APPENDIX 3
LABORATORY RESULTS

CONCEPT LIFE SCIENCES
DELIVERING SCIENCE

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Concept Life Sciences

Certificate of Analysis

Hadfield House
Hadfield Street
Cornbrook
Manchester
M16 9FE
Tel : 0161 874 2400
Fax : 0161 874 2468

Report Number: 745484-1

Date of Report: 27-Jun-2018

Customer: Sirius Environmental
Office Suite 2
The Beacon Centre for Enterprise
Dafen
Llanelli
SA14 8LQ

Customer Contact: Mr Michael Knott

Customer Job Reference: WR7449
Customer Purchase Order: 1722/WR7449/M Knott
Customer Site Reference: Pen-y-bont
Date Job Received at Concept: 19-Jun-2018
Date Analysis Started: 19-Jun-2018
Date Analysis Completed: 27-Jun-2018

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

This report should not be reproduced except in full without the written approval of the laboratory

Tests covered by this certificate were conducted in accordance with Concept Life Sciences SOPs

All results have been reviewed in accordance with Section 25 of the Concept Life Sciences, Analytical Services Quality Manual

UKAS TESTING
1549

mCERTS
THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Report checked
and authorised by :
Alam Noor
Customer Service Advisor

Issued by :
Aneta Dybek-Echtermeyer
Customer Service Advisor

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
MCERTS Preparation

				Concept Reference	**745484 002**	**745484 004**	**745484 006**	**745484 008**	**745484 010**
				Customer Sample Reference	**TP1 D4-D6**	**TP2 D4-D6**	**TP3 D4-D6**	**TP4 D4-D6**	**TP5 D4-D6**
				Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
				Bottom Depth	**2.5**	**2.5**	**3.0**	**3.0**	**3.0**
				Top Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Moisture @105C	T162	AR	0.1	%	**7.2**	**11**	**15**	**9.8**	**12**
Retained on 10mm sieve	T2	M40	0.1	%	<0.1	<0.1	<0.1	<0.1	<0.1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
MCERTS Preparation

				Concept Reference	**745484 012**	**745484 014**	**745484 016**	**745484 017**	**745484 018**
				Customer Sample Reference	**TP6 D4-D6**	**TP7 D4-D6**	**TP8 D4-D6**	**TP9 D1-D3**	**TP10 D1-D3**
				Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Bottom Depth	**3.0**	**3.0**	**3.5**	**3.6**	**3.3**
				Top Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Moisture @105C	T162	AR	0.1	%	**7.4**	**7.2**	**9.4**	**7.7**	**16**
Retained on 10mm sieve	T2	M40	0.1	%	<0.1	<0.1	<0.1	<0.1	<0.1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
MCERTS Preparation

				Concept Reference	**745484 019**	**745484 020**	**745484 021**	**745484 022**	**745484 023**
				Customer Sample Reference	**TP11 D1-D3**	**TP12D1-D3**	**TP13 D1-D3**	**BH1 D1-D3**	**BH1 D4-D6**
				Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Bottom Depth	**3.0**	**3.0**	**0.3**		
				Top Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Moisture @105C	T162	AR	0.1	%	**12**	**9.2**	**16**	**7.5**	**16**
Retained on 10mm sieve	T2	M40	0.1	%	<0.1	<0.1	<0.1	<0.1	<0.1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
MCERTS Preparation

				Concept Reference	**745484 024**	**745484 025**	**745484 026**	**745484 027**	**745484 028**
				Customer Sample Reference	**BH2 D1-D3**	**BH2 D4-D6**	**BH3 D1-D3**	**BH3 D4-D6**	**BH4 D1-D3**
				Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Moisture @105C	T162	AR	0.1	%	**6.5**	**11**	**4.2**	**11**	**38**
Retained on 10mm sieve	T2	M40	0.1	%	<0.1	<0.1	<0.1	<0.1	<0.1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
MCERTS Preparation

				Concept Reference	**745484 029**	**745484 030**	**745484 031**	**745484 032**	**745484 033**
				Customer Sample Reference	**BH4 D4-D6**	**BH5 D1-D3**	**BH5 D4-D6**	**BH7 D1-D3**	**BH7 D4-D6**
				Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Moisture @105C	T162	AR	0.1	%	**13**	**11**	**21**	**27**	**7.6**
Retained on 10mm sieve	T2	M40	0.1	%	<0.1	<0.1	<0.1	<0.1	<0.1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
MCERTS Preparation

				Concept Reference	**745484 034**	**745484 035**	**745484 036**	**745484 037**	**745484 038**
				Customer Sample Reference	**BH7 D7-D9**	**BH7 D10-D12**	**BH8 D1-D3**	**BH8 D4-D6**	**BH9 D1-D3**
				Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Moisture @105C	T162	AR	0.1	%	**8.4**	**8.1**	**5.0**	**13**	**6.6**
Retained on 10mm sieve	T2	M40	0.1	%	<0.1	<0.1	<0.1	<0.1	<0.1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
MCERTS Preparation

Concept Reference				**745484 040**	**745484 041**	**745484 043**	**745484 044**	**745484 046**
Customer Sample Reference				**BH9 D7-D9**	**BH10 D1-D3**	**BH10 D7-D9**	**BH11 D1-D3**	**BH11 D7-D9**
Depth				**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
Bottom Depth								
Top Depth				**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
Date Sampled				**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class				**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Moisture @105C	T162	AR	0.1	%	**11**	**5.2**	**15**	**6.1**	**15**
Retained on 10mm sieve	T2	M40	0.1	%	<0.1	<0.1	<0.1	<0.1	<0.1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
MCERTS Preparation

Concept Reference				**745484 047**	**745484 049**
Customer Sample Reference				**BH12 D1-D3**	**BH12 D7-D9**
Depth				**1.0**	**5.0**
Bottom Depth					
Top Depth				**1.0**	**5.0**
Date Sampled				**14-JUN-2018**	**14-JUN-2018**
Matrix Class				**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
Moisture @105C	T162	AR	0.1	%	**12**	**19**
Retained on 10mm sieve	T2	M40	0.1	%	<0.1	<0.1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 2

Concept Reference				**745484 002**	**745484 004**	**745484 006**	**745484 008**	**745484 010**
Customer Sample Reference				**TP1 D4-D6**	**TP2 D4-D6**	**TP3 D4-D6**	**TP4 D4-D6**	**TP5 D4-D6**
Depth				**1**	**1**	**1.5**	**1.5**	**1.5**
Bottom Depth				**2.5**	**2.5**	**3.0**	**3.0**	**3.0**
Top Depth				**1**	**1**	**1.5**	**1.5**	**1.5**
Date Sampled				**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class				**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Arsenic	T6	M40	2	mg/kg	**19**	**16**	**15**	**14**	**17**
Barium	T6	A40	1	mg/kg	**92**	**140**	**210**	**170**	**180**
Cadmium	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Chromium	T6	M40	1	mg/kg	**11**	**19**	**15**	**18**	**13**
Copper	T6	M40	1	mg/kg	**97**	**51**	**40**	**49**	**66**
Mercury	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Molybdenum	T6	M40	2	mg/kg	**3**	**3**	**3**	**3**	**3**
Nickel	T6	M40	1	mg/kg	**33**	**32**	**27**	**29**	**29**
Lead	T6	M40	1	mg/kg	**55**	**43**	**32**	**35**	**62**
Antimony	T6	A40	1	mg/kg	**2**	**2**	**2**	**2**	**2**
Selenium	T6	M40	3	mg/kg	<3	<3	<3	<3	<3
Zinc	T6	M40	1	mg/kg	**150**	**51**	**46**	**48**	**120**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 2

				Concept Reference	**745484 012**	**745484 014**	**745484 016**	**745484 017**	**745484 018**
				Customer Sample Reference	**TP6 D4-D6**	**TP7 D4-D6**	**TP8 D4-D6**	**TP9 D1-D3**	**TP10 D1-D3**
				Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Bottom Depth	**3.0**	**3.0**	**3.5**	**3.6**	**3.3**
				Top Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Arsenic	T6	M40	2	mg/kg	**120**	**13**	**28**	**18**	**19**
Barium	T6	A40	1	mg/kg	**140**	**190**	**120**	**130**	**190**
Cadmium	T6	M40	1	mg/kg	**4**	<1	<1	<1	<1
Chromium	T6	M40	1	mg/kg	**8**	**6**	**14**	**8**	**20**
Copper	T6	M40	1	mg/kg	**66**	**58**	**77**	**49**	**53**
Mercury	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Molybdenum	T6	M40	2	mg/kg	**4**	<2	**3**	<2	**3**
Nickel	T6	M40	1	mg/kg	**45**	**25**	**31**	**29**	**33**
Lead	T6	M40	1	mg/kg	**98**	**34**	**58**	**58**	**74**
Antimony	T6	A40	1	mg/kg	**4**	**1**	**2**	**2**	**2**
Selenium	T6	M40	3	mg/kg	**5**	<3	<3	<3	<3
Zinc	T6	M40	1	mg/kg	**260**	**28**	**47**	**57**	**100**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 2

				Concept Reference	**745484 019**	**745484 020**	**745484 021**	**745484 022**	**745484 023**
				Customer Sample Reference	**TP11 D1-D3**	**TP12D1-D3**	**TP13 D1-D3**	**BH1 D1-D3**	**BH1 D4-D6**
				Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Bottom Depth	**3.0**	**3.0**	**0.3**		
				Top Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Arsenic	T6	M40	2	mg/kg	**12**	**17**	**11**	**11**	**10**
Barium	T6	A40	1	mg/kg	**150**	**130**	**140**	**110**	**420**
Cadmium	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Chromium	T6	M40	1	mg/kg	**21**	**9**	**30**	**9**	**45**
Copper	T6	M40	1	mg/kg	**44**	**64**	**32**	**44**	**28**
Mercury	T6	M40	1	mg/kg	**1**	<1	<1	<1	<1
Molybdenum	T6	M40	2	mg/kg	**2**	**2**	<2	<2	**3**
Nickel	T6	M40	1	mg/kg	**24**	**36**	**32**	**29**	**26**
Lead	T6	M40	1	mg/kg	**180**	**75**	**70**	**45**	**23**
Antimony	T6	A40	1	mg/kg	**3**	**1**	**2**	**1**	**2**
Selenium	T6	M40	3	mg/kg	<3	<3	<3	<3	<3
Zinc	T6	M40	1	mg/kg	**140**	**44**	**120**	**87**	**45**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 2

				Concept Reference	**745484 024**	**745484 025**	**745484 026**	**745484 027**	**745484 028**
				Customer Sample Reference	**BH2 D1-D3**	**BH2 D4-D6**	**BH3 D1-D3**	**BH3 D4-D6**	**BH4 D1-D3**
				Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Arsenic	T6	M40	2	mg/kg	**14**	**12**	**16**	**9**	**17**
Barium	T6	A40	1	mg/kg	**140**	**190**	**300**	**150**	**83**
Cadmium	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Chromium	T6	M40	1	mg/kg	**10**	**36**	**10**	**23**	**10**
Copper	T6	M40	1	mg/kg	**37**	**23**	**47**	**77**	**39**
Mercury	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Molybdenum	T6	M40	2	mg/kg	<2	**3**	**2**	<2	<2
Nickel	T6	M40	1	mg/kg	**24**	**26**	**34**	**29**	**26**
Lead	T6	M40	1	mg/kg	**33**	**23**	**45**	**22**	**53**
Antimony	T6	A40	1	mg/kg	<1	**3**	**1**	**2**	**1**
Selenium	T6	M40	3	mg/kg	<3	<3	<3	<3	<3
Zinc	T6	M40	1	mg/kg	**89**	**51**	**86**	**58**	**65**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 2

				Concept Reference	**745484 029**	**745484 030**	**745484 031**	**745484 032**	**745484 033**
				Customer Sample Reference	**BH4 D4-D6**	**BH5 D1-D3**	**BH5 D4-D6**	**BH7 D1-D3**	**BH7 D4-D6**
				Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Arsenic	T6	M40	2	mg/kg	**8**	**28**	**13**	**23**	**8**
Barium	T6	A40	1	mg/kg	**160**	**180**	**170**	**700**	**110**
Cadmium	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Chromium	T6	M40	1	mg/kg	**26**	**9**	**20**	**27**	**48**
Copper	T6	M40	1	mg/kg	**24**	**38**	**44**	**160**	**29**
Mercury	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Molybdenum	T6	M40	2	mg/kg	<2	<2	**4**	**9**	<2
Nickel	T6	M40	1	mg/kg	**28**	**26**	**32**	**72**	**22**
Lead	T6	M40	1	mg/kg	**26**	**35**	**35**	**120**	**14**
Antimony	T6	A40	1	mg/kg	**2**	**1**	**2**	**5**	**2**
Selenium	T6	M40	3	mg/kg	<3	<3	<3	<3	<3
Zinc	T6	M40	1	mg/kg	**65**	**91**	**89**	**190**	**33**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 2

				Concept Reference	**745484 034**	**745484 035**	**745484 036**	**745484 037**	**745484 038**
				Customer Sample Reference	**BH7 D7-D9**	**BH7 D10-D12**	**BH8 D1-D3**	**BH8 D4-D6**	**BH9 D1-D3**
				Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Arsenic	T6	M40	2	mg/kg	**91**	**8**	**16**	**11**	**14**
Barium	T6	A40	1	mg/kg		**280**	**230**	**140**	**190**
Cadmium	T6	M40	1	mg/kg	<1	<1	**2**	<1	<1
Chromium	T6	M40	1	mg/kg	**26**	**30**	**10**	**25**	**9**
Copper	T6	M40	1	mg/kg	**38**	**440**	**57**	**32**	**36**
Mercury	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Molybdenum	T6	M40	2	mg/kg	**9**	<2	<2	<2	<2
Nickel	T6	M40	1	mg/kg	**17**	**29**	**29**	**31**	**23**
Lead	T6	M40	1	mg/kg	**6**	**6**	**39**	**29**	**38**
Antimony	T6	A40	1	mg/kg	**1**	**2**	**1**	**1**	**1**
Selenium	T6	M40	3	mg/kg	<3	<3	<3	<3	<3
Zinc	T6	M40	1	mg/kg	**41**	**29**	**290**	**57**	**110**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 2

				Concept Reference	**745484 040**	**745484 041**	**745484 043**	**745484 044**	**745484 046**
				Customer Sample Reference	**BH9 D7-D9**	**BH10 D1-D3**	**BH10 D7-D9**	**BH11 D1-D3**	**BH11 D7-D9**
				Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Arsenic	T6	M40	2	mg/kg	**11**	**39**	**30**	**10**	**8**
Barium	T6	A40	1	mg/kg	**240**	**170**	**130**	**230**	**220**
Cadmium	T6	M40	1	mg/kg	<1	**1**	<1	<1	<1
Chromium	T6	M40	1	mg/kg	**42**	**7**	**27**	**11**	**28**
Copper	T6	M40	1	mg/kg	**20**	**50**	**39**	**48**	**32**
Mercury	T6	M40	1	mg/kg	<1	<1	<1	<1	<1
Molybdenum	T6	M40	2	mg/kg	**2**	<2	**2**	<2	<2
Nickel	T6	M40	1	mg/kg	**26**	**27**	**36**	**34**	**35**
Lead	T6	M40	1	mg/kg	**21**	**48**	**53**	**35**	**28**
Antimony	T6	A40	1	mg/kg	**3**	**2**	**3**	**2**	**2**
Selenium	T6	M40	3	mg/kg	<3	<3	<3	<3	<3
Zinc	T6	M40	1	mg/kg	**74**	**90**	**80**	**53**	**69**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 2

Concept Reference	**745484 047**	**745484 049**
Customer Sample Reference	**BH12 D1-D3**	**BH12 D7-D9**
Depth	**1.0**	**5.0**
Bottom Depth		
Top Depth	**1.0**	**5.0**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units		
Arsenic	T6	M40	2	mg/kg	**33**	**30**
Barium	T6	A40	1	mg/kg	**280**	**290**
Cadmium	T6	M40	1	mg/kg	<1	<1
Chromium	T6	M40	1	mg/kg	**24**	**22**
Copper	T6	M40	1	mg/kg	**49**	**140**
Mercury	T6	M40	1	mg/kg	<1	<1
Molybdenum	T6	M40	2	mg/kg	**5**	**11**
Nickel	T6	M40	1	mg/kg	**46**	**52**
Lead	T6	M40	1	mg/kg	**100**	**55**
Antimony	T6	A40	1	mg/kg	**3**	**3**
Selenium	T6	M40	3	mg/kg	<3	<3
Zinc	T6	M40	1	mg/kg	**120**	**90**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 1

Concept Reference	**745484 002**	**745484 004**	**745484 006**	**745484 008**	**745484 010**
Customer Sample Reference	**TP1 D4-D6**	**TP2 D4-D6**	**TP3 D4-D6**	**TP4 D4-D6**	**TP5 D4-D6**
Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
Bottom Depth	**2.5**	**2.5**	**3.0**	**3.0**	**3.0**
Top Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
pH	T7	A40			**6.7**	**7.7**	**7.2**	**7.5**	**6.9**
Electrical Conductivity	T7	A40	10	µS/cm	**2700**	**2300**	**2600**	**2300**	**2200**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 1

Concept Reference	**745484 012**	**745484 014**	**745484 016**	**745484 017**	**745484 018**
Customer Sample Reference	**TP6 D4-D6**	**TP7 D4-D6**	**TP8 D4-D6**	**TP9 D1-D3**	**TP10 D1-D3**
Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
Bottom Depth	**3.0**	**3.0**	**3.5**	**3.6**	**3.3**
Top Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
pH	T7	A40			**7.6**	**7.8**	<4.0	**9.1**	**6.9**
Electrical Conductivity	T7	A40	10	µS/cm	**2100**	**2300**	**2600**	**2300**	**2700**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 1

				Concept Reference	**745484 019**	**745484 020**	**745484 021**	**745484 022**	**745484 023**
				Customer Sample Reference	**TP11 D1-D3**	**TP12D1-D3**	**TP13 D1-D3**	**BH1 D1-D3**	**BH1 D4-D6**
				Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Bottom Depth	**3.0**	**3.0**	**0.3**		
				Top Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
pH	T7	A40			**8.1**	**6.2**	**7.4**	**8.3**	**8.4**
Electrical Conductivity	T7	A40	10	µS/cm	**1400**	**2300**	**1500**	**1100**	**1300**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 1

				Concept Reference	**745484 024**	**745484 025**	**745484 026**	**745484 027**	**745484 028**
				Customer Sample Reference	**BH2 D1-D3**	**BH2 D4-D6**	**BH3 D1-D3**	**BH3 D4-D6**	**BH4 D1-D3**
				Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
pH	T7	A40			**9.0**	**7.5**	**7.8**	**7.9**	**7.7**
Electrical Conductivity	T7	A40	10	µS/cm	**2200**	**2200**	**1700**	**2000**	**1900**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 1

				Concept Reference	**745484 029**	**745484 030**	**745484 031**	**745484 032**	**745484 033**
				Customer Sample Reference	**BH4 D4-D6**	**BH5 D1-D3**	**BH5 D4-D6**	**BH7 D1-D3**	**BH7 D4-D6**
				Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
pH	T7	A40			**6.9**	**8.6**	**7.2**	**7.6**	**7.3**
Electrical Conductivity	T7	A40	10	µS/cm	**2300**	**1600**	**2200**	**2400**	**2000**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 1

				Concept Reference	**745484 034**	**745484 035**	**745484 036**	**745484 037**	**745484 038**
				Customer Sample Reference	**BH7 D7-D9**	**BH7 D10-D12**	**BH8 D1-D3**	**BH8 D4-D6**	**BH9 D1-D3**
				Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
pH	T7	A40			**7.8**	**7.9**	**8.6**	**7.2**	**8.3**
Electrical Conductivity	T7	A40	10	µS/cm	**1700**	**2500**	**2200**	**2100**	**1900**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 1

				Concept Reference	**745484 040**	**745484 041**	**745484 043**	**745484 044**	**745484 046**
				Customer Sample Reference	**BH9 D7-D9**	**BH10 D1-D3**	**BH10 D7-D9**	**BH11 D1-D3**	**BH11 D7-D9**
				Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
pH	T7	A40			**7.4**	**9.4**	**7.7**	**7.4**	**7.6**
Electrical Conductivity	T7	A40	10	µS/cm	**2200**	**1900**	**1600**	**2000**	**2100**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 1

				Concept Reference	**745484 047**	**745484 049**
				Customer Sample Reference	**BH12 D1-D3**	**BH12 D7-D9**
				Depth	**1.0**	**5.0**
				Bottom Depth		
				Top Depth	**1.0**	**5.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
pH	T7	A40			**7.4**	**7.5**
Electrical Conductivity	T7	A40	10	µS/cm	**1200**	**1100**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 3

				Concept Reference	**745484 002**	**745484 004**	**745484 006**	**745484 008**	**745484 010**
				Customer Sample Reference	**TP1 D4-D6**	**TP2 D4-D6**	**TP3 D4-D6**	**TP4 D4-D6**	**TP5 D4-D6**
				Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
				Bottom Depth	**2.5**	**2.5**	**3.0**	**3.0**	**3.0**
				Top Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	**17**	**16**	**16**	**33**	**43**
Chloride	T686	AR	1	mg/kg	**8**	**9**	**71**	**18**	**15**
Fluoride	T686	A40	1	mg/kg	<1	<1	<1	<1	<1
SO4(Total)	T102	A40	0.01	%	**0.68**	**0.69**	**0.40**	**0.39**	**0.57**
Cyanide(Total)	T546	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 3

				Concept Reference	**745484 012**	**745484 014**	**745484 016**	**745484 017**	**745484 018**
				Customer Sample Reference	**TP6 D4-D6**	**TP7 D4-D6**	**TP8 D4-D6**	**TP9 D1-D3**	**TP10 D1-D3**
				Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Bottom Depth	**3.0**	**3.0**	**3.5**	**3.6**	**3.3**
				Top Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	**13**	<0.5	**20**	**40**	**26**
Chloride	T686	AR	1	mg/kg	**8**	**12**	<1	**15**	**5**
Fluoride	T686	A40	1	mg/kg	<1	<1	<1	<1	<1
SO4(Total)	T102	A40	0.01	%	**1.5**	**0.22**	**1.7**	**0.17**	**0.71**
Cyanide(Total)	T546	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 3

				Concept Reference	**745484 019**	**745484 020**	**745484 021**	**745484 022**	**745484 023**
				Customer Sample Reference	**TP11 D1-D3**	**TP12D1-D3**	**TP13 D1-D3**	**BH1 D1-D3**	**BH1 D4-D6**
				Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Bottom Depth	**3.0**	**3.0**	**0.3**		
				Top Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	**14**	**18**	**13**	**32**	**13**
Chloride	T686	AR	1	mg/kg	**5**	**2**	**3**	**4**	**7**
Fluoride	T686	A40	1	mg/kg	<1	<1	<1	<1	<1
SO4(Total)	T102	A40	0.01	%	**0.11**	**0.92**	**0.09**	**0.07**	**0.05**
Cyanide(Total)	T546	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
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Soil Analysed as Soil
Suite 3

Concept Reference					**745484 024**	**745484 025**	**745484 026**	**745484 027**	**745484 028**
Customer Sample Reference					**BH2 D1-D3**	**BH2 D4-D6**	**BH3 D1-D3**	**BH3 D4-D6**	**BH4 D1-D3**
Depth					**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
Bottom Depth									
Top Depth					**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
Date Sampled					**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
Matrix Class					**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	**49**	**38**	<0.5	**17**	**10**
Chloride	T686	AR	1	mg/kg	**2**	**17**	**2**	**15**	**2**
Fluoride	T686	A40	1	mg/kg	<1	<1	<1	<1	<1
SO4(Total)	T102	A40	0.01	%	**0.08**	**0.05**	**0.05**	**0.04**	**8.8**
Cyanide(Total)	T546	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 3

Concept Reference					**745484 029**	**745484 030**	**745484 031**	**745484 032**	**745484 033**
Customer Sample Reference					**BH4 D4-D6**	**BH5 D1-D3**	**BH5 D4-D6**	**BH7 D1-D3**	**BH7 D4-D6**
Depth					**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
Bottom Depth									
Top Depth					**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
Date Sampled					**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
Matrix Class					**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	**15**	**190**	**13**	**9.0**	**12**
Chloride	T686	AR	1	mg/kg	**8**	**4**	**41**	**3**	**4**
Fluoride	T686	A40	1	mg/kg	<1	<1	<1	<1	<1
SO4(Total)	T102	A40	0.01	%	**0.05**	**0.14**	**0.20**	**0.24**	<0.01
Cyanide(Total)	T546	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
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Soil Analysed as Soil
Suite 3

Concept Reference					**745484 034**	**745484 035**	**745484 036**	**745484 037**	**745484 038**
Customer Sample Reference					**BH7 D7-D9**	**BH7 D10-D12**	**BH8 D1-D3**	**BH8 D4-D6**	**BH9 D1-D3**
Depth					**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
Bottom Depth									
Top Depth					**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
Date Sampled					**13-JUN-2018**	**13-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class					**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	**13**	**19**	**42**	**13**	**43**
Chloride	T686	AR	1	mg/kg	**9**	**8**	**2**	**13**	**5**
Fluoride	T686	A40	1	mg/kg	<1	<1	<1	<1	<1
SO4(Total)	T102	A40	0.01	%	**0.12**	**0.13**	**0.09**	**0.05**	**0.09**
Cyanide(Total)	T546	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 3

				Concept Reference	**745484 040**	**745484 041**	**745484 043**	**745484 044**	**745484 046**
				Customer Sample Reference	**BH9 D7-D9**	**BH10 D1-D3**	**BH10 D7-D9**	**BH11 D1-D3**	**BH11 D7-D9**
				Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	**10**	**44**	**16**	**15**	**66**
Chloride	T686	AR	1	mg/kg	**61**	**6**	**11**	**5**	**10**
Fluoride	T686	A40	1	mg/kg	<1	<1	<1	<1	<1
SO4(Total)	T102	A40	0.01	%	**0.04**	**0.06**	**0.03**	**0.06**	**0.09**
Cyanide(Total)	T546	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 3

				Concept Reference	**745484 047**	**745484 049**
				Customer Sample Reference	**BH12 D1-D3**	**BH12 D7-D9**
				Depth	**1.0**	**5.0**
				Bottom Depth		
				Top Depth	**1.0**	**5.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	**12**	**9.5**
Chloride	T686	AR	1	mg/kg	**4**	**36**
Fluoride	T686	A40	1	mg/kg	<1	<1
SO4(Total)	T102	A40	0.01	%	**1.5**	**0.40**
Cyanide(Total)	T546	AR	1	mg/kg	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 4

				Concept Reference	**745484 002**	**745484 004**	**745484 006**	**745484 008**	**745484 010**
				Customer Sample Reference	**TP1 D4-D6**	**TP2 D4-D6**	**TP3 D4-D6**	**TP4 D4-D6**	**TP5 D4-D6**
				Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
				Bottom Depth	**2.5**	**2.5**	**3.0**	**3.0**	**3.0**
				Top Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Total Organic Carbon	T21	A40	0.1	%	**13**	**9.2**	**14**	**23**	**14**
Phenols(Mono)	T921	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 4

				Concept Reference	**745484 012**	**745484 014**	**745484 016**	**745484 017**	**745484 018**
				Customer Sample Reference	**TP6 D4-D6**	**TP7 D4-D6**	**TP8 D4-D6**	**TP9 D1-D3**	**TP10 D1-D3**
				Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Bottom Depth	**3.0**	**3.0**	**3.5**	**3.6**	**3.3**
				Top Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Total Organic Carbon	T21	A40	0.1	%	**34**	**12**	**8.3**	**14**	**7.3**
Phenols(Mono)	T921	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 4

				Concept Reference	**745484 019**	**745484 020**	**745484 021**	**745484 022**	**745484 023**
				Customer Sample Reference	**TP11 D1-D3**	**TP12D1-D3**	**TP13 D1-D3**	**BH1 D1-D3**	**BH1 D4-D6**
				Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Bottom Depth	**3.0**	**3.0**	**0.3**		
				Top Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Total Organic Carbon	T21	A40	0.1	%	**2.0**	**11**	**3.5**	**22**	**0.5**
Phenols(Mono)	T921	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 4

				Concept Reference	**745484 024**	**745484 025**	**745484 026**	**745484 027**	**745484 028**
				Customer Sample Reference	**BH2 D1-D3**	**BH2 D4-D6**	**BH3 D1-D3**	**BH3 D4-D6**	**BH4 D1-D3**
				Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Total Organic Carbon	T21	A40	0.1	%	**21**	**0.4**	**25**	**1.0**	**9.7**
Phenols(Mono)	T921	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 4

				Concept Reference	**745484 029**	**745484 030**	**745484 031**	**745484 032**	**745484 033**
				Customer Sample Reference	**BH4 D4-D6**	**BH5 D1-D3**	**BH5 D4-D6**	**BH7 D1-D3**	**BH7 D4-D6**
				Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Total Organic Carbon	T21	A40	0.1	%	**0.6**	**19**	**8.5**	**14**	**0.2**
Phenols(Mono)	T921	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 4

				Concept Reference	**745484 034**	**745484 035**	**745484 036**	**745484 037**	**745484 038**
				Customer Sample Reference	**BH7 D7-D9**	**BH7 D10-D12**	**BH8 D1-D3**	**BH8 D4-D6**	**BH9 D1-D3**
				Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Total Organic Carbon	T21	A40	0.1	%	<0.1	**0.4**	**24**	**0.9**	**23**
Phenols(Mono)	T921	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 4

				Concept Reference	**745484 040**	**745484 041**	**745484 043**	**745484 044**	**745484 046**
				Customer Sample Reference	**BH9 D7-D9**	**BH10 D1-D3**	**BH10 D7-D9**	**BH11 D1-D3**	**BH11 D7-D9**
				Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Total Organic Carbon	T21	A40	0.1	%	**0.5**	**25**	**0.3**	**19**	**1.0**
Phenols(Mono)	T921	AR	1	mg/kg	<1	<1	<1	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
Suite 4

Concept Reference	**745484 047**	**745484 049**
Customer Sample Reference	**BH12 D1-D3**	**BH12 D7-D9**
Depth	**1.0**	**5.0**
Bottom Depth		
Top Depth	**1.0**	**5.0**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units		
Total Organic Carbon	T21	A40	0.1	%	**3.3**	**14**
Phenols(Mono)	T921	AR	1	mg/kg	<1	<1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
PAH USEPA16 plus Coronene

Concept Reference	**745484 002**	**745484 004**	**745484 006**	**745484 008**	**745484 010**
Customer Sample Reference	**TP1 D4-D6**	**TP2 D4-D6**	**TP3 D4-D6**	**TP4 D4-D6**	**TP5 D4-D6**
Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
Bottom Depth	**2.5**	**2.5**	**3.0**	**3.0**	**3.0**
Top Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T207	M105	0.1	mg/kg	**0.5**	**0.8**	**0.9**	**1.0**	**0.5**
Acenaphthylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	T207	M105	0.1	mg/kg	<0.1	<0.1	**0.2**	<0.1	<0.1
Phenanthrene	T207	M105	0.1	mg/kg	**0.3**	**0.3**	**0.7**	**0.3**	**0.3**
Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
PAH (Sum)	T85	M105	1.6	mg/kg	<1.6	<1.6	**1.8**	<1.6	<1.6

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
PAH USEPA16 plus Coronene

Concept Reference	**745484 012**	**745484 014**	**745484 016**	**745484 017**	**745484 018**
Customer Sample Reference	**TP6 D4-D6**	**TP7 D4-D6**	**TP8 D4-D6**	**TP9 D1-D3**	**TP10 D1-D3**
Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
Bottom Depth	**3.0**	**3.0**	**3.5**	**3.6**	**3.3**
Top Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T207	M105	0.1	mg/kg	**1.6**	**1.2**	**0.5**	<0.1	**0.3**
Acenaphthylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	T207	M105	0.1	mg/kg	**0.9**	**0.5**	**0.2**	**0.3**	**3.2**
Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.3**
Fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**1.9**
Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**1.4**
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	**0.1**	<0.1	<0.1	<0.1	**0.7**
Chrysene	T207	M105	0.1	mg/kg	**0.1**	<0.1	<0.1	<0.1	**0.8**
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.6**
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.6**
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.5**
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.3**
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.1**
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.3**
Coronene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
PAH (Sum)	T85	M105	1.6	mg/kg	**2.7**	**1.7**	<1.6	<1.6	**11**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
PAH USEPA16 plus Coronene

Concept Reference	**745484 019**	**745484 020**	**745484 021**	**745484 022**	**745484 023**
Customer Sample Reference	**TP11 D1-D3**	**TP12D1-D3**	**TP13 D1-D3**	**BH1 D1-D3**	**BH1 D4-D6**
Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
Bottom Depth	**3.0**	**3.0**	**0.3**		
Top Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T207	M105	0.1	mg/kg	<0.1	**0.6**	**0.1**	**1.3**	<0.1
Acenaphthylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	T207	M105	0.1	mg/kg	**0.5**	**0.2**	<0.1	**0.6**	<0.1
Anthracene	T207	M105	0.1	mg/kg	**0.1**	<0.1	<0.1	<0.1	<0.1
Fluoranthene	T207	M105	0.1	mg/kg	**1.0**	<0.1	<0.1	<0.1	<0.1
Pyrene	T207	M105	0.1	mg/kg	**0.9**	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	**0.4**	<0.1	<0.1	<0.1	<0.1
Chrysene	T207	M105	0.1	mg/kg	**0.4**	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	**0.5**	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	**0.4**	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	**0.5**	<0.1	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	**0.2**	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	**0.3**	<0.1	<0.1	<0.1	<0.1
Coronene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
PAH (Sum)	T85	M105	1.6	mg/kg	**5.2**	<1.6	<1.6	**1.8**	<1.6

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
PAH USEPA16 plus Coronene

Concept Reference	**745484 024**	**745484 025**	**745484 026**	**745484 027**	**745484 028**
Customer Sample Reference	**BH2 D1-D3**	**BH2 D4-D6**	**BH3 D1-D3**	**BH3 D4-D6**	**BH4 D1-D3**
Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
Bottom Depth					
Top Depth	**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T207	M105	0.1	mg/kg	**1.0**	<0.1	**0.9**	<0.1	<0.1
Acenaphthylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	T207	M105	0.1	mg/kg	**0.4**	<0.1	**0.5**	<0.1	**0.2**
Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.2**
Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.2**
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
PAH (Sum)	T85	M105	1.6	mg/kg	<1.6	<1.6	<1.6	<1.6	<1.6

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
PAH USEPA16 plus Coronene

Concept Reference	**745484 029**	**745484 030**	**745484 031**	**745484 032**	**745484 033**
Customer Sample Reference	**BH4 D4-D6**	**BH5 D1-D3**	**BH5 D4-D6**	**BH7 D1-D3**	**BH7 D4-D6**
Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
Bottom Depth					
Top Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T207	M105	0.1	mg/kg	<0.1	**0.9**	**0.1**	<0.1	<0.1
Acenaphthylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	T207	M105	0.1	mg/kg	<0.1	**0.5**	<0.1	<0.1	<0.1
Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	**0.1**	<0.1
Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	**0.1**	<0.1	<0.1
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
PAH (Sum)	T85	M105	1.6	mg/kg	<1.6	<1.6	<1.6	<1.6	<1.6

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
PAH USEPA16 plus Coronene

Concept Reference	**745484 034**	**745484 035**	**745484 036**	**745484 037**	**745484 038**
Customer Sample Reference	**BH7 D7-D9**	**BH7 D10-D12**	**BH8 D1-D3**	**BH8 D4-D6**	**BH9 D1-D3**
Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
Bottom Depth					
Top Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T207	M105	0.1	mg/kg	<0.1	<0.1	**0.7**	<0.1	**0.8**
Acenaphthylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	**0.1**
Phenanthrene	T207	M105	0.1	mg/kg	**0.1**	<0.1	**0.3**	<0.1	**0.4**
Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	**0.2**	<0.1	<0.1
Fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
PAH (Sum)	T85	M105	1.6	mg/kg	<1.6	<1.6	<1.6	<1.6	<1.6

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
PAH USEPA16 plus Coronene

Concept Reference	**745484 040**	**745484 041**	**745484 043**	**745484 044**	**745484 046**
Customer Sample Reference	**BH9 D7-D9**	**BH10 D1-D3**	**BH10 D7-D9**	**BH11 D1-D3**	**BH11 D7-D9**
Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
Bottom Depth					
Top Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T207	M105	0.1	mg/kg	**0.1**	**1.9**	<0.1	**0.9**	<0.1
Acenaphthylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T207	M105	0.1	mg/kg	**0.8**	<0.1	<0.1	<0.1	<0.1
Fluorene	T207	M105	0.1	mg/kg	**1.2**	**0.1**	<0.1	<0.1	<0.1
Phenanthrene	T207	M105	0.1	mg/kg	<0.1	**0.6**	<0.1	**0.3**	<0.1
Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	T207	M105	0.1	mg/kg	**0.3**	<0.1	<0.1	<0.1	<0.1
Pyrene	T207	M105	0.1	mg/kg	**0.7**	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	**0.1**	<0.1	<0.1	<0.1	<0.1
Chrysene	T207	M105	0.1	mg/kg	**0.2**	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	T207	M105	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
PAH (Sum)	T85	M105	1.6	mg/kg	**3.5**	**2.6**	<1.6	<1.6	<1.6

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
PAH USEPA16 plus Coronene

Concept Reference	**745484 047**	**745484 049**
Customer Sample Reference	**BH12 D1-D3**	**BH12 D7-D9**
Depth	**1.0**	**5.0**
Bottom Depth		
Top Depth	**1.0**	**5.0**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units		
Naphthalene	T207	M105	0.1	mg/kg	<0.1	**0.6**
Acenaphthylene	T207	M105	0.1	mg/kg	<0.1	<0.1
Acenaphthene	T207	M105	0.1	mg/kg	<0.1	<0.1
Fluorene	T207	M105	0.1	mg/kg	<0.1	<0.1
Phenanthrene	T207	M105	0.1	mg/kg	<0.1	**1.3**
Anthracene	T207	M105	0.1	mg/kg	<0.1	**0.2**
Fluoranthene	T207	M105	0.1	mg/kg	<0.1	**1.3**
Pyrene	T207	M105	0.1	mg/kg	<0.1	**1.2**
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	<0.1	**0.7**
Chrysene	T207	M105	0.1	mg/kg	<0.1	**0.7**
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	<0.1	**1.2**
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	<0.1	**1.0**
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	<0.1	**0.5**
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	<0.1	**0.2**
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	<0.1	<0.1
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	<0.1	<0.1
Coronene	T207	M105	0.1	mg/kg	<0.1	<0.1
PAH (Sum)	T85	M105	1.6	mg/kg	<1.6	**8.8**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
TPH (CWG) with MTBE, BTEX

				Concept Reference	**745484 002**	**745484 004**	**745484 006**	**745484 008**	**745484 010**
				Customer Sample Reference	**TP1 D4-D6**	**TP2 D4-D6**	**TP3 D4-D6**	**TP4 D4-D6**	**TP5 D4-D6**
				Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
				Bottom Depth	**2.5**	**2.5**	**3.0**	**3.0**	**3.0**
				Top Depth	**1**	**1**	**1.5**	**1.5**	**1.5**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzene	T209	M105	10	µg/kg	(13,110) <20	(13,110,100) <40	(100,110,13) <60	(100,13,110) <40	(13,100) <20
Toluene	T209	M105	10	µg/kg	(110) <20	(100,110) <40	(100,110) <60	(110,100) <40	(100) <20
EthylBenzene	T209	M105	10	µg/kg	(110) <20	(110,100) <40	(110,100) <60	(100,110) <40	(100) <20
M/P Xylene	T209	M105	10	µg/kg	(110) <20	(100,110) <40	(110,100) <60	(110,100) <40	(100) <20
O Xylene	T209	M105	10	µg/kg	(110) <20	(100,110) <40	(110,100) <60	(110,100) <40	(100) <20
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	(110) <20	(100,110) <40	(110,100) <60	(110,100) <40	(100) <20
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	(110) <0.200	(100,110) <0.400	(100,110) <0.600	(100,110) <0.400	(100) <0.200
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	(110) <0.20	(110,100) <0.40	(100,110) <0.60	(100,110) <0.40	(100) <0.20
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	(110) <0.20	(100,110) <0.40	(110,100) <0.60	(110,100) <0.40	(100) <0.20
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	**(13) 2**	**(13) 2**	**(13) 2**	**(13) 2**	**(13) 1**
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	**(13) 4**	**(13) 4**	**(13) 2**	**(13) 3**	**(13) 5**
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	**(13) 1**	**(13) 2**	(13) <1	(13) <1	**(13) 3**
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	**(13) 5**	**(13) 8**	**(13) 5**	(13) <2	**(13) 30**
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	(110) <0.20	(110,100) <0.40	(110,100) <0.60	(100,110) <0.40	(100) <0.20
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	(110) <0.20	(100,110) <0.40	(110,100) <0.60	(110,100) <0.40	(100) <0.20
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	(110) <0.20	(110,100) <0.40	(100,110) <0.60	(100,110) <0.40	(100) <0.20
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	(13) <2	(13) <2	(13) <2	(13) <2	(13) <2
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	**(13) 6**	**(13) 8**	**(13) 4**	**(13) 7**	**(13) 8**
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	**(13) 8**	**(13) 9**	**(13) 7**	**(13) 3**	**(13) 12**
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	**(13) 6**	**(13) 9**	**(13) 2**	(13) <1	**(13) 10**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
TPH (CWG) with MTBE, BTEX

				Concept Reference	**745484 012**	**745484 014**	**745484 016**	**745484 017**	**745484 018**
				Customer Sample Reference	**TP6 D4-D6**	**TP7 D4-D6**	**TP8 D4-D6**	**TP9 D1-D3**	**TP10 D1-D3**
				Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Bottom Depth	**3.0**	**3.0**	**3.5**	**3.6**	**3.3**
				Top Depth	**1.5**	**1.5**	**1.5**	**1**	**1.8**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzene	T209	M105	10	µg/kg	(110,13) <20	(110,13) <20	(110,13) <20	(110,13) <20	(13) <10
Toluene	T209	M105	10	µg/kg	(110) <20	(110) <20	(110) <20	(110) <20	<10
EthylBenzene	T209	M105	10	µg/kg	(110) <20	(110) <20	(110) <20	(110) <20	<10
M/P Xylene	T209	M105	10	µg/kg	(110) <20	(110) <20	(110) <20	(110) <20	<10
O Xylene	T209	M105	10	µg/kg	(110) <20	(110) <20	(110) <20	(110) <20	<10
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	(110) <20	(110) <20	(110) <20	(110) <20	<10
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	(110) <0.200	(110) <0.200	(110) <0.200	(110) <0.200	<0.100
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	(110) <0.20	(110) <0.20	(110) <0.20	(110) <0.20	<0.10
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	(110) <0.20	(110) <0.20	(110) <0.20	(110) <0.20	<0.10
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	**(13) 3**	**(13) 2**	(13) <1	**(13) 2**	**(13) 1**
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	**(13) 5**	**(13) 3**	**(13) 2**	**(13) 4**	**(13) 3**
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	**(13) 3**	(13) <1	(13) <1	**(13) 2**	**(13) 15**
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	**(13) 8**	**(13) 3**	(13) <2	**(13) 6**	**(13) 10**
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	(110) <0.20	(110) <0.20	(110) <0.20	(110) <0.20	<0.10
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	(110) <0.20	(110) <0.20	(110) <0.20	(110) <0.20	<0.10
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	(110) <0.20	(110) <0.20	(110) <0.20	(110) <0.20	<0.10
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	**(13) 4**	(13) <2	(13) <2	(13) <2	(13) <2
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	**(13) 14**	**(13) 6**	**(13) 2**	**(13) 8**	**(13) 12**
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	**(13) 18**	**(13) 5**	**(13) 3**	**(13) 9**	**(13) 35**
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	**(13) 10**	(13) <1	(13) <1	**(13) 10**	**(13) 5**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
TPH (CWG) with MTBE, BTEX

				Concept Reference	**745484 019**	**745484 020**	**745484 021**	**745484 022**	**745484 023**
				Customer Sample Reference	**TP11 D1-D3**	**TP12D1-D3**	**TP13 D1-D3**	**BH1 D1-D3**	**BH1 D4-D6**
				Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Bottom Depth	**3.0**	**3.0**	**0.3**		
				Top Depth	**1.5**	**1.5**	**0.0**	**0.75**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzene	T209	M105	10	µg/kg	(13) <10	(13,110) <20	(13) <10	(100,13) <20	(13) <10
Toluene	T209	M105	10	µg/kg	<10	(110) <20	<10	(100) <20	<10
EthylBenzene	T209	M105	10	µg/kg	<10	(110) <20	<10	(100) <20	<10
M/P Xylene	T209	M105	10	µg/kg	<10	(110) <20	<10	(100) <20	<10
O Xylene	T209	M105	10	µg/kg	<10	(110) <20	<10	(100) <20	<10
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	<10	(110) <20	<10	(100) <20	<10
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	<0.100	(110) <0.200	<0.100	(100) <0.200	<0.100
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(100) <0.20	<0.10
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(100) <0.20	<0.10
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 2**	(13) <1	**(13) 4**	**(13) 2**
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	**(13) 3**	**(13) 4**	**(13) 1**	**(13) 6**	**(13) 13**
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 1**	(13) <1	**(13) 3**	**(13) 7**
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	**(13) 7**	**(13) 4**	(13) <2	**(13) 5**	**(13) 8**
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(100) <0.20	<0.10
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(100) <0.20	<0.10
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(100) <0.20	<0.10
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	(13) <2	(13) <2	(13) <2	**(13) 3**	(13) <2
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 6**	(13) <1	**(13) 10**	(13) <1
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	**(13) 5**	**(13) 5**	(13) <1	**(13) 13**	**(13) 8**
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	**(13) 8**	**(13) 2**	(13) <1	**(13) 21**	(13) <1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
TPH (CWG) with MTBE, BTEX

Concept Reference					**745484 024**	**745484 025**	**745484 026**	**745484 027**	**745484 028**
Customer Sample Reference					**BH2 D1-D3**	**BH2 D4-D6**	**BH3 D1-D3**	**BH3 D4-D6**	**BH4 D1-D3**
Depth					**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
Bottom Depth									
Top Depth					**1.0**	**6.0**	**1.0**	**6.0**	**1.0**
Date Sampled					**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
Matrix Class					**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzene	T209	M105	10	µg/kg	(100,13) <20	(13) <10	(110,13) <20	(13) <10	(13) <10
Toluene	T209	M105	10	µg/kg	(100) <20	<10	(110) <20	<10	<10
EthylBenzene	T209	M105	10	µg/kg	(100) <20	<10	(110) <20	<10	<10
M/P Xylene	T209	M105	10	µg/kg	(100) <20	<10	(110) <20	<10	<10
O Xylene	T209	M105	10	µg/kg	(100) <20	<10	(110) <20	<10	<10
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	(100) <20	<10	(110) <20	<10	<10
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	(100) <0.200	<0.100	(110) <0.200	<0.100	<0.100
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	(100) <0.20	<0.10	(110) <0.20	<0.10	<0.10
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	(100) <0.20	<0.10	(110) <0.20	<0.10	<0.10
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	(13) <1	(13) <1	**(13) 2**	(13) <1	(13) <1
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	**(13) 2**	(13) <1	**(13) 4**	(13) <1	**(13) 3**
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	(13) <1	(13) <1	**(13) 1**	(13) <1	(13) <1
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	**(13) 3**	**(13) 2**	**(13) 3**	(13) <2	**(13) 4**
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	(100) <0.20	<0.10	(110) <0.20	<0.10	<0.10
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	(100) <0.20	<0.10	(110) <0.20	<0.10	<0.10
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	(100) <0.20	<0.10	(110) <0.20	<0.10	<0.10
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	(13) <2	(13) <2	(13) <2	(13) <2	(13) <2
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	**(13) 2**	(13) <1	**(13) 10**	(13) <1	(13) <1
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	**(13) 3**	(13) <1	**(13) 9**	(13) <1	**(13) 5**
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	(13) <1	(13) <1	**(13) 3**	(13) <1	**(13) 14**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
TPH (CWG) with MTBE, BTEX

				Concept Reference	**745484 029**	**745484 030**	**745484 031**	**745484 032**	**745484 033**
				Customer Sample Reference	**BH4 D4-D6**	**BH5 D1-D3**	**BH5 D4-D6**	**BH7 D1-D3**	**BH7 D4-D6**
				Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**3.50**	**0.5**	**3.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**	**13-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzene	T209	M105	10	µg/kg	(13) <10	(110,13) <20	(13) <10	(13) <10	(100,13) <20
Toluene	T209	M105	10	µg/kg	<10	(110) <20	**40**	<10	(100) <20
EthylBenzene	T209	M105	10	µg/kg	<10	(110) <20	<10	<10	(100) <20
M/P Xylene	T209	M105	10	µg/kg	<10	(110) <20	<10	<10	(100) <20
O Xylene	T209	M105	10	µg/kg	<10	(110) <20	<10	<10	(100) <20
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	<10	(110) <20	<10	<10	(100) <20
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	<0.100	(110) <0.200	<0.100	<0.100	(100) <0.200
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	<0.10	(100) <0.20
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	<0.10	**1.2**
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 2**	(13) <1	(13) <1	**(13) 8**
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 4**	**(13) 6**	(13) <1	**(13) 29**
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 2**	**(13) 3**	(13) <1	**(13) 26**
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	(13) <2	**(13) 6**	**(13) 7**	(13) <2	**(13) 12**
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	<0.10	(100) <0.20
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	<0.10	(100) <0.20
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	<0.10	**1.0**
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	(13) <2	(13) <2	(13) <2	(13) <2	**(13) 4**
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 7**	(13) <1	(13) <1	**(13) 9**
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 9**	**(13) 4**	(13) <1	**(13) 11**
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	(13) <1	(13) <1	**(13) 1**	(13) <1	**(13) 2**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
TPH (CWG) with MTBE, BTEX

				Concept Reference	**745484 034**	**745484 035**	**745484 036**	**745484 037**	**745484 038**
				Customer Sample Reference	**BH7 D7-D9**	**BH7 D10-D12**	**BH8 D1-D3**	**BH8 D4-D6**	**BH9 D1-D3**
				Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Bottom Depth					
				Top Depth	**3.10**	**5.0**	**1.0**	**6.0**	**1.0**
				Date Sampled	**13-JUN-2018**	**13-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzene	T209	M105	10	µg/kg	(13) <10	(13) <10	(13,100,110) <40	(13) <10	(13,100,110) <40
Toluene	T209	M105	10	µg/kg	<10	<10	(110,100) <40	<10	(100,110) <40
EthylBenzene	T209	M105	10	µg/kg	<10	<10	(110,100) <40	<10	(100,110) <40
M/P Xylene	T209	M105	10	µg/kg	<10	<10	(100,110) <40	<10	(100,110) <40
O Xylene	T209	M105	10	µg/kg	<10	<10	(100,110) <40	<10	(100,110) <40
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	<10	<10	(100,110) <40	<10	(100,110) <40
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	<0.100	<0.100	(100,110) <0.400	<0.100	(100,110) <0.400
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	<0.10	<0.10	(110,100) <0.40	<0.10	(100,110) <0.40
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	**1.0**	<0.10	(100,110) <0.40	<0.10	(100,110) <0.40
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	**(13) 8**	(13) <1	**(13) 2**	(13) <1	**(13) 2**
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	**(13) 41**	(13) <1	**(13) 3**	(13) <1	**(13) 5**
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	**(13) 34**	**(13) 2**	**(13) 3**	(13) <1	**(13) 4**
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	**(13) 19**	**(13) 2**	**(13) 6**	(13) <2	**(13) 11**
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	<0.10	<0.10	(110,100) <0.40	<0.10	(110,100) <0.40
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	<0.10	<0.10	(100,110) <0.40	<0.10	(110,100) <0.40
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	<0.10	<0.10	(110,100) <0.40	<0.10	(100,110) <0.40
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	**(13) 3**	(13) <2	(13) <2	(13) <2	(13) <2
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	**(13) 17**	(13) <1	**(13) 6**	(13) <1	**(13) 9**
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	**(13) 15**	(13) <1	**(13) 6**	(13) <1	**(13) 12**
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	**(13) 1**	(13) <1	(13) <1	(13) <1	**(13) 9**

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
TPH (CWG) with MTBE, BTEX

				Concept Reference	**745484 040**	**745484 041**	**745484 043**	**745484 044**	**745484 046**
				Customer Sample Reference	**BH9 D7-D9**	**BH10 D1-D3**	**BH10 D7-D9**	**BH11 D1-D3**	**BH11 D7-D9**
				Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Bottom Depth					
				Top Depth	**6.0**	**1.0**	**6.0**	**1.0**	**6.0**
				Date Sampled	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**	**14-JUN-2018**
				Matrix Class	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**	**Sandy Soil**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzene	T209	M105	10	µg/kg	(13) <10	(13,100) <20	(13) <10	(13,110) <20	(13) <10
Toluene	T209	M105	10	µg/kg	<10	(100) <20	<10	**190**	<10
EthylBenzene	T209	M105	10	µg/kg	<10	(100) <20	<10	(110) <20	<10
M/P Xylene	T209	M105	10	µg/kg	<10	(100) <20	<10	(110) <20	<10
O Xylene	T209	M105	10	µg/kg	<10	(100) <20	<10	(110) <20	<10
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	<10	(100) <20	<10	(110) <20	<10
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	<0.100	(110) <0.200	<0.100	(110) <0.200	<0.100
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(110) <0.20	<0.10
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(110) <0.20	<0.10
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 3**	(13) <1	**(13) 6**	(13) <1
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 6**	(13) <1	**(13) 11**	**(13) 2**
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 4**	**(13) 3**	**(13) 12**	(13) <1
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	(13) <2	**(13) 8**	**(13) 2**	**(13) 33**	**(13) 4**
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(110) <0.20	<0.10
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(110) <0.20	<0.10
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	<0.10	(110) <0.20	<0.10	(110) <0.20	<0.10
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	(13) <2	(13) <2	(13) <2	**(13) 3**	(13) <2
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 9**	(13) <1	**(13) 14**	(13) <1
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 10**	(13) <1	**(13) 21**	(13) <1
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 7**	(13) <1	**(13) 21**	(13) <1

Concept Reference: 745484
Project Site: Pen-y-bont
Customer Reference: WR7449

Soil Analysed as Soil
TPH (CWG) with MTBE, BTEX

Concept Reference	**745484 047**	**745484 049**
Customer Sample Reference	**BH12 D1-D3**	**BH12 D7-D9**
Depth	**1.0**	**5.0**
Bottom Depth		
Top Depth	**1.0**	**5.0**
Date Sampled	**14-JUN-2018**	**14-JUN-2018**
Matrix Class	**Sandy Soil**	**Sandy Soil**

Determinand	Method	Test Sample	LOD	Units		
Benzene	T209	M105	10	µg/kg	(13) <10	(13) <10
Toluene	T209	M105	10	µg/kg	<10	<10
EthylBenzene	T209	M105	10	µg/kg	<10	<10
M/P Xylene	T209	M105	10	µg/kg	<10	<10
O Xylene	T209	M105	10	µg/kg	<10	<10
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	<10	<10
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	<0.100	<0.100
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	<0.10	<0.10
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	<0.10	<0.10
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 2**
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	**(13) 1**	**(13) 4**
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	(13) <1	**(13) 4**
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	**(13) 3**	**(13) 7**
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	<0.10	<0.10
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	<0.10	<0.10
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	<0.10	<0.10
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	(13) <2	(13) <2
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 4**
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 15**
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	(13) <1	**(13) 13**

Index to symbols used in 745484-1

Value	Description
A40	Assisted dried < 40C
M40	Analysis conducted on sample assisted dried at no more than 40C. Results are reported on a dry weight basis.
AR	As Received
M105	Analysis conducted on an "as received" aliquot. Results are reported on a dry weight basis where moisture content was determined by assisted drying of sample at 105C
100	LOD determined by sample aliquot used for analysis
110	LOD raised due to low internal standard recovery.
13	Results have been blank corrected.
M	Analysis is MCERTS accredited
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T85	Calc
T162	Grav (1 Dec) (105 C)
T7	Probe
T102	ICP/OES (HCl extract)
T686	Discrete Analyser
T6	ICP/OES
T21	OX/IR
T209	GC/MS (Head Space)(MCERTS)
T909	GCxGC
T2	Grav
T4	Colorimetry
T546	Colorimetry (CF)
T207	GC/MS (MCERTS)

T921	Colorimetry (CF) (MCERT)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Total Organic Carbon	T21	A40	0.1	%	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Phenols(Mono)	T921	AR	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Naphthalene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Acenaphthylene	T207	M105	0.1	mg/kg	U	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Acenaphthene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Fluorene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Phenanthrene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Anthracene	T207	M105	0.1	mg/kg	U	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Fluoranthene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Pyrene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Chrysene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Benzo(b)fluoranthene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Benzo(k)fluoranthene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Coronene	T207	M105	0.1	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
PAH (Sum)	T85	M105	1.6	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Benzene	T209	M105	10	µg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Toluene	T209	M105	10	µg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
EthylBenzene	T209	M105	10	µg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
M/P Xylene	T209	M105	10	µg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
O Xylene	T209	M105	10	µg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Methyl tert-Butyl Ether	T209	M105	10	µg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C5-C6 aliphatic)	T209	M105	0.100	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C6-C8 aliphatic)	T209	M105	0.10	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C8-C10 aliphatic)	T209	M105	0.10	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C10-C12 aliphatic)	T909	M105	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C12-C16 aliphatic)	T909	M105	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C16-C21 aliphatic)	T909	M105	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C21-C35 aliphatic)	T909	M105	2	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C6-C7 aromatic)	T209	M105	0.10	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C7-C8 aromatic)	T209	M105	0.10	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C8-C10 aromatic)	T209	M105	0.10	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C10-C12 aromatic)	T909	M105	2	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C12-C16 aromatic)	T909	M105	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C16-C21 aromatic)	T909	M105	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
TPH (C21-C35 aromatic)	T909	M105	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Arsenic	T6	M40	2	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Barium	T6	A40	1	mg/kg	U	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Cadmium	T6	M40	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Chromium	T6	M40	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Copper	T6	M40	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Mercury	T6	M40	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Molybdenum	T6	M40	2	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Nickel	T6	M40	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Lead	T6	M40	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Antimony	T6	A40	1	mg/kg	U	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Selenium	T6	M40	3	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Zinc	T6	M40	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Ammoniacal nitrogen	T4	AR	0.5	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Chloride	T686	AR	1	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Fluoride	T686	A40	1	mg/kg	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
SO4(Total)	T102	A40	0.01	%	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Cyanide(Total)	T546	AR	1	mg/kg	M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Moisture @105C	T162	AR	0.1	%	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Retained on 10mm sieve	T2	M40	0.1	%	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
pH	T7	A40			M	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049
Electrical Conductivity	T7	A40	10	µS/cm	N	002,004,006,008,010,012,014,016-038,040-041,043-044,046-047,049