

The Sizewell C Project

6.14 Environmental Statement Addendum
Volume 3: Environmental Statement Addendum Appendices
Chapter 2 Main Development Site Appendix 2.13.A
Phase 2 Geo-Environmental Interpretative Report Part 20 of 25

Revision: 2.0

Applicable Regulation: Regulation 5(2)(a)

PINS Reference Number: EN010012

January 2021

Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

SizewellC
Doing the power of good for Britain
EDF CGN

Envirolab Job Number: 19/07318

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07318/3	19/07318/5	19/07318/8	19/07318/11	19/07318/12			Units	Limit of Detection	Method ref
Client Sample No	107	109	6/WAC5	8	WAC7					
Client Sample ID	DCBH2019_4	DCBH2019_4	DCBH2019_5	DCBH2019_5	DCBH2019_5					
Depth to Top	3.00	5.30	4.62	14.80	17.50					
Depth To Bottom										
Date Sampled	31-Jul-19	31-Jul-19	29-Jul-19	30-Jul-19	30-Jul-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	5A	3	3	5	5					
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	0.59	0.28	0.13	0.04	-			µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	0.23	0.11	0.05	<0.02	-			µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	0.13	0.12	0.11	<0.02	-			µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	0.38	0.19	0.09	<0.02	-			µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-			µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	0.98	0.70	0.09	0.06	-			µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	0.82	0.49	0.25	0.02	-			µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	0.12	0.10	0.08	<0.02	-			µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	3.29	1.99	0.80	0.12	-			µg/l	0.02	A-T-019w

Envirolab Job Number: 19/07318

Client Project Name: Sizewell C

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Lab Sample ID	19/07318/3	19/07318/5	19/07318/8	19/07318/11	19/07318/12			Units	Limit of Detection	Method ref
Client Sample No	107	109	6/WAC5	8	WAC7					
Client Sample ID	DCBH2019_4	DCBH2019_4	DCBH2019_5	DCBH2019_5	DCBH2019_5					
Depth to Top	3.00	5.30	4.62	14.80	17.50					
Depth To Bottom										
Date Sampled	31-Jul-19	31-Jul-19	29-Jul-19	30-Jul-19	30-Jul-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	5A	3	3	5	5					
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	-	-	-			mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	-	-	-			mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	-	-	-			mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	4	-	-	-			mg/kg	1	A-T-055s
Ali >C21-C35$_A$	4	11	-	-	-			mg/kg	1	A-T-055s
Total Aliphatics$_A$	4	15	-	-	-			mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	-	-	-			mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	<1	-	-	-			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	-	-	-			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	2	-	-	-			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	7	22	-	-	-			mg/kg	1	A-T-055s
Total Aromatics$_A$	7	24	-	-	-			mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	11	39	-	-	-			mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	-	-	-			mg/kg	0.01	A-T-022s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/07318

Date Received: 02/08/2019 (am)

Cool Box Temperatures (°C): 16.3 - 20.2

NO DEVIATIONS IDENTIFIED

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[redacted]
[redacted]

Final Test Report

[redacted]

Notes - Soil analysis

[redacted]

Notes - General

[redacted]

Predominant Matrix Codes: [redacted]

Secondary Matrix Codes [redacted]

[redacted]

[redacted]

[redacted]

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/07318/8				
				6/WAC5		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	8.16				
		N	N	0.11				
		N	N	0.04				
		N	N	9.2				
		N	N	1.94				
		N	N	<0.08				
		N	N	<30				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.130			
		N	N		0.140			
		N	N		<0.01			
		N	N		0.010			
		N	N		0.040			
		N	N		<0.005			
		N	N		0.670			
		N	N		0.050			
		N	N		0.060			
		N	N		0.020			
		N	N		<0.01			
		N	N		0.100			
		N	N		3320			
		N	N		8.0			
		N	N		2079			
		N	N		8260			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/07318/12				
				WAC7		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	8.58				
		N	N	0.04				
		N	N	0.01				
		N	N	1.9				
		N	N	2.1				
		N	N	<0.08				
		N	N	<30				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.020			
		N	N		0.050			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.030			
		N	N		<0.005			
		N	N		0.030			
		N	N		0.020			
		N	N		0.020			
		N	N		0.020			
		N	N		<0.01			
		N	N		0.070			
		N	N		95			
		N	N		3.0			
		N	N		120			
		N	N		740			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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M R A

FINAL ANALYTICAL TEST REPORT

SUPPLEMENT TO TEST REPORT 19/07318/1

Amendments:

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

Envirolab Job Number: 19/07318

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07318/3	19/07318/5	19/07318/8	19/07318/11	19/07318/12	19/07318/14	19/07318/19	Units	Limit of Detection	Method ref
Client Sample No	107	109	6/WAC5	8	WAC7	102	105			
Client Sample ID	DCBH2019_4	DCBH2019_4	DCBH2019_5	DCBH2019_5	DCBH2019_5	MGS_2019_B1	MGS_2019_B1			
Depth to Top	3.00	5.30	4.62	14.80	17.50	0.30	1.90			
Depth To Bottom										
Date Sampled	31-Jul-19	31-Jul-19	29-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5A	3	3	5	5	4A	4AE			
% Stones >10mm$_A$	5.9	<0.1	<0.1	<0.1	<0.1	-	-	% w/w	0.1	A-T-044
pH$_D^{M\#}$	8.36	7.90	8.16	7.68	8.58	-	-	pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	0.49	8.90	71.8	2.58	-	-	-	mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D^{M\#}$	<200	5100	710	420	-	-	-	mg/kg	200	A-T-028s
Cyanide (free)$_A^{M\#}$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	-	-	-	mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	<5	<5	<5	-	-	-	mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D^{M\#}$	<0.6	12.2	9.2	3.5	1.9	-	-	% w/w	0.6	A-T-030s
Total Organic Carbon$_D^{M\#}$	0.08	3.35	1.94	1.59	2.10	-	-	% w/w	0.03	A-T-032s
Fraction of organic carbon$_D^{\#}$	0.0008	0.0335	0.0194	0.0159	-	-	-	N/A	0.0003	A-T-032 FOC
Arsenic$_D^{M\#}$	<1	11	9	5	-	-	-	mg/kg	1	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	11.5	10.0	<1.0	-	-	-	mg/kg	1	A-T-027s
Cadmium$_D^{M\#}$	<0.5	0.6	<0.5	0.5	-	-	-	mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	<1	11	13	<1	-	-	-	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	<1	31	39	8	-	-	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-040s
Iron$_D$	744	30800	26300	29800	-	-	-	mg/kg	50	A-T-024s
Lead$_D^{M\#}$	<1	20	23	4	-	-	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	-	-	-	mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	<1	23	27	5	-	-	-	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	1	<1	-	-	-	mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	3	58	77	34	-	-	-	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	<5	58	68	14	-	-	-	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*	*	*	*	-	-	-			A-T-001
pH (leachable)$_A^{\#}$	8.44	8.38	8.21	7.99	-	-	-	pH	0.01	A-T-031w
Ammoniacal nitrogen as N (leachable)$_A$	<0.02	0.15	5.71	<0.02	-	-	-	mg/l	0.02	A-T-033w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	<0.026	0.197	7.361	<0.026	-	-	-	mg/l	0.026	A-T-033w
Nitrate (leachable)$_A^{\#}$	0.1	<0.1	<0.1	<0.1	-	-	-	mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	3.36	103.85	207.87	20.84	-	-	-	mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005	<0.005	<0.005	<0.005	-	-	-	mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005	<0.005	<0.005	<0.005	-	-	-	mg/l	0.005	A-T-042wTCN

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Envirolab Job Number: 19/07318 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/07318/3	19/07318/5	19/07318/8	19/07318/11	19/07318/12	19/07318/14	19/07318/19	Units	Limit of Detection	Method ref
Client Sample No	107	109	6/WAC5	8	WAC7	102	105			
Client Sample ID	DCBH2019_4	DCBH2019_4	DCBH2019_5	DCBH2019_5	DCBH2019_5	MGS_2019_B1	MGS_2019_B1			
Depth to Top	3.00	5.30	4.62	14.80	17.50	0.30	1.90			
Depth To Bottom										
Date Sampled	31-Jul-19	31-Jul-19	29-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5A	3	3	5	5	4A	4AE			
Sulphide (leachable)$_{A}$	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_{A}^{\#}$	5	9	18	1	-	-	-	µg/l	1	A-T-025w
Boron (leachable)$_{A}^{\#}$	94	720	971	71	-	-	-	µg/l	10	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	4	<1	8	2	-	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	<1	2	3	<1	-	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	<0.05	<0.05	<0.05	<0.05	-	-	-	mg/l	0.05	A-T-040w
Iron (leachable)$_{A}^{\#}$	234	188	1440	10	-	-	-	µg/l	10	A-T-025w
Lead (leachable)$_{A}^{\#}$	1	<1	18	<1	-	-	-	µg/l	1	A-T-025w
Manganese (leachable)$_{A}^{\#}$	3	79	57	80	-	-	-	µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	<0.1	<0.1	<0.1	<0.1	-	-	-	µg/l	0.1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	<1	2	6	1	-	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	22	16	39	2	-	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	8	13	62	9	-	-	-	µg/l	1	A-T-025w
Calcium (leachable)$_{A}$	3	13	15	16	-	-	-	mg/l	1	A-T-049w

Envirolab Job Number: 19/07318

Client Project Name: Sizewell C

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Client Sample No	107	109	6/WAC5	8	WAC7	102	105			
Client Sample ID	DCBH2019_4	DCBH2019_4	DCBH2019_5	DCBH2019_5	DCBH2019_5	MGS_2019_B1	MGS_2019_B1			
Depth to Top	3.00	5.30	4.62	14.80	17.50	0.30	1.90			
Depth To Bottom										
Date Sampled	31-Jul-19	31-Jul-19	29-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5A	3	3	5	5	4A	4AE			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D$ #	NAD	NAD	NAD	NAD	-	NAD	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	-	N/A	N/A			

Envirolab Job Number: 19/07318

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Client Sample ID	DCBH2019_4	DCBH2019_4	DCBH2019_5	DCBH2019_5	DCBH2019_5	MGS_2019_B1	MGS_2019_B1			
Depth to Top	3.00	5.30	4.62	14.80	17.50	0.30	1.90			
Depth To Bottom										
Date Sampled	31-Jul-19	31-Jul-19	29-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5A	3	3	5	5	4A	4AE			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	0.59	0.28	0.13	0.04	-	-	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	0.23	0.11	0.05	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	0.13	0.12	0.11	<0.02	-	-	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	0.38	0.19	0.09	<0.02	-	-	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	-	-	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	0.98	0.70	0.09	0.06	-	-	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	0.82	0.49	0.25	0.02	-	-	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	0.12	0.10	0.08	<0.02	-	-	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	3.29	1.99	0.80	0.12	-	-	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 19/07318

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07318/3	19/07318/5	19/07318/8	19/07318/11	19/07318/12	19/07318/14	19/07318/19	Units	Limit of Detection	Method ref
Client Sample No	107	109	6/WAC5	8	WAC7	102	105			
Client Sample ID	DCBH2019_4	DCBH2019_4	DCBH2019_5	DCBH2019_5	DCBH2019_5	MGS_2019_B1	MGS_2019_B1			
Depth to Top	3.00	5.30	4.62	14.80	17.50	0.30	1.90			
Depth To Bottom										
Date Sampled	31-Jul-19	31-Jul-19	29-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19	30-Jul-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5A	3	3	5	5	4A	4AE			
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	4	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	4	11	-	-	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	4	15	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	2	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	7	22	-	-	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	7	24	-	-	-	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	11	39	-	-	-	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/07318

Date Received: 02/08/2019 (am)

Cool Box Temperatures (°C): 16.3 - 20.2

NO DEVIATIONS IDENTIFIED

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M R d AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

Envirolab Job Number: 19/07377

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07377/1	19/07377/10						Units	Limit of Detection	Method ref
Client Sample No	WAC1	107 / WAC 5								
Client Sample ID	Core Store Spoil Skip	MGS_2019_B 2								
Depth to Top		4.00								
Depth To Bottom										
Date Sampled	01-Aug-19	31-Jul-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4AB								
% Stones >10mm$_A$	3.2	-						% w/w	0.1	A-T-044

Envirolab Job Number: 19/07377

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07377/1	19/07377/10						Units	Limit of Detection	Method ref
Client Sample No	WAC1	107 / WAC 5								
Client Sample ID	Core Store Spoil Skip	MGS_2019_B 2								
Depth to Top		4.00								
Depth To Bottom										
Date Sampled	01-Aug-19	31-Jul-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4AB								
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	-	Chrysotile & Amosite								A-T-045
Asbestos Matrix (visual)$_{D}$	-	Loose fibres								A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose fibres								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	-	N/A								A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	0.023						% w/w	0.001	A-T-054

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	19/07377
		Date Received:	05/08/2019 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	19.9, 20.1
Clients Project No:	734318		

NO DEVIATIONS IDENTIFIED

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Final Test Report

D A

Notes - Soil analysis

Notes - General

Predominant Matrix Codes:

Secondary Matrix Codes

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/07377/1				
				WAC1		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
				A				
Solid Waste Analysis								
	A	N	N	8.26				
A	A	N	N	0.03				
A	A	N	N	<0.01				
	A	N	N	0.8				
	A	N	N	0.06				
A	A	N	N	<0.08				
M	A	N	N	<10				
	A	N	N	<0.007				
	A	N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Ar	A	N	N		0.030			
r	A	N	N		0.050			
d	A	N	N		<0.01			
r	A	N	N		<0.01			
r	A	N	N		0.040			
M r r	A	N	N		<0.005			
M d	A	N	N		0.030			
	A	N	N		<0.01			
d	A	N	N		<0.01			
A	A	N	N		<0.01			
	A	N	N		<0.01			
	A	N	N		0.080			
d	A	N	N		109			
d	A	N	N		2.0			
	A	N	N		65			
D d	A	N	N		550			
d	A	N	N		<0.1			
D d r	A	N	N		<200			
Leach Test Information								
	A	N	N					
d	A	N	N					
M								
Dr M r	A	N	N					

d r r d d d r r d r r d r r r d r r d r r rr

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M R d d AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
% Stones >10mm$_A$	<0.1	<0.1						% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.73	9.19						pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	0.32	0.58						mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200	300						mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1	<1						mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	<1						mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2						mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	<5						mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	7.9	5.4						% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.04	0.25						% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0004	0.0025						N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	11	23						mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	<1.0						mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	<0.5						mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1	13						mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	6	7						mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1						mg/kg	1	A-T-040s
Iron$_D$	8750	17900						mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	4	21						mg/kg	1	A-T-024s
Mercury$_D$	0.35	<0.17						mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	4	6						mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1						mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	17	19						mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	13	50						mg/kg	5	A-T-024s

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	Amosite & Chrysotile								A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose fibres								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A								
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	0.313						% w/w	0.001	A-T-054

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	0.11						mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.01						mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	0.16						mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	0.14						mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	0.08						mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	0.12						mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	0.17						mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	0.67						mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.10						mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	0.06						mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	0.48						mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	0.49						mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	2.59						mg/kg	0.01	A-T-019s

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Envirolab Job Number: 19/07423 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
Speciated PCB-WHO12										
PCB BZ 81$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 105$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 114$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 118$_A^{M\#}$	<0.007	-						mg/kg	0.007	A-T-004s
PCB BZ 123$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 126$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 156$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 157$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 167$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 169$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 189$_A$	<0.005	-						mg/kg	0.005	A-T-004s
PCB BZ 77$_A$	<0.005	-						mg/kg	0.005	A-T-004s
Total Speciated PCB-WHO12$_A$	<0.007	-						mg/kg	0.005	A-T-004s

Envirolab Job Number: 19/07423 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected	-								A-T-052s
Hexachlorobenzene$_A$	<100	-						µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-						µg/kg	100	A-T-052s
Carbazole$_A$	<100	-						µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-						µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-						µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	-						µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-						µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-						µg/kg	100	A-T-052s
Phenol$_A$	<100	-						µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-						µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-						µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-						µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-						µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-						µg/kg	100	A-T-052s
Isophorone$_A$	<100	-						µg/kg	100	A-T-052s

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
Hexachloroethane$_A$	<100	-						µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100	-						µg/kg	100	A-T-052s
Perylene$_A$	<100	-						µg/kg	100	A-T-052s

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Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1	-						µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-						µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-						µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-						µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-						µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10	-						µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3	-						µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s

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Envirolab Job Number: 19/07423 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
Chlorobenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	-						µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	-						µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	-						µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	-						µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	-						µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	-						µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	-						µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detect	-								A-T-006s

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2						Units	Limit of Detection	Method ref
Client Sample No	104	108								
Client Sample ID	MGS_2019_B2	MGS_2019_B2								
Depth to Top	1.00	5.00								
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4A								
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1						mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	4						mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	7						mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	38						mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	49						mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	1						mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	1						mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	5						mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	8						mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	29						mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	45						mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	93						mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/07423

Date Received: 06/08/2019 (am)

Cool Box Temperatures (°C): 21.3

NO DEVIATIONS IDENTIFIED

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M R A

FINAL ANALYTICAL TEST REPORT

SUPPLEMENT TO TEST REPORT 19/07423/1

Amendments:

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by:

[redacted]

[redacted]

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
% Stones >10mm$_A$	<0.1	<0.1	-					% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.73	9.19	-					pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	0.32	0.58	-					mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200	300	-					mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1	<1	-					mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	<1	-					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	-					mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	<5	-					mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	7.9	5.4	-					% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.04	0.25	-					% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0004	0.0025	-					N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	11	23	-					mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	<1.0	-					mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	<0.5	-					mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1	13	-					mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	6	7	-					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	-					mg/kg	1	A-T-040s
Iron$_D$	8750	17900	-					mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	4	21	-					mg/kg	1	A-T-024s
Mercury$_D$	0.35	<0.17	-					mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	4	6	-					mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	-					mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	17	19	-					mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	13	50	-					mg/kg	5	A-T-024s

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	Amosite & Chrysotile	NAD							A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose fibres	-							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A							
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	0.313	-					% w/w	0.001	A-T-054

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	0.11	-					mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.01	-					mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	0.16	-					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	0.14	-					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	0.08	-					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	0.12	-					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	-					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	-					mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	0.17	-					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	-					mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	0.67	-					mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.10	-					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	0.06	-					mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	-					mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	0.48	-					mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	0.49	-					mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	2.59	-					mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Speciated PCB-WHO12										
PCB BZ 81$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 105$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 114$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 118$_A^{M\#}$	<0.007	-	-					mg/kg	0.007	A-T-004s
PCB BZ 123$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 126$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 156$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 157$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 167$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 169$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 189$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
PCB BZ 77$_A$	<0.005	-	-					mg/kg	0.005	A-T-004s
Total Speciated PCB-WHO12$_A$	<0.007	-	-					mg/kg	0.005	A-T-004s

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected	-	-							A-T-052s
Hexachlorobenzene$_A$	<100	-	-					µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-	-					µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-	-					µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-	-					µg/kg	100	A-T-052s
Carbazole$_A$	<100	-	-					µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-	-					µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-	-					µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-	-					µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-	-					µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-	-					µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-	-					µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-	-					µg/kg	100	A-T-052s
Phenol$_A$	<100	-	-					µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-	-					µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-	-					µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-	-					µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-	-					µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-	-					µg/kg	100	A-T-052s
Isophorone$_A$	<100	-	-					µg/kg	100	A-T-052s

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Hexachloroethane$_A$	<100	-	-					µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100	-	-					µg/kg	100	A-T-052s
Perylene$_A$	<100	-	-					µg/kg	100	A-T-052s

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Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1	-	-					µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-	-					µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-	-					µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-	-					µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-	-					µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10	-	-					µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3	-	-					µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Chlorobenzene$_{A}^{\#}$	*<1*	-	-					µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	-	-					µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	-	-					µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	*<1*	-	-					µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	-	-					µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	-	-					µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	-	-					µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	-	-					µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	-	-					µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detect	-	-							A-T-006s

Envirolab Job Number: 19/07423

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07423/1	19/07423/2	19/07423/4					Units	Limit of Detection	Method ref
Client Sample No	104	108	WAC6							
Client Sample ID	MGS_2019_B2	MGS_2019_B2	MGS_2019_B2							
Depth to Top	1.00	5.00	6.00							
Depth To Bottom										
Date Sampled	31-Jul-19	01-Aug-19	01-Aug-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	-					mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	-					mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	4	-					mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	7	-					mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	38	-					mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	49	-					mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	1	-					mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	1	-					mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	5	-					mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	8	-					mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	29	-					mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	45	-					mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	93	-					mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	-					mg/kg	0.01	A-T-022s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/07423

Date Received: 06/08/2019 (am)

Cool Box Temperatures (°C): 21.3

NO DEVIATIONS IDENTIFIED

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M R d d AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager: M Add
Project Name:
Project Ref:
Order No: A
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by:

[redacted]

Approved by:

[redacted]

Envirolab Job Number: 19/07951

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
% Stones >10mm$_A$	5.1							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.54							pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	6.30							mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200							mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2							mg/kg	0.2	A-T-050s
Sulphide$_A$	<5							mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	<0.6							% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.06							% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0006							N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	10							mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	4							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Iron$_D$	4250							mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	2							mg/kg	1	A-T-024s
Mercury$_D$	<0.17							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	2							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	9							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	7							mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*									A-T-001
pH (leachable)$_A$$^{\#}$	6.99							pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	<0.026							mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	<0.02							mg/l	0.02	A-T-033w
Nitrate (leachable)$_A$$^{\#}$	0.1							mg/l	0.1	A-T-026w
Sulphate (leachable)$_A$$^{\#}$	<1.00							mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005							mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005							mg/l	0.005	A-T-042wTCN

Envirolab Job Number: 19/07951 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
Sulphide (leachable)$_A$	<0.1							mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	14							µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	11							µg/l	10	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.05							mg/l	0.05	A-T-040w
Iron (leachable)$_A^{\#}$	40							µg/l	10	A-T-025w
Lead (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Manganese (leachable)$_A^{\#}$	1							µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	<0.1							µg/l	0.1	A-T-025w
Nickel (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	2							µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	2							µg/l	1	A-T-025w
Carbon-14$_A$	Appended								50	Subcon Soco-Did
Gamma Spec HR$_A$	Appended									Subcon Soco-Did
Gross Alpha + Gross Beta$_A^{\#}$	Appended								100	Subcon Soco-Did
Tritium (Total)$_A^{\#}$	Appended								50	Subcon Soco-Did
Calcium (leachable)$_A$	8							mg/l	1	A-T-049w
Acid Herbicides										
2,4,5-T$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
2,4-D$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPA$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPB$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_A$	<0.5							mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/07951

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A									A-T-045
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil$_{A}$	<0.01							mg/kg	0.01	A-T-056
Tecnazene$_{A}$	<0.01							mg/kg	0.01	A-T-056
Trifluralin$_{A}$	<0.01							mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Simazine$_{A}$	<0.01							mg/kg	0.01	A-T-056
Atrazine$_{A}$	<0.01							mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Quintozene (PCNB)$_{A}$	<0.01							mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Chlorothalonil$_{A}$	<0.01							mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Triallate$_{A}$	<0.01							mg/kg	0.01	A-T-056
Heptachlor$_{A}$	<0.01							mg/kg	0.01	A-T-056
Aldrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Triadimefon$_{A}$	<0.01							mg/kg	0.01	A-T-056
Telodrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Isodrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Pendimethalin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Heptachlor epoxide$_{A}$	<0.01							mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_{A}$	<0.01							mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_{A}$	<0.01							mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_{A}$	<0.01							mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Dieldrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_{A}$	<0.01							mg/kg	0.01	A-T-056

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Envirolab Job Number: 19/07951 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
Endrin$_A$	<0.01							mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_A$	<0.01							mg/kg	0.01	A-T-056
p,p-DDD (4,4)$_A$	<0.01							mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01							mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01							mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01							mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01							mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01							mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01							mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01							mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01							mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01							mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01							mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01							mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50							mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50							mg/kg	0.5	A-T-056
Phorate$_A$	<0.01							mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01							mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01							mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01							mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10							mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01							mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01							mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01							mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.01							mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01							mg/kg	0.01	A-T-056
Malathion$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01							mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01							mg/kg	0.01	A-T-056

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Envirolab Job Number: 19/07951 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
Prothiofos (Tokuthion)$_A$	<0.01							mg/kg	0.01	A-T-056
Ethion$_A$	<0.01							mg/kg	0.01	A-T-056
Triazophos$_A$	<0.01							mg/kg	0.01	A-T-056
Sulprofos$_A$	<0.01							mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01							mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01							mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.01							mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01							mg/kg	0.01	A-T-056

Envirolab Job Number: 19/07951

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08							mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/07951

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	0.37							µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	<0.02							µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	0.07							µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	<0.02							µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02							µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02							µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02							µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02							µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	<0.02							µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02							µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	0.07							µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	0.22							µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02							µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	0.09							µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	0.34							µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	0.04							µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	1.20							µg/l	0.02	A-T-019w

Envirolab Job Number: 19/07951

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	**19/07951/3**							**Units**	**Limit of Detection**	**Method ref**
Client Sample No	**103**									
Client Sample ID	**DCBH20109_2**									
Depth to Top	**0.50**									
Depth To Bottom										
Date Sampled	**18-Aug-19**									
Sample Type	**Soil - ES**									
Sample Matrix Code	**4**									
Speciated PCB-WHO12										
PCB BZ 81$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 105$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 114$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 118$_A^{M\#}$	**<0.007**							**mg/kg**	**0.007**	**A-T-004s**
PCB BZ 123$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 126$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 156$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 157$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 167$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 169$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 189$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
PCB BZ 77$_A$	**<0.005**							**mg/kg**	**0.005**	**A-T-004s**
Total Speciated PCB-WHO12$_A$	**<0.007**							**mg/kg**	**0.005**	**A-T-004s**

Envirolab Job Number: 19/07951

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected									A-T-052s
Hexachlorobenzene$_A$	<100							µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100							µg/kg	100	A-T-052s
Carbazole$_A$	<100							µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500							µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100							µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<200							µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100							µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100							µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100							µg/kg	100	A-T-052s
Phenol$_A$	<100							µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100							µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100							µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500							µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100							µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100							µg/kg	100	A-T-052s
Isophorone$_A$	<100							µg/kg	100	A-T-052s

Lab Sample ID	**19/07951/3**							**Units**	**Limit of Detection**	**Method ref**
Client Sample No	**103**									
Client Sample ID	**DCBH20109_2**									
Depth to Top	**0.50**									
Depth To Bottom										
Date Sampled	**18-Aug-19**									
Sample Type	**Soil - ES**									
Sample Matrix Code	**4**									
Hexachloroethane$_A$	**<100**							**µg/kg**	**100**	**A-T-052s**
Hexachlorocyclopentadiene$_A$	**<100**							**µg/kg**	**100**	**A-T-052s**
Perylene$_A$	**<100**							**µg/kg**	**100**	**A-T-052s**

envirolab

Envirolab Job Number: 19/07951

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1							µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10							µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5							µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5							µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2							µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10							µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3							µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
Chlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1							µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1							µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2							µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1							µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2							µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3							µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3							µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detect									A-T-006s

Envirolab Job Number: 19/07951

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/07951/3							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	DCBH20109_2									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	18-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4									
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1							mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1							mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1							mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Total Aromatics$_A$	<1							mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1							mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/07951

Date Received: 23/08/2019 (am)

Cool Box Temperatures (°C): 16.0

Lab Sample ID	
Client Sample No	
Client Sample ID/Depth	
Date Sampled	
Deviation Code	
	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID	
Client Sample No	
Client Sample ID/Depth	
Date Sampled	
	✓

Analysis of a Sand Sample

Envirolab Ltd
Units 7 & 8
Sandpits Business Park
Mottram Road
Hyde
SK14 3AR

Testing Facility: SOCOTEC UK
Unit 12, Moorbrook
Southmead Industrial Park
Didcot
Oxfordshire
OX11 7HP

Laboratory Reference: 19-0765

Customer Reference: 19/07951

Quote Number: ENR-ANU-9581Rev1

PO Number: P0741731

Sample Received: 27 August 2019

Sample Condition: Satisfactory, Ambient

Analysis Completed: 16 September 2019

Report Author: [redacted]

Author's Name: Charlene Hunston

Job Title: Team Leader

Approved By: [redacted]

Approver's Name: Carla Thompson

Job Title: Deputy Project Manager

Report Date: 23 September 2019

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Sample Summary

Customer Reference	Laboratory Reference	Matrix	Sampling Date
19/07951/3, DCBH20109_2 0.50m	RX4581	Sand	18/08/2019 12:00

Experimental

Tritium

ANU/SOP/2094 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the hydrogen and tritium were converted to water vapour. These were then selectively trapped in a series of gas-bubblers containing dilute acid. Aliquots of known weight were then assessed for their tritium content by liquid scintillation counting. The tritium activity was corrected for the proportion of the bubbler trapping solution taken and for the weight of combusted sample.

Carbon-14

ANU/SOP/2103 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the carbon species were converted to carbon dioxide, which were then selectively trapped in a series of gas-bubblers containing a trapping medium. Aliquots of known weight were then assessed for their ^{14}C content by liquid scintillation counting. Hence the total recovered ^{14}C was calculated from the total weights of each respective trapping medium.

Gross Alpha/Beta

ANU/SOP/2005 – A portion of each sample was slurried in meths and then vacuum filtered onto glass fibre filter paper in a pre-calibrated geometry, to produce a source for counting. After air-drying, the sample was weighed, then counted on a Berthold LB770 low-level gas-flow proportional counter for an appropriate length of time.

Gamma Spectrometry

ANU/SOP/2029 – The measurement technique is based on the use of high purity germanium (HPGe) detectors coupled to an Ortec gamma ray spectroscopy system. The gamma ray spectra are stored on a computer and analysed using the software programme Fitzpeaks for photopeak identification and quantification. The detectors are calibrated for efficiency using a mixed radionuclide standard, which covers an energy range of approximately 30-2000 keV. The efficiency of gamma rays between 30 keV and 120 keV are determined on an individual basis.

Application of decay corrections for the naturally occurring daughter radionuclides of uranium and thorium assumes that the series daughter radionuclides are all in secular equilibrium and therefore decay with the half-life of the first radionuclide in the series." (^{226}Ra is not UKAS accredited)

Deviating Sample Disclaimer

The reported results are representative of the sample upon receipt. However,

E) Sample processing did not commence within the appropriate holding time (annotated with "†" in the tables below)

F) Sample processing did not commence within the appropriate handling time (annotated with "§" in the tables below)

Consequently the sample is considered deviating and the validity of the reported data may be compromised.

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Results

Results are presented in the following tables.

Any opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.

The results in this test report relate only to the items tested. This test report must not be reproduced except in full, without written approval of the laboratory.

Results Summary – Tritium and Carbon-14

Customer Reference	Laboratory Reference	H-3	C-14
19/07951/3, DCBH20109_2 0.50m	RX4581 †§	<11	<5.3

Notes:
1. Results are presented as $Bq.kg^{-1}$ of sample as received and are decay corrected to the sampling date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.
3. † Sample processing did not commence within the appropriate holding time.
4. § Sample processing did not commence within the appropriate handling time.

Results Summary – Gross Alpha/Beta

Customer Reference	Laboratory Reference	Analysis Date	Gross Alpha as Pu-242	Gross Beta as Cs-137
19/07951/3, DCBH20109_2 0.50m	RX4581	10/09/2019	110 ± 50	325 ± 87

Notes:
1. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample, relative to the analysis date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.

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Results Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Be-7	K-40	Co-60	Cs-134	Cs-137	Tl-208	Pb-210	Bi-212	Pb-212
19/07951/3, DCBH20109_2 0.50m	RX4581	<12	266 ± 44	<1.6	<1.8	<1.5	<1.7	<29	<20	9.2 ± 1.9

Customer Reference	Laboratory Reference	Bi-214	Pb-214	Ra-224	Ra-226 *	Ac-228	Pa-234m	Th-234	U-235	Am-241
19/07951/3, DCBH20109_2 0.50m	RX4581	<3.5	6.6 ± 2.3	<29	<23	<6.9	<170	<29	<1.5	<2.7

Notes:

1. Analyses and/or samples marked with an asterisk are not covered under UKAS schedule 1252.
2. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample and are decay corrected to the sampling date.
3. For results below the Limit of Detection, the LoD is rounded up to 2 significant figures.
4. Results above the LoD are reported with expanded (2σ) uncertainties based on a total uncertainty budget.
5. Uncertainties are rounded to 2 significant figures; results are rounded to the same precision.
6. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the samples are assumed to be homogeneous.
7. ^{226}Ra has only one gamma ray at 186 keV and the major gamma ray from ^{235}U also occurs at 186 keV. ^{235}U can be measured by the lower abundance gamma ray at 144 keV and if a positive result for ^{235}U is reported, the ^{226}Ra result will be unreliable and overestimated. However even if ^{235}U is below the LoD there may still be a contribution to the ^{226}Ra from ^{235}U and the ^{226}Ra result may be unreliable and overestimated. If an accurate result for ^{226}Ra is required this is better obtained by radiochemical analysis.

- End of Report -

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

Envirolab Job Number: 19/08234

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08234/2	19/08234/4						Units	Limit of Detection	Method ref
Client Sample No	106	108								
Client Sample ID	DCBH2019_2	DCBH2019_2								
Depth to Top	4.20	7.00								
Depth To Bottom										
Date Sampled	29-Aug-19	29-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
% Stones >10mm$_A$	<0.1	<0.1						% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.47	7.67						pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	19.9	39.5						mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200	13000						mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1	<1						mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	2	<1						mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2						mg/kg	0.2	A-T-050s
Sulphide$_A$	19	63						mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.5	82.3						% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.10	34.9						% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0010	0.3491						N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	27	4						mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	19.0						mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.6	2.1						mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	3	<1						mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	7	2						mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<2						mg/kg	1	A-T-040s
Iron$_D$	<1000	1990						mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	21	2						mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17						mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	5	2						mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	2						mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	18	5						mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	32	7						mg/kg	5	A-T-024s

Envirolab Job Number: 19/08234

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08234/2	19/08234/4						Units	Limit of Detection	Method ref
Client Sample No	106	108								
Client Sample ID	DCBH2019_2	DCBH2019_2								
Depth to Top	4.20	7.00								
Depth To Bottom										
Date Sampled	29-Aug-19	29-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A								A-T-045

Envirolab Job Number: 19/08234

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08234/2	19/08234/4						Units	Limit of Detection	Method ref
Client Sample No	106	108								
Client Sample ID	DCBH2019_2	DCBH2019_2								
Depth to Top	4.20	7.00								
Depth To Bottom										
Date Sampled	29-Aug-19	29-Aug-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02						mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06						mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08						mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08						mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	19/08234
		Date Received:	03/09/2019 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	16.8
Clients Project No:	734318		

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Final Test Report

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Notes - Soil analysis

Notes - General

Predominant Matrix Codes:

Secondary Matrix Codes





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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/08234/4				
				108		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	7.67				
		N	N	0.03				
		N	N	<0.01				
		N	N	82.3				
		N	N	34.9				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.05				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.030			
		N	N		0.160			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.005			
		N	N		0.010			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.050			
		N	N		981			
		N	N		2.0			
		N	N		1871			
		N	N		3900			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager: M Add
Project Name:
Project Ref:
Order No: A
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: [redacted]

Approved by: [redacted]

Envirolab Job Number: 19/08263

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08263/1							Units	Limit of Detection	Method ref
Client Sample No	112									
Client Sample ID	DCBH2019_4									
Depth to Top	16.45									
Depth To Bottom										
Date Sampled	06-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
% Stones >10mm$_A$	<0.1							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.17							pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	1.23							mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	580							mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2							mg/kg	0.2	A-T-050s
Sulphide$_A$	17							mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.6							% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	1.01							% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0101							N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	4							mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	1							mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	9							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Iron$_D$	10100							mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	6							mg/kg	1	A-T-024s
Mercury$_D$	<0.17							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	4							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	23							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	16							mg/kg	5	A-T-024s

Envirolab Job Number: 19/08263

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08263/1							Units	Limit of Detection	Method ref
Client Sample No	112									
Client Sample ID	DCBH2019_4									
Depth to Top	16.45									
Depth To Bottom										
Date Sampled	06-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A									A-T-045

Envirolab Job Number: 19/08263

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08263/1							Units	Limit of Detection	Method ref
Client Sample No	112									
Client Sample ID	DCBH2019_4									
Depth to Top	16.45									
Depth To Bottom										
Date Sampled	06-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	<0.08							mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/08263

Date Received: 03/09/2019 (am)

Cool Box Temperatures (°C): 17.0, 16.9, 17.3, 16.6

Lab Sample ID	
Client Sample No	
Client Sample ID/Depth	
Date Sampled	
Deviation Code	
	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID	
Client Sample No	
Client Sample ID/Depth	
Date Sampled	
	✓
	✓
	✓
	✓
	✓
	✓
	✓

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager: M Add
Project Name:
Project Ref:
Order No: A
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by:

[redacted]

Approved by:

[redacted]

Envirolab Job Number: 19/08275

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	**19/08275/1**							**Units**	**Limit of Detection**	**Method ref**
Client Sample No	**100**									
Client Sample ID	**DCBH2019_1**									
Depth to Top	**0.10**									
Depth To Bottom										
Date Sampled	**13-Aug-19**									
Sample Type	**Soil - ES**									
Sample Matrix Code	**4AE**									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	**NAD**									**A-T-045**
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	**N/A**									**A-T-045**

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	19/08275
		Date Received:	03/09/2019 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	16.6
Clients Project No:	734318		

NO DEVIATIONS IDENTIFIED

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: [redacted]

Approved by: [redacted]

Envirolab Job Number: 19/08377

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08377/1							Units	Limit of Detection	Method ref
Client Sample No	10									
Client Sample ID	DCBH2019_2									
Depth to Top	21.30									
Depth To Bottom										
Date Sampled	03-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	8									
% Stones >10mm$_A$	<0.1							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.67							pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	0.52							mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	1600							mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2							mg/kg	0.2	A-T-050s
Sulphide$_A$	16							mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	4.2							% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	2.15							% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0215							N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	10							mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.8							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	9							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Iron$_D$	18400							mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	6							mg/kg	1	A-T-024s
Mercury$_D$	0.37							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	6							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	30							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	17							mg/kg	5	A-T-024s

Envirolab Job Number: 19/08377

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08377/1							Units	Limit of Detection	Method ref
Client Sample No	10									
Client Sample ID	DCBH2019_2									
Depth to Top	21.30									
Depth To Bottom										
Date Sampled	03-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	8									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A									A-T-045

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Envirolab Job Number: 19/08377 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08377/1							Units	Limit of Detection	Method ref
Client Sample No	10									
Client Sample ID	DCBH2019_2									
Depth to Top	21.30									
Depth To Bottom										
Date Sampled	03-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	8									
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08							mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/08377

Date Received: 06/09/2019 (am)

Cool Box Temperatures (°C): 17.1

NO DEVIATIONS IDENTIFIED

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M R AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: [redacted]

Approved by: [redacted]

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Envirolab Job Number: 19/08574

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
% Stones >10mm$_A$	<0.1	<0.1						% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.87	8.47						pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	2.13	2.06						mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200	<200						mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1	<1						mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	<1						mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2						mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	<5						mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.2	0.7						% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.15	0.10						% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0015	0.0010						N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	23	18						mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	<1.0						mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	<0.5						mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1	<1						mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	5	5						mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1						mg/kg	1	A-T-040s
Iron$_D$	13400	11700						mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	4	3						mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17						mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	3	4						mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1						mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	15	14						mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	13	13						mg/kg	5	A-T-024s
Acid Herbicides										
2,4,5-T$_A$	<0.5	-						mg/kg	0.5	Subcon Chemtest
2,4-D$_A$	<0.5	-						mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_A$	<0.5	-						mg/kg	0.5	Subcon Chemtest
MCPA$_A$	<0.5	-						mg/kg	0.5	Subcon Chemtest
MCPB$_A$	<0.5	-						mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_A$	<0.5	-						mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/08574 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	NAD								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A								A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Tecnazene$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Trifluralin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Quintozene (PCNB)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Chlorothalonil$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Triallate$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Heptachlor$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Aldrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Triadimefon$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Telodrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Isodrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Pendimethalin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Heptachlor epoxide$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Dieldrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Endrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
Endosulphan II (Beta)$_A$	<0.01	-						mg/kg	0.01	A-T-056
p,p-DDD (4,4)$_A$	<0.01	-						mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01	-						mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01	-						mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01	-						mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01	-						mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01	-						mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01	-						mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50	-						mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50	-						mg/kg	0.5	A-T-056
Phorate$_A$	<0.01	-						mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01	-						mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10	-						mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01	-						mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01	-						mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Malathion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01	-						mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Ethion$_A$	<0.01	-						mg/kg	0.01	A-T-056

Envirolab Job Number: 19/08574

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
Triazophos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Sulprofos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01	-						mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.01	-						mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.01	-						mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01	-						mg/kg	0.01	A-T-056

Envirolab Job Number: 19/08574

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	<0.02	<0.02						mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	<0.06	<0.06						mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	<0.08	<0.08						mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	<0.08	<0.08						mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/08574

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	<0.002	-						mg/kg	0.002	A-T-004s
PCB BZ $52_A^{M\#}$	<0.002	-						mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	<0.004	-						mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	<0.007	-						mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	<0.006	-						mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	<0.004	-						mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	<0.004	-						mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	<0.007	-						mg/kg	0.002	A-T-004s

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Envirolab Job Number: 19/08574 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected	-								A-T-052s
Hexachlorobenzene$_A$	<100	-						µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-						µg/kg	100	A-T-052s
Carbazole$_A$	<100	-						µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-						µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-						µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	-						µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-						µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-						µg/kg	100	A-T-052s
Phenol$_A$	<100	-						µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-						µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-						µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-						µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-						µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-						µg/kg	100	A-T-052s
Isophorone$_A$	<100	-						µg/kg	100	A-T-052s

Envirolab Job Number: 19/08574

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
Hexachloroethane$_A$	<100	-						µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100	-						µg/kg	100	A-T-052s
Perylene$_A$	<100	-						µg/kg	100	A-T-052s

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Envirolab Job Number: 19/08574 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1	-						µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-						µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-						µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-						µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-						µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10	-						µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3	-						µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s

Envirolab Job Number: 19/08574

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
Chlorobenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	-						µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	-						µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	-						µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	-						µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	-						µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	-						µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	-						µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detect	-								A-T-006s

Envirolab Job Number: 19/08574

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08574/3	19/08574/6						Units	Limit of Detection	Method ref
Client Sample No	ES2	ES4								
Client Sample ID	DCBH2019_3	DCBH2019_3								
Depth to Top	0.30	1.00								
Depth To Bottom										
Date Sampled	10-Sep-19	10-Sep-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	4								
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1						mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C21-C35$_A$	2	39						mg/kg	1	A-T-055s
Total Aliphatics$_A$	2	39						mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	1	2						mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1						mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	2						mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	5	9						mg/kg	1	A-T-055s
Total Aromatics$_A$	6	13						mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	8	53						mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/08574

Date Received: 13/09/2019 (am)

Cool Box Temperatures (°C): 14.2

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
Deviation Code		
	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
	✓	✓

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 23/12345
Issue Number: 1 **Date:** 15 December 2023

Client: Mr Client Name
Client Address
Client Address
Client Address
Client Address
Client Address
Client Address

Project Manager: Mr Project Manager
Project Name: Project Name
Project Ref: 12345
Order No: PO 1234
Date Samples Received: 14/12/2023
Date Instructions Received: 14/12/2023
Date Analysis Completed: 15/12/2023

Prepared by: [redacted]

Approved by: [redacted]

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Envirolab Job Number: 19/08671

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
% Stones >10mm$_A$	2.2							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.64							pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	1.01							mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	380							mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2							mg/kg	0.2	A-T-050s
Sulphide$_A$	<5							mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	2.4							% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.09							% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0009							N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	35							mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	6							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Iron$_D$	13600							mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	4							mg/kg	1	A-T-024s
Mercury$_D$	<0.17							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	4							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	19							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	15							mg/kg	5	A-T-024s
Ali >C5-C6$_A$$^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$$^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Ali >C10-C12$_A$$^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C12-C16$_A$$^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C16-C21$_A$$^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C21-C35$_A$	1							mg/kg	1	A-T-055s
Total Aliphatics$_A$	1							mg/kg	1	A-T-055s
Aro >C5-C7$_A$$^{\#}$	<0.01							mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/08671 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
Aro >C7-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1							mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	1							mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	6							mg/kg	1	A-T-055s
Total Aromatics$_A$	7							mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	10							mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Acid Herbicides										
2,4,5-T$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
2,4-D$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPA$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPB$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_A$	<0.5							mg/kg	0.5	Subcon Chemtest

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Envirolab Job Number: 19/08671 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A									A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_A$	<0.01							mg/kg	0.01	A-T-056
Tecnazene$_A$	<0.01							mg/kg	0.01	A-T-056
Trifluralin$_A$	<0.01							mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_A$	<0.01							mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_A$	<0.01							mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_A$	<0.01							mg/kg	0.01	A-T-056
Quintozene (PCNB)$_A$	<0.01							mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorothalonil$_A$	<0.01							mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_A$	<0.01							mg/kg	0.01	A-T-056
Triallate$_A$	<0.01							mg/kg	0.01	A-T-056
Heptachlor$_A$	<0.01							mg/kg	0.01	A-T-056
Aldrin$_A$	<0.01							mg/kg	0.01	A-T-056
Triadimefon$_A$	<0.01							mg/kg	0.01	A-T-056
Telodrin$_A$	<0.01							mg/kg	0.01	A-T-056
Isodrin$_A$	<0.01							mg/kg	0.01	A-T-056
Pendimethalin$_A$	<0.01							mg/kg	0.01	A-T-056
Heptachlor epoxide$_A$	<0.01							mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_A$	<0.01							mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_A$	<0.01							mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_A$	<0.01							mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_A$	<0.01							mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_A$	<0.01							mg/kg	0.01	A-T-056
Dieldrin$_A$	<0.01							mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_A$	<0.01							mg/kg	0.01	A-T-056
Endrin$_A$	<0.01							mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_A$	<0.01							mg/kg	0.01	A-T-056

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
p,p-DDD (4,4)$_A$	<0.01							mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01							mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01							mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01							mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01							mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01							mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01							mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01							mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01							mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01							mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01							mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01							mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50							mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50							mg/kg	0.5	A-T-056
Phorate$_A$	<0.01							mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01							mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01							mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01							mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10							mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01							mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01							mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01							mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.01							mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01							mg/kg	0.01	A-T-056
Malathion$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01							mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01							mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	<0.01							mg/kg	0.01	A-T-056
Ethion$_A$	<0.01							mg/kg	0.01	A-T-056
Triazophos$_A$	<0.01							mg/kg	0.01	A-T-056

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Envirolab Job Number: 19/08671 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
Sulprofos$_A$	<0.01							mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01							mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01							mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.01							mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01							mg/kg	0.01	A-T-056

Envirolab Job Number: 19/08671

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08							mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/08671

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	**19/08671/3**							**Units**	**Limit of Detection**	**Method ref**
Client Sample No	**WAC2+103**									
Client Sample ID	**SD2019_3**									
Depth to Top	**0.50**									
Depth To Bottom										
Date Sampled	**12-Sep-19**									
Sample Type	**Soil - ES**									
Sample Matrix Code	**4AE**									
Speciated PCB-EC7										
PCB BZ 28$_A^{M\#}$	**<0.002**							**mg/kg**	**0.002**	**A-T-004s**
PCB BZ 52$_A^{M\#}$	**<0.002**							**mg/kg**	**0.002**	**A-T-004s**
PCB BZ 101$_A^{M\#}$	**<0.004**							**mg/kg**	**0.004**	**A-T-004s**
PCB BZ 118$_A^{M\#}$	**<0.007**							**mg/kg**	**0.007**	**A-T-004s**
PCB BZ 138$_A^{M\#}$	**<0.006**							**mg/kg**	**0.006**	**A-T-004s**
PCB BZ 153$_A^{M\#}$	**<0.004**							**mg/kg**	**0.004**	**A-T-004s**
PCB BZ 180$_A^{M\#}$	**<0.004**							**mg/kg**	**0.004**	**A-T-004s**
Total Speciated PCB-EC7$_A^{M\#}$	**<0.007**							**mg/kg**	**0.002**	**A-T-004s**

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Envirolab Job Number: 19/08671 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected									A-T-052s
Hexachlorobenzene$_A$	<100							µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100							µg/kg	100	A-T-052s
Carbazole$_A$	<100							µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500							µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100							µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100							µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100							µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100							µg/kg	100	A-T-052s
Phenol$_A$	<100							µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100							µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100							µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500							µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100							µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100							µg/kg	100	A-T-052s
Isophorone$_A$	<100							µg/kg	100	A-T-052s

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Envirolab Job Number: 19/08671 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
Hexachloroethane$_A$	<100							µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100							µg/kg	100	A-T-052s
Perylene$_A$	<100							µg/kg	100	A-T-052s

Envirolab Job Number: 19/08671

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
VOC+TICs										
Dichlorodifluoromethane$_A$	<1							µg/kg	1	A-T-006s
Chloromethane$_A$	<10							µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^{\#}$	<1							µg/kg	1	A-T-006s
Bromomethane$_A^{\#}$	<1							µg/kg	1	A-T-006s
Chloroethane$_A^{\#}$	<1							µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^{\#}$	<1							µg/kg	1	A-T-006s
Carbon Disulphide$_A^{\#}$	<1							µg/kg	1	A-T-006s
Dichloromethane$_A$	<5							µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^{\#}$	<1							µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^{\#}$	<1							µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^{\#}$	<1							µg/kg	1	A-T-006s
Bromochloromethane$_A^{\#}$	<5							µg/kg	5	A-T-006s
Chloroform$_A^{\#}$	<1							µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^{\#}$	<1							µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^{\#}$	<2							µg/kg	2	A-T-006s
Benzene$_A^{\#}$	<1							µg/kg	1	A-T-006s
Trichloroethene$_A^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^{\#}$	<1							µg/kg	1	A-T-006s
Dibromomethane$_A^{\#}$	<1							µg/kg	1	A-T-006s
Bromodichloromethane$_A^{\#}$	<10							µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^{\#}$	<1							µg/kg	1	A-T-006s
Toluene$_A^{\#}$	<1							µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^{\#}$	<1							µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^{\#}$	<1							µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^{\#}$	<1							µg/kg	1	A-T-006s
Tetrachloroethene$_A^{\#}$	<1							µg/kg	1	A-T-006s
Dibromochloromethane$_A^{\#}$	<3							µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^{\#}$	<1							µg/kg	1	A-T-006s

Envirolab Job Number: 19/08671 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08671/3							Units	Limit of Detection	Method ref
Client Sample No	WAC2+103									
Client Sample ID	SD2019_3									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	12-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
Chlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1							µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1							µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2							µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1							µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2							µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3							µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3							µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detected									A-T-006s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	19/08671
		Date Received:	17/09/2019 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	15.3
Clients Project No:	734318		

NO DEVIATIONS IDENTIFIED

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/08671/3				
				WAC2+103		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	8.64				
		N	N	0.55				
		N	N	0.22				
		N	N	2.4				
		N	N	0.09				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.020			
		N	N		0.080			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.005			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.040			
		N	N		<10			
		N	N		<1			
		N	N		<10			
		N	N		420			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by:

[redacted]

Approved by:

[redacted]

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Envirolab Job Number: 19/08674

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
% Stones >10mm$_A$	<0.1	0.8	<0.1	<0.1	7.0			% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.58	6.69	9.43	8.86	8.22			pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	26.7	76.7	1.16	1.10	2.99			mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	5400	7500	<200	<200	490			mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1	<1	<1	<1	<1			mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1			mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2			mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	130	13	26	16			mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	11.8	78.2	1.1	1.1	2.0			% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	4.07	41	0.08	0.07	0.36			% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0407	0.4097	0.0008	0.0007	0.0036			N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	8	11	<1	15	15			mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	7.2	51.0	<1.0	<1.0	<1.0			mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.2	<0.5	<0.5	<0.5	<0.5			mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	12	2	7	<1	2			mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	27	7	7	5	6			mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1			mg/kg	1	A-T-040s
Iron$_D$	29800	14100	13800	6450	10900			mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	16	3	4	2	5			mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17			mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	20	5	6	2	5			mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	1	<1	<1	<1	<1			mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	41	12	33	11	15			mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	60	11	25	10	18			mg/kg	5	A-T-024s
Ali >C5-C6$_A$$^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$$^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	<1	<1	<1			mg/kg	1	A-T-055s
Ali >C10-C12$_A$$^{M\#}$	-	-	<1	<1	<1			mg/kg	1	A-T-055s
Ali >C12-C16$_A$$^{M\#}$	-	-	<1	<1	<1			mg/kg	1	A-T-055s
Ali >C16-C21$_A$$^{M\#}$	-	-	<1	<1	<1			mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	-	3	<1	8			mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	3	<1	8			mg/kg	1	A-T-055s
Aro >C5-C7$_A$$^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/08674

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
Aro >C7-C8$_A^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	<1	<1	<1			mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	-	<1	<1	<1			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	<1	<1	<1			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	<1	<1	<1			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	<1	<1	5			mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	<1	<1	5			mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	-	-	3	<1	13			mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	-	*	*	-	-					A-T-001
pH (leachable)$_A^{\#}$	-	7.44	7.53	-	-			pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	-	7.850	<0.026	-	-			mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	-	6.09	<0.02	-	-			mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	-	<0.1	0.4	-	-			mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	-	251.60	<1.00	-	-			mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	-	<0.005	<0.005	-	-			mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	-	<0.005	<0.005	-	-			mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	-	<0.1	<0.1	-	-			mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	-	8	<1	-	-			µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	-	1120	<10	-	-			µg/l	10	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	<1	<1	-	-			µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	1	<1	-	-			µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	<1	<1	-	-			µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	<0.05	<0.05	-	-			mg/l	0.05	A-T-040w
Iron (leachable)$_A^{\#}$	-	<10	13	-	-			µg/l	10	A-T-025w
Lead (leachable)$_A^{\#}$	-	<1	<1	-	-			µg/l	1	A-T-025w
Manganese (leachable)$_A^{\#}$	-	175	1	-	-			µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	-	<0.1	<0.1	-	-			µg/l	0.1	A-T-025w

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
Nickel (leachable)$_{A}^{\#}$	-	<1	<1	-	-			µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	-	<1	<1	-	-			µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	-	<1	<1	-	-			µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	-	167	2	-	-			µg/l	1	A-T-025w
Calcium (leachable)$_{A}$	-	124	3	-	-			mg/l	1	A-T-049w
Acid Herbicides										
2,4,5-T$_{A}$	-	-	<0.5	-	<0.5			mg/kg	0.5	Subcon Chemtest
2,4-D$_{A}$	-	-	<0.5	-	<0.5			mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_{A}$	-	-	<0.5	-	<0.5			mg/kg	0.5	Subcon Chemtest
MCPA$_{A}$	-	-	<0.5	-	<0.5			mg/kg	0.5	Subcon Chemtest
MCPB$_{A}$	-	-	<0.5	-	<0.5			mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_{A}$	-	-	<0.5	-	<0.5			mg/kg	0.5	Subcon Chemtest

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Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A					A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Tecnazene$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Trifluralin$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Quintozene (PCNB)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Chlorothalonil$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Triallate$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Heptachlor$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Aldrin$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Triadimefon$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Telodrin$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Isodrin$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Pendimethalin$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Heptachlor epoxide$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Dieldrin$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Endrin$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_{A}$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056

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Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
p,p-DDD (4,4)$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Endrin Ketone$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Dichlorvos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Mevinphos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Demeton-S$_A$	-	-	<0.50	-	<0.50			mg/kg	0.5	A-T-056
Demeton-O$_A$	-	-	<0.50	-	<0.50			mg/kg	0.5	A-T-056
Phorate$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Dimethoate$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Propetamphos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Disulfoton$_A$	-	-	<0.10	-	<0.10			mg/kg	0.1	A-T-056
Etrimphos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Methyl Parathion$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Fenitrothion$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Fensulphothion$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Fenthion$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Malathion$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Trichloronate$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Ethion$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Triazophos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056

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Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
Sulprofos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Carbophenothion$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Phosalone$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056
Coumaphos$_A$	-	-	<0.01	-	<0.01			mg/kg	0.01	A-T-056

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Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	<0.02			mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04			mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07			mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	<0.06	<0.06	<0.06			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04			mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	<0.08			mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03			mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03			mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.12	<0.03	<0.03	<0.03	<0.03			mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07			mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	0.12	<0.08	<0.08	<0.08	<0.08			mg/kg	0.01	A-T-019s

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Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	<0.02	-	-	-			µg/l	0.02	A-T-019w

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Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	-	-	<0.002	-	<0.002			mg/kg	0.002	A-T-004s
PCB BZ $52_A^{M\#}$	-	-	<0.002	-	<0.002			mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	-	-	<0.004	-	<0.004			mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	-	-	<0.007	-	<0.007			mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	-	-	<0.006	-	<0.006			mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	-	-	<0.004	-	<0.004			mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	-	-	<0.004	-	<0.004			mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	-	-	<0.007	-	<0.007			mg/kg	0.002	A-T-004s

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Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	-	-	None detected	-	None detected					A-T-052s
Hexachlorobenzene$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Carbazole$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	<500	-	<500			µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Phenol$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	<500	-	<500			µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Isophorone$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s

Envirolab Job Number: 19/08674

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
Hexachloroethane$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s
Perylene$_A$	-	-	<100	-	<100			µg/kg	100	A-T-052s

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Envirolab Job Number: 19/08674 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
VOC+TICs										
Dichlorodifluoromethane$_A$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Chloromethane$_A$	-	-	<10	-	<10			µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Bromomethane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Chloroethane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Carbon Disulphide$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Dichloromethane$_A$	-	-	<5	-	<5			µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Bromochloromethane$_A^{\#}$	-	-	<5	-	<5			µg/kg	5	A-T-006s
Chloroform$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^{\#}$	-	-	<2	-	<2			µg/kg	2	A-T-006s
Benzene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Trichloroethene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Dibromomethane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Bromodichloromethane$_A^{\#}$	-	-	*<10*	-	*<10*			µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Toluene$_A^{\#}$	-	-	<4	-	<4			µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Tetrachloroethene$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Dibromochloromethane$_A^{\#}$	-	-	*<3*	-	*<3*			µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^{\#}$	-	-	<1	-	<1			µg/kg	1	A-T-006s

Envirolab Job Number: 19/08674

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08674/3	19/08674/5	19/08674/8	19/08674/10	19/08674/12			Units	Limit of Detection	Method ref
Client Sample No	107+WAC6	109+WAC8	102+WAC2	104+WAC4						
Client Sample ID	SD2019_4	SD2019_4	DCBH2019_6	DCBH2019_6	DCBH2019_7					
Depth to Top	3.75	7.90	0.30	1.00	0.30					
Depth To Bottom										
Date Sampled	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19	14-Sep-19					
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES					
Sample Matrix Code	5AE	4A	7	4	4AE					
Chlorobenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	-	-	<3	-	<3			µg/kg	1	A-T-006s
o-Xylene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Styrene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Bromoform$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	-	-	<2	-	<2			µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	-	-	*<1*	-	*<1*			µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	-	<2	-	<2			µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	-	-	<3	-	<3			µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	-	-	<1	-	<1			µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	-	-	<3	-	<3			µg/kg	3	A-T-006s
VOC TICs$_A$	-	-	None detected	-	None detected					A-T-006s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/08674

Date Received: 17/09/2019 (am)

Cool Box Temperatures (°C): 13.0, 13.1, 13.0, 13.1

Lab Sample ID					
Client Sample No					
Client Sample ID/Depth					
Date Sampled					
Deviation Code					
	✓	✓	✓	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID					
Client Sample No					
Client Sample ID/Depth					
Date Sampled					
	✓	✓			
	✓	✓			
	✓	✓	✓	✓	✓

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Final Test Report

D

Notes - Soil analysis

Notes - General

Predominant Matrix Codes:

Secondary Matrix Codes





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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/08674/8				
				102+WAC2		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
				D				
Solid Waste Analysis								
	A	N	N	9.43				
A	A	N	N	0.1				
A	A	N	N	0.01				
	A	N	N	1.1				
	A	N	N	0.08				
A	A	N	N	<0.08				
	A	N	N	<10				
	A	N	N	<0.007				
	A	N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Ar	A	N	N		<0.01			
	A	N	N		0.020			
	A	N	N		<0.01			
	A	N	N		<0.01			
	A	N	N		<0.01			
M	A	N	N		<0.005			
M	A	N	N		<0.01			
	A	N	N		<0.01			
	A	N	N		<0.01			
A	A	N	N		<0.01			
	A	N	N		<0.01			
	A	N	N		0.020			
	A	N	N		<10			
	A	N	N		<1			
	A	N	N		<10			
D	A	N	N		<200			
	A	N	N		<0.1			
D	A	N	N		<200			
Leach Test Information								
	A	N	N					
	A	N	N					
M								
Dr M	A	N	N					

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:

Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

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Envirolab Job Number: 19/08676

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
% Stones >10mm$_A$	12.3							% w/w	0.1	A-T-044
pH$_D$[M#]	8.72							pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	1.36							mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$[M#]	250							mg/kg	200	A-T-028s
Cyanide (free)$_A$[M#]	<1							mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$[M#]	<1							mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2							mg/kg	0.2	A-T-050s
Sulphide$_A$	<5							mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$[M#]	1.9							% w/w	0.6	A-T-030s
Total Organic Carbon$_D$[M#]	0.09							% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$[#]	0.0009							N/A	0.0003	A-T-032 FOC
Arsenic$_D$[M#]	8							mg/kg	1	A-T-024s
Boron (water soluble)$_D$[M#]	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$[M#]	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$[M#]	5							mg/kg	1	A-T-024s
Chromium$_D$[M#]	4							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Iron$_D$	7660							mg/kg	50	A-T-024s
Lead$_D$[M#]	27							mg/kg	1	A-T-024s
Mercury$_D$	<0.17							mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	4							mg/kg	1	A-T-024s
Selenium$_D$[M#]	<1							mg/kg	1	A-T-024s
Vanadium$_D$[M#]	15							mg/kg	1	A-T-024s
Zinc$_D$[M#]	11							mg/kg	5	A-T-024s
Ali >C5-C6$_A$[#]	<0.01							mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$[#]	<0.01							mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Ali >C10-C12$_A$[M#]	<1							mg/kg	1	A-T-055s
Ali >C12-C16$_A$[M#]	<1							mg/kg	1	A-T-055s
Ali >C16-C21$_A$[M#]	<1							mg/kg	1	A-T-055s
Ali >C21-C35$_A$	6							mg/kg	1	A-T-055s
Total Aliphatics$_A$	6							mg/kg	1	A-T-055s
Aro >C5-C7$_A$[#]	<0.01							mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/08676 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
Aro >C7-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1							mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	6							mg/kg	1	A-T-055s
Total Aromatics$_A$	6							mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	12							mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Acid Herbicides										
2,4,5-T$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
2,4-D$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPA$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPB$_A$	<0.5							mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_A$	<0.5							mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/08676

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A									A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_{A}$	<0.01							mg/kg	0.01	A-T-056
Tecnazene$_{A}$	<0.01							mg/kg	0.01	A-T-056
Trifluralin$_{A}$	<0.01							mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_{A}$	<0.01							mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Quintozene (PCNB)$_{A}$	<0.01							mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Chlorothalonil$_{A}$	<0.01							mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Triallate$_{A}$	<0.01							mg/kg	0.01	A-T-056
Heptachlor$_{A}$	<0.01							mg/kg	0.01	A-T-056
Aldrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Triadimefon$_{A}$	<0.01							mg/kg	0.01	A-T-056
Telodrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Isodrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Pendimethalin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Heptachlor epoxide$_{A}$	<0.01							mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_{A}$	<0.01							mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_{A}$	<0.01							mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_{A}$	<0.01							mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Dieldrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_{A}$	<0.01							mg/kg	0.01	A-T-056
Endrin$_{A}$	<0.01							mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_{A}$	<0.01							mg/kg	0.01	A-T-056

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
p,p-DDD (4,4)$_A$	<0.01							mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01							mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01							mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01							mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01							mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01							mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01							mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01							mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01							mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01							mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01							mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01							mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50							mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50							mg/kg	0.5	A-T-056
Phorate$_A$	<0.01							mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01							mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01							mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01							mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10							mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01							mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01							mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01							mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.01							mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01							mg/kg	0.01	A-T-056
Malathion$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01							mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01							mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01							mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	<0.01							mg/kg	0.01	A-T-056
Ethion$_A$	<0.01							mg/kg	0.01	A-T-056
Triazophos$_A$	<0.01							mg/kg	0.01	A-T-056

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Envirolab Job Number: 19/08676 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
Sulprofos$_A$	<0.01							mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01							mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01							mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.01							mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.01							mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01							mg/kg	0.01	A-T-056

Envirolab Job Number: 19/08676

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	<0.08							mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/08676

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	**19/08676/4**							**Units**	**Limit of Detection**	**Method ref**
Client Sample No	**103**									
Client Sample ID	**SD2019_4**									
Depth to Top	**0.50**									
Depth To Bottom										
Date Sampled	**13-Sep-19**									
Sample Type	**Soil - ES**									
Sample Matrix Code	**4A**									
Speciated PCB-EC7										
PCB BZ 28$_A^{M\#}$	**<0.002**							**mg/kg**	**0.002**	**A-T-004s**
PCB BZ 52$_A^{M\#}$	**<0.002**							**mg/kg**	**0.002**	**A-T-004s**
PCB BZ 101$_A^{M\#}$	**<0.004**							**mg/kg**	**0.004**	**A-T-004s**
PCB BZ 118$_A^{M\#}$	**<0.007**							**mg/kg**	**0.007**	**A-T-004s**
PCB BZ 138$_A^{M\#}$	**<0.006**							**mg/kg**	**0.006**	**A-T-004s**
PCB BZ 153$_A^{M\#}$	**<0.004**							**mg/kg**	**0.004**	**A-T-004s**
PCB BZ 180$_A^{M\#}$	**<0.004**							**mg/kg**	**0.004**	**A-T-004s**
Total Speciated PCB-EC7$_A^{M\#}$	**<0.007**							**mg/kg**	**0.002**	**A-T-004s**

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Envirolab Job Number: 19/08676 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected									A-T-052s
Hexachlorobenzene$_A$	<100							µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100							µg/kg	100	A-T-052s
Carbazole$_A$	<100							µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500							µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100							µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100							µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100							µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100							µg/kg	100	A-T-052s
Phenol$_A$	<100							µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100							µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100							µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500							µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100							µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100							µg/kg	100	A-T-052s
Isophorone$_A$	<100							µg/kg	100	A-T-052s

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
Hexachloroethane$_A$	<100							µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100							µg/kg	100	A-T-052s
Perylene$_A$	<100							µg/kg	100	A-T-052s

Envirolab Job Number: 19/08676

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1							µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10							µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5							µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5							µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2							µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10							µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3							µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s

Envirolab Job Number: 19/08676

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08676/4							Units	Limit of Detection	Method ref
Client Sample No	103									
Client Sample ID	SD2019_4									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	13-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
Chlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1							µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1							µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2							µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1							µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2							µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3							µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3							µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detected									A-T-006s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A”

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	19/08676
		Date Received:	17/09/2019 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	14.0
Clients Project No:	734318		

NO DEVIATIONS IDENTIFIED

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 23/12345
Issue Number: 1 **Date:** 15th December 2023

Client: Mr Test Client
Test Client Ltd
Test Client Ltd
Test Client Ltd
Test Client
Test Client
Test Client

Project Manager: Mr Test Project Manager
Project Name: Test Project Name
Project Ref: 12345
Order No: PO 1234
Date Samples Received: 15/12/2023
Date Instructions Received: 15/12/2023
Date Analysis Completed: 22/12/2023

Prepared by: [redacted]

Approved by: [redacted]

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Envirolab Job Number: 19/08723

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
% Stones >10mm$_A$	4.0	0.6	-	-	-	-	-	% w/w	0.1	A-T-044
pH$_D$[M#]	8.32	8.24	-	-	-	-	-	pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	2.04	2.62	-	-	-	-	-	mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$[M#]	260	780	-	-	-	-	-	mg/kg	200	A-T-028s
Cyanide (free)$_A$[M#]	<1	<1	-	-	-	-	-	mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$[M#]	<1	<1	-	-	-	-	-	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	-	-	-	-	-	mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	24	-	-	-	-	-	mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$[M#]	1.6	1.8	-	-	-	-	-	% w/w	0.6	A-T-030s
Total Organic Carbon$_D$[M#]	0.34	0.34	-	-	-	-	-	% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$[#]	0.0034	0.0034	-	-	-	-	-	N/A	0.0003	A-T-032 FOC
Arsenic$_D$[M#]	13	21	-	-	-	-	-	mg/kg	1	A-T-024s
Boron (water soluble)$_D$[M#]	<1.0	1.5	-	-	-	-	-	mg/kg	1	A-T-027s
Cadmium$_D$[M#]	<0.5	<0.5	-	-	-	-	-	mg/kg	0.5	A-T-024s
Copper$_D$[M#]	<1	2	-	-	-	-	-	mg/kg	1	A-T-024s
Chromium$_D$[M#]	9	8	-	-	-	-	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-040s
Iron$_D$	15600	17000	-	-	-	-	-	mg/kg	50	A-T-024s
Lead$_D$[M#]	6	6	-	-	-	-	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	-	-	-	-	-	mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	5	6	-	-	-	-	-	mg/kg	1	A-T-024s
Selenium$_D$[M#]	<1	<1	-	-	-	-	-	mg/kg	1	A-T-024s
Vanadium$_D$[M#]	21	21	-	-	-	-	-	mg/kg	1	A-T-024s
Zinc$_D$[M#]	17	20	-	-	-	-	-	mg/kg	5	A-T-024s
Ali >C5-C6$_A$[#]	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$[#]	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A$[M#]	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A$[M#]	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A$[M#]	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	2	-	-	-	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	2	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A$[#]	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/08723

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
Aro >C7-C8$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	4	-	-	-	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	4	-	-	-	-	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	6	-	-	-	-	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*	-	-	-	-	-	-			A-T-001
pH (leachable)$_A^{\#}$	7.60	-	-	-	-	-	-	pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	<0.026	-	-	-	-	-	-	mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	<0.02	-	-	-	-	-	-	mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	0.5	-	-	-	-	-	-	mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	24.88	-	-	-	-	-	-	mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005	-	-	-	-	-	-	mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	0.082	-	-	-	-	-	-	mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	<0.1	-	-	-	-	-	-	mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	3	-	-	-	-	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	35	-	-	-	-	-	-	µg/l	10	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1	-	-	-	-	-	-	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	<1	-	-	-	-	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	<1	-	-	-	-	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.05	-	-	-	-	-	-	mg/l	0.05	A-T-040w
Iron (leachable)$_A^{\#}$	61	-	-	-	-	-	-	µg/l	10	A-T-025w
Lead (leachable)$_A^{\#}$	<1	-	-	-	-	-	-	µg/l	1	A-T-025w
Manganese (leachable)$_A^{\#}$	2	-	-	-	-	-	-	µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	<0.1	-	-	-	-	-	-	µg/l	0.1	A-T-025w

Envirolab Job Number: 19/08723 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
Nickel (leachable)$_A^\#$	1	-	-	-	-	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_A^\#$	<1	-	-	-	-	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_A^\#$	2	-	-	-	-	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_A^\#$	3	-	-	-	-	-	-	µg/l	1	A-T-025w
Calcium (leachable)$_A$	15	-	-	-	-	-	-	mg/l	1	A-T-049w
Acid Herbicides										
2,4,5-T$_A$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
2,4-D$_A$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_A$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
MCPA$_A$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
MCPB$_A$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_A$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/08723 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Tecnazene$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Trifluralin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Quintozene (PCNB)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorothalonil$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triallate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Heptachlor$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Aldrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triadimefon$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Telodrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Isodrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Pendimethalin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Heptachlor epoxide$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dieldrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
p,p-DDD (4,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50	-	-	-	-	-	-	mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50	-	-	-	-	-	-	mg/kg	0.5	A-T-056
Phorate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10	-	-	-	-	-	-	mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Malathion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Ethion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triazophos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

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Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
Sulprofos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 19/08723

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	-	-	-	-	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	-	-	-	-	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	-	-	-	-	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	-	-	-	-	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	-	-	-	-	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	-	-	-	-	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	-	-	-	-	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	-	-	-	-	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	-	-	-	-	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	-	-	-	-	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	-	-	-	-	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	-	-	-	-	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	-	-	-	-	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	-	-	-	-	-	mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/08723

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	<0.002	-	-	-	-	-	-	mg/kg	0.002	A-T-004s
PCB BZ $52_A^{M\#}$	<0.002	-	-	-	-	-	-	mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	<0.004	-	-	-	-	-	-	mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	<0.007	-	-	-	-	-	-	mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	<0.006	-	-	-	-	-	-	mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	<0.004	-	-	-	-	-	-	mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	<0.004	-	-	-	-	-	-	mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	<0.007	-	-	-	-	-	-	mg/kg	0.002	A-T-004s

Envirolab Job Number: 19/08723

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected	-	-	-	-	-	-			A-T-052s
Hexachlorobenzene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-	-	-	-	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Phenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-	-	-	-	-	-	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 19/08723

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
Hexachloroethane$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Perylene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s

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Envirolab Job Number: 19/08723

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-	-	-	-	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-	-	-	-	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-	-	-	-	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	*<10*	-	-	-	-	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<2	-	-	-	-	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	*<3*	-	-	-	-	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s

Envirolab Job Number: 19/08723

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08723/2	19/08723/4	19/08723/5	19/08723/6	19/08723/7	19/08723/8	19/08723/9	Units	Limit of Detection	Method ref
Client Sample No	102	104+WAC2	101	101	101	102	103			
Client Sample ID	SD2019_5	SD2019_5	MGS_2019_H	MGS_2019_I	MGS_2019_K	MGS_2019_K	MGS_2019_K			
Depth to Top	0.30	1.00	0.30	0.30	0.10	1.20	4.50			
Depth To Bottom			1.40	1.10	0.50	1.40	5.00			
Date Sampled	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19	16-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	4A	4AE	4AE	4A	4A			
Chlorobenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	<2	-	-	-	-	-	-	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Styrene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromoform$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<3	-	-	-	-	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<3	-	-	-	-	-	-	µg/kg	3	A-T-006s
VOC TICs$_A$	None detected	-	-	-	-	-	-			A-T-006s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscr

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/08723

Date Received: 18/09/2019 (am)

Cool Box Temperatures (°C): 12.6

Lab Sample ID		
Client Sample No		A
Client Sample ID/Depth	D	D
Date Sampled		
Deviation Code		
	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID		
Client Sample No		A
Client Sample ID/Depth	D	D
Date Sampled		
	✓	✓

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M R d d AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager: M Add
Project Name:
Project Ref:
Order No: A
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**





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Envirolab Job Number: 19/08831

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08831/1									
Client Sample No	113									
Client Sample ID	DCBH2019_6									
Depth to Top	18.20									
Depth To Bottom										
Date Sampled	19-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	1									
% Stones >10mm$_A$	<0.1								% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.82								pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	<0.26								mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	590								mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	4								mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	44								mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2								mg/kg	0.2	A-T-050s
Sulphide$_A$	36								mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	3.3								% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	1.33								% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0133								N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	3								mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0								mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5								mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1								mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	8								mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1								mg/kg	1	A-T-040s
Iron$_D$	7540								mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	4								mg/kg	1	A-T-024s
Mercury$_D$	<0.17								mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	4								mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1								mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	30								mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	13								mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*										A-T-001
pH (leachable)$_A$$^{\#}$	7.20								pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	<0.026								mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	<0.02								mg/l	0.02	A-T-033w
Nitrate (leachable)$_A$$^{\#}$	<0.1								mg/l	0.1	A-T-026w
Sulphate (leachable)$_A$$^{\#}$	20.83								mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005								mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005								mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	<0.1								mg/l	0.1	A-T-S2-w

Envirolab Job Number: 19/08831 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/08831/1							Units	Limit of Detection	Method ref
Client Sample No	113									
Client Sample ID	DCBH2019_6									
Depth to Top	18.20									
Depth To Bottom										
Date Sampled	19-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	1									
Arsenic (leachable)$_A^{\#}$	2							µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	15							µg/l	10	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.05							mg/l	0.05	A-T-040w
Iron (leachable)$_A^{\#}$	37							µg/l	10	A-T-025w
Lead (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Manganese (leachable)$_A^{\#}$	26							µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	<0.1							µg/l	0.1	A-T-025w
Nickel (leachable)$_A^{\#}$	6							µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	<1							µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	10							µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	3							µg/l	1	A-T-025w
Calcium (leachable)$_A$	19							mg/l	1	A-T-049w

Envirolab Job Number: 19/08831

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08831/1							Units	Limit of Detection	Method ref
Client Sample No	113									
Client Sample ID	DCBH2019_6									
Depth to Top	18.20									
Depth To Bottom										
Date Sampled	19-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	1									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A									A-T-045

Envirolab Job Number: 19/08831

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08831/1							Units	Limit of Detection	Method ref
Client Sample No	113									
Client Sample ID	DCBH2019_6									
Depth to Top	18.20									
Depth To Bottom										
Date Sampled	19-Sep-19									
Sample Type	Soil - ES									
Sample Matrix Code	1									
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08							mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	19/08831
		Date Received:	23/09/2019 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	17.1
Clients Project No:	734318		

NO DEVIATIONS IDENTIFIED

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: [redacted]

Approved by: [redacted]

Envirolab Job Number: 19/08854

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08854/4	19/08854/8	19/08854/10	19/08854/12	19/08854/13	19/08854/17		Units	Limit of Detection	Method ref
Client Sample No		111	105 + WAC5	107 + WAC7	108 + WAC8	112 + WAC12				
Client Sample ID	DCBH2019_6	DCBH2019_6	SD2019_3	SD2019_3	SD2019_3	SD2019_3				
Depth to Top	3.84	8.95	2.00	4.30	5.20	9.10				
Depth To Bottom										
Date Sampled	17-Sep-19	18-Sep-19	18-Sep-19	17-Sep-19	17-Sep-19	17-Sep-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	5A	4A	4AB	5AE	4A				
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	2.4	<0.1		% w/w	0.1	A-T-044
pH$_D$[M#]	8.28	7.73	8.39	7.74	6.72	7.78		pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	2.32	141	2.26	96.9	100	4.77		mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$[M#]	230	3200	<200	<200	4300	380		mg/kg	200	A-T-028s
Cyanide (free)$_A$[M#]	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$[M#]	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		mg/kg	0.2	A-T-050s
Sulphide$_A$	14	58	22	<5	87	140		mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$[M#]	3.0	22.6	<0.6	1.8	6.2	1.2		% w/w	0.6	A-T-030s
Total Organic Carbon$_D$[M#]	0.12	4.11	0.05	0.64	2.38	0.30		% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$[#]	0.0012	0.0411	0.0005	0.0064	0.0238	0.0030		N/A	0.0003	A-T-032 FOC
Arsenic$_D$[M#]	30	9	30	8	15	17		mg/kg	1	A-T-024s
Boron (water soluble)$_D$[M#]	<1.0	5.3	<1.0	<1.0	7.1	<1.0		mg/kg	1	A-T-027s
Cadmium$_D$[M#]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		mg/kg	0.5	A-T-024s
Copper$_D$[M#]	<1	9	<1	2	3	<1		mg/kg	1	A-T-024s
Chromium$_D$[M#]	6	44	7	6	22	5		mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-040s
Iron$_D$	15400	28500	15800	8090	19500	6230		mg/kg	50	A-T-024s
Lead$_D$[M#]	3	13	4	17	11	4		mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17		mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	4	27	5	4	15	2		mg/kg	1	A-T-024s
Selenium$_D$[M#]	<1	1	<1	<1	<1	<1		mg/kg	1	A-T-024s
Vanadium$_D$[M#]	20	81	20	14	44	17		mg/kg	1	A-T-024s
Zinc$_D$[M#]	16	60	18	24	35	6		mg/kg	5	A-T-024s
Ali >C5-C6$_A$[#]	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$[#]	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Ali >C10-C12$_A$[M#]	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Ali >C12-C16$_A$[M#]	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Ali >C16-C21$_A$[M#]	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Aro >C5-C7$_A$[#]	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/08854

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08854/4	19/08854/8	19/08854/10	19/08854/12	19/08854/13	19/08854/17		Units	Limit of Detection	Method ref
Client Sample No		111	105 + WAC5	107 + WAC7	108 + WAC8	112 + WAC12				
Client Sample ID	DCBH2019_6	DCBH2019_6	SD2019_3	SD2019_3	SD2019_3	SD2019_3				
Depth to Top	3.84	8.95	2.00	4.30	5.20	9.10				
Depth To Bottom										
Date Sampled	17-Sep-19	18-Sep-19	18-Sep-19	17-Sep-19	17-Sep-19	17-Sep-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	5A	4A	4AB	5AE	4A				
Aro >C7-C8$_A^{\#}$	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	<1	-	-	-		mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	2	-	-	-		mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	2	-	-	-		mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	-	-	2	-	-	-		mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	<0.01	-	-	-		mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	-	-	-	-	*	-				A-T-001
pH (leachable)$_A^{\#}$	-	-	-	-	7.51	-		pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	-	-	-	-	8.876	-		mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	-	-	-	-	6.88	-		mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	-	-	-	-	<0.1	-		mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	-	-	-	-	212.83	-		mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	-	-	-	-	<0.005	-		mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	-	-	-	-	<0.005	-		mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	-	-	-	-	<0.1	-		mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	-	-	-	-	2	-		µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	-	-	-	-	539	-		µg/l	10	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	-	-	-	<1	-		µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	-	-	-	<1	-		µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	-	-	-	<1	-		µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	-	-	-	<0.05	-		mg/l	0.05	A-T-040w
Iron (leachable)$_A^{\#}$	-	-	-	-	60	-		µg/l	10	A-T-025w
Lead (leachable)$_A^{\#}$	-	-	-	-	<1	-		µg/l	1	A-T-025w
Manganese (leachable)$_A^{\#}$	-	-	-	-	215	-		µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	-	-	-	-	<0.1	-		µg/l	0.1	A-T-025w

Envirolab Job Number: 19/08854

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08854/4	19/08854/8	19/08854/10	19/08854/12	19/08854/13	19/08854/17		Units	Limit of Detection	Method ref
Client Sample No		111	105 + WAC5	107 + WAC7	108 + WAC8	112 + WAC12				
Client Sample ID	DCBH2019_6	DCBH2019_6	SD2019_3	SD2019_3	SD2019_3	SD2019_3				
Depth to Top	3.84	8.95	2.00	4.30	5.20	9.10				
Depth To Bottom										
Date Sampled	17-Sep-19	18-Sep-19	18-Sep-19	17-Sep-19	17-Sep-19	17-Sep-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	5A	4A	4AB	5AE	4A				
Nickel (leachable)$_{A}^{\#}$	-	-	-	-	4	-		µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	-	-	-	-	<1	-		µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	-	-	-	-	1	-		µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	-	-	-	-	15	-		µg/l	1	A-T-025w
Calcium (leachable)$_{A}$	-	-	-	-	27	-		mg/l	1	A-T-049w

Envirolab Job Number: 19/08854

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08854/4	19/08854/8	19/08854/10	19/08854/12	19/08854/13	19/08854/17		Units	Limit of Detection	Method ref
Client Sample No		111	105 + WAC5	107 + WAC7	108 + WAC8	112 + WAC12				
Client Sample ID	DCBH2019_6	DCBH2019_6	SD2019_3	SD2019_3	SD2019_3	SD2019_3				
Depth to Top	3.84	8.95	2.00	4.30	5.20	9.10				
Depth To Bottom										
Date Sampled	17-Sep-19	18-Sep-19	18-Sep-19	17-Sep-19	17-Sep-19	17-Sep-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	5A	4A	4AB	5AE	4A				
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D$#	NAD	NAD	NAD	NAD	NAD	NAD				A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A				A-T-045

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Envirolab Job Number: 19/08854

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/08854/4	19/08854/8	19/08854/10	19/08854/12	19/08854/13	19/08854/17		Units	Limit of Detection	Method ref
Client Sample No		111	105 + WAC5	107 + WAC7	108 + WAC8	112 + WAC12				
Client Sample ID	DCBH2019_6	DCBH2019_6	SD2019_3	SD2019_3	SD2019_3	SD2019_3				
Depth to Top	3.84	8.95	2.00	4.30	5.20	9.10				
Depth To Bottom										
Date Sampled	17-Sep-19	18-Sep-19	18-Sep-19	17-Sep-19	17-Sep-19	17-Sep-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	5A	4A	4AB	5AE	4A				
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07		mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06		mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07		mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/08854

Date Received: 23/09/2019 (am)

Cool Box Temperatures (°C): 14.0, 13.4, 13.4

Lab Sample ID				
Client Sample No		A	A	A
Client Sample ID/Depth	D	D	D	D
Date Sampled				
Deviation Code				
	✓	✓	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID				
Client Sample No		A	A	A
Client Sample ID/Depth	D	D	D	D
Date Sampled				
	✓	✓	✓	✓

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

Envirolab Job Number: 19/09229

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
% Stones >10mm$_A$	<0.1	<0.1	18.3	<0.1	1.1	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D^{M\#}$	7.39	8.33	9.46	8.04	8.63	8.47	6.77	pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	67.4	1.81	2.63	30.6	6.06	10.6	178	mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D^{M\#}$	4400	330	<200	<200	<200	<200	2700	mg/kg	200	A-T-028s
Cyanide (free)$_A^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	<5	10	<5	10	12	51	mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D^{M\#}$	18.7	1.5	0.8	7.9	0.9	1.5	11.1	% w/w	0.6	A-T-030s
Total Organic Carbon$_D^{M\#}$	5.13	0.12	0.09	2.11	0.09	0.06	12	% w/w	0.03	A-T-032s
Fraction of organic carbon$_D^{\#}$	0.0513	0.0012	0.0009	0.0211	0.0009	0.0006	0.1202	N/A	0.0003	A-T-032 FOC
Arsenic$_D^{M\#}$	15	8	20	30	21	34	21	mg/kg	1	A-T-024s
Boron (water soluble)$_D^{M\#}$	7.9	<1.0	<1.0	6.9	<1.0	<1.0	7.1	mg/kg	1	A-T-027s
Cadmium$_D^{M\#}$	0.9	0.5	<0.5	0.7	<0.5	0.6	<0.5	mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	12	<1	<1	3	<1	<1	6	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	50	9	5	10	7	9	27	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Iron$_D$	32800	17900	13300	20500	13700	22200	14600	mg/kg	50	A-T-024s
Lead$_D^{M\#}$	16	5	2	7	5	5	101	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	34	6	3	7	5	7	16	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	92	31	12	24	22	27	47	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	72	12	11	23	16	23	33	mg/kg	5	A-T-024s
Ali >C5-C6$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	<1	-	<1	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	-	<1	-	<1	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	-	<1	-	<1	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	-	<1	-	<1	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	-	6	-	<1	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	6	-	<1	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/09229 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
Aro >C7-C8$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	<1	-	<1	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	-	<1	-	<1	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	<1	-	<1	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	<1	-	<1	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	2	-	<1	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	2	-	<1	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	-	-	8	-	<1	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	<0.01	-	<0.01	-	-	mg/kg	0.01	A-T-022s
Acid Herbicides										
2,4,5-T$_A$	-	-	-	-	<0.5	-	-	mg/kg	0.5	Subcon Chemtest
2,4-D$_A$	-	-	-	-	<0.5	-	-	mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_A$	-	-	-	-	<0.5	-	-	mg/kg	0.5	Subcon Chemtest
MCPA$_A$	-	-	-	-	<0.5	-	-	mg/kg	0.5	Subcon Chemtest
MCPB$_A$	-	-	-	-	<0.5	-	-	mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_A$	-	-	-	-	<0.5	-	-	mg/kg	0.5	Subcon Chemtest

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Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Tecnazene$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Trifluralin$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Quintozene (PCNB)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Chlorothalonil$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Triallate$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Heptachlor$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Aldrin$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Triadimefon$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Telodrin$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Isodrin$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Pendimethalin$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Heptachlor epoxide$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Dieldrin$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Endrin$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_{A}$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056

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Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
p,p-DDD (4,4)$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Endrin Ketone$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Dichlorvos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Mevinphos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Demeton-S$_A$	-	-	-	-	<0.50	-	-	mg/kg	0.5	A-T-056
Demeton-O$_A$	-	-	-	-	<0.50	-	-	mg/kg	0.5	A-T-056
Phorate$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Dimethoate$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Propetamphos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Disulfoton$_A$	-	-	-	-	<0.10	-	-	mg/kg	0.1	A-T-056
Etrimphos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Methyl Parathion$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Fenitrothion$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Fensulphothion$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Fenthion$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Malathion$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Trichloronate$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Ethion$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Triazophos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 19/09229 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
Sulprofos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Carbophenothion$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Phosalone$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056
Coumaphos$_A$	-	-	-	-	<0.01	-	-	mg/kg	0.01	A-T-056

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Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	mg/kg	0.01	A-T-019s

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Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
Speciated PCB-EC7										
PCB BZ 28_A M#	-	-	-	-	<0.002	-	-	mg/kg	0.002	A-T-004s
PCB BZ 52_A M#	-	-	-	-	<0.002	-	-	mg/kg	0.002	A-T-004s
PCB BZ 101_A M#	-	-	-	-	<0.004	-	-	mg/kg	0.004	A-T-004s
PCB BZ 118_A M#	-	-	-	-	<0.007	-	-	mg/kg	0.007	A-T-004s
PCB BZ 138_A M#	-	-	-	-	<0.006	-	-	mg/kg	0.006	A-T-004s
PCB BZ 153_A M#	-	-	-	-	<0.004	-	-	mg/kg	0.004	A-T-004s
PCB BZ 180_A M#	-	-	-	-	<0.004	-	-	mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7 $_A$ M#	-	-	-	-	<0.007	-	-	mg/kg	0.002	A-T-004s

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Envirolab Job Number: 19/09229 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	-	-	-	-	None detected	-	-			A-T-052s
Hexachlorobenzene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	-	-	<500	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Phenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	-	-	<500	-	-	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 19/09229

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
Hexachloroethane$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Perylene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 19/09229

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
VOC+TICs										
Dichlorodifluoromethane$_{A}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	-	<10	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	-	<5	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	-	<2	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	-	<10	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	-	-	-	<3	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s

Envirolab Job Number: 19/09229 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/09229/3	19/09229/7	19/09229/8	19/09229/12	19/09229/21	19/09229/25	19/09229/29	Units	Limit of Detection	Method ref
Client Sample No	7+WAC5	11	104+WAC3	108	101	103	WAC4			
Client Sample ID	DCBH2019_3	DCBH2019_3	DCBH2019_7	DCBH2019_7	SD2019_6	SD2019_6	SD2019_6			
Depth to Top	6.00	12.00	1.80	6.80	1.20	3.75	6.60			
Depth To Bottom										
Date Sampled	24-Sep-19	24-Sep-19	26-Sep-19	26-Sep-19	28-Sep-19	28-Sep-19	28-Sep-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	5AE	4A	4A	5A	4A	4A	5A			
Chlorobenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	-	-	-	<2	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	-	-	-	*<1*	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	-	-	-	*<1*	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	-	-	-	<2	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	-	-	-	*<3*	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	-	-	-	*<1*	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	-	-	-	*<3*	-	-	µg/kg	3	A-T-006s
VOC TICs$_{A}$	-	-	-	-	None detected	-	-			A-T-006s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/09229

Date Received: 02/10/2019 (am)

Cool Box Temperatures (°C): 11.2 - 16.0

Lab Sample ID			
Client Sample No			
Client Sample ID/Depth			
Date Sampled			
Deviation Code			
	✓	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID			
Client Sample No			
Client Sample ID/Depth			
Date Sampled			
	✓	✓	
			✓

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: [redacted]

Approved by: [redacted]

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Envirolab Job Number: 19/09533 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/09533/1	19/09533/7						Units	Limit of Detection	Method ref
Client Sample No	100	103								
Client Sample ID	SD2019_7	SD2019_7								
Depth to Top	0.1	1								
Depth To Bottom										
Date Sampled	01-Oct-19	01-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4A								
% Stones >10mm$_A$	<0.1	<0.1						% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.34	8.53						pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	2.19	1.61						mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200	<200						mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1	<1						mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	<1						mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2						mg/kg	0.2	A-T-050s
Sulphide$_A$	7	20						mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.2	0.9						% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.29	0.09						% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0029	0.0009						N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	30	16						mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	<1.0						mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	<0.5						mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1	<1						mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	5	5						mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1						mg/kg	1	A-T-040s
Iron$_D$	15100	11700						mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	77	3						mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17						mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	5	4						mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1						mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	19	14						mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	17	13						mg/kg	5	A-T-024s
Ali >C5-C6$_A$$^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$$^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-						mg/kg	1	A-T-055s
Ali >C10-C12$_A$$^{M\#}$	<1	-						mg/kg	1	A-T-055s
Ali >C12-C16$_A$$^{M\#}$	<1	-						mg/kg	1	A-T-055s
Ali >C16-C21$_A$$^{M\#}$	<1	-						mg/kg	1	A-T-055s
Ali >C21-C35$_A$	2	-						mg/kg	1	A-T-055s
Total Aliphatics$_A$	2	-						mg/kg	1	A-T-055s
Aro >C5-C7$_A$$^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/09533 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/09533/1	19/09533/7						Units	Limit of Detection	Method ref
Client Sample No	100	103								
Client Sample ID	SD2019_7	SD2019_7								
Depth to Top	0.1	1								
Depth To Bottom										
Date Sampled	01-Oct-19	01-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4A								
Aro >C7-C8$_{A}^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s
Aro >C8-C10$_{A}$	<1	-						mg/kg	1	A-T-055s
Aro >C10-C12$_{A}^{M\#}$	<1	-						mg/kg	1	A-T-055s
Aro >C12-C16$_{A}$	<1	-						mg/kg	1	A-T-055s
Aro >C16-C21$_{A}^{M\#}$	<1	-						mg/kg	1	A-T-055s
Aro >C21-C35$_{A}^{M\#}$	3	-						mg/kg	1	A-T-055s
Total Aromatics$_{A}$	3	-						mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_{A}$	6	-						mg/kg	1	A-T-055s
BTEX - Benzene$_{A}^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s
BTEX - Toluene$_{A}^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_{A}^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_{A}^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s
BTEX - o Xylene$_{A}^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s
MTBE$_{A}^{\#}$	<0.01	-						mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/09533

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/09533/1	19/09533/7						Units	Limit of Detection	Method ref
Client Sample No	100	103								
Client Sample ID	SD2019_7	SD2019_7								
Depth to Top	0.1	1								
Depth To Bottom										
Date Sampled	01-Oct-19	01-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4A								
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	NAD								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A								A-T-045

Envirolab Job Number: 19/09533

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/09533/1	19/09533/7						Units	Limit of Detection	Method ref
Client Sample No	100	103								
Client Sample ID	SD2019_7	SD2019_7								
Depth to Top	0.1	1								
Depth To Bottom										
Date Sampled	01-Oct-19	01-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4A								
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02						mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06						mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08						mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08						mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/09533

Date Received: 11/10/2019 (am)

Cool Box Temperatures (°C): 11.4

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
Deviation Code		
	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
	✓	✓

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M R d d AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager: M Add
Project Name:
Project Ref:
Order No: A
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

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Envirolab Job Number: 19/10259

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
% Stones >10mm$_A$	<0.1	<0.1						% w/w	0.1	A-T-044
pH$_D$	8.99	9.01						pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	1.68	0.32						mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D^{M\#}$	<200	<200						mg/kg	200	A-T-028s
Cyanide (free)$_A^{M\#}$	<1	<1						mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1						mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2						mg/kg	0.2	A-T-050s
Sulphide$_A$	34	<5						mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D^{M\#}$	2.4	0.8						% w/w	0.6	A-T-030s
Total Organic Carbon$_D^{M\#}$	0.45	0.05						% w/w	0.03	A-T-032s
Fraction of organic carbon$_D^{\#}$	0.0045	0.0005						N/A	0.0003	A-T-032 FOC
Arsenic$_D^{M\#}$	31	15						mg/kg	1	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	<1.0						mg/kg	1	A-T-027s
Cadmium$_D^{M\#}$	0.7	<0.5						mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	2	<1						mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	8	4						mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1						mg/kg	1	A-T-040s
Iron$_D$	13400	7450						mg/kg	50	A-T-024s
Lead$_D^{M\#}$	5	2						mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17						mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	4	2						mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1						mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	20	10						mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	21	10						mg/kg	5	A-T-024s
Ali >C5-C6$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1						mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C21-C35$_A$	18	<1						mg/kg	1	A-T-055s
Total Aliphatics$_A$	18	<1						mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s

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Envirolab Job Number: 19/10259 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
Aro >C7-C8$_{A}^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C8-C10$_{A}$	<1	<1						mg/kg	1	A-T-055s
Aro >C10-C12$_{A}^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Aro >C12-C16$_{A}$	<1	<1						mg/kg	1	A-T-055s
Aro >C16-C21$_{A}^{M\#}$	1	<1						mg/kg	1	A-T-055s
Aro >C21-C35$_{A}^{M\#}$	24	<1						mg/kg	1	A-T-055s
Total Aromatics$_{A}$	25	<1						mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_{A}$	42	<1						mg/kg	1	A-T-055s
BTEX - Benzene$_{A}^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Toluene$_{A}^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_{A}^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_{A}^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - o Xylene$_{A}^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
MTBE$_{A}^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_{A}$	*	-								A-T-001
pH (leachable)$_{A}^{\#}$	7.89	-						pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_{A}$	<0.026	-						mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_{A}$	<0.02	-						mg/l	0.02	A-T-033w
Nitrate (leachable)$_{A}^{\#}$	0.1	-						mg/l	0.1	A-T-026w
Sulphate (leachable)$_{A}^{\#}$	<1.00	-						mg/l	1	A-T-026w
Cyanide (free) (leachable)$_{A}$	<0.005	-						mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_{A}$	<0.005	-						mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_{A}$	<0.1	-						mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_{A}^{\#}$	2	-						µg/l	1	A-T-025w
Boron (leachable)$_{A}^{\#}$	<10	-						µg/l	10	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	<1	-						µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	<1	-						µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	<1	-						µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	<0.05	-						mg/l	0.05	A-T-040w
Iron (leachable)$_{A}^{\#}$	50	-						µg/l	10	A-T-025w
Lead (leachable)$_{A}^{\#}$	<1	-						µg/l	1	A-T-025w
Manganese (leachable)$_{A}^{\#}$	2	-						µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	<0.1	-						µg/l	0.1	A-T-025w

Envirolab Job Number: 19/10259 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
Nickel (leachable)$_{A}^{\#}$	<1	-						µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	<1	-						µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	<1	-						µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	4	-						µg/l	1	A-T-025w
Gamma Spec HR$_{A}$	Appended	-								Subcon Soco-Did
Gross Alpha + Gross Beta$_{A}^{\#}$	Appended	-							100	Subcon Soco-Did
Tritium (Total)$_{A}^{\#}$	Appended	-							50	Subcon Soco-Did
Carbon-14$_{A}$	Appended	-							50	Subcon Soco-Did
Calcium (leachable)$_{A}$	16	-						mg/l	1	A-T-049w
Acid Herbicides										
2,4,5-T$_{A}$	<0.5	-						mg/kg	0.5	Subcon Chemtest
2,4-D$_{A}$	<0.5	-						mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_{A}$	<0.5	-						mg/kg	0.5	Subcon Chemtest
MCPA$_{A}$	<0.5	-						mg/kg	0.5	Subcon Chemtest
MCPB$_{A}$	<0.5	-						mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_{A}$	<0.5	-						mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/10259

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	NAD								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A								A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Tecnazene$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Trifluralin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Quintozene (PCNB)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Chlorothalonil$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Triallate$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Heptachlor$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Aldrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Triadimefon$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Telodrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Isodrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Pendimethalin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Heptachlor epoxide$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Dieldrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Endrin$_{A}$	<0.01	-						mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_{A}$	<0.01	-						mg/kg	0.01	A-T-056

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
p,p-DDD (4,4)$_A$	<0.01	-						mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01	-						mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01	-						mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01	-						mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01	-						mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01	-						mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01	-						mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50	-						mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50	-						mg/kg	0.5	A-T-056
Phorate$_A$	<0.01	-						mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01	-						mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10	-						mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01	-						mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01	-						mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Malathion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01	-						mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	<0.01	-						mg/kg	0.01	A-T-056
Ethion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Triazophos$_A$	<0.01	-						mg/kg	0.01	A-T-056

Envirolab Job Number: 19/10259

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
Sulprofos$_A$	<0.01	-						mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01	-						mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01	-						mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.01	-						mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.01	-						mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01	-						mg/kg	0.01	A-T-056

Envirolab Job Number: 19/10259

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	<0.02	<0.02						mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	<0.06	<0.06						mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	<0.08	<0.08						mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	<0.03	<0.03						mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	<0.08	<0.08						mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/10259

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	<0.002	-						mg/kg	0.002	A-T-004s
PCB BZ $52_A^{M\#}$	<0.002	-						mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	<0.004	-						mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	<0.007	-						mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	<0.006	-						mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	<0.004	-						mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	<0.004	-						mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	<0.007	-						mg/kg	0.002	A-T-004s

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected	-								A-T-052s
Hexachlorobenzene$_A$	<100	-						µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-						µg/kg	100	A-T-052s
Carbazole$_A$	<100	-						µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-						µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-						µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<1000	-						µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-						µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-						µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-						µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-						µg/kg	100	A-T-052s
Phenol$_A$	<100	-						µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-						µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-						µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-						µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-						µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-						µg/kg	100	A-T-052s
Isophorone$_A$	<100	-						µg/kg	100	A-T-052s

Envirolab Job Number: 19/10259

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
Hexachloroethane$_A$	<100	-						µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100	-						µg/kg	100	A-T-052s
Perylene$_A$	<100	-						µg/kg	100	A-T-052s

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Envirolab Job Number: 19/10259 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1	-						µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-						µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-						µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-						µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-						µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10	-						µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3	-						µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1	-						µg/kg	1	A-T-006s

Envirolab Job Number: 19/10259 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10259/2	19/10259/4						Units	Limit of Detection	Method ref
Client Sample No	101 / WAC	103 / WAC								
Client Sample ID	DCBH2019_8	DCBH2019_8								
Depth to Top	0.20	0.80								
Depth To Bottom										
Date Sampled	23-Oct-19	23-Oct-19								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	4								
Chlorobenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	-						µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	<1	-						µg/kg	1	A-T-006s
o-Xylene$_A^\#$	<1	-						µg/kg	1	A-T-006s
Styrene$_A^\#$	<1	-						µg/kg	1	A-T-006s
Bromoform$_A^\#$	<1	-						µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<1	-						µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<1	-						µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<1	-						µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<1	-						µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<2	-						µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	<1	-						µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<1	-						µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<1	-						µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	-						µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	*<3*	-						µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<1	-						µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<3	-						µg/kg	3	A-T-006s
VOC TICs$_A$	None detected	-								A-T-006s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscr

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/10259

Date Received: 30/10/2019 (am)

Cool Box Temperatures (°C): 11.4

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
Deviation Code		
	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
	✓	✓

SOCOTEC

Analysis of a Soil Sample

Envirolab Ltd
Units 7 & 8
Sandpits Business Park
Mottram Road
Hyde
SK14 3AR

Testing Facility: SOCOTEC UK
Unit 12, Moorbrook
Southmead Industrial Park
Didcot
Oxfordshire
OX11 7HP

Laboratory Reference: 19-1004

Customer Reference: 19/10259

Quote Number: ENR-ANU-9581Rev1

PO Number: P0742276

Sample Received: 31 October 2019

Sample Condition: Satisfactory, Ambient

Analysis Completed: 25 November 2019

Report Auth [redacted]

Author's Name: Trevor Harding

Job Title: Senior Analyst

Approved By: [redacted]

Approver's Name: Charlene Hunston

Job Title: Team Leader

Report Date: 26 November 2019

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1252

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Sample Summary

Customer Reference	Laboratory Reference	Matrix	Sampling Date
19/10259/2, DCBH2019_8 0.20m	RX6089	Soil	23/10/2019 12:00

Experimental

Tritium

ANU/SOP/2094 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the hydrogen and tritium were converted to water vapour. These were then selectively trapped in a series of gas-bubblers containing dilute acid. Aliquots of known weight were then assessed for their tritium content by liquid scintillation counting. The tritium activity was corrected for the proportion of the bubbler trapping solution taken and for the weight of combusted sample.

Carbon-14

ANU/SOP/2103 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the carbon species were converted to carbon dioxide, which were then selectively trapped in a series of gas-bubblers containing a trapping medium. Aliquots of known weight were then assessed for their ^{14}C content by liquid scintillation counting. Hence the total recovered ^{14}C was calculated from the total weights of each respective trapping medium.

Gross Alpha/Beta

ANU/SOP/2005 – A portion of each sample was slurried in meths and then vacuum filtered onto glass fibre filter paper in a pre-calibrated geometry, to produce a source for counting. After air-drying, the sample was weighed, then counted on a Berthold LB770 low-level gas-flow proportional counter for an appropriate length of time.

Gamma Spectrometry

ANU/SOP/2029 – The measurement technique is based on the use of high purity germanium (HPGe) detectors coupled to an Ortec gamma ray spectroscopy system. The gamma ray spectra are stored on a computer and analysed using the software programme Fitzpeaks for photopeak identification and quantification. The detectors are calibrated for efficiency using a mixed radionuclide standard, which covers an energy range of approximately 30-2000 keV. The efficiency of gamma rays between 30 keV and 120 keV are determined on an individual basis.

Application of decay corrections for the naturally occurring daughter radionuclides of uranium and thorium assumes that the series daughter radionuclides are all in secular equilibrium and therefore decay with the half-life of the first radionuclide in the series." (^{226}Ra is not UKAS accredited)

Deviating Sample Disclaimer

The reported results are representative of the sample upon receipt. However,

E) Sample processing did not commence within the appropriate holding time (annotated with "†" in the tables below)

F) Sample processing did not commence within the appropriate handling time (annotated with "§" in the tables below)

Consequently the sample is considered deviating and the validity of the reported data may be compromised.

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Results

Results are presented in the following tables.

Any opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.

The results in this test report relate only to the items tested. This test report must not be reproduced except in full, without written approval of the laboratory.

Results Summary – Tritium and Carbon-14

Customer Reference	Laboratory Reference	H-3	C-14
19/010259/2, DCBH2019_8 0.20m	**RX6089†§**	<14	<13

Notes:
1. Results are presented as $Bq.kg^{-1}$ of sample as received and are decay corrected to the sampling date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.
3. † Sample processing did not commence within the appropriate holding time.
4. § Sample processing did not commence within the appropriate handling time.

Results Summary – Gross Alpha/Beta

Customer Reference	Laboratory Reference	Analysis Date	Gross Alpha as Pu-242	Gross Beta as Cs-137
19/010259/2, DCBH2019_8 0.20m	**RX6089**	12/11/2019	182 ± 75	440 ± 100

Notes:
1. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample, relative to the analysis date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.

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Results Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Be-7	K-40	Co-60	Cs-134	Cs-137	Tl-208	Pb-210	Bi-212	Pb-212
19/010259/2, DCBH2019_8 0.20m	RX6089	<9.5	253 ± 35	<1.4	<1.6	<1.3	4.8 ± 1.1	<24	<17	13.7 ± 2.0

Customer Reference	Laboratory Reference	Bi-214	Pb-214	Ra-224	Ra-226 *	Ac-228	Pa-234m	Th-234	U-235	Am-241
19/010259/2, DCBH2019_8 0.20m	RX6089	8.4 ± 2.2	9.9 ± 1.8	<25	<19	15.5 ± 3.3	<140	<24	<1.2	<2.1

Notes:

1. Analyses and/or samples marked with an asterisk are not covered under UKAS schedule 1252.
2. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample and are decay corrected to the sampling date.
3. For results below the Limit of Detection, the LoD is rounded up to 2 significant figures.
4. Results above the LoD are reported with expanded (2σ) uncertainties based on a total uncertainty budget.
5. Uncertainties are rounded to 2 significant figures; results are rounded to the same precision.
6. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the samples are assumed to be homogeneous.
7. ^{226}Ra has only one gamma ray at 186 keV and the major gamma ray from ^{235}U also occurs at 186 keV. ^{235}U can be measured by the lower abundance gamma ray at 144 keV and if a positive result for ^{235}U is reported, the ^{226}Ra result will be unreliable and overestimated. However even if ^{235}U is below the LoD there may still be a contribution to the ^{226}Ra from ^{235}U and the ^{226}Ra result may be unreliable and overestimated. If an accurate result for ^{226}Ra is required this is better obtained by radiochemical analysis.

- End of Report -

UKAS TESTING
1252

Analysis of a Soil Sample

Envirolab Ltd
Units 7 & 8
Sandpits Business Park
Mottram Road
Hyde
SK14 3AR

Testing Facility: SOCOTEC UK
Unit 12, Moorbrook
Southmead Industrial Park
Didcot
Oxfordshire
OX11 7HP

Laboratory Reference: 19-1031

Customer Reference: 19/10529

Quote Number: ENR-ANU-9581Rev1 & ENR-ANU-9873

PO Number: P0742338

Sample Received: 08 November 2019

Sample Condition: Satisfactory, Cold

Analysis Completed: 28 November 2019

Report Aut [redacted]

Author's Name: Carla Thompson

Job Title: Deputy Project Manager

Approved [redacted]

Approver's Name: Charlene Hunston

Job Title: Team Leader

Report Date: 28 November 2019

1252

Sample Summary

Customer Reference	Laboratory Reference	Matrix	Sampling Date
19/10529/2, SCBH2019_1 0.20m	RX6235	Soil	29/10/2019 12:00

Experimental

Tritium

ANU/SOP/2094 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the hydrogen and tritium were converted to water vapour. These were then selectively trapped in a series of gas-bubblers containing dilute acid. Aliquots of known weight were then assessed for their tritium content by liquid scintillation counting. The tritium activity was corrected for the proportion of the bubbler trapping solution taken and for the weight of combusted sample.

Carbon-14

ANU/SOP/2103 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the carbon species were converted to carbon dioxide, which were then selectively trapped in a series of gas-bubblers containing a trapping medium. Aliquots of known weight were then assessed for their ^{14}C content by liquid scintillation counting. Hence the total recovered ^{14}C was calculated from the total weights of each respective trapping medium.

Gross Alpha/Beta

ANU/SOP/2005 – A portion of each sample was slurried in meths and then vacuum filtered onto glass fibre filter paper in a pre-calibrated geometry, to produce a source for counting. After air-drying, the sample was weighed, then counted on a Berthold LB770 low-level gas-flow proportional counter for an appropriate length of time.

Gamma Spectrometry

ANU/SOP/2029 – The measurement technique is based on the use of high purity germanium (HPGe) detectors coupled to an Ortec gamma ray spectroscopy system. The gamma ray spectra are stored on a computer and analysed using the software programme Fitzpeaks for photopeak identification and quantification. The detectors are calibrated for efficiency using a mixed radionuclide standard, which covers an energy range of approximately 30-2000 keV. The efficiency of gamma rays between 30 keV and 120 keV are determined on an individual basis.

Application of decay corrections for the naturally occurring daughter radionuclides of uranium and thorium assumes that the series daughter radionuclides are all in secular equilibrium and therefore decay with the half-life of the first radionuclide in the series." (^{226}Ra is not UKAS accredited)

Deviating Sample Disclaimer

The reported results are representative of the sample upon receipt. However,

E) Sample processing did not commence within the appropriate holding time (annotated with "†" in the tables below)

Consequently the sample is considered deviating and the validity of the reported data may be compromised.

Results

Results are presented in the following tables.

Any opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.

The results in this test report relate only to the items tested. This test report must not be reproduced except in full, without written approval of the laboratory.

Results Summary – Tritium and Carbon-14

Customer Reference	Laboratory Reference	H-3	C-14
19/10529/2, SCBH2019_1 0.20m	**RX6235 †**	<13	<5.9

Notes:
1. Results are presented as $Bq.kg^{-1}$ of sample as received and are decay corrected to the sampling date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.
3. † Sample processing did not commence within the appropriate holding time.

Results Summary – Gross Alpha/Beta

Customer Reference	Laboratory Reference	Analysis Date	Gross Alpha as Pu-242	Gross Beta as Cs-137
19/10529/2, SCBH2019_1 0.20m	**RX6235**	26/11/2019	154 ± 73	372 ± 93

Notes:
1. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample, relative to the analysis date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.

SOCOTEC

Results Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Be-7	K-40	Co-60	Cs-134	Cs-137	Tl-208	Pb-210	Bi-212	Pb-212
19/10529/2, SCBH2019_1 0.20m	RX6235	<13	205 ± 33	<1.7	<1.8	<1.5	4.1 ± 1.3	<31	<20	12.5 ± 2.2

Customer Reference	Laboratory Reference	Bi-214	Pb-214	Ra-224	Ra-226 *	Ac-228	Pa-234m	Th-234	U-235	Am-241
19/10529/2, SCBH2019_1 0.20m	RX6235	9.2 ± 2.6	10.2 ± 2.6	<37	<29	11.8 ± 4.6	<190	<38	<1.8	<2.9

Notes:

1. Analyses and/or samples marked with an asterisk are not covered under UKAS schedule 1252.
2. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample and are decay corrected to the sampling date.
3. For results below the Limit of Detection, the LoD is rounded up to 2 significant figures.
4. Results above the LoD are reported with expanded (2σ) uncertainties based on a total uncertainty budget.
5. Uncertainties are rounded to 2 significant figures; results are rounded to the same precision.
6. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the samples are assumed to be homogeneous.
7. ^{226}Ra has only one gamma ray at 186 keV and the major gamma ray from ^{235}U also occurs at 186 keV. ^{235}U can be measured by the lower abundance gamma ray at 144 keV and if a positive result for ^{235}U is reported, the ^{226}Ra result will be unreliable and overestimated. However even if ^{235}U is below the LoD there may still be a contribution to the ^{226}Ra from ^{235}U and the ^{226}Ra result may be unreliable and overestimated. If an accurate result for ^{226}Ra is required this is better obtained by radiochemical analysis.

- End of Report -

envirolab

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[redacted]

Final Test Report

[redacted]

[redacted]

[redacted]

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/10529/2				
						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
	A	N	N	9.53				
A	A	N	N	0.39				
A	A	N	N	0.09				
	A	N	N	1.2				
	A	N	N	0.37				
A	A	N	N	<0.08				
M	A	N	N	22				
	A	N	N	<0.007				
	A	N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Ar	A	N	N		0.070			
r	A	N	N		0.190			
d	A	N	N		<0.01			
r	A	N	N		<0.01			
r	A	N	N		0.030			
M r r	A	N	N		<0.005			
M d	A	N	N		0.040			
	A	N	N		0.010			
d	A	N	N		0.020			
A	A	N	N		<0.01			
	A	N	N		<0.01			
	A	N	N		0.090			
r d	A	N	N		13			
r d	A	N	N		4.0			
	A	N	N		70			
D d r	A	N	N		670			
d	A	N	N		<0.1			
D d r r	A	N	N		<200			
Leach Test Information								
	A	N	N					
d	A	N	N					
M								
Dr M r	A	N	N					

d r r d d d r r d r r r d r r r d r r r rr

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M R d AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

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Envirolab Job Number: 19/10529 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
% Stones >10mm$_A$	12.3	6.0	2.3	14.2	12.0	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$[M#]	9.53	9.20	8.00	-	-	-	-	pH	0.01	A-T-031s
pH BRE$_D$[M#]	-	-	-	8.52	8.45	7.81	6.46	pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	1.08	0.42	13.5	-	-	-	-	mg/kg	0.26	A-T-033s
Ammonium NH4 BRE (water sol 2:1)$_D$	-	-	-	3.02	3.94	10.5	23.6	mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D$[M#]	-	-	-	15	19	693	2140	mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	-	-	-	<0.4	<0.4	<0.4	<0.4	mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D$[M#]	-	-	-	28	38	580	1220	mg/l	10	A-T-026s
Sulphate (acid soluble)$_D$[M#]	370	<200	2800	-	-	-	-	mg/kg	200	A-T-028s
Sulphate BRE (acid sol)$_D$[M#]	-	-	-	<0.02	0.03	0.28	0.72	% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	-	-	-	<0.01	<0.01	0.78	10.4	% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	-	-	-	3	4	47	128	mg/l	1	A-T-SOLMETS
Cyanide (free)$_A$[M#]	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$[M#]	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	-	-	-	-	mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	<5	<5	-	-	-	-	mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$[M#]	1.2	1.2	15.3	-	-	-	-	% w/w	0.6	A-T-030s
Total Organic Carbon$_D$[M#]	0.37	0.15	6.93	-	-	-	-	% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$[#]	0.0037	0.0015	0.0693	-	-	-	-	N/A	0.0003	A-T-032 FOC
Arsenic$_D$[M#]	11	22	14	-	-	-	-	mg/kg	1	A-T-024s
Boron (water soluble)$_D$[M#]	<1.0	<1.0	2.6	-	-	-	-	mg/kg	1	A-T-027s
Cadmium$_D$[M#]	0.5	0.8	1.0	-	-	-	-	mg/kg	0.5	A-T-024s
Copper$_D$[M#]	2	<1	6	-	-	-	-	mg/kg	1	A-T-024s
Chromium$_D$[M#]	7	8	25	-	-	-	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-040s
Iron$_D$	13700	20300	22500	-	-	-	-	mg/kg	50	A-T-024s
Lead$_D$[M#]	5	4	13	-	-	-	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	-	-	-	-	mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	5	5	18	-	-	-	-	mg/kg	1	A-T-024s
Selenium$_D$[M#]	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-024s
Vanadium$_D$[M#]	20	22	47	-	-	-	-	mg/kg	1	A-T-024s
Zinc$_D$[M#]	18	20	43	-	-	-	-	mg/kg	5	A-T-024s
Ali >C5-C6$_A$[#]	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s

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Envirolab Job Number: 19/10529 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	12	2	-	-	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	13	2	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	1	<1	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	12	2	-	-	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	14	2	-	-	-	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	28	4	-	-	-	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*	-	*	-	-	-	-			A-T-001
pH (leachable)$_A^{\#}$	7.06	-	7.72	-	-	-	-	pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	0.028	-	0.658	-	-	-	-	mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	0.02	-	0.51	-	-	-	-	mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	0.2	-	0.3	-	-	-	-	mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	6.97	-	52.43	-	-	-	-	mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005	-	<0.005	-	-	-	-	mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005	-	<0.005	-	-	-	-	mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	0.3	-	<0.1	-	-	-	-	mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	7	-	6	-	-	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	19	-	105	-	-	-	-	µg/l	10	A-T-025w

Envirolab Job Number: 19/10529 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
Cadmium (leachable)$_{A}^{\#}$	<1	-	<1	-	-	-	-	µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	3	-	1	-	-	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	<1	-	<1	-	-	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	<0.05	-	<0.05	-	-	-	-	mg/l	0.05	A-T-040w
Iron (leachable)$_{A}^{\#}$	487	-	83	-	-	-	-	µg/l	10	A-T-025w
Lead (leachable)$_{A}^{\#}$	2	-	<1	-	-	-	-	µg/l	1	A-T-025w
Manganese (leachable)$_{A}^{\#}$	34	-	351	-	-	-	-	µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	<0.1	-	<0.1	-	-	-	-	µg/l	0.1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	<1	-	3	-	-	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	<1	-	<1	-	-	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	5	-	2	-	-	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	6	-	10	-	-	-	-	µg/l	1	A-T-025w
Gamma Spec HR$_{A}$	Appended	-	-	-	-	-	-			Subcon Soco-Did
Gross Alpha + Gross Beta$_{A}^{\#}$	Appended	-	-	-	-	-	-		100	Subcon Soco-Did
Tritium (Total)$_{A}^{\#}$	Appended	-	-	-	-	-	-		50	Subcon Soco-Did
Carbon-14$_{A}$	Appended	-	-	-	-	-	-		50	Subcon Soco-Did
Calcium (leachable)$_{A}$	13	-	81	-	-	-	-	mg/l	1	A-T-049w
Acid Herbicides										
2,4,5-T$_{A}$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
2,4-D$_{A}$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_{A}$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
MCPA$_{A}$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
MCPB$_{A}$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_{A}$	<0.5	-	-	-	-	-	-	mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/10529 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	-	-	-	-			A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Tecnazene$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Trifluralin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Quintozene (PCNB)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorothalonil$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triallate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Heptachlor$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Aldrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triadimefon$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Telodrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Isodrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Pendimethalin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Heptachlor epoxide$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dieldrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
p,p-DDD (4,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50	-	-	-	-	-	-	mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50	-	-	-	-	-	-	mg/kg	0.5	A-T-056
Phorate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10	-	-	-	-	-	-	mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Malathion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Ethion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triazophos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 19/10529 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
Sulprofos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

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Envirolab Job Number: 19/10529

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	-	-	-	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	-	-	-	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	<0.04	-	-	-	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	<0.05	-	-	-	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	<0.05	-	-	-	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	-	-	-	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	<0.06	-	-	-	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	-	-	-	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	<0.08	-	-	-	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	<0.03	-	-	-	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	-	-	-	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	<0.03	-	-	-	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	<0.07	-	-	-	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	<0.08	-	-	-	-	mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/10529

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	<0.002	-	-	-	-	-	-	mg/kg	0.002	A-T-004s
PCB BZ $52_A^{M\#}$	<0.002	-	-	-	-	-	-	mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	<0.004	-	-	-	-	-	-	mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	<0.007	-	-	-	-	-	-	mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	<0.006	-	-	-	-	-	-	mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	<0.004	-	-	-	-	-	-	mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	<0.004	-	-	-	-	-	-	mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	<0.007	-	-	-	-	-	-	mg/kg	0.002	A-T-004s

Envirolab Job Number: 19/10529

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected	-	-	-	-	-	-			A-T-052s
Hexachlorobenzene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-	-	-	-	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Phenol$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-	-	-	-	-	-	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 19/10529

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
Hexachloroethane$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s
Perylene$_A$	<100	-	-	-	-	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 19/10529

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-	-	-	-	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-	-	-	-	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-	-	-	-	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10	-	-	-	-	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3	-	-	-	-	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s

Envirolab Job Number: 19/10529 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10529/2	19/10529/5	19/10529/6	19/10529/9	19/10529/10	19/10529/11	19/10529/12	Units	Limit of Detection	Method ref
Client Sample No				1	2	3	4			
Client Sample ID	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1	SCBH2019_1			
Depth to Top	0.20	1.00	4.00	0.90	0.90	4.00	6.50			
Depth To Bottom										
Date Sampled	29-Oct-19	29-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19	30-Oct-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	4A	4A	5AE	5			
Chlorobenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	-	-	-	-	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	-	-	-	-	-	-	µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detected	-	-	-	-	-	-			A-T-006s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/10529

Date Received: 06/11/2019 (am)

Cool Box Temperatures (°C): 9.4

Lab Sample ID			
Client Sample No			
Client Sample ID/Depth			
Date Sampled			
Deviation Code			
	✓	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID			
Client Sample No			
Client Sample ID/Depth			
Date Sampled			
	✓	✓	✓

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager: M Add
Project Name:
Project Ref:
Order No: A
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**





Envirolab Job Number: 19/10547

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10547/1	19/10547/2						Units	Limit of Detection	Method ref
Client Sample No	5	6								
Client Sample ID	SCBH2019_1	SCBH2019_1								
Depth to Top	8.00	9.00								
Depth To Bottom										
Date Sampled	04-Nov-19	04-Nov-19								
Sample Type	Soil	Soil								
Sample Matrix Code	4A	4A								
% Stones >10mm$_A$	<0.1	<0.1						% w/w	0.1	A-T-044
pH BRE$_D^{M\#}$	7.89	8.63						pH	0.01	A-T-031s
Ammonium NH4 BRE (water sol 2:1)$_D$	<1.00	<1.00						mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D^{M\#}$	157	136						mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	<0.4	<0.4						mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D^{M\#}$	37	31						mg/l	10	A-T-026s
Sulphate BRE (acid sol)$_D^{M\#}$	0.03	0.03						% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	0.25	0.10						% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	5	3						mg/l	1	A-T-SOLMETS

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/10547

Date Received: 07/11/2019 (am)

Cool Box Temperatures (°C): 10.2

NO DEVIATIONS IDENTIFIED

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 23/12345
Issue Number: 1 **Date:** 15th May 2023

Client: Mr Example Client
Example Client Ltd
Example Client Limited
Example Client Ltd
Mr Example Client
Example Client
Example Client Limited

Project Manager: Mr Example Project Manager
Project Name: Example Project Name
Project Ref: 12345
Order No: PO 12345
Date Samples Received: 10th May 2023
Date Instructions Received: 10th May 2023
Date Analysis Completed: 15th May 2023

Prepared by: [redacted]

Approved by: [redacted]

Envirolab Job Number: 19/10642

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10642/1							Units	Limit of Detection	Method ref
Client Sample No	108/WAC8									
Client Sample ID	SCBH2019_1									
Depth to Top	8.00									
Depth To Bottom										
Date Sampled	04-Nov-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
% Stones >10mm$_A$	<0.1							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.78							pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	0.97							mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	710							mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2							mg/kg	0.2	A-T-050s
Sulphide$_A$	13							mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.0							% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.25							% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0025							N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	6							mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	4							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Iron$_D$	3440							mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	2							mg/kg	1	A-T-024s
Mercury$_D$	<0.17							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	3							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	9							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	8							mg/kg	5	A-T-024s

Envirolab Job Number: 19/10642

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10642/1							Units	Limit of Detection	Method ref
Client Sample No	108/WAC8									
Client Sample ID	SCBH2019_1									
Depth to Top	8.00									
Depth To Bottom										
Date Sampled	04-Nov-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A									A-T-045

Envirolab Job Number: 19/10642

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10642/1							Units	Limit of Detection	Method ref
Client Sample No	108/WAC8									
Client Sample ID	SCBH2019_1									
Depth to Top	8.00									
Depth To Bottom										
Date Sampled	04-Nov-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08							mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/10642

Date Received: 11/11/2019 (am)

Cool Box Temperatures (°C): 10.2

Lab Sample ID	
Client Sample No	A
Client Sample ID/Depth	
Date Sampled	
Deviation Code	
	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID	
Client Sample No	A
Client Sample ID/Depth	
Date Sampled	
	✓

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 23/12345
Issue Number: 1 **Date:** 15th May 2023

Client: Mr Client Name
Client Address
Client Address
Client Address
Client Address
Client Address
Client Address

Project Manager: Mr Project Manager
Project Name: Project Name
Project Ref: 12345
Order No: PO
Date Samples Received: 15/05/2023
Date Instructions Received: 15/05/2023
Date Analysis Completed: 22/05/2023

Prepared by: [redacted] **Approved by:** [redacted]

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Envirolab Job Number: 19/10672

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10672/1	19/10672/2	19/10672/3	19/10672/4	19/10672/5	19/10672/6	19/10672/8	Units	Limit of Detection	Method ref
Client Sample No	1	2	3	4	5	6	106			
Client Sample ID	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8			
Depth to Top	1.50	4.40	6.00	8.20	9.90	11.00	3.00			
Depth To Bottom										
Date Sampled	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil - ES			
Sample Matrix Code	4A	4A	4AE	4E	4A	4A	4A			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	9.7	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$[M#]	-	-	-	-	-	-	9.34	pH	0.01	A-T-031s
pH BRE$_D$[M#]	9.00	7.85	5.97	5.84	6.82	8.47	-	pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	-	-	-	-	-	-	19.5	mg/kg	0.26	A-T-033s
Ammonium NH4 BRE (water sol 2:1)$_D$	<1.00	1.23	71.2	31.9	<1.00	<1.00	-	mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D$[M#]	87	279	559	735	384	365	-	mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	-	mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D$[M#]	16	82	1750	1740	93	124	-	mg/l	10	A-T-026s
Sulphate (acid soluble)$_D$[M#]	-	-	-	-	-	-	<200	mg/kg	200	A-T-028s
Sulphate BRE (acid sol)$_D$[M#]	<0.02	0.02	0.67	1.17	0.05	0.07	-	% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	<0.01	0.03	3.10	4.07	0.61	0.46	-	% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	4	10	257	135	12	18	-	mg/l	1	A-T-SOLMETS
Cyanide (free)$_A$[M#]	-	-	-	-	-	-	<1	mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$[M#]	-	-	-	-	-	-	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	-	-	-	-	-	-	<0.2	mg/kg	0.2	A-T-050s
Sulphide$_A$	-	-	-	-	-	-	17	mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$[M#]	-	-	-	-	-	-	1.5	% w/w	0.6	A-T-030s
Total Organic Carbon$_D$[M#]	-	-	-	-	-	-	0.06	% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$[#]	-	-	-	-	-	-	0.0006	N/A	0.0003	A-T-032 FOC
Arsenic$_D$[M#]	-	-	-	-	-	-	14	mg/kg	1	A-T-024s
Boron (water soluble)$_D$[M#]	-	-	-	-	-	-	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$[M#]	-	-	-	-	-	-	<0.5	mg/kg	0.5	A-T-024s
Copper$_D$[M#]	-	-	-	-	-	-	22	mg/kg	1	A-T-024s
Chromium$_D$[M#]	-	-	-	-	-	-	5	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	-	-	-	-	-	<1	mg/kg	1	A-T-040s
Iron$_D$	-	-	-	-	-	-	7280	mg/kg	50	A-T-024s
Lead$_D$[M#]	-	-	-	-	-	-	3	mg/kg	1	A-T-024s
Mercury$_D$	-	-	-	-	-	-	<0.17	mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	-	-	-	-	-	-	3	mg/kg	1	A-T-024s
Selenium$_D$[M#]	-	-	-	-	-	-	<1	mg/kg	1	A-T-024s
Vanadium$_D$[M#]	-	-	-	-	-	-	13	mg/kg	1	A-T-024s
Zinc$_D$[M#]	-	-	-	-	-	-	25	mg/kg	5	A-T-024s

Envirolab Job Number: 19/10672

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10672/1	19/10672/2	19/10672/3	19/10672/4	19/10672/5	19/10672/6	19/10672/8	Units	Limit of Detection	Method ref
Client Sample No	1	2	3	4	5	6	106			
Client Sample ID	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8			
Depth to Top	1.50	4.40	6.00	8.20	9.90	11.00	3.00			
Depth To Bottom										
Date Sampled	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil - ES			
Sample Matrix Code	4A	4A	4AE	4E	4A	4A	4A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	-	-	-	-	-	-	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	-	-	-	-	-	-	N/A			A-T-045

Envirolab Job Number: 19/10672

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10672/1	19/10672/2	19/10672/3	19/10672/4	19/10672/5	19/10672/6	19/10672/8	Units	Limit of Detection	Method ref
Client Sample No	1	2	3	4	5	6	106			
Client Sample ID	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8	DCBH2019_8			
Depth to Top	1.50	4.40	6.00	8.20	9.90	11.00	3.00			
Depth To Bottom										
Date Sampled	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil - ES			
Sample Matrix Code	4A	4A	4AE	4E	4A	4A	4A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	-	-	-	-	-	-	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	-	-	-	-	-	-	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	-	-	-	-	-	-	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	-	-	-	-	-	-	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	-	-	-	-	-	-	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	-	-	-	-	-	-	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	-	-	-	-	-	-	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	-	-	-	-	-	-	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	-	-	-	-	-	-	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	-	-	-	-	-	-	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	-	-	-	-	-	-	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	-	-	-	-	-	-	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	-	-	-	-	-	-	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	-	-	-	-	-	-	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	-	-	-	-	-	-	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	-	-	-	-	-	-	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	-	-	-	-	-	-	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/10672

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10672/13	19/10672/23	19/10672/27	19/10672/28	19/10672/38			Units	Limit of Detection	Method ref
Client Sample No	111	104/WAC4	108	109/WAC6	WAC2					
Client Sample ID	DCBH2019_8	SPT2019_4	SPT2019_4	SPT2019_4	Sonic Soil Skip					
Depth to Top	8.50	0.70	5.00	6.00	0.20					
Depth To Bottom										
Date Sampled	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	06-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4E	4A	4AE	4E	5A					
% Stones >10mm$_A$	2.3	<0.1	-	<0.1	<0.1			% w/w	0.1	A-T-044
pH$_D^{M\#}$	6.06	9.19	-	7.71	9.31			pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	53.9	0.90	-	28.9	-			mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D^{M\#}$	11000	<200	-	2400	-			mg/kg	200	A-T-028s
Cyanide (free)$_A^{M\#}$	<1	<1	-	<1	-			mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1	-	16	-			mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	-	<0.2	-			mg/kg	0.2	A-T-050s
Sulphide$_A$	20	<5	-	<5	-			mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D^{M\#}$	49.9	<0.6	-	9.9	1.1			% w/w	0.6	A-T-030s
Total Organic Carbon$_D^{M\#}$	25.1	0.06	-	4.13	0.21			% w/w	0.03	A-T-032s
Fraction of organic carbon$_D^{\#}$	0.2505	0.0006	-	0.0413	-			N/A	0.0003	A-T-032 FOC
Arsenic$_D^{M\#}$	8	19	-	19	-			mg/kg	1	A-T-024s
Boron (water soluble)$_D^{M\#}$	10.7	<1.0	-	2.6	-			mg/kg	1	A-T-027s
Cadmium$_D^{M\#}$	1.2	<0.5	-	1.1	-			mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	6	<1	-	3	-			mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	29	5	-	16	-			mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	-	<1	-			mg/kg	1	A-T-040s
Iron$_D$	24800	7430	-	22000	-			mg/kg	50	A-T-024s
Lead$_D^{M\#}$	8	2	-	6	-			mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	-	1.46	-			mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	20	3	-	11	-			mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	2	<1	-	1	-			mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	51	15	-	36	-			mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	41	12	-	34	-			mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*	-	-	-	-					A-T-001
pH (leachable)$_A^{\#}$	7.43	-	-	-	-			pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	1.952	-	-	-	-			mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	1.51	-	-	-	-			mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	0.2	-	-	-	-			mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	276.04	-	-	-	-			mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005	-	-	-	-			mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005	-	-	-	-			mg/l	0.005	A-T-042wTCN

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Envirolab Job Number: 19/10672 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10672/13	19/10672/23	19/10672/27	19/10672/28	19/10672/38			Units	Limit of Detection	Method ref
Client Sample No	111	104/WAC4	108	109/WAC6	WAC2					
Client Sample ID	DCBH2019_8	SPT2019_4	SPT2019_4	SPT2019_4	Sonic Soil Skip					
Depth to Top	8.50	0.70	5.00	6.00	0.20					
Depth To Bottom										
Date Sampled	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	06-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4E	4A	4AE	4E	5A					
Sulphide (leachable)$_{A}$	<0.1	-	-	-	-			mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_{A}^{\#}$	1	-	-	-	-			µg/l	1	A-T-025w
Boron (leachable)$_{A}^{\#}$	307	-	-	-	-			µg/l	10	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	<1	-	-	-	-			µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	2	-	-	-	-			µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	<1	-	-	-	-			µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	<0.05	-	-	-	-			mg/l	0.05	A-T-040w
Iron (leachable)$_{A}^{\#}$	11	-	-	-	-			µg/l	10	A-T-025w
Lead (leachable)$_{A}^{\#}$	<1	-	-	-	-			µg/l	1	A-T-025w
Manganese (leachable)$_{A}^{\#}$	122	-	-	-	-			µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	<0.1	-	-	-	-			µg/l	0.1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	<1	-	-	-	-			µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	<1	-	-	-	-			µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	2	-	-	-	-			µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	12	-	-	-	-			µg/l	1	A-T-025w
Calcium (leachable)$_{A}$	112	-	-	-	-			mg/l	1	A-T-049w

Envirolab Job Number: 19/10672

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10672/13	19/10672/23	19/10672/27	19/10672/28	19/10672/38			Units	Limit of Detection	Method ref
Client Sample No	111	104/WAC4	108	109/WAC6	WAC2					
Client Sample ID	DCBH2019_8	SPT2019_4	SPT2019_4	SPT2019_4	Sonic Soil Skip					
Depth to Top	8.50	0.70	5.00	6.00	0.20					
Depth To Bottom										
Date Sampled	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	06-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4E	4A	4AE	4E	5A					
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	-					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	-					A-T-045

Envirolab Job Number: 19/10672

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10672/13	19/10672/23	19/10672/27	19/10672/28	19/10672/38			Units	Limit of Detection	Method ref
Client Sample No	111	104/WAC4	108	109/WAC6	WAC2					
Client Sample ID	DCBH2019_8	SPT2019_4	SPT2019_4	SPT2019_4	Sonic Soil Skip					
Depth to Top	8.50	0.70	5.00	6.00	0.20					
Depth To Bottom										
Date Sampled	05-Nov-19	05-Nov-19	05-Nov-19	05-Nov-19	06-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4E	4A	4AE	4E	5A					
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	-	<0.01	-			mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	-	<0.01	-			mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	-	<0.02	-			mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	-	<0.04	-			mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	-	<0.04	-			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	-	<0.05	-			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	-	<0.05	-			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	-	<0.07	-			mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	-	<0.06	-			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	-	<0.04	-			mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	-	<0.08	-			mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	-	<0.01	-			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	-	<0.03	-			mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	-	<0.03	-			mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	-	<0.03	-			mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	-	<0.07	-			mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	-	<0.08	-			mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/10672

Date Received: 11/11/2019 (am)

Cool Box Temperatures (°C): 9.4 - 10.9

Lab Sample ID				
Client Sample No			A	A
Client Sample ID/Depth	D	D		
Date Sampled				
Deviation Code				
	✓	✓	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID				
Client Sample No			A	A
Client Sample ID/Depth	D	D		
Date Sampled				
	✓	✓	✓	✓

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Final Test Report

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[redacted]

[redacted]

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/10672/8				
				106		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
				D				
				A				
Solid Waste Analysis								
	A	N	N	9.34				
A	A	N	N	0.15				
A	A	N	N	0.06				
	A	N	N	1.5				
	A	N	N	0.06				
A	A	N	N	<0.08				
	A	N	N	<10				
	A	N	N	<0.007				
	A	N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Ar	A	N	N		0.120			
r	A	N	N		0.380			
d	A	N	N		<0.01			
r	A	N	N		<0.01			
r	A	N	N		0.020			
r	A	N	N		<0.005			
d	A	N	N		0.020			
	A	N	N		<0.01			
d	A	N	N		<0.01			
A	A	N	N		<0.01			
	A	N	N		<0.01			
	A	N	N		0.050			
d	A	N	N		355			
d	A	N	N		1.0			
	A	N	N		45			
D	A	N	N		1080			
d	A	N	N		<0.1			
d r	A	N	N		<200			
Leach Test Information								
	A	N	N					
d	A	N	N					
M								
Dr M	A	N	N					

d r r d d d r r d r r d r d r r d r r

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M R d AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager: M Add
Project Name:
Project Ref:
Order No: A
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by:

[redacted]

Approved by:

[redacted]

Envirolab Job Number: 19/10819

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10819/1							Units	Limit of Detection	Method ref
Client Sample No	114									
Client Sample ID	DCBH2019_8									
Depth to Top	19.80									
Depth To Bottom										
Date Sampled	08-Nov-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
% Stones >10mm$_A$	<0.1							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.12							pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	0.52							mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200							mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	2							mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2							mg/kg	0.2	A-T-050s
Sulphide$_A$	<5							mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	<0.6							% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.10							% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0010							N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	1							mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	5							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Iron$_D$	12000							mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	1							mg/kg	1	A-T-024s
Mercury$_D$	<0.17							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	1							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	22							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	14							mg/kg	5	A-T-024s

Envirolab Job Number: 19/10819

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10819/1							Units	Limit of Detection	Method ref
Client Sample No	114									
Client Sample ID	DCBH2019_8									
Depth to Top	19.80									
Depth To Bottom										
Date Sampled	08-Nov-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A									A-T-045

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Envirolab Job Number: 19/10819 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	**19/10819/1**							**Units**	**Limit of Detection**	**Method ref**
Client Sample No	**114**									
Client Sample ID	**DCBH2019_8**									
Depth to Top	**19.80**									
Depth To Bottom										
Date Sampled	**08-Nov-19**									
Sample Type	**Soil - ES**									
Sample Matrix Code	**4A**									
PAH-16MS										
Acenaphthene$_A^{M\#}$	**<0.01**							**mg/kg**	**0.01**	**A-T-019s**
Acenaphthylene$_A^{M\#}$	**<0.01**							**mg/kg**	**0.01**	**A-T-019s**
Anthracene$_A^{M\#}$	**<0.02**							**mg/kg**	**0.02**	**A-T-019s**
Benzo(a)anthracene$_A^{M\#}$	**<0.04**							**mg/kg**	**0.04**	**A-T-019s**
Benzo(a)pyrene$_A^{M\#}$	**<0.04**							**mg/kg**	**0.04**	**A-T-019s**
Benzo(b)fluoranthene$_A^{M\#}$	**<0.05**							**mg/kg**	**0.05**	**A-T-019s**
Benzo(ghi)perylene$_A^{M\#}$	**<0.05**							**mg/kg**	**0.05**	**A-T-019s**
Benzo(k)fluoranthene$_A^{M\#}$	**<0.07**							**mg/kg**	**0.07**	**A-T-019s**
Chrysene$_A^{M\#}$	**<0.06**							**mg/kg**	**0.06**	**A-T-019s**
Dibenzo(ah)anthracene$_A^{M\#}$	**<0.04**							**mg/kg**	**0.04**	**A-T-019s**
Fluoranthene$_A^{M\#}$	**<0.08**							**mg/kg**	**0.08**	**A-T-019s**
Fluorene$_A^{M\#}$	**<0.01**							**mg/kg**	**0.01**	**A-T-019s**
Indeno(123-cd)pyrene$_A^{M\#}$	**<0.03**							**mg/kg**	**0.03**	**A-T-019s**
Naphthalene $_A^{M\#}$	**<0.03**							**mg/kg**	**0.03**	**A-T-019s**
Phenanthrene$_A^{M\#}$	**<0.03**							**mg/kg**	**0.03**	**A-T-019s**
Pyrene$_A^{M\#}$	**<0.07**							**mg/kg**	**0.07**	**A-T-019s**
Total PAH-16MS$_A^{M\#}$	**<0.08**							**mg/kg**	**0.01**	**A-T-019s**

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	19/10819
		Date Received:	14/11/2019 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	7.8
Clients Project No:	734318		

NO DEVIATIONS IDENTIFIED

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 23/12345
Issue Number: 1 **Date:** 15th May 2023

Client: Mr Client Name
Client Address
Client Address
Client Address
Client Address
Client Address
Client Address
Client Address

Project Manager: Client Project Manager Name and Contact Details
Project Name: Client Project Name
Project Ref: Client Project Ref
Order No: PO 12345
Date Samples Received: 10th May 2023
Date Instructions Received: 10th May 2023
Date Analysis Completed: 15th May 2023

Prepared by: [redacted]

Approved by: [redacted]

Envirolab Job Number: 19/10970

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10970/1	19/10970/2	19/10970/3	19/10970/4	19/10970/6	19/10970/7		Units	Limit of Detection	Method ref
Client Sample No	104	105	106	107	109	110				
Client Sample ID	SD2019_7	SD2019_7	SD2019_7	SD2019_7	SD2019_7	SD2019_7				
Depth to Top	1.20	3.10	6.50	7.36	9.50	11.00				
Depth To Bottom	1.70	3.50	6.90	7.66	10.00	11.50				
Date Sampled	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	4A	6AE	6AE	4E	4A				
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		% w/w	0.1	A-T-044
pH$_D^{M\#}$	-	8.57	-	7.49	-	5.23		pH	0.01	A-T-031s
pH BRE$_D^{M\#}$	8.81	8.57	6.95	-	8.32	5.23		pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	-	3.42	-	39.1	-	42.2		mg/kg	0.26	A-T-033s
Ammonium NH4 BRE (water sol 2:1)$_D$	<1.00	1.71	35.4	-	21.7	21.1		mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D^{M\#}$	7	<7	928	-	559	2550		mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	<0.4	<0.4	<0.4	-	<0.4	<0.4		mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D^{M\#}$	<10	<10	767	-	189	1450		mg/l	10	A-T-026s
Sulphate (acid soluble)$_D^{M\#}$	-	<200	-	2700	-	26000		mg/kg	200	A-T-028s
Sulphate BRE (acid sol)$_D^{M\#}$	<0.02	<0.02	0.34	-	0.07	2.57		% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	<0.01	<0.01	1.82	-	0.39	13.6		% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	1	1	184	-	33	169		mg/l	1	A-T-SOLMETS
Cyanide (free)$_A^{M\#}$	-	<1	-	<1	-	<1		mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	-	<1	-	<1	-	<1		mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	-	<0.2	-	<0.2	-	<0.2		mg/kg	0.2	A-T-050s
Sulphide$_A$	-	<5	-	<5	-	<5		mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D^{M\#}$	-	1.1	-	12.1	-	0.8		% w/w	0.6	A-T-030s
Total Organic Carbon$_D^{M\#}$	-	0.08	-	4.13	-	0.48		% w/w	0.03	A-T-032s
Fraction of organic carbon$_D^{\#}$	-	0.0008	-	0.0413	-	0.3386		N/A	0.0003	A-T-032 FOC
Arsenic$_D^{M\#}$	-	18	-	10	-	121		mg/kg	1	A-T-024s
Boron (water soluble)$_D^{M\#}$	-	<1.0	-	1.8	-	18.1		mg/kg	1	A-T-027s
Cadmium$_D^{M\#}$	-	<0.5	-	0.6	-	2.8		mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	-	<1	-	6	-	<1		mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	-	6	-	31	-	2		mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	<1	-	<1	-	<3		mg/kg	1	A-T-040s
Iron$_D$	-	12300	-	26200	-	95100		mg/kg	50	A-T-024s
Lead$_D^{M\#}$	-	3	-	10	-	3		mg/kg	1	A-T-024s
Mercury$_D$	-	<0.17	-	0.70	-	<0.17		mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	-	4	-	20	-	23		mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	-	<1	-	<1	-	<1		mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	-	16	-	54	-	13		mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	-	14	-	44	-	50		mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-2 (10:1)$_A$	-	-	-	-	-	*				A-T-001

Envirolab Job Number: 19/10970

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10970/1	19/10970/2	19/10970/3	19/10970/4	19/10970/6	19/10970/7		Units	Limit of Detection	Method ref
Client Sample No	104	105	106	107	109	110				
Client Sample ID	SD2019_7	SD2019_7	SD2019_7	SD2019_7	SD2019_7	SD2019_7				
Depth to Top	1.20	3.10	6.50	7.36	9.50	11.00				
Depth To Bottom	1.70	3.50	6.90	7.66	10.00	11.50				
Date Sampled	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	4A	6AE	6AE	4E	4A				
pH (leachable)$_{A}^{\#}$	-	-	-	-	-	7.72		pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_{A}$	-	-	-	-	-	<0.026		mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_{A}$	-	-	-	-	-	<0.02		mg/l	0.02	A-T-033w
Nitrate (leachable)$_{A}^{\#}$	-	-	-	-	-	<0.1		mg/l	0.1	A-T-026w
Sulphate (leachable)$_{A}^{\#}$	-	-	-	-	-	40.74		mg/l	1	A-T-026w
Cyanide (free) (leachable)$_{A}$	-	-	-	-	-	<0.005		mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_{A}$	-	-	-	-	-	<0.005		mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_{A}$	-	-	-	-	-	<0.1		mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_{A}^{\#}$	-	-	-	-	-	7		µg/l	1	A-T-025w
Boron (leachable)$_{A}^{\#}$	-	-	-	-	-	17		µg/l	10	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	-	-	-	-	-	<1		µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	-	-	-	-	-	<1		µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	-	-	-	-	-	<1		µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	-	-	-	-	-	<0.05		mg/l	0.05	A-T-040w
Iron (leachable)$_{A}^{\#}$	-	-	-	-	-	150		µg/l	10	A-T-025w
Lead (leachable)$_{A}^{\#}$	-	-	-	-	-	<1		µg/l	1	A-T-025w
Manganese (leachable)$_{A}^{\#}$	-	-	-	-	-	12		µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	-	-	-	-	-	<0.1		µg/l	0.1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	-	-	-	-	-	3		µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	-	-	-	-	-	<1		µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	-	-	-	-	-	5		µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	-	-	-	-	-	5		µg/l	1	A-T-025w
Calcium (leachable)$_{A}$	-	-	-	-	-	23		mg/l	1	A-T-049w

Envirolab Job Number: 19/10970

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10970/1	19/10970/2	19/10970/3	19/10970/4	19/10970/6	19/10970/7		Units	Limit of Detection	Method ref
Client Sample No	104	105	106	107	109	110				
Client Sample ID	SD2019_7	SD2019_7	SD2019_7	SD2019_7	SD2019_7	SD2019_7				
Depth to Top	1.20	3.10	6.50	7.36	9.50	11.00				
Depth To Bottom	1.70	3.50	6.90	7.66	10.00	11.50				
Date Sampled	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	4A	6AE	6AE	4E	4A				
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	-	NAD	-	NAD	-	NAD				A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	-	N/A	-	N/A	-	N/A				A-T-045

Envirolab Job Number: 19/10970

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10970/1	19/10970/2	19/10970/3	19/10970/4	19/10970/6	19/10970/7		Units	Limit of Detection	Method ref
Client Sample No	104	105	106	107	109	110				
Client Sample ID	SD2019_7	SD2019_7	SD2019_7	SD2019_7	SD2019_7	SD2019_7				
Depth to Top	1.20	3.10	6.50	7.36	9.50	11.00				
Depth To Bottom	1.70	3.50	6.90	7.66	10.00	11.50				
Date Sampled	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	4A	4A	6AE	6AE	4E	4A				
PAH-16MS										
Acenaphthene$_A^{M\#}$	-	<0.01	-	<0.01	-	<0.01		mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	-	<0.01	-	<0.01	-	<0.01		mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	-	<0.02	-	<0.02	-	<0.02		mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	-	<0.04	-	<0.04	-	<0.04		mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	-	<0.04	-	<0.04	-	<0.04		mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	-	<0.05	-	<0.05	-	<0.05		mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	-	<0.05	-	<0.05	-	<0.05		mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	-	<0.07	-	<0.07	-	<0.07		mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	-	<0.06	-	<0.06	-	<0.06		mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	-	<0.04	-	<0.04	-	<0.04		mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	-	<0.08	-	<0.08	-	<0.08		mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	-	<0.01	-	<0.01	-	<0.01		mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	-	<0.03	-	<0.03	-	<0.03		mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	-	<0.03	-	<0.03	-	<0.03		mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	-	<0.03	-	<0.03	-	<0.03		mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	-	<0.07	-	<0.07	-	<0.07		mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	-	<0.08	-	<0.08	-	<0.08		mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/10970

Date Received: 19/11/2019 (am)

Cool Box Temperatures (°C): 10.0 & 10.2

NO DEVIATIONS IDENTIFIED

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 23/12345
Issue Number: 1 **Date:** 01 January 2023

Client: Mr Client Name
Client Address
Client Address
Client Address
Client Address
Client Address
Client Address

Project Manager: Mr Project Manager
Project Name: Project Name
Project Ref: 12345
Order No: PO 1234
Date Samples Received: 01/01/23
Date Instructions Received: 01/01/23
Date Analysis Completed: 01/01/23

Prepared by: [redacted]

Approved by: [redacted]

envirolab

Envirolab Job Number: 19/10971

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
% Stones >10mm$_A$	<0.1	<0.1	<0.1					% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.55	-	-					pH	0.01	A-T-031s
pH BRE$_D$$^{M\#}$	-	8.39	8.92					pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	2.32	-	-					mg/kg	0.26	A-T-033s
Ammonium NH4 BRE (water sol 2:1)$_D$	-	1.93	<1.00					mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D$$^{M\#}$	-	<7	118					mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	-	<0.4	<0.4					mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	-	20	29					mg/l	10	A-T-026s
Sulphate (acid soluble)$_D$$^{M\#}$	280	-	-					mg/kg	200	A-T-028s
Sulphate BRE (acid sol)$_D$$^{M\#}$	-	0.03	0.10					% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	-	0.03	0.04					% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	-	3	5					mg/l	1	A-T-SOLMETS
Cyanide (free)$_A$$^{M\#}$	<1	-	-					mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	-	-					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	-	-					mg/kg	0.2	A-T-050s
Sulphide$_A$	25	-	-					mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.3	-	-					% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.18	-	-					% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0018	-	-					N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	15	-	-					mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	-	-					mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	-	-					mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1	-	-					mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	7	-	-					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	-					mg/kg	1	A-T-040s
Iron$_D$	10300	-	-					mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	5	-	-					mg/kg	1	A-T-024s
Mercury$_D$	<0.17	-	-					mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	4	-	-					mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	-	-					mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	18	-	-					mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	14	-	-					mg/kg	5	A-T-024s
Ali >C5-C6$_A$$^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Ali >C6-C8$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	-					mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Ali >C21-C35$_A$	2	-	-					mg/kg	1	A-T-055s
Total Aliphatics$_A$	2	-	-					mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	-	-					mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	-	-					mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	4	-	-					mg/kg	1	A-T-055s
Total Aromatics$_A$	4	-	-					mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	7	-	-					mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*	-	-							A-T-001
pH (leachable)$_A^{\#}$	7.93	-	-					pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	<0.026	-	-					mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	<0.02	-	-					mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	<0.1	-	-					mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	9.77	-	-					mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005	-	-					mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005	-	-					mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	<0.1	-	-					mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	2	-	-					µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	10	-	-					µg/l	10	A-T-025w

Envirolab Job Number: 19/10971 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Cadmium (leachable)$_{A}^{\#}$	<1	-	-					µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	<1	-	-					µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	<1	-	-					µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	<0.05	-	-					mg/l	0.05	A-T-040w
Iron (leachable)$_{A}^{\#}$	<10	-	-					µg/l	10	A-T-025w
Lead (leachable)$_{A}^{\#}$	<1	-	-					µg/l	1	A-T-025w
Manganese (leachable)$_{A}^{\#}$	<1	-	-					µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	0.2	-	-					µg/l	0.1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	<1	-	-					µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	<1	-	-					µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	<1	-	-					µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	8	-	-					µg/l	1	A-T-025w
Gamma Spec HR$_{A}$	Appended	-	-							Subcon Soco-Did
Gross Alpha + Gross Beta$_{A}^{\#}$	Appended	-	-						100	Subcon Soco-Did
Tritium (Total)$_{A}^{\#}$	Appended	-	-						50	Subcon Soco-Did
Carbon-14$_{A}$	Appended	-	-						50	Subcon Soco-Did
Calcium (leachable)$_{A}$	20	-	-					mg/l	1	A-T-049w
Acid Herbicides										
2,4,5-T$_{A}$	<0.5	-	-					mg/kg	0.5	Subcon Chemtest
2,4-D$_{A}$	<0.5	-	-					mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_{A}$	<0.5	-	-					mg/kg	0.5	Subcon Chemtest
MCPA$_{A}$	<0.5	-	-					mg/kg	0.5	Subcon Chemtest
MCPB$_{A}$	<0.5	-	-					mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_{A}$	<0.5	-	-					mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/10971

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	-	-							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	-	-							A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Tecnazene$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Trifluralin$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Quintozene (PCNB)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Chlorothalonil$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Triallate$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Heptachlor$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Aldrin$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Triadimefon$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Telodrin$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Isodrin$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Pendimethalin$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Heptachlor epoxide$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Dieldrin$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Endrin$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
p,p-DDD (4,4)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50	-	-					mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50	-	-					mg/kg	0.5	A-T-056
Phorate$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10	-	-					mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.05	-	-					mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Malathion$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Ethion$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Triazophos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056

Envirolab Job Number: 19/10971

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Sulprofos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01	-	-					mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.05	-	-					mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.05	-	-					mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01	-	-					mg/kg	0.01	A-T-056

Envirolab Job Number: 19/10971

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	-	-					mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	-	-					mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	-	-					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	-	-					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	-	-					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	-	-					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	-	-					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	-	-					mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	-	-					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	-	-					mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	-	-					mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	-	-					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	-	-					mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	-	-					mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	-	-					mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	-	-					mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	-	-					mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/10971

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	<0.002	-	-					mg/kg	0.002	A-T-004s
PCB BZ $52_A^{M\#}$	<0.002	-	-					mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	<0.004	-	-					mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	<0.007	-	-					mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	<0.006	-	-					mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	<0.004	-	-					mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	<0.004	-	-					mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	<0.007	-	-					mg/kg	0.002	A-T-004s

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Envirolab Job Number: 19/10971 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	None detected	-	-							A-T-052s
Hexachlorobenzene$_A$	<100	-	-					µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-	-					µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-	-					µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-	-					µg/kg	100	A-T-052s
Carbazole$_A$	<100	-	-					µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-	-					µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-	-					µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-	-					µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-	-					µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<200	-	-					µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-	-					µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-	-					µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-	-					µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-	-					µg/kg	100	A-T-052s
Phenol$_A$	<100	-	-					µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-	-					µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-	-					µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-	-					µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-	-					µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-	-					µg/kg	100	A-T-052s
Isophorone$_A$	<100	-	-					µg/kg	100	A-T-052s

Envirolab Job Number: 19/10971

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Hexachloroethane$_A$	<100	-	-					µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100	-	-					µg/kg	100	A-T-052s
Perylene$_A$	<100	-	-					µg/kg	100	A-T-052s

Envirolab Job Number: 19/10971

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1	-	-					µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-	-					µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-	-					µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-	-					µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-	-					µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10	-	-					µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3	-	-					µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s

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Envirolab Job Number: 19/10971 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/10971/2	19/10971/4	19/10971/5					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3							
Depth to Top	0.30	0.70	1.00							
Depth To Bottom										
Date Sampled	12-Nov-19	12-Nov-19	12-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	4A							
Chlorobenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	-	-					µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	-	-					µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	-	-					µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	-	-					µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	-	-					µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	-	-					µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	-	-					µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	-	-					µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detected	-	-							A-T-006s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/10971

Date Received: 19/11/2019 (am)

Cool Box Temperatures (°C): 10.0

Lab Sample ID	
Client Sample No	
Client Sample ID/Depth	
Date Sampled	
Deviation Code	
	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID	
Client Sample No	
Client Sample ID/Depth	
Date Sampled	
	✓

Analysis of a Soil Sample

[redacted]

[redacted]

[redacted]

Sample Summary

Customer Reference	Laboratory Reference	Matrix	Sampling Date
[illegible]	R[illegible]	[illegible]	[illegible]

Experimental

Tritium

A[illegible] A[illegible] [illegible] [illegible] [

Results

R[illegible]

A[illegible]

[illegible]

Results Summary – Tritium and Carbon-14

Customer Reference	Laboratory Reference	H-3	C-14
19/10971/2, SCBH2019_3 0.30m	RX6532 †	[illegible]	[illegible]

Notes:
[illegible]

Results Summary – Gross Alpha/Beta

Customer Reference	Laboratory Reference	Analysis Date	Gross Alpha as Pu-242	Gross Beta as Cs-137
19/10971/2, SCBH2019_3 0.30m	RX6532	[illegible]	[illegible]	[illegible]

Notes:
[illegible]

Results Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Be-7	K-40	Co-60	Cs-134	Cs-137	Tl-208	Pb-210	Bi-212	Pb-212
19/10971/2, SCBH2019_3 0.30m	RX6532									

Customer Reference	Laboratory Reference	Bi-214	Pb-214	Ra-224	Ra-226 *	Ac-228	Pa-234m	Th-234	U-235	Am-241
19/10971/2, SCBH2019_3 0.30m	RX6532									

Notes:

Results above the LoD are reported with expanded (2σ) uncertainties based on a total

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Final Test Report

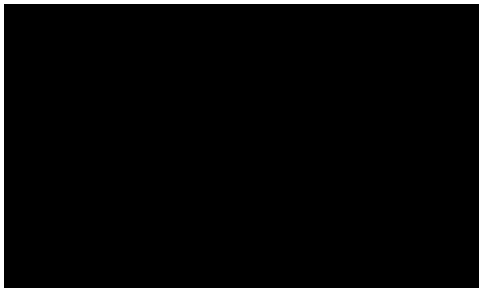
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Notes - Soil analysis

Notes - General

Predominant Matrix Codes:

Secondary Matrix Codes





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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/10971/2				
						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	8.55				
		N	N	0.31				
		N	N	0.08				
		N	N	1.3				
		N	N	0.18				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.020			
		N	N		0.220			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.010			
		N	N		<0.005			
		N	N		0.020			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.030			
		N	N		<10			
		N	N		1.0			
		N	N		98			
		N	N		680			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

Envirolab Job Number: 19/10973

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10973/1	19/10973/2	19/10973/3	19/10973/4	19/10973/8	19/10973/12	19/10973/14	Units	Limit of Detection	Method ref
Client Sample No	T3	T4	T5/113/WAC8	T6	107	111/WAC7	WAC5			
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3			
Depth to Top	2.80	7.00	10.50	11.00	4.50	8.50	4.00			
Depth To Bottom										
Date Sampled	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6E	6AE	4A	4A	6AE	4E	5AE			
% Stones >10mm$_A$	7.8	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	-	-	-	-	7.52	7.81	7.61	pH	0.01	A-T-031s
pH BRE$_D$$^{M\#}$	7.73	7.15	8.59	8.59	-	-	-	pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	-	-	-	-	19	10.5	-	mg/kg	0.26	A-T-033s
Ammonium NH4 BRE (water sol 2:1)$_D$	19.5	13.1	6.77	1.23	-	-	-	mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D$$^{M\#}$	325	1020	46	64	-	-	-	mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	<0.4	<0.4	<0.4	<0.4	-	-	-	mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	49	727	16	18	-	-	-	mg/l	10	A-T-026s
Sulphate (acid soluble)$_D$$^{M\#}$	-	-	-	-	2000	540	-	mg/kg	200	A-T-028s
Sulphate BRE (acid sol)$_D$$^{M\#}$	0.06	0.33	0.03	0.04	-	-	-	% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	0.07	3.31	0.20	0.08	-	-	-	% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	17	78	4	3	-	-	-	mg/l	1	A-T-SOLMETS
Cyanide (free)$_A$$^{M\#}$	-	-	-	-	<1	<1	-	mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	-	-	-	-	<1	<1	-	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	-	-	-	-	<0.2	<0.2	-	mg/kg	0.2	A-T-050s
Sulphide$_A$	-	-	-	-	<5	<5	-	mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	-	-	-	-	10.5	3.8	8.7	% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	-	-	-	-	2.62	1.28	2.18	% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	-	-	-	-	0.0262	0.0128	-	N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	-	-	-	-	17	11	-	mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	-	-	-	-	1.9	1.2	-	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	-	-	-	-	<0.5	<0.5	-	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	-	-	-	-	6	<1	-	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	-	-	-	-	38	6	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	-	-	-	<1	<1	-	mg/kg	1	A-T-040s
Iron$_D$	-	-	-	-	26000	5430	-	mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	-	-	-	-	10	3	-	mg/kg	1	A-T-024s
Mercury$_D$	-	-	-	-	<0.17	<0.17	-	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	-	-	-	-	25	3	-	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	-	-	-	-	1	<1	-	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	-	-	-	-	72	11	-	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	-	-	-	-	48	9	-	mg/kg	5	A-T-024s

Envirolab Job Number: 19/10973

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10973/1	19/10973/2	19/10973/3	19/10973/4	19/10973/8	19/10973/12	19/10973/14	Units	Limit of Detection	Method ref
Client Sample No	T3	T4	T5/113/WAC8	T6	107	111/WAC7	WAC5			
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3			
Depth to Top	2.80	7.00	10.50	11.00	4.50	8.50	4.00			
Depth To Bottom										
Date Sampled	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6E	6AE	4A	4A	6AE	4E	5AE			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	-	-	-	-	NAD	NAD	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	-	-	-	-	N/A	N/A	-			A-T-045

Envirolab Job Number: 19/10973

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/10973/1	19/10973/2	19/10973/3	19/10973/4	19/10973/8	19/10973/12	19/10973/14	Units	Limit of Detection	Method ref
Client Sample No	T3	T4	T5/113/WAC8	T6	107	111/WAC7	WAC5			
Client Sample ID	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3	SCBH2019_3			
Depth to Top	2.80	7.00	10.50	11.00	4.50	8.50	4.00			
Depth To Bottom										
Date Sampled	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19	13-Nov-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6E	6AE	4A	4A	6AE	4E	5AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	-	-	-	-	<0.01	<0.01	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	-	-	-	-	<0.01	<0.01	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	-	-	-	-	<0.02	<0.02	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	-	-	-	-	<0.04	<0.04	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	-	-	-	-	<0.04	<0.04	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	-	-	-	-	<0.05	<0.05	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	-	-	-	-	<0.05	<0.05	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	-	-	-	-	<0.07	<0.07	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	-	-	-	-	<0.06	<0.06	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	-	-	-	-	<0.04	<0.04	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	-	-	-	-	<0.08	<0.08	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	-	-	-	-	<0.01	<0.01	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	-	-	-	-	<0.03	<0.03	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	-	-	-	-	<0.03	<0.03	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	-	-	-	-	<0.03	<0.03	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	-	-	-	-	<0.07	<0.07	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	-	-	-	-	<0.08	<0.08	-	mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/10973

Date Received: 19/11/2019 (am)

Cool Box Temperatures (°C): 10.0 - 10.2

NO DEVIATIONS IDENTIFIED

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Final Test Report

[redacted]

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[redacted]

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/10973/14				
				WAC5		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	7.61				
		N	N	<0.01				
		N	N	<0.01				
		N	N	8.7				
		N	N	2.18				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.050			
		N	N		0.180			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.005			
		N	N		0.240			
		N	N		0.020			
		N	N		<0.01			
		N	N		0.030			
		N	N		<0.01			
		N	N		0.040			
		N	N		944			
		N	N		4.0			
		N	N		379			
		N	N		2470			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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Final Test Report

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/11067/1				
				WAC1		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	8.60				
		N	N	0.43				
		N	N	0.09				
		N	N	1.6				
		N	N	0.16				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.080			
		N	N		0.250			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.005			
		N	N		0.060			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.050			
		N	N		<10			
		N	N		2.0			
		N	N		42			
		N	N		610			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/11067/5				
				WAC3		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	7.62				
		N	N	1.13				
		N	N	0.05				
		N	N	12.6				
		N	N	5.35				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.220			
		N	N		0.290			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.005			
		N	N		0.070			
		N	N		0.010			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.100			
		N	N		753			
		N	N		2.0			
		N	N		42			
		N	N		2770			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

Envirolab Job Number: 19/11067

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11067/1	19/11067/2	19/11067/4	19/11067/5	19/11067/6			Units	Limit of Detection	Method ref
Client Sample No	WAC1	101	102	WAC3	103					
Client Sample ID	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3					
Depth to Top	0.50	1.00	2.50	3.80	5.50					
Depth To Bottom										
Date Sampled	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE					
% Stones >10mm$_A$	2.6	5.0	0.6	<0.1	6.0			% w/w	0.1	A-T-044
pH$_D$[M#]	8.60	8.62	7.67	7.62	7.33			pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	-	7.23	66.2	-	49.5			mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$[M#]	-	310	1100	-	2300			mg/kg	200	A-T-028s
Cyanide (free)$_A$[M#]	-	<1	<1	-	<1			mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$[M#]	-	<1	<1	-	<1			mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	-	<0.2	<0.2	-	<0.2			mg/kg	0.2	A-T-050s
Sulphide$_A$	-	<5	27	-	140			mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$[M#]	1.6	1.2	10.1	12.6	23.6			% w/w	0.6	A-T-030s
Total Organic Carbon$_D$[M#]	0.16	0.23	3.58	5.35	12.5			% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$[#]	-	0.0023	0.0358	-	0.1249			N/A	0.0003	A-T-032 FOC
Arsenic$_D$[M#]	-	15	19	-	13			mg/kg	1	A-T-024s
Boron (water soluble)$_D$[M#]	-	<1.0	4.1	-	6.0			mg/kg	1	A-T-027s
Cadmium$_D$[M#]	-	<0.5	<0.5	-	<0.5			mg/kg	0.5	A-T-024s
Copper$_D$[M#]	-	<1	6	-	6			mg/kg	1	A-T-024s
Chromium$_D$[M#]	-	8	14	-	24			mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	<1	<1	-	<1			mg/kg	1	A-T-040s
Iron$_D$	-	9380	13700	-	19800			mg/kg	50	A-T-024s
Lead$_D$[M#]	-	16	19	-	10			mg/kg	1	A-T-024s
Mercury$_D$	-	<0.17	<0.17	-	<0.17			mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	-	4	10	-	17			mg/kg	1	A-T-024s
Selenium$_D$[M#]	-	<1	2	-	<1			mg/kg	1	A-T-024s
Vanadium$_D$[M#]	-	17	32	-	45			mg/kg	1	A-T-024s
Zinc$_D$[M#]	-	17	39	-	44			mg/kg	5	A-T-024s
Ali >C5-C6$_A$[#]	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$[#]	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	-	-	-			mg/kg	1	A-T-055s
Ali >C10-C12$_A$[M#]	-	<1	-	-	-			mg/kg	1	A-T-055s
Ali >C12-C16$_A$[M#]	-	<1	-	-	-			mg/kg	1	A-T-055s
Ali >C16-C21$_A$[M#]	-	<1	-	-	-			mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	6	-	-	-			mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	6	-	-	-			mg/kg	1	A-T-055s
Aro >C5-C7$_A$[#]	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s

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Envirolab Job Number: 19/11067 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11067/1	19/11067/2	19/11067/4	19/11067/5	19/11067/6			Units	Limit of Detection	Method ref
Client Sample No	WAC1	101	102	WAC3	103					
Client Sample ID	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3					
Depth to Top	0.50	1.00	2.50	3.80	5.50					
Depth To Bottom										
Date Sampled	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE					
Aro >C7-C8$_A^{\#}$	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<1	-	-	-			mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	<1	-	-	-			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	1	-	-	-			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	<1	-	-	-			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	5	-	-	-			mg/kg	1	A-T-055s
Total Aromatics$_A$	-	6	-	-	-			mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	-	12	-	-	-			mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	-	-	-			mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	-	*	-	-	-					A-T-001
pH (leachable)$_A^{\#}$	-	7.93	-	-	-			pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	-	0.401	-	-	-			mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	-	0.31	-	-	-			mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	-	0.6	-	-	-			mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	-	5.11	-	-	-			mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	-	<0.005	-	-	-			mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	-	<0.005	-	-	-			mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	-	<0.1	-	-	-			mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	-	4	-	-	-			µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	-	31	-	-	-			µg/l	10	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	<1	-	-	-			µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	<1	-	-	-			µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	<1	-	-	-			µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	<0.05	-	-	-			mg/l	0.05	A-T-040w
Iron (leachable)$_A^{\#}$	-	11	-	-	-			µg/l	10	A-T-025w
Lead (leachable)$_A^{\#}$	-	<1	-	-	-			µg/l	1	A-T-025w
Manganese (leachable)$_A^{\#}$	-	28	-	-	-			µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	-	<0.1	-	-	-			µg/l	0.1	A-T-025w

Envirolab Job Number: 19/11067

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11067/1	19/11067/2	19/11067/4	19/11067/5	19/11067/6			Units	Limit of Detection	Method ref
Client Sample No	WAC1	101	102	WAC3	103					
Client Sample ID	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3					
Depth to Top	0.50	1.00	2.50	3.80	5.50					
Depth To Bottom										
Date Sampled	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE					
Nickel (leachable)$_{A}^{\#}$	-	<1	-	-	-			µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	-	<1	-	-	-			µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	-	1	-	-	-			µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	-	9	-	-	-			µg/l	1	A-T-025w
Calcium (leachable)$_{A}$	-	22	-	-	-			mg/l	1	A-T-049w

Envirolab Job Number: 19/11067

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11067/1	19/11067/2	19/11067/4	19/11067/5	19/11067/6			Units	Limit of Detection	Method ref
Client Sample No	WAC1	101	102	WAC3	103					
Client Sample ID	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3					
Depth to Top	0.50	1.00	2.50	3.80	5.50					
Depth To Bottom										
Date Sampled	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE					
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	-	NAD	NAD	-	NAD					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	-	N/A	N/A	-	N/A					A-T-045

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Envirolab Job Number: 19/11067 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11067/1	19/11067/2	19/11067/4	19/11067/5	19/11067/6			Units	Limit of Detection	Method ref
Client Sample No	WAC1	101	102	WAC3	103					
Client Sample ID	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3	SPT2019_3					
Depth to Top	0.50	1.00	2.50	3.80	5.50					
Depth To Bottom										
Date Sampled	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE					
PAH-16MS										
Acenaphthene$_A^{M\#}$	-	<0.01	<0.01	-	<0.01			mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	-	<0.01	<0.01	-	<0.01			mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	-	<0.02	<0.02	-	<0.02			mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	-	<0.04	<0.04	-	<0.04			mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	-	<0.04	0.10	-	<0.04			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	-	<0.05	0.14	-	<0.05			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	-	<0.05	<0.05	-	<0.05			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	-	<0.07	<0.07	-	<0.07			mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	-	<0.06	<0.06	-	<0.06			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	-	<0.04	<0.04	-	<0.04			mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	-	<0.08	<0.08	-	<0.08			mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	-	<0.01	<0.01	-	<0.01			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	-	<0.03	0.10	-	<0.03			mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	-	<0.03	<0.03	-	<0.03			mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	-	<0.03	<0.03	-	<0.03			mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	-	<0.07	<0.07	-	<0.07			mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	-	<0.08	0.34	-	<0.08			mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/11067

Date Received: 21/11/2019 (am)

Cool Box Temperatures (°C): 10.7

NO DEVIATIONS IDENTIFIED

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[redacted]

FINAL ANALYTICAL TEST REPORT [redacted]

Envirolab Job Number: [redacted]
Issue Number: [redacted] **Date:** [redacted]

Client: [redacted]

Project Manager: [redacted]
Project Name: [redacted]
Project Ref: [redacted]
Order No: [redacted]
Date Samples Received: [redacted]
Date Instructions Received: [redacted]
Date Analysis Completed: [redacted]

Prepared by: [redacted]

Approved by: [redacted]

Envirolab Job Number: 19/11125

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11125/1	19/11125/2	19/11125/3	19/11125/4	19/11125/5	19/11125/6	19/11125/7	Units	Limit of Detection	Method ref
Client Sample No	102	102	101	102	101	102	103			
Client Sample ID	MGS_2019_H	MGS_2019_H	MGS_2019_I	MGS_2019_I	MGS_2019_J	MGS_2019_J	MGS_2019_J			
Depth to Top	1.40	2.40	2.00	2.40	0.40	1.00	2.00			
Depth To Bottom										
Date Sampled	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19	19-Nov-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4A	4A	4A	4A	4A	4A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

Envirolab Job Number: 19/11125

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11125/8	19/11125/9	19/11125/10					Units	Limit of Detection	Method ref
Client Sample No	104	105	106							
Client Sample ID	MGS_2019_J	MGS_2019_J	MGS_2019_J							
Depth to Top	3.50	5.00	5.90							
Depth To Bottom										
Date Sampled	19-Nov-19	19-Nov-19	19-Nov-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	4A	6A							
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A							A-T-045

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/11125

Date Received: 22/11/2019 (am)

Cool Box Temperatures (°C): 7.9

NO DEVIATIONS IDENTIFIED

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Unit 12 Clydesmuir Industrial Estate Clydesmuir Road Cumbernauld G67 3AR
Mobile Road Cumbernauld G67 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 12345678
Issue Number: 1 **Date:** 01 January 2000

Client: Client Name Client Address Client Address Client Address Client Address Client Address Client Address

Project Manager: Project Manager Name
Project Name: Project Name
Project Ref: 123456
Order No: PO123
Date Samples Received: 01/01/2000
Date Instructions Received: 01/01/2000
Date Analysis Completed: 01/01/2000

Prepared by: **Approved by:**

[redacted]

Envirolab Job Number: 19/11198

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
% Stones >10mm$_A$	58.1	10.1	<0.1	<0.1	<0.1			% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.42	-	6.99	8.54	7.46			pH	0.01	A-T-031s
pH BRE$_D$$^{M\#}$	-	7.39	6.99	8.54	-			pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	1.11	-	57.9	2.45	-			mg/kg	0.26	A-T-033s
Ammonium NH4 BRE (water sol 2:1)$_D$	-	3.16	29	1.23	-			mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D$$^{M\#}$	-	1840	2340	21	-			mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	-	<0.4	<0.4	4.9	-			mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	-	1020	507	19	-			mg/l	10	A-T-026s
Sulphate (acid soluble)$_D$$^{M\#}$	<200	-	6900	<200	-			mg/kg	200	A-T-028s
Sulphate BRE (acid sol)$_D$$^{M\#}$	-	0.41	0.69	<0.02	-			% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	-	1.74	3.44	0.01	-			% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	-	180	223	9	-			mg/l	1	A-T-SOLMETS
Cyanide (free)$_A$$^{M\#}$	<1	-	<1	<1	-			mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	-	<1	<1	-			mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	-	<0.2	<0.2	-			mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	-	590	<5	-			mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	0.8	-	70.0	2.1	23.8			% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.15	-	38.1	0.93	10.8			% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0015	-	0.3815	0.0093	-			N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	3	-	5	2	-			mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	-	14.6	<1.0	-			mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	-	<0.5	<0.5	-			mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	3	-	4	7	-			mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	3	-	19	9	-			mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	<1	<1	-			mg/kg	1	A-T-040s
Iron$_D$	6410	-	10600	14200	-			mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	3	-	6	11	-			mg/kg	1	A-T-024s
Mercury$_D$	<0.17	-	<0.17	<0.17	-			mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	3	-	13	6	-			mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	-	<1	<1	-			mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	14	-	30	29	-			mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	17	-	24	34	-			mg/kg	5	A-T-024s
Ali >C5-C6$_A$$^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/11198 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
Ali >C6-C8$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	-	<1	-			mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	-	-	<1	-			mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	-	-	<1	-			mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	-	-	<1	-			mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	-	-	<1	-			mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	-	<1	-			mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	-	<1	-			mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	-	-	<1	-			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	-	<1	-			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	-	<1	-			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	-	<1	-			mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	-	<1	-			mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	-	-	-	<1	-			mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	-	<0.01	-			mg/kg	0.01	A-T-022s
Gamma Spec HR$_A$	-	-	-	Appended	-					Subcon Soco-Did
Gross Alpha + Gross Beta$_A^{\#}$	-	-	-	Appended	-				100	Subcon Soco-Did
Tritium (Total)$_A^{\#}$	-	-	-	Appended	-				50	Subcon Soco-Did
Carbon-14$_A$	-	-	-	Appended	-				50	Subcon Soco-Did
Acid Herbicides										
2,4,5-T$_A$	-	-	-	<0.5	-			mg/kg	0.5	Subcon Chemtest
2,4-D$_A$	-	-	-	<0.5	-			mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_A$	-	-	-	<0.5	-			mg/kg	0.5	Subcon Chemtest
MCPA$_A$	-	-	-	<0.5	-			mg/kg	0.5	Subcon Chemtest

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Client Project Name: Sizewell C

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Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
$MCPB_A$	-	-	-	<0.5	-			mg/kg	0.5	Subcon Chemtest
$MCPP; (Mecoprop)_A$	-	-	-	<0.5	-			mg/kg	0.5	Subcon Chemtest

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Client Project Ref: 734318

Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	-	NAD	NAD	-					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	-	N/A	N/A	-					A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Tecnazene$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Trifluralin$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Quintozene (PCNB)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Chlorothalonil$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Triallate$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Heptachlor$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Aldrin$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Triadimefon$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Telodrin$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Isodrin$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Pendimethalin$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Heptachlor epoxide$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Dieldrin$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Endrin$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056

Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
p,p-DDD (4,4)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Endrin Ketone$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Dichlorvos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Mevinphos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Demeton-S$_A$	-	-	-	<0.50	-			mg/kg	0.5	A-T-056
Demeton-O$_A$	-	-	-	<0.50	-			mg/kg	0.5	A-T-056
Phorate$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Dimethoate$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Propetamphos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Disulfoton$_A$	-	-	-	<0.10	-			mg/kg	0.1	A-T-056
Etrimphos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Methyl Parathion$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Fenitrothion$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Fensulphothion$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Fenthion$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Malathion$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Trichloronate$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Ethion$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Triazophos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056

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Client Project Ref: 734318

Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
Sulprofos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Carbophenothion$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Phosalone$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056
Coumaphos$_A$	-	-	-	<0.01	-			mg/kg	0.01	A-T-056

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Client Project Ref: 734318

Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	-	<0.01	<0.01	-			mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	-	<0.01	<0.01	-			mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	-	<0.02	<0.02	-			mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	-	<0.04	<0.04	-			mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	-	<0.04	<0.04	-			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	-	<0.05	<0.05	-			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	-	<0.05	<0.05	-			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	-	<0.07	<0.07	-			mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	-	<0.06	<0.06	-			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	-	<0.04	<0.04	-			mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	-	<0.08	<0.08	-			mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	-	<0.01	<0.01	-			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	-	<0.03	<0.03	-			mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	-	<0.03	<0.03	-			mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	-	<0.03	<0.03	-			mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	-	<0.07	<0.07	-			mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	-	<0.08	<0.08	-			mg/kg	0.01	A-T-019s

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Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	-	-	-	<0.002	-			mg/kg	0.002	A-T-004s
PCB BZ $52_A^{M\#}$	-	-	-	<0.002	-			mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	-	-	-	<0.004	-			mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	-	-	-	<0.007	-			mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	-	-	-	<0.006	-			mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	-	-	-	<0.004	-			mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	-	-	-	<0.004	-			mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	-	-	-	<0.007	-			mg/kg	0.002	A-T-004s

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Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	-	-	-	None detected	-					A-T-052s
Hexachlorobenzene$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Carbazole$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	-	<500	-			µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	-	<200	-			µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Phenol$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	-	<500	-			µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Isophorone$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s

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Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
Hexachloroethane$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s
Perylene$_A$	-	-	-	<100	-			µg/kg	100	A-T-052s

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Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
VOC+TICs										
Dichlorodifluoromethane$_{A}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	<10	-			µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	<5	-			µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	<5	-			µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	<2	-			µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	<10	-			µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	-	-	<3	-			µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s

Lab Sample ID	19/11198/1	19/11198/2	19/11198/4	19/11198/5	19/11198/6			Units	Limit of Detection	Method ref
Client Sample No	101	102	104	WAC1	WAC2					
Client Sample ID	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A	SPT2019_2A					
Depth to Top	0.60	2.00	6.00	0.40	1.60					
Depth To Bottom										
Date Sampled	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19	22-Nov-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES					
Sample Matrix Code	4AE	5AE	5E	7	5AE					
Chlorobenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	-	-	<2	-			µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	-	-	<2	-			µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	-	-	<3	-			µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	-	-	<1	-			µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	-	-	<3	-			µg/kg	3	A-T-006s
VOC TICs$_{A}$	-	-	-	None detected	-					A-T-006s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/11198

Date Received: 27/11/2019 (am)

Cool Box Temperatures (°C): 8.7 & 8.9

NO DEVIATIONS IDENTIFIED

SOCOTEC

Analysis of a Soil Sample

Envirolab Ltd
Units 7 & 8
Sandpits Business Park
Mottram Road
Hyde
SK14 3AR

Testing Facility: SOCOTEC UK
Unit 12, Moorbrook
Southmead Industrial Park
Didcot
Oxfordshire
OX11 7HP

Laboratory Reference: 19-1094

Customer Reference: 19/11198 (Site Ref: 734318)

Quote Number: ENR-ANU-9581Rev1

PO Number: P0742502

Sample Received: 28 November 2019

Sample Condition: Satisfactory, Ambient

Analysis Completed: 17 December 2019

Report Author: [redacted]

Author's Name: Charlene Hunston

Job Title: Team Leader

Approved By [redacted]

Approver's Name: Trevor Harding

Job Title: Senior Analyst

Report Date: 18 December 2019

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Sample Summary

Customer Reference	Laboratory Reference	Matrix	Sampling Date
19/11198/5, WAC1 SPT2019_2A 0.40m	RX6591	Soil	22/11/2019 12:00

Experimental

Tritium

ANU/SOP/2094 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the hydrogen and tritium were converted to water vapour. These were then selectively trapped in a series of gas-bubblers containing dilute acid. Aliquots of known weight were then assessed for their tritium content by liquid scintillation counting. The tritium activity was corrected for the proportion of the bubbler trapping solution taken and for the weight of combusted sample.

Carbon-14

ANU/SOP/2103 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the carbon species were converted to carbon dioxide, which were then selectively trapped in a series of gas-bubblers containing a trapping medium. Aliquots of known weight were then assessed for their ^{14}C content by liquid scintillation counting. Hence the total recovered ^{14}C was calculated from the total weights of each respective trapping medium.

Gross Alpha/Beta

ANU/SOP/2005 – A portion of each sample was slurried in meths and then vacuum filtered onto glass fibre filter paper in a pre-calibrated geometry, to produce a source for counting. After air-drying, the sample was weighed, then counted on a Berthold LB770 low-level gas-flow proportional counter for an appropriate length of time.

Gamma Spectrometry

ANU/SOP/2029 – The measurement technique is based on the use of high purity germanium (HPGe) detectors coupled to an Ortec gamma ray spectroscopy system. The gamma ray spectra are stored on a computer and analysed using the software programme Fitzpeaks for photopeak identification and quantification. The detectors are calibrated for efficiency using a mixed radionuclide standard, which covers an energy range of approximately 30-2000 keV. The efficiency of gamma rays between 30 keV and 120 keV are determined on an individual basis.

Application of decay corrections for the naturally occurring daughter radionuclides of uranium and thorium assumes that the series daughter radionuclides are all in secular equilibrium and therefore decay with the half-life of the first radionuclide in the series." (^{226}Ra is not UKAS accredited)

Deviating Sample Disclaimer

The reported results are representative of the sample upon receipt. However,

E) Sample processing did not commence within the appropriate holding time (annotated with "†" in the tables below)

Consequently the sample is considered deviating and the validity of the reported data may be compromised.

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Results

Results are presented in the following tables.

Any opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.

The results in this test report relate only to the items tested. This test report must not be reproduced except in full, without written approval of the laboratory.

Results Summary – Tritium and Carbon-14

Customer Reference	Laboratory Reference	H-3 †	C-14
19/11198/5, WAC1 SPT2019_2A 0.40m	RX6591	<11	<14

Notes:
1. Results are presented as $Bq.kg^{-1}$ of sample as received and are decay corrected to the sampling date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.
3. † Sample processing did not commence within the appropriate holding time.

Results Summary – Gross Alpha/Beta

Customer Reference	Laboratory Reference	Analysis Date	Gross Alpha as Pu-242	Gross Beta as Cs-137
19/11198/5, WAC1 SPT2019_2A 0.40m	RX6591	17/12/2019	350 ± 110	1120 ± 230

Notes:
1. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample, relative to the analysis date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.

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Results Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Be-7	K-40	Co-60	Cs-134	Cs-137	Tl-208	Pb-210	Bi-212	Pb-212
19/11198/5, WAC1 SPT2019_2A 0.40m	RX6591	<12	789 ± 86	<1.9	<1.9	<1.5	13.7 ± 1.9	<33	40 ± 15	42 ± 4.1

Customer Reference	Laboratory Reference	Bi-214	Pb-214	Ra-224	Ra-226 *	Ac-228	Pa-234m	Th-234	U-235	Am-241
19/11198/5, WAC1 SPT2019_2A 0.40m	RX6591	20.8 ± 3.5	21.5 ± 2.8	<35	<24	41.6 ± 5.1	<180	<36	<1.5	<3.6

Notes:

1. Analyses and/or samples marked with an asterisk are not covered under UKAS schedule 1252.
2. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample and are decay corrected to the sampling date.
3. For results below the Limit of Detection, the LoD is rounded up to 2 significant figures.
4. Results above the LoD are reported with expanded (2σ) uncertainties based on a total uncertainty budget.
5. Uncertainties are rounded to 2 significant figures; results are rounded to the same precision.
6. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the samples are assumed to be homogeneous.
7. ^{226}Ra has only one gamma ray at 186 keV and the major gamma ray from ^{235}U also occurs at 186 keV. ^{235}U can be measured by the lower abundance gamma ray at 144 keV and if a positive result for ^{235}U is reported, the ^{226}Ra result will be unreliable and overestimated. However even if ^{235}U is below the LoD there may still be a contribution to the ^{226}Ra from ^{235}U and the ^{226}Ra result may be unreliable and overestimated. If an accurate result for ^{226}Ra is required this is better obtained by radiochemical analysis.

- End of Report -

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[redacted]

[redacted]

Final Test Report

[redacted]

[redacted]

[redacted]

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/11198/1				
				101		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	8.42				
		N	N	0.06				
		N	N	0.01				
		N	N	0.8				
		N	N	0.15				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.030			
		N	N		0.110			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.020			
		N	N		<0.005			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.020			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.060			
		N	N		19			
		N	N		2.0			
		N	N		13			
		N	N		270			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/11198/6				
				WAC2		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	7.46				
		N	N	1.89				
		N	N	0.12				
		N	N	23.8				
		N	N	10.8				
		N	N	<0.08				
		N	N	45				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.060			
		N	N		0.120			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.030			
		N	N		<0.005			
		N	N		0.080			
		N	N		0.030			
		N	N		0.010			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.040			
		N	N		1260			
		N	N		6.0			
		N	N		208			
		N	N		3690			
		N	N		<0.1			
		N	N		208			
Leach Test Information								
		N	N					
		N	N					
		N	N					

[illegible]

envirolab
Unit 12 Stanton Industrial Estate, Stanton, Ely, Cambridgeshire CB7 4AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 24/12345
Issue Number: 1 **Date:** 01/01/2024

Client: Client Name
Client Address
Client Address
Client Address
Client Address
Client Address
Client Address

Project Manager: Project Manager Name
Project Name: Project Name
Project Ref: 12345
Order No: PO1234
Date Samples Received: 01/01/2024
Date Instructions Received: 01/01/2024
Date Analysis Completed: 01/01/2024

Prepared by: [redacted]

Approved by: [redacted]

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Envirolab Job Number: 19/11207

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11207/1	19/11207/5	19/11207/7					Units	Limit of Detection	Method ref
Client Sample No	1	101	103							
Client Sample ID	SD2019_2	SD2019_2	SD2019_2							
Depth to Top	1.7	3.1	12.1							
Depth To Bottom	2.00	3.50	12.50							
Date Sampled	21-Nov-19	21-Nov-19	21-Nov-19							
Sample Type	Soil	Solid	Soil - ES							
Sample Matrix Code	4	7	4							
% Stones >10mm$_A$	<0.1	<0.1	<0.1					% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	9.56	9.23	7.55					pH	0.01	A-T-031s
pH BRE$_D$$^{M\#}$	-	9.23	7.55					pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	-	2.71	93.3					mg/kg	0.26	A-T-033s
Ammonium NH4 BRE (water sol 2:1)$_D$	-	1.35	46.6					mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D$$^{M\#}$	-	<7	1380					mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	-	<0.4	<0.4					mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	-	<10	521					mg/l	10	A-T-026s
Sulphate (acid soluble)$_D$$^{M\#}$	-	<200	6300					mg/kg	200	A-T-028s
Sulphate BRE (acid sol)$_D$$^{M\#}$	-	<0.02	0.63					% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	-	<0.01	5.81					% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	-	1	133					mg/l	1	A-T-SOLMETS
Cyanide (free)$_A$$^{M\#}$	-	<1	<1					mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	-	<1	<1					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	-	<0.2	<0.2					mg/kg	0.2	A-T-050s
Sulphide$_A$	-	<5	370					mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	<0.6	<0.6	78.1					% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.05	0.06	17.3					% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	-	0.0006	0.1730					N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	-	1	4					mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	-	<1.0	6.8					mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	-	<0.5	2.0					mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	-	3	<1					mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	-	64	3					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	<1	<1					mg/kg	1	A-T-040s
Iron$_D$	-	3660	45700					mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	-	2	<1					mg/kg	1	A-T-024s
Mercury$_D$	-	<0.17	<0.17					mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	-	55	4					mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	-	<1	1					mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	-	2	10					mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	-	<5	<5					mg/kg	5	A-T-024s

Envirolab Job Number: 19/11207

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11207/1	19/11207/5	19/11207/7					Units	Limit of Detection	Method ref
Client Sample No	1	101	103							
Client Sample ID	SD2019_2	SD2019_2	SD2019_2							
Depth to Top	1.7	3.1	12.1							
Depth To Bottom	2.00	3.50	12.50							
Date Sampled	21-Nov-19	21-Nov-19	21-Nov-19							
Sample Type	Soil	Solid	Soil - ES							
Sample Matrix Code	4	7	4							
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	-	NAD	NAD							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	-	N/A	N/A							A-T-045

Envirolab Job Number: 19/11207

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11207/1	19/11207/5	19/11207/7					Units	Limit of Detection	Method ref
Client Sample No	1	101	103							
Client Sample ID	SD2019_2	SD2019_2	SD2019_2							
Depth to Top	1.7	3.1	12.1							
Depth To Bottom	2.00	3.50	12.50							
Date Sampled	21-Nov-19	21-Nov-19	21-Nov-19							
Sample Type	Soil	Solid	Soil - ES							
Sample Matrix Code	4	7	4							
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	-	<0.01	<0.01					mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	-	<0.01	<0.01					mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	-	<0.02	<0.02					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	-	<0.04	<0.04					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	-	<0.04	<0.04					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	-	<0.05	<0.05					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	-	<0.05	<0.05					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	-	<0.07	<0.07					mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	-	<0.06	<0.06					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	-	<0.04	<0.04					mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	-	<0.08	<0.08					mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	-	<0.01	<0.01					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	-	<0.03	<0.03					mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	-	<0.03	<0.03					mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	-	<0.03	<0.03					mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	-	<0.07	<0.07					mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	-	<0.08	<0.08					mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	19/11207
		Date Received:	26/11/2019 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	8.7 & 8.9
Clients Project No:	734318		

NO DEVIATIONS IDENTIFIED

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Final Test Report

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Notes - Soil analysis

[illegible]

[illegible]

[illegible]

Notes - General

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Predominant Matrix Codes: [illegible]

Secondary Matrix Codes [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/11207/1				
				1		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	9.56				
		N	N	0.07				
		N	N	0.07				
		N	N	<0.6				
		N	N	0.05				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.030			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.005			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		0.030			
		N	N		11			
		N	N		<1			
		N	N		<10			
		N	N		<200			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

envirolab

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
% Stones >10mm$_A$	<0.1	<0.1	<0.1	19.9				% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	9.06	7.88	-	10.47				pH	0.01	A-T-031s
pH BRE$_D$$^{M\#}$	9.06	7.88	7.11	10.47				pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	3.03	34.3	-	-				mg/kg	0.26	A-T-033s
Ammonium NH4 BRE (water sol 2:1)$_D$	1.52	17.2	8.90	<1.00				mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1)$_D$$^{M\#}$	69	677	1460	323				mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1)$_D$	<0.4	<0.4	<0.4	<0.4				mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	22	411	392	187				mg/l	10	A-T-026s
Sulphate (acid soluble)$_D$$^{M\#}$	<200	2200	-	-				mg/kg	200	A-T-028s
Sulphate BRE (acid sol)$_D$$^{M\#}$	<0.02	0.22	0.57	0.10				% w/w	0.02	A-T-028s
Sulphur BRE (total)$_D$	<0.01	2.42	3.55	0.05				% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1)$_D$	<1	56	282	<1				mg/l	1	A-T-SOLMETS
Cyanide (free)$_A$$^{M\#}$	<1	<1	-	-				mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	<1	-	-				mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	-	-				mg/kg	0.2	A-T-050s
Sulphide$_A$	7	<5	-	-				mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.0	7.6	-	1.4				% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.07	2.36	-	0.10				% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0007	0.0236	-	-				N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	25	14	-	-				mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	1.3	-	-				mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	0.5	-	-				mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1	8	-	-				mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	8	39	-	-				mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	-	-				mg/kg	1	A-T-040s
Iron$_D$	17100	29800	-	-				mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	12	15	-	-				mg/kg	1	A-T-024s
Mercury$_D$	<0.17	0.23	-	-				mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	4	24	-	-				mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	-	-				mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	22	67	-	-				mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	16	57	-	-				mg/kg	5	A-T-024s
Ali >C5-C6$_A$$^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
Ali >C6-C8$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	-	-				mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	-	-	-				mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	-	-	-				mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	5	-	-	-				mg/kg	1	A-T-055s
Ali >C21-C35$_A$	113	-	-	-				mg/kg	1	A-T-055s
Total Aliphatics$_A$	117	-	-	-				mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	-	-	-				mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	-	-	-				mg/kg	1	A-T-055s
Aro >C12-C16$_A$	1	-	-	-				mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	3	-	-	-				mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	12	-	-	-				mg/kg	1	A-T-055s
Total Aromatics$_A$	16	-	-	-				mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	134	-	-	-				mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-	-				mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*	-	-	-						A-T-001
pH (leachable)$_A^{\#}$	7.99	-	-	-				pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	0.072	-	-	-				mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	0.06	-	-	-				mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	<0.1	-	-	-				mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	6.74	-	-	-				mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005	-	-	-				mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005	-	-	-				mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	<0.1	-	-	-				mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	6	-	-	-				µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	23	-	-	-				µg/l	10	A-T-025w

Envirolab Job Number: 19/11232 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
Cadmium (leachable)$_{A}^{\#}$	<1	-	-	-				µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	<1	-	-	-				µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	<1	-	-	-				µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	<0.05	-	-	-				mg/l	0.05	A-T-040w
Iron (leachable)$_{A}^{\#}$	13	-	-	-				µg/l	10	A-T-025w
Lead (leachable)$_{A}^{\#}$	<1	-	-	-				µg/l	1	A-T-025w
Manganese (leachable)$_{A}^{\#}$	29	-	-	-				µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	<0.1	-	-	-				µg/l	0.1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	<1	-	-	-				µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	<1	-	-	-				µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	1	-	-	-				µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	3	-	-	-				µg/l	1	A-T-025w
Gamma Spec HR$_{A}$	Appended	-	-	-						Subcon Soco-Did
Gross Alpha + Gross Beta$_{A}^{\#}$	Appended	-	-	-					100	Subcon Soco-Did
Tritium (Total)$_{A}^{\#}$	Appended	-	-	-					50	Subcon Soco-Did
Carbon-14$_{A}$	Appended	-	-	-					50	Subcon Soco-Did
Calcium (leachable)$_{A}$	14	-	-	-				mg/l	1	A-T-049w
Acid Herbicides										
2,4,5-T$_{A}$	<0.5	-	-	-				mg/kg	0.5	Subcon Chemtest
2,4-D$_{A}$	<0.5	-	-	-				mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_{A}$	<0.5	-	-	-				mg/kg	0.5	Subcon Chemtest
MCPA$_{A}$	<0.5	-	-	-				mg/kg	0.5	Subcon Chemtest
MCPB$_{A}$	<0.5	-	-	-				mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_{A}$	<0.5	-	-	-				mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	-	-						A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	-	-						A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Tecnazene$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Trifluralin$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Quintozene (PCNB)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Chlorothalonil$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Triallate$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Heptachlor$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Aldrin$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Triadimefon$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Telodrin$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Isodrin$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Pendimethalin$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Heptachlor epoxide$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Dieldrin$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Endrin$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
p,p-DDD (4,4)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Endrin Ketone$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Dichlorvos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Mevinphos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Demeton-S$_A$	<0.50	-	-	-				mg/kg	0.5	A-T-056
Demeton-O$_A$	<0.50	-	-	-				mg/kg	0.5	A-T-056
Phorate$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Dimethoate$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Propetamphos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Disulfoton$_A$	<0.10	-	-	-				mg/kg	0.1	A-T-056
Etrimphos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Methyl Parathion$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Fenitrothion$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Fensulphothion$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Fenthion$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Malathion$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Trichloronate$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Ethion$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Triazophos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
Sulprofos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Carbophenothion$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Phosalone$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056
Coumaphos$_A$	<0.01	-	-	-				mg/kg	0.01	A-T-056

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	<0.01	<0.01	-	-				mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	<0.01	<0.01	-	-				mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	<0.02	<0.02	-	-				mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	<0.04	<0.04	-	-				mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	<0.04	<0.04	-	-				mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	<0.05	<0.05	-	-				mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	<0.05	<0.05	-	-				mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	<0.07	<0.07	-	-				mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	<0.06	<0.06	-	-				mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	<0.04	<0.04	-	-				mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	<0.08	<0.08	-	-				mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	<0.01	<0.01	-	-				mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	<0.03	<0.03	-	-				mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	<0.03	<0.03	-	-				mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	<0.03	<0.03	-	-				mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	<0.07	<0.07	-	-				mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	<0.08	<0.08	-	-				mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	<0.002	-	-	-				mg/kg	0.002	A-T-004s
PCB BZ $52_A^{M\#}$	<0.002	-	-	-				mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	<0.004	-	-	-				mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	<0.007	-	-	-				mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	<0.006	-	-	-				mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	<0.004	-	-	-				mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	<0.004	-	-	-				mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	<0.007	-	-	-				mg/kg	0.002	A-T-004s

envirolab

Envirolab Job Number: 19/11232 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	Appended	-	-	-						A-T-052s
Hexachlorobenzene$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Carbazole$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-	-	-				µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-	-	-				µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-	-	-				µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Phenol$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-	-	-				µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-	-	-				µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-	-	-				µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Isophorone$_A$	<100	-	-	-				µg/kg	100	A-T-052s

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
Hexachloroethane$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<100	-	-	-				µg/kg	100	A-T-052s
Perylene$_A$	<100	-	-	-				µg/kg	100	A-T-052s

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
VOC+TICs										
Dichlorodifluoromethane$_{A}$	<1	-	-	-				µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-	-	-				µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-	-	-				µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-	-	-				µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-	-	-				µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10	-	-	-				µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<3	-	-	-				µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s

Envirolab Job Number: 19/11232

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11232/1	19/11232/2	19/11232/3	19/11232/4				Units	Limit of Detection	Method ref
Client Sample No	101	102	103	WAC1						
Client Sample ID	CH2019_R2	CH2019_R2	CH2019_R2	CH2019_R2						
Depth to Top	1.20	7.20	10.00	1.60						
Depth To Bottom	1.30	7.30	10.10	1.70						
Date Sampled	25-Nov-19	25-Nov-19	26-Nov-19	25-Nov-19						
Sample Type	Soil - ES	Soil - ES	Solid	Soil - ES						
Sample Matrix Code	4A	5E	7	4AE						
Chlorobenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	-	-	-				µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	-	-	-				µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	-	-	-				µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	-	-	-				µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	-	-	-				µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	-	-	-				µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	-	-	-				µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	-	-	-				µg/kg	3	A-T-006s
VOC TICs$_{A}$	None detected	-	-	-						A-T-006s

REPORT NOTES

General

Soil chemical analysis:

with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/11232

Date Received: 27/11/2019 (am)

Cool Box Temperatures (°C): 12.1

NO DEVIATIONS IDENTIFIED

Analysis of a Soil Sample

Envirolab Ltd
Units 7 & 8
Sandpits Business Park
Mottram Road
Hyde
SK14 3AR

Testing Facility: SOCOTEC UK
Unit 12, Moorbrook
Southmead Industrial Park
Didcot
Oxfordshire
OX11 7HP

Laboratory Reference:	19-1095
Customer Reference:	19/11232 (Site Ref: 734318)
Quote Number:	ENR-ANU-9581Rev1
PO Number:	P0742508
Sample Received:	28 November 2019
Sample Condition:	Satisfactory, Ambient
Analysis Completed:	17 December 2019
Report Auth[redacted]	
Author's Name:	Charlene Hunston
Job Title:	Team Leader
Approved By:	[redacted]
Approver's Name:	Trevor Harding
Job Title:	Senior Analyst
Report Date:	18 December 2019

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Sample Summary

Customer Reference	Laboratory Reference	Matrix	Sampling Date
19/11232/1 101, CH2019_R2 1.20-1.30m	RX6590	Soil	25/11/2019 12:00

Experimental

Tritium

ANU/SOP/2094 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the hydrogen and tritium were converted to water vapour. These were then selectively trapped in a series of gas-bubblers containing dilute acid. Aliquots of known weight were then assessed for their tritium content by liquid scintillation counting. The tritium activity was corrected for the proportion of the bubbler trapping solution taken and for the weight of combusted sample.

Carbon-14

ANU/SOP/2103 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the carbon species were converted to carbon dioxide, which were then selectively trapped in a series of gas-bubblers containing a trapping medium. Aliquots of known weight were then assessed for their ^{14}C content by liquid scintillation counting. Hence the total recovered ^{14}C was calculated from the total weights of each respective trapping medium.

Gross Alpha/Beta

ANU/SOP/2005 – A portion of each sample was slurried in meths and then vacuum filtered onto glass fibre filter paper in a pre-calibrated geometry, to produce a source for counting. After air-drying, the sample was weighed, then counted on a Berthold LB770 low-level gas-flow proportional counter for an appropriate length of time.

Gamma Spectrometry

ANU/SOP/2029 – The measurement technique is based on the use of high purity germanium (HPGe) detectors coupled to an Ortec gamma ray spectroscopy system. The gamma ray spectra are stored on a computer and analysed using the software programme Fitzpeaks for photopeak identification and quantification. The detectors are calibrated for efficiency using a mixed radionuclide standard, which covers an energy range of approximately 30-2000 keV. The efficiency of gamma rays between 30 keV and 120 keV are determined on an individual basis.

Application of decay corrections for the naturally occurring daughter radionuclides of uranium and thorium assumes that the series daughter radionuclides are all in secular equilibrium and therefore decay with the half-life of the first radionuclide in the series." (^{226}Ra is not UKAS accredited)

Deviating Sample Disclaimer

The reported results are representative of the sample upon receipt. However,

E) Sample processing did not commence within the appropriate holding time (annotated with "†" in the tables below)

Consequently the sample is considered deviating and the validity of the reported data may be compromised.

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Results

Results are presented in the following tables.

Any opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.

The results in this test report relate only to the items tested. This test report must not be reproduced except in full, without written approval of the laboratory.

Results Summary – Tritium and Carbon-14

Customer Reference	Laboratory Reference	H-3 †	C-14
19/11232/1 101, CH2019_R2 1.20-1.30m	**RX6590**	<11	<8.9

Notes:
1. Results are presented as $Bq.kg^{-1}$ of sample as received and are decay corrected to the sampling date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.
3. † Sample processing did not commence within the appropriate holding time.

Results Summary – Gross Alpha/Beta

Customer Reference	Laboratory Reference	Analysis Date	Gross Alpha as Pu-242	Gross Beta as Cs-137
19/11232/1 101, CH2019_R2 1.20-1.30m	**RX6590**	13/12/2019	<110	192 ± 62

Notes:
1. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample, relative to the analysis date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.

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Results Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Be-7	K-40	Co-60	Cs-134	Cs-137	Tl-208	Pb-210	Bi-212	Pb-212
19/11232/1 101, CH2019_R2 1.20-1.30m	RX6590	<8.2	133 ± 23	<1.3	<1.3	<1.1	2.54 ± 0.91	<30	<16	7.1 ± 1.5

Customer Reference	Laboratory Reference	Bi-214	Pb-214	Ra-224	Ra-226 *	Ac-228	Pa-234m	Th-234	U-235	Am-241
19/11232/1 101, CH2019_R2 1.20-1.30m	RX6590	6.8 ± 2.0	4.8 ± 1.7	<27	<23	11.1 ± 3.8	<160	<36	<1.5	<2.7

Notes:

1. Analyses and/or samples marked with an asterisk are not covered under UKAS schedule 1252.
2. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample and are decay corrected to the sampling date.
3. For results below the Limit of Detection, the LoD is rounded up to 2 significant figures.
4. Results above the LoD are reported with expanded (2σ) uncertainties based on a total uncertainty budget.
5. Uncertainties are rounded to 2 significant figures; results are rounded to the same precision.
6. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the samples are assumed to be homogeneous.
7. ^{226}Ra has only one gamma ray at 186 keV and the major gamma ray from ^{235}U also occurs at 186 keV. ^{235}U can be measured by the lower abundance gamma ray at 144 keV and if a positive result for ^{235}U is reported, the ^{226}Ra result will be unreliable and overestimated. However even if ^{235}U is below the LoD there may still be a contribution to the ^{226}Ra from ^{235}U and the ^{226}Ra result may be unreliable and overestimated. If an accurate result for ^{226}Ra is required this is better obtained by radiochemical analysis.

- End of Report -

UKAS TESTING
1252

SVOC Tentatively Identified Compounds
(Note: TIC Results are reported on an as received basis and are not moisture corrected).

Appendix to Envirolab Report:

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 19/11461
Issue Number: 1 **Date:** 12 December, 2019

Client: Structural Soils Limited (Bristol)
The Old School
Stillhouse Lane
Bedminster
Bristol
UK
BS3 4EB

Project Manager: Danielle Lightfoot/Eloise Harman/Glen Spence/Helen
Project Name: Sizewell C
Project Ref: 734318
Order No: N/A
Date Samples Received: 28/11/19
Date Instructions Received: 03/12/19
Date Analysis Completed: 12/12/19

Prepared by: **Approved by:**

[redacted]

Client Manager

John Gustafson
Managing Director

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME
UKAS TESTING 1247

Envirolab Job Number: 19/11461

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11461/2							Units	Limit of Detection	Method ref
Client Sample No	101									
Client Sample ID	SD2019_1									
Depth to Top	5.00									
Depth To Bottom	5.20									
Date Sampled	26-Nov-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
% Stones >10mm$_A$	15.5							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.89							pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as $NH4_D$	0.76							mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200							mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1							mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2							mg/kg	0.2	A-T-050s
Sulphide$_A$	<5							mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.4							% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.06							% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0006							N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	3							mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	7							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Iron$_D$	2650							mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	2							mg/kg	1	A-T-024s
Mercury$_D$	<0.17							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	3							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	<5							mg/kg	5	A-T-024s

Envirolab Job Number: 19/11461

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11461/2							Units	Limit of Detection	Method ref
Client Sample No	101									
Client Sample ID	SD2019_1									
Depth to Top	5.00									
Depth To Bottom	5.20									
Date Sampled	26-Nov-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A									A-T-045

Envirolab Job Number: 19/11461

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11461/2							Units	Limit of Detection	Method ref
Client Sample No	101									
Client Sample ID	SD2019_1									
Depth to Top	5.00									
Depth To Bottom	5.20									
Date Sampled	26-Nov-19									
Sample Type	Soil - ES									
Sample Matrix Code	4A									
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08							mg/kg	0.01	A-T-019s

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/11461

Date Received: 03/12/2019 (am)

Cool Box Temperatures (°C): 8.4

Lab Sample ID	19/11461/2
Client Sample No	101
Client Sample ID/Depth	SD2019_1 5.00-5.20m
Date Sampled	26/11/19
Deviation Code	
F	✓

Key
F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

HOLDING TIME EXCEEDANCES

Lab Sample ID	19/11461/2
Client Sample No	101
Client Sample ID/Depth	SD2019_1 5.00-5.20m
Date Sampled	26/11/19
Sulphide	✓

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

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Final Test Report

[redacted]

[redacted]

[redacted]

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/11461/3				
				WAC2		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	8.77				
		N	N	0.14				
		N	N	0.04				
		N	N	<0.6				
		N	N	0.18				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		<0.01			
		N	N		0.050			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.005			
		N	N		0.070			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		134			
		N	N		<1			
		N	N		10			
		N	N		680			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager: M Add
Project Name:
Project Ref:
Order No: A
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by:

[redacted]

M M

Approved by:

[redacted]

A

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Envirolab Job Number: 19/11863 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
% Stones >10mm$_A$	<0.1	7.2	<0.1	<0.1	<0.1			% w/w	0.1	A-T-044
pH$_D^{M\#}$	8.65	7.68	7.92	8.30	7.39			pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	<0.26	101	8.26	<0.26	56.9			mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D^{M\#}$	<200	2200	430	<200	3200			mg/kg	200	A-T-028s
Cyanide (free)$_A^{M\#}$	<1	<1	<1	<1	<1			mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1	<1	<1	<1			mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2			mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	<5	<5	<5	<5			mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D^{M\#}$	0.9	14.0	3.9	0.9	11.4			% w/w	0.6	A-T-030s
Total Organic Carbon$_D^{M\#}$	0.18	5.52	1.56	0.09	6.21			% w/w	0.03	A-T-032s
Fraction of organic carbon$_D^{\#}$	0.0018	0.0552	0.0156	0.0009	0.0621			N/A	0.0003	A-T-032 FOC
Arsenic$_D^{M\#}$	21	17	36	23	22			mg/kg	1	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	1.6	<1.0	<1.0	5.0			mg/kg	1	A-T-027s
Cadmium$_D^{M\#}$	<0.5	1.3	0.7	0.7	1.2			mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	<1	10	15	1	8			mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	5	38	17	8	21			mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1			mg/kg	1	A-T-040s
Iron$_D$	5710	26400	13400	15400	24800			mg/kg	50	A-T-024s
Lead$_D^{M\#}$	2	16	17	8	13			mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17			mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	3	27	6	5	15			mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	<1	<1	2			mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	11	72	21	20	37			mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	12	56	106	41	33			mg/kg	5	A-T-024s
Ali >C5-C6$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	<1	-	-			mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	-	<1	-	-			mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	-	<1	-	-			mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	-	<1	-	-			mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	-	5	-	-			mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	5	-	-			mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s

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Envirolab Job Number: 19/11863 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
Aro >C7-C8$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	3	-	-			mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	-	<1	-	-			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	<1	-	-			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	<1	-	-			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	13	-	-			mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	15	-	-			mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	-	-	19	-	-			mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	<0.01	-	-			mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*	*	*	-	-					A-T-001
pH (leachable)$_A^{\#}$	7.89	7.93	7.82	-	-			pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	0.070	8.567	0.072	-	-			mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	0.05	6.64	0.06	-	-			mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	2.0	<0.1	0.3	-	-			mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	<1.00	34.48	<1.00	-	-			mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005	<0.005	<0.005	-	-			mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005	<0.005	<0.005	-	-			mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	<0.1	<0.1	<0.1	-	-			mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	8	11	5	-	-			µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	99	89	36	-	-			µg/l	10	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1	<1	<1	-	-			µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	<1	1	2	-	-			µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	<1	<1	<1	-	-			µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.05	<0.05	<0.05	-	-			mg/l	0.05	A-T-040w
Iron (leachable)$_A^{\#}$	208	215	444	-	-			µg/l	10	A-T-025w
Lead (leachable)$_A^{\#}$	<1	3	3	-	-			µg/l	1	A-T-025w
Manganese (leachable)$_A^{\#}$	14	102	60	-	-			µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	<0.1	<0.1	<0.1	-	-			µg/l	0.1	A-T-025w

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Envirolab Job Number: 19/11863 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
Nickel (leachable)$_A^\#$	<1	2	1	-	-			µg/l	1	A-T-025w
Selenium (leachable)$_A^\#$	<1	<1	<1	-	-			µg/l	1	A-T-025w
Vanadium (leachable)$_A^\#$	2	12	5	-	-			µg/l	1	A-T-025w
Zinc (leachable)$_A^\#$	3	8	19	-	-			µg/l	1	A-T-025w
Gamma Spec HR$_A$	-	-	Appended	-	-					Subcon Soco-Did
Gross Alpha + Gross Beta$_A^\#$	-	-	Appended	-	-				100	Subcon Soco-Did
Tritium (Total)$_A^\#$	-	-	Appended	-	-				50	Subcon Soco-Did
Carbon-14$_A$	-	-	Appended	-	-				50	Subcon Soco-Did
Calcium (leachable)$_A$	8	31	14	-	-			mg/l	1	A-T-049w
Acid Herbicides										
2,4,5-T$_A$	-	-	<0.5	-	-			mg/kg	0.5	Subcon Chemtest
2,4-D$_A$	-	-	<0.5	-	-			mg/kg	0.5	Subcon Chemtest
2,4-DP; (Dichlorprop)$_A$	-	-	<0.5	-	-			mg/kg	0.5	Subcon Chemtest
MCPA$_A$	-	-	<0.5	-	-			mg/kg	0.5	Subcon Chemtest
MCPB$_A$	-	-	<0.5	-	-			mg/kg	0.5	Subcon Chemtest
MCPP; (Mecoprop)$_A$	-	-	<0.5	-	-			mg/kg	0.5	Subcon Chemtest

Envirolab Job Number: 19/11863

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	NAD	NAD					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A					A-T-045
OCP+OPP Combined Pest Suite (excl. Atrazine and Simazine)										
Dichlobenil$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Tecnazene$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Trifluralin$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Quintozene (PCNB)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Chlorothalonil$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Triallate$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Heptachlor$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Aldrin$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Triadimefon$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Telodrin$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Isodrin$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Pendimethalin$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Heptachlor epoxide$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
trans-Chlordane (Gamma)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
o,p-DDE (2,4)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Endosulphan I (Alpha)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
cis-Chlordane (Alpha)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
p,p-DDE (4,4)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Dieldrin$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
o,p-DDD (2,4)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Endrin$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Endosulphan II (Beta)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
p,p-DDD (4,4)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
o,p-DDT (2,4)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Endrin Aldehyde$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Endrin Ketone$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Endosulphan Sulphate$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
p,p-DDT (4,4)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
o,p-Methoxychlor$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
p,p-Methoxychlor$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Permethrin I (cis)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Permethrin II (trans)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Dichlorvos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Mevinphos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Demeton-S$_A$	-	-	<0.50	-	-			mg/kg	0.5	A-T-056
Demeton-O$_A$	-	-	<0.50	-	-			mg/kg	0.5	A-T-056
Phorate$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Dimethoate$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Propetamphos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Diazinon (Dimpylate)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Disulfoton$_A$	-	-	<0.10	-	-			mg/kg	0.1	A-T-056
Etrimphos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Chlorpyrifos-methyl$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Methyl Parathion$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Pirimiphos-methyl$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Fenitrothion$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Fensulphothion$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Fenthion$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Malathion$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Chlorfenvinphos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Chlorpyrifos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Trichloronate$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Prothiofos (Tokuthion)$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Ethion$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Triazophos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056

Envirolab Job Number: 19/11863 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
Sulprofos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Carbophenothion$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Phosalone$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Azinphos-methyl$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Azinphos-ethyl$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056
Coumaphos$_A$	-	-	<0.01	-	-			mg/kg	0.01	A-T-056

Envirolab Job Number: 19/11863

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	<0.02			mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04			mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07			mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	<0.06	<0.06	<0.06			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04			mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	<0.08			mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03			mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03			mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03			mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07			mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	<0.08			mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/11863

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
Speciated PCB-EC7										
PCB BZ 28_A M#	-	-	<0.002	-	-			mg/kg	0.002	A-T-004s
PCB BZ 52_A M#	-	-	<0.002	-	-			mg/kg	0.002	A-T-004s
PCB BZ 101_A M#	-	-	<0.004	-	-			mg/kg	0.004	A-T-004s
PCB BZ 118_A M#	-	-	<0.007	-	-			mg/kg	0.007	A-T-004s
PCB BZ 138_A M#	-	-	<0.006	-	-			mg/kg	0.006	A-T-004s
PCB BZ 153_A M#	-	-	<0.004	-	-			mg/kg	0.004	A-T-004s
PCB BZ 180_A M#	-	-	<0.004	-	-			mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7 $_A$ M#	-	-	<0.007	-	-			mg/kg	0.002	A-T-004s

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Envirolab Job Number: 19/11863 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
SVOC + TICs (excluding PAH-16)										
SVOC TICs (Tentatively Identified Compounds)$_A$	-	-	None detected	-	-					A-T-052s
Hexachlorobenzene$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Carbazole$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	<500	-	-			µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	<200	-	-			µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Phenol$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	<500	-	-			µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Isophorone$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s

Envirolab Job Number: 19/11863

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
Hexachloroethane$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s
Perylene$_A$	-	-	<100	-	-			µg/kg	100	A-T-052s

Envirolab Job Number: 19/11863

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
VOC+TICs										
Dichlorodifluoromethane$_{A}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	<10	-	-			µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	<5	-	-			µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	<5	-	-			µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	<2	-	-			µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	<10	-	-			µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	-	<3	-	-			µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s

Envirolab Job Number: 19/11863 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/11863/2	19/11863/8	19/11863/11	19/11863/13	19/11863/14			Units	Limit of Detection	Method ref
Client Sample No	101	104	100	102	103					
Client Sample ID	SPT2019_5	SPT2019_5	SPT2019_6	SPT2019_6	SPT2019_6					
Depth to Top	0.50	4.30	0.10	1.00	3.00					
Depth To Bottom										
Date Sampled	09-Dec-19	09-Dec-19	06-Dec-19	06-Dec-19	09-Dec-19					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	5A	6AE	4AE	5A					
Chlorobenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	-	<2	-	-			µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	-	<2	-	-			µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	-	<3	-	-			µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	-	<1	-	-			µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	-	<3	-	-			µg/kg	3	A-T-006s
VOC TICs$_{A}$	-	-	None detected	-	-					A-T-006s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/11863

Date Received: 13/12/2019 (am)

Cool Box Temperatures (°C): 6.6, 6.5, 9.6

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
Deviation Code		
	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
	✓	✓

Analysis of a Soil Sample

Envirolab Ltd
Units 7 & 8
Sandpits Business Park
Mottram Road
Hyde
SK14 3AR

Testing Facility: SOCOTEC UK
Unit 12, Moorbrook
Southmead Industrial Park
Didcot
Oxfordshire
OX11 7HP

Laboratory Reference:	19-1156
Customer Reference:	19/11863 (Site Ref: 734318)
Quote Number:	ENR-ANU-9581Rev1
PO Number:	P0742659
Sample Received:	16 December 2019
Sample Condition:	Satisfactory, Ambient
Analysis Completed:	14 January 2020
Report Author:	[redacted]
Author's Name:	Charlene Hunston
Job Title:	Team Leader
Approved By	[redacted]
Approver's Name:	Trevor Harding
Job Title:	Senior Analyst
Report Date:	15 January 2020

1252

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Sample Summary

Customer Reference	Laboratory Reference	Matrix	Sampling Date
19/11863/11 SPT2019_6 0.10m	RX6945	Soil	06/12/2019 12:00

Experimental

Tritium

ANU/SOP/2094 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the hydrogen and tritium were converted to water vapour. These were then selectively trapped in a series of gas-bubblers containing dilute acid. Aliquots of known weight were then assessed for their tritium content by liquid scintillation counting. The tritium activity was corrected for the proportion of the bubbler trapping solution taken and for the weight of combusted sample.

Carbon-14

ANU/SOP/2103 – A sub-sample of known weight was taken from each sample and combusted in an oxygen rich atmosphere in the presence of a copper oxide catalyst. Under these conditions the carbon species were converted to carbon dioxide, which were then selectively trapped in a series of gas-bubblers containing a trapping medium. Aliquots of known weight were then assessed for their ^{14}C content by liquid scintillation counting. Hence the total recovered ^{14}C was calculated from the total weights of each respective trapping medium.

Gross Alpha/Beta

ANU/SOP/2005 – A portion of each sample was slurried in meths and then vacuum filtered onto glass fibre filter paper in a pre-calibrated geometry, to produce a source for counting. After air-drying, the sample was weighed, then counted on a Berthold LB770 low-level gas-flow proportional counter for an appropriate length of time.

Gamma Spectrometry

ANU/SOP/2029 – The measurement technique is based on the use of high purity germanium (HPGe) detectors coupled to an Ortec gamma ray spectroscopy system. The gamma ray spectra are stored on a computer and analysed using the software programme Fitzpeaks for photopeak identification and quantification. The detectors are calibrated for efficiency using a mixed radionuclide standard, which covers an energy range of approximately 30-2000 keV. The efficiency of gamma rays between 30 keV and 120 keV are determined on an individual basis.

Application of decay corrections for the naturally occurring daughter radionuclides of uranium and thorium assumes that the series daughter radionuclides are all in secular equilibrium and therefore decay with the half-life of the first radionuclide in the series." (^{226}Ra is not UKAS accredited)

Deviating Sample Disclaimer

The reported results are representative of the sample upon receipt. However,

E) Sample processing did not commence within the appropriate holding time (annotated with "†" in the tables below)

Consequently the sample is considered deviating and the validity of the reported data may be compromised.

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Results

Results are presented in the following tables.

Any opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.

The results in this test report relate only to the items tested. This test report must not be reproduced except in full, without written approval of the laboratory.

Results Summary – Tritium and Carbon-14

Customer Reference	Laboratory Reference	H-3 †	C-14
19/11863/11 SPT2019_6 0.10m	**RX6945**	<12	<6.8

Notes:
1. Results are presented as $Bq.kg^{-1}$ of sample as received and are decay corrected to the sampling date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.
3. † Sample processing did not commence within the appropriate holding time.

Results Summary – Gross Alpha/Beta

Customer Reference	Laboratory Reference	Analysis Date	Gross Alpha as Pu-242	Gross Beta as Cs-137
19/11863/11 SPT2019_6 0.10m	**RX6945**	13/01/2020	94 ± 52	299 ± 82

Notes:
1. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample, relative to the analysis date.
2. Uncertainties are quoted at 2 s.d. based on a total uncertainty budget.

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Results Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Be-7	K-40	Co-60	Cs-134	Cs-137	Tl-208	Pb-210	Bi-212	Pb-212
19/11863/11 SPT2019_6 0.10m	RX6945	<12	194 ± 29	<1.5	<1.8	<1.3	3.7 ± 1.2	<33	<20	10.9 ± 2.0

Customer Reference	Laboratory Reference	Bi-214	Pb-214	Ra-224	Ra-226 *	Ac-228	Pa-234m	Th-234	U-235	Am-241
19/11863/11 SPT2019_6 0.10m	RX6945	9.1 ± 2.6	11.7 ± 2.4	<38	<26	13.2 ± 4.7	<150	<35	<1.7	<4.3

Notes:

1. Analyses and/or samples marked with an asterisk are not covered under UKAS schedule 1252.
2. Results are presented as $Bq.kg^{-1}$ of dried and homogenised sample and are decay corrected to the sampling date.
3. For results below the Limit of Detection, the LoD is rounded up to 2 significant figures.
4. Results above the LoD are reported with expanded (2σ) uncertainties based on a total uncertainty budget.
5. Uncertainties are rounded to 2 significant figures; results are rounded to the same precision.
6. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the samples are assumed to be homogeneous.
7. ^{226}Ra has only one gamma ray at 186 keV and the major gamma ray from ^{235}U also occurs at 186 keV. ^{235}U can be measured by the lower abundance gamma ray at 144 keV and if a positive result for ^{235}U is reported, the ^{226}Ra result will be unreliable and overestimated. However even if ^{235}U is below the LoD there may still be a contribution to the ^{226}Ra from ^{235}U and the ^{226}Ra result may be unreliable and overestimated. If an accurate result for ^{226}Ra is required this is better obtained by radiochemical analysis.

- End of Report -

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envirolab
Unit 12 Donard Business Park 31 Donard Road Carryduff BT8 8AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 24/12345

Issue Number: 1 **Date:** 15th November 2024

Client: Mr Client Name
Client Address
Client Address
Client Address
Client Address
Client Address
Client Address

Project Manager: Project Manager Name
Project Name: Project Name
Project Ref: 12345
Order No: PO123
Date Samples Received: 12/11/24
Date Instructions Received: 12/11/24
Date Analysis Completed: 15/11/24

Prepared by: **Approved by:**

[redacted] [redacted]

Author Name Approver Name
Author Address Approver Address

Envirolab Job Number: 19/11929

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11929/2	19/11929/5	19/11929/6					Units	Limit of Detection	Method ref
Client Sample No	101	WAC3	103							
Client Sample ID	SPT2019_1	SPT2019_1	SPT2019_1							
Depth to Top	0.7	3.3	4.0							
Depth To Bottom										
Date Sampled	12-Dec-19	12-Dec-19	12-Dec-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	6AE	5AE							
% Stones >10mm$_A$	35.1	<0.1	<0.1					% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.35	7.19	7.35					pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	<0.26	-	31					mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	300	-	3100					mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1	-	<1					mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	-	<1					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	-	<0.2					mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	-	420					mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.2	31.1	18.3					% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.08	17.7	6.60					% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0008	-	0.0660					N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	6	-	13					mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	-	2.0					mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	-	1.1					mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1	-	9					mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	5	-	39					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	<1					mg/kg	1	A-T-040s
Iron$_D$	7530	-	31000					mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	3	-	13					mg/kg	1	A-T-024s
Mercury$_D$	<0.17	-	<0.17					mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	3	-	29					mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	-	<1					mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	12	-	74					mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	10	-	61					mg/kg	5	A-T-024s

Envirolab Job Number: 19/11929

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11929/2	19/11929/5	19/11929/6					Units	Limit of Detection	Method ref
Client Sample No	101	WAC3	103							
Client Sample ID	SPT2019_1	SPT2019_1	SPT2019_1							
Depth to Top	0.7	3.3	4.0							
Depth To Bottom										
Date Sampled	12-Dec-19	12-Dec-19	12-Dec-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	6AE	5AE							
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	-	NAD							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	-	N/A							A-T-045

Envirolab Job Number: 19/11929

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/11929/2	19/11929/5	19/11929/6					Units	Limit of Detection	Method ref
Client Sample No	101	WAC3	103							
Client Sample ID	SPT2019_1	SPT2019_1	SPT2019_1							
Depth to Top	0.7	3.3	4.0							
Depth To Bottom										
Date Sampled	12-Dec-19	12-Dec-19	12-Dec-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4A	6AE	5AE							
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	<0.01	-	<0.01					mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	<0.01	-	<0.01					mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	<0.02	-	<0.02					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	<0.04	-	<0.04					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	<0.04	-	<0.04					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	<0.05	-	<0.05					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	<0.05	-	<0.05					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	<0.07	-	<0.07					mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	<0.06	-	<0.06					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	<0.04	-	<0.04					mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	<0.08	-	<0.08					mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	<0.01	-	<0.01					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	<0.03	-	<0.03					mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	<0.03	-	<0.03					mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	<0.03	-	<0.03					mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	<0.07	-	<0.07					mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	<0.08	-	<0.08					mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/11929

Date Received: 16/12/2019 (am)

Cool Box Temperatures (°C): 9.0

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
Deviation Code		
	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID		
Client Sample No		
Client Sample ID/Depth		
Date Sampled		
	✓	✓

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[redacted]

Final Test Report

[redacted]

[redacted]

[redacted]

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
	Method	ISO17025	MCERTS	19/11929/5				
				WAC3		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
		N	N	7.19				
		N	N	0.35				
		N	N	0.05				
		N	N	31.1				
		N	N	17.7				
		N	N	<0.08				
		N	N	<10				
		N	N	<0.007				
		N	N	<0.01				
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
		N	N		0.020			
		N	N		0.230			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.01			
		N	N		<0.005			
		N	N		0.640			
		N	N		0.020			
		N	N		<0.01			
		N	N		0.030			
		N	N		<0.01			
		N	N		0.050			
		N	N		963			
		N	N		3.0			
		N	N		1275			
		N	N		3880			
		N	N		<0.1			
		N	N		<200			
Leach Test Information								
		N	N					
		N	N					
		N	N					

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FINAL ANALYTICAL TEST REPORT
SUPPLEMENT TO TEST REPORT 19/12214/1

Amendments:

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

D Ad M

Envirolab Job Number: 19/12214

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/12214/4	19/12214/7	19/12214/11					Units	Limit of Detection	Method ref
Client Sample No	102/WAC2	104	106							
Client Sample ID	SCBH2019_2	SCBH2019_2	SCBH2019_2							
Depth to Top	0.30	2.00	6.00							
Depth To Bottom										
Date Sampled	16-Dec-19	16-Dec-19	17-Dec-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	6AE	6AE							
% Stones >10mm$_A$	46.2	<0.1	<0.1					% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.59	7.44	7.03					pH	0.01	A-T-031s
Ammonium / Ammoniacal Nitrogen as NH4$_D$	<0.26	27.6	61.6					mg/kg	0.26	A-T-033s
Sulphate (acid soluble)$_D$$^{M\#}$	<200	3000	6400					mg/kg	200	A-T-028s
Cyanide (free)$_A$$^{M\#}$	<1	<1	<1					mg/kg	1	A-T-042sFCN
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2					mg/kg	0.2	A-T-050s
Sulphide$_A$	<5	<5	<5					mg/kg	5	A-T-S2-s
Loss on ignition (550degC)$_D$$^{M\#}$	1.0	22.8	78.1					% w/w	0.6	A-T-030s
Total Organic Carbon$_D$$^{M\#}$	0.28	9.34	26.8					% w/w	0.03	A-T-032s
Fraction of organic carbon$_D$$^{\#}$	0.0028	0.0934	0.2679					N/A	0.0003	A-T-032 FOC
Arsenic$_D$$^{M\#}$	9	15	8					mg/kg	1	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0	8.1	12.4					mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	0.6	<0.5					mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	2	8	3					mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	6	39	11					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1					mg/kg	1	A-T-040s
Iron$_D$	5240	19900	11400					mg/kg	50	A-T-024s
Lead$_D$$^{M\#}$	4	15	7					mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17					mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	4	26	8					mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1					mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	11	68	19					mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	16	58	28					mg/kg	5	A-T-024s
Ali >C5-C6$_A$$^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$$^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	-					mg/kg	1	A-T-055s
Ali >C10-C12$_A$$^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Ali >C12-C16$_A$$^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Ali >C16-C21$_A$$^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	-	-					mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	-	-					mg/kg	1	A-T-055s
Aro >C5-C7$_A$$^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s

Envirolab Job Number: 19/12214

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/12214/4	19/12214/7	19/12214/11					Units	Limit of Detection	Method ref
Client Sample No	102/WAC2	104	106							
Client Sample ID	SCBH2019_2	SCBH2019_2	SCBH2019_2							
Depth to Top	0.30	2.00	6.00							
Depth To Bottom										
Date Sampled	16-Dec-19	16-Dec-19	17-Dec-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	6AE	6AE							
Aro >C7-C8$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	-	-					mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	-	-					mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	-	-					mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	-	-					mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Leachate Prep BS EN 12457-2 (10:1)$_A$	*	*	*							A-T-001
pH (leachable)$_A^{\#}$	7.30	7.64	7.27					pH	0.01	A-T-031w
Ammonium / Ammoniacal Nitrogen as NH4 (leachable)$_A$	<0.026	1.943	1.807					mg/l	0.026	A-T-033w
Ammoniacal nitrogen as N (leachable)$_A$	<0.02	1.51	1.40					mg/l	0.02	A-T-033w
Nitrate (leachable)$_A^{\#}$	<0.1	<0.1	<0.1					mg/l	0.1	A-T-026w
Sulphate (leachable)$_A^{\#}$	2.92	57.96	157.76					mg/l	1	A-T-026w
Cyanide (free) (leachable)$_A$	<0.005	<0.005	<0.005					mg/l	0.005	A-T-042wFCN
Cyanide (total) (leachable)$_A$	<0.005	<0.005	<0.005					mg/l	0.005	A-T-042wTCN
Sulphide (leachable)$_A$	<0.1	<0.1	<0.1					mg/l	0.1	A-T-S2-w
Arsenic (leachable)$_A^{\#}$	5	4	5					µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	15	168	429					µg/l	10	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	1	<1	1					µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.05	<0.05	<0.05					mg/l	0.05	A-T-040w
Iron (leachable)$_A^{\#}$	241	24	16					µg/l	10	A-T-025w
Lead (leachable)$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-025w
Manganese (leachable)$_A^{\#}$	14	151	452					µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	<0.1	<0.1	<0.1					µg/l	0.1	A-T-025w

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Envirolab Job Number: 19/12214 **Client Project Name: Sizewell C**

Client Project Ref: 734318

Lab Sample ID	19/12214/4	19/12214/7	19/12214/11					Units	Limit of Detection	Method ref
Client Sample No	102/WAC2	104	106							
Client Sample ID	SCBH2019_2	SCBH2019_2	SCBH2019_2							
Depth to Top	0.30	2.00	6.00							
Depth To Bottom										
Date Sampled	16-Dec-19	16-Dec-19	17-Dec-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	6AE	6AE							
Nickel (leachable)$_{A}^{\#}$	<1	1	<1					µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	<1	<1	<1					µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	3	5	<1					µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	5	11	13					µg/l	1	A-T-025w
Calcium (leachable)$_{A}$	8	35	123					mg/l	1	A-T-049w

Envirolab Job Number: 19/12214

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/12214/4	19/12214/7	19/12214/11					Units	Limit of Detection	Method ref
Client Sample No	102/WAC2	104	106							
Client Sample ID	SCBH2019_2	SCBH2019_2	SCBH2019_2							
Depth to Top	0.30	2.00	6.00							
Depth To Bottom										
Date Sampled	16-Dec-19	16-Dec-19	17-Dec-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	6AE	6AE							
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A							A-T-045

Envirolab Job Number: 19/12214

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	19/12214/4	19/12214/7	19/12214/11					Units	Limit of Detection	Method ref
Client Sample No	102/WAC2	104	106							
Client Sample ID	SCBH2019_2	SCBH2019_2	SCBH2019_2							
Depth to Top	0.30	2.00	6.00							
Depth To Bottom										
Date Sampled	16-Dec-19	16-Dec-19	17-Dec-19							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	6AE	6AE							
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	<0.02	<0.02	<0.02					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	<0.04	<0.04	<0.04					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	<0.04	<0.04	<0.04					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	<0.05	<0.05	<0.05					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	<0.05	<0.05	<0.05					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	<0.07	<0.07	<0.07					mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	<0.06	<0.06	<0.06					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	<0.04	<0.04	<0.04					mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	<0.08	<0.08	<0.08					mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	<0.03	<0.03	<0.03					mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	<0.03	<0.03	<0.03					mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	<0.03	<0.03	<0.03					mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	<0.07	<0.07	<0.07					mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	<0.08	<0.08	<0.08					mg/kg	0.01	A-T-019s

REPORT NOTES

General

Soil chemical analysis:

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 19/12214

Date Received: 24/12/2019 (am)

Cool Box Temperatures (°C): 6.1 - 16.2

Lab Sample ID			
Client Sample No			
Client Sample ID/Depth			
Date Sampled			
Deviation Code			
	✓	✓	✓

Key

F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

Lab Sample ID			
Client Sample No			
Client Sample ID/Depth			
Date Sampled			
	✓	✓	✓

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

Envirolab Job Number: 20/00610

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	20/00610/1	20/00610/2	20/00610/3					Units	Limit of Detection	Method ref
Client Sample No	1	1	1							
Client Sample ID	SCBH2019_1	SCBH2019_2	SCBH2019_3							
Depth to Top	1.20	2.20	3.50							
Depth To Bottom										
Date Sampled	21-Jan-20	21-Jan-20	21-Jan-20							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
pH BRE (w)$_A^{\#}$	7.26	7.42	7.61					pH	0.01	A-T-031w
Ammonium / Ammoniacal N as NH4 BRE (w)$_A^{\#}$	2.282	4.627	2.690					mg/l	0.026	A-T-033w
Chloride BRE (w)$_A^{\#}$	1270	672	798					mg/l	1	A-T-026w
Nitrate BRE (w)$_A^{\#}$	<0.1	<0.1	<0.1					mg/l	0.1	A-T-026w
Sulphate BRE (w)$_A^{\#}$	108	63	56					mg/l	1	A-T-026w
Magnesium BRE (dissolved)$_A^{\#}$	54.7	24.9	28.4					mg/l	1	A-T-049w

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client:	Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB	**Project No:**	20/00610
		Date Received:	22/01/2020 (am)
Project:	Sizewell C	**Cool Box Temperatures (°C):**	10.6
Clients Project No:	734318		

NO DEVIATIONS IDENTIFIED

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FINAL ANALYTICAL TEST REPORT

Envirolab Job Number:
Issue Number: **Date:**

Client:

Project Manager:
Project Name:
Project Ref:
Order No:
Date Samples Received:
Date Instructions Received:
Date Analysis Completed:

Prepared by: **Approved by:**

[redacted]

[redacted]

UKAS TESTING 1247

Envirolab Job Number: 20/00849

Client Project Name: Sizewell C

Client Project Ref: 734318

Lab Sample ID	20/00849/1	20/00849/2	20/00849/3					Units	Limit of Detection	Method ref
Client Sample No	1	1	1							
Client Sample ID	SCBH2019_1	SCBH2019_2	SCBH2019_3							
Depth to Top	3.50	3.00	3.50							
Depth To Bottom										
Date Sampled	28-Jan-20	28-Jan-20	28-Jan-20							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
pH BRE (w)$_A^{\#}$	7.15	7.46	7.48					pH	0.01	A-T-031w
Ammonium / Ammoniacal N as NH4 BRE (w)$_A^{\#}$	4.044	2.501	2.699					mg/l	0.026	A-T-033w
Chloride BRE (w)$_A^{\#}$	1220	674	727					mg/l	1	A-T-026w
Nitrate BRE (w)$_A^{\#}$	<0.1	<0.1	<0.1					mg/l	0.1	A-T-026w
Sulphate BRE (w)$_A^{\#}$	90	45	48					mg/l	1	A-T-026w
Magnesium BRE (dissolved)$_A^{\#}$	46.3	23.7	24.5					mg/l	1	A-T-049w

REPORT NOTES

General

Soil chemical analysis:

TPH analysis of water by method A-T-007:

Electrical Conductivity of water by Method A-T-037:

Asbestos:

Predominant Matrix Codes:

Secondary Matrix Codes:

Key:

Envirolab Deviating Samples Report

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 20/00849

Date Received: 29/01/2020 (am)

Cool Box Temperatures (°C): 9.6

NO DEVIATIONS IDENTIFIED

Envirolab Sample Receipt Confirmation

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project No: 20/00849
Date Instructions Received: 29/01/2020 (am)
Date Due: 11/02/2020
Turnaround: 10 days
Quote No: P-19-0031

Project: Sizewell C
Clients Project No: 734318
Client Manager: Holly Neary-King

Comments:

Lab Sample ID	20/00849/1	20/00849/2	20/00849/3
Client Sample No	1	1	1
Client Sample ID/Depth	SCBH2019_1 3.50m	SCBH2019_2 3.00m	SCBH2019_3 3.50m
Sample Type	Water - EW	Water - EW	Water - EW
Date Sampled	28/01/20	28/01/20	28/01/20
Containers	500P x 3 HNO3 (Y) x 1 H2SO4 (R) x 1	500P x 3 HNO3 (Y) x 1 H2SO4 (R) x 1	500P x 3 HNO3 (Y) x 1 H2SO4 (R) x 1
pH BRE (w)	✓	✓	✓
Ammonium / Ammoniacal N as NH4 BRE (w)	✓	✓	✓
Chloride BRE (w)	✓	✓	✓
Nitrate BRE (w)	✓	✓	✓
Sulphate BRE (w)	✓	✓	✓
Magnesium BRE (dissolved)	✓	✓	✓

For multi-compound suites it may not be achievable to have a Quality Control sample that passes for all accredited compounds. In such circumstances, provided other quality checks pass and the affected compounds do not form >10% of the suite, we will report the results associated with the QC failure. Affected results will be reported in *italic* font, see report notes for information.

Analysis Summary

Analysis	LOD	UKAS (ISO17025)	MCERTS	Method
pH BRE (w)	0.01pH	Y	N	A-T-031w
Ammonium / Ammoniacal N as NH4 BRE (w)	0.026mg/l	Y	N	A-T-033w
Chloride BRE (w)	1mg/l	Y	N	A-T-026w
Nitrate BRE (w)	0.1mg/l	Y	N	A-T-026w
Sulphate BRE (w)	1mg/l	Y	N	A-T-026w
Magnesium BRE (dissolved)	1mg/l	Y	N	A-T-049w

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Structural Soils Limited (Bristol), The Old School , Stillhouse Lane, Bedminster, Bristol, UK, BS3 4EB

Project: Sizewell C

Clients Project No: 734318

Project No: 20/00849

Date Instructions Received: 29/01/2020 (am)

Cool Box Temperatures (°C): 9.6

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Appendix F – Ground Investigation Factual Reports

On-shore Phase 2 Ground Investigation for Sizewell Site 2019

CONTINUED

APPENDIX F - MONITORING DATA

(i) Gas and Water Monitoring Data

(ii) Vibrating Wire Monitoring Data

IN-SITU GAS MONITORING RESULTS

	Start Date	End Date	Pressures Previous	During	Start	End	Equipment Used & Remarks
Round G1	07/01/2020	08/01/2020	Constant	Falling	1022	1021	GA5000 | Dipmeter 50m | Weather: Overcast | Ground: Wet | Air Temp: 9°C | Summary: Gas
Round G2	13/01/2020	14/01/2020	Constant	Falling	1022	1000	GA5000 | Dipmeter 50m | Weather: Overcast | Ground: Wet | Air Temp: 9°C | Summary: Gas
Round G3	20/01/2020	21/01/2020	Constant	Falling	1047	1042	GA5000 | Dipmeter 50m | Weather: Dry | Ground: Dry | Air Temp: 8°C | Summary: Gas
Round G4	27/01/2020	28/01/2020	Falling	Falling	1002	999	GA5000 | Dipmeter 50m | Weather: Dry | Ground: Damp | Air Temp: 9°C | Summary: Gas

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_2	1	50	G1	7.50	---	5.50 to 7.50	08/01/2020 09:14:00	1022	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_2	1	50	G1		---	5.50 to 7.50	30 secs	1022	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_2	1	50	G1 (2)	7.50	---	5.50 to 7.50	08/01/2020 09:15:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_2	1	50	G1 (2)		---	5.50 to 7.50	15 secs	-	-	-	-	1.4	11.9	19.8	>>>	4	0	
DCBH2019_2	1	50	G1 (2)		---	5.50 to 7.50	30 secs	-	-	-	-	1.4	11.8	19.1	>>>	3	0	
DCBH2019_2	1	50	G1 (2)		---	5.50 to 7.50	60 secs	-	-	-	-	1.0	8.5	18.9	>>>	1	0	
DCBH2019_2	1	50	G1 (2)		---	5.50 to 7.50	90 secs	-	-	-	-	1.0	7.9	19.1	>>>	1	0	
DCBH2019_2	1	50	G1 (2)		---	5.50 to 7.50	120 secs	-	-	-	-	0.9	7.3	19.3	>>>	1	0	
DCBH2019_2	1	50	G1 (2)		---	5.50 to 7.50	180 secs	-	-	-	-	0.8	6.2	19.6	>>>	1	0	
DCBH2019_2	1	50	G1 (2)		---	5.50 to 7.50	240 secs	-	-	-	-	0.7	5.9	19.7	>>>	0	0	
DCBH2019_2	1	50	G1 (2)		---	5.50 to 7.50	300 secs	-	-	-	-	0.7	5.7	19.8	>>>	0	0	
DCBH2019_2	1	50	G1 (3)	7.50	6.46	5.50 to 7.50	08/01/2020 09:25:00	-	-	-	1.55	-	-	-	-	-	-	
DCBH2019_2	1	50	G2	7.50	---	5.50 to 7.50	13/01/2020 11:38:00	1020	1020	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_2	1	50	G2		---	5.50 to 7.50	30 secs	1019	1020	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_2	1	50	G2 (2)	7.50	---	5.50 to 7.50	13/01/2020 11:39:00	-	-	-	-	1.7	5.5	20.2	0.0	0	0	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	15 secs	-	-	-	-	1.5	4.4	20.1	0.0	0	0	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	30 secs	-	-	-	-	1.5	4.5	19.9	0.0	0	0	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	60 secs	-	-	-	-	1.5	4.6	19.4	0.0	0	0	

Key: I = Initial, Min = Minimum, P = Peak, SS = Steady State. Note: LEL = Lower Explosive Limit = 5% v/v.

STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Compiled By	Date	Checked By	Date	Contract Ref:
[redacted]	20/04/20			734318
Contra [redacted]	**izewell C Onshore GI Phase 2 2019**			Page: 1 of 42

IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	120 secs	-	-	-	-	1.5	4.6	19.4	0.0	0	0	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	150 secs	-	-	-	-	1.4	4.6	19.4	0.0	0	0	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	180 secs	-	-	-	-	1.4	4.6	19.4	0.0	0	0	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	240 secs	-	-	-	-	1.4	4.6	19.4	0.0	0	0	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	300 secs	-	-	-	-	1.4	4.6	18.2	0.0	0	0	
DCBH2019_2	1	50	G2 (2)		---	5.50 to 7.50	360 secs	-	-	-	-	1.4	4.6	18.2	0.0	0	0	
DCBH2019_2	1	50	G2 (3)	7.50	6.46	5.50 to 7.50	13/01/2020 11:46:00	-	-	-	1.60	-	-	-	-	-	-	
DCBH2019_2	1	50	G3	7.50	---	5.50 to 7.50	20/01/2020 15:28:00	1045	1045	-0.1	-	-	-	-	-	-	-	
DCBH2019_2	1	50	G3		---	5.50 to 7.50	30 secs	1045	1045	0.0	-	-	-	-	-	-	-	
DCBH2019_2	1	50	G3 (2)	7.50	---	5.50 to 7.50	20/01/2020 15:29:00	-	-	-	-	0.3	0.0	20.8	0.0	1	0	
DCBH2019_2	1	50	G3 (2)		---	5.50 to 7.50	15 secs	-	-	-	-	0.2	0.0	20.7	0.0	1	0	
DCBH2019_2	1	50	G3 (2)		---	5.50 to 7.50	30 secs	-	-	-	-	0.1	0.0	20.8	0.0	1	0	
DCBH2019_2	1	50	G3 (2)		---	5.50 to 7.50	60 secs	-	-	-	-	0.1	0.0	20.8	0.0	1	0	
DCBH2019_2	1	50	G3 (2)		---	5.50 to 7.50	120 secs	-	-	-	-	0.1	0.0	20.8	0.0	1	0	
DCBH2019_2	1	50	G3 (2)		---	5.50 to 7.50	150 secs	-	-	-	-	0.4	0.0	20.4	0.0	1	0	
DCBH2019_2	1	50	G3 (2)		---	5.50 to 7.50	180 secs	-	-	-	-	0.1	0.0	20.7	0.0	1	0	
DCBH2019_2	1	50	G3 (2)		---	5.50 to 7.50	240 secs	-	-	-	-	0.1	0.0	20.6	0.0	1	0	
DCBH2019_2	1	50	G3 (2)		---	5.50 to 7.50	300 secs	-	-	-	-	0.1	0.0	20.5	0.0	1	0	
DCBH2019_2	1	50	G3 (3)	7.50	11.35	5.50 to 7.50	20/01/2020 15:35:00	-	-	-	1.58	-	-	-	-	-	-	
DCBH2019_2	1	50	G4	7.50	---	5.50 to 7.50	27/01/2020 13:21:00	1000	1000	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_2	1	50	G4		---	5.50 to 7.50	30 secs	1000	1000	$0.1_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_2	1	50	G4 (2)	7.50	---	5.50 to 7.50	27/01/2020 13:22:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_2	1	50	G4 (2)		---	5.50 to 7.50	15 secs	-	-	-	-	4.6	23.1	17.9	>>>	0	0	
DCBH2019_2	1	50	G4 (2)		---	5.50 to 7.50	30 secs	-	-	-	-	4.6	23.0	16.6	>>>	0	0	
DCBH2019_2	1	50	G4 (2)		---	5.50 to 7.50	60 secs	-	-	-	-	4.1	20.1	15.5	>>>	0	0	

Key: I = Initial, Min = Minimum, P = Peak, SS = Steady State. Note: LEL = Lower Explosive Limit = 5% v/v.

IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_2	1	50	G4 (2)		---	5.50 to 7.50	90 secs	-	-	-	-	3.8	18.6	16.1	>>>	0	0	
DCBH2019_2	1	50	G4 (2)		---	5.50 to 7.50	120 secs	-	-	-	-	3.7	17.8	16.1	>>>	0	0	
DCBH2019_2	1	50	G4 (2)		---	5.50 to 7.50	180 secs	-	-	-	-	3.3	16.1	16.7	>>>	0	0	
DCBH2019_2	1	50	G4 (2)		---	5.50 to 7.50	240 secs	-	-	-	-	3.1	14.7	17.1	>>>	0	0	
DCBH2019_2	1	50	G4 (2)		---	5.50 to 7.50	300 secs	-	-	-	-	2.8	13.4	17.5	>>>	0	0	
DCBH2019_2	1	50	G4 (3)	7.50	11.35	5.50 to 7.50	27/01/2020 13:28:00	-	-	-	1.65	-	-	-	-	-	-	
DCBH2019_3	1	50	G1	8.00	---	6.50 to 8.00	07/01/2020 11:21:00	1023	1023	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_3	1	50	G1		---	6.50 to 8.00	30 secs	1023	1023	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_3	1	50	G1 (2)	8.00	---	6.50 to 8.00	07/01/2020 11:22:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G1 (2)		---	6.50 to 8.00	15 secs	-	-	-	-	0.1	0.0	21.0	0.0	5	0	
DCBH2019_3	1	50	G1 (2)		---	6.50 to 8.00	30 secs	-	-	-	-	0.1	0.0	21.0	0.0	3	0	
DCBH2019_3	1	50	G1 (2)		---	6.50 to 8.00	60 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
DCBH2019_3	1	50	G1 (2)		---	6.50 to 8.00	90 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
DCBH2019_3	1	50	G1 (2)		---	6.50 to 8.00	120 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
DCBH2019_3	1	50	G1 (2)		---	6.50 to 8.00	180 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
DCBH2019_3	1	50	G1 (2)		---	6.50 to 8.00	240 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
DCBH2019_3	1	50	G1 (2)		---	6.50 to 8.00	300 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
DCBH2019_3	1	50	G1 (3)	8.00	7.31	6.50 to 8.00	07/01/2020 11:31:00	-	-	-	0.91	-	-	-	-	-	-	
DCBH2019_3	1	50	G2	8.00	---	6.50 to 8.00	14/01/2020 10:20:00	981	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_3	1	50	G2		---	6.50 to 8.00	30 secs	887	999	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_3	1	50	G2 (2)	8.00	---	6.50 to 8.00	14/01/2020 10:21:00	-	-	-	-	0.8	0.0	15.2	94.0	0	1	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	15 secs	-	-	-	-	3.7	0.0	16.3	>>>	0	1	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	30 secs	-	-	-	-	3.8	0.0	16.0	>>>	0	1	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	60 secs	-	-	-	-	4.9	0.0	12.9	>>>	0	1	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	120 secs	-	-	-	-	5.4	0.0	11.8	>>>	0	1	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	150 secs	-	-	-	-	5.9	0.0	10.7	>>>	0	1	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	180 secs	-	-	-	-	6.5	0.0	9.3	>>>	0	1	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	240 secs	-	-	-	-	6.8	0.0	8.7	>>>	0	1	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	300 secs	-	-	-	-	7.0	0.0	8.2	>>>	0	1	
DCBH2019_3	1	50	G2 (2)		---	6.50 to 8.00	360 secs	-	-	-	-	7.0	0.0	8.1	>>>	0	1	
DCBH2019_3	1	50	G2 (3)	8.00	7.31	6.50 to 8.00	14/01/2020 10:28:00	-	-	-	0.99	-	-	-	-	-	-	
DCBH2019_3	1	50	G3	8.00	---	6.50 to 8.00	20/01/2020 13:08:00	1047	1047	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_3	1	50	G3		---	6.50 to 8.00	30 secs	1047	1047	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_3	1	50	G3 (2)	8.00	---	6.50 to 8.00	20/01/2020 13:09:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (2)		---	6.50 to 8.00	15 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (2)		---	6.50 to 8.00	30 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (2)		---	6.50 to 8.00	60 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (2)		---	6.50 to 8.00	90 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (2)		---	6.50 to 8.00	120 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (2)		---	6.50 to 8.00	180 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (2)		---	6.50 to 8.00	240 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (2)		---	6.50 to 8.00	300 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G3 (3)	8.00	7.31	6.50 to 8.00	20/01/2020 13:15:00	-	-	-	0.92	-	-	-	-	-	-	
DCBH2019_3	1	50	G4	8.00	---	6.50 to 8.00	27/01/2020 12:18:00	1001	1001	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_3	1	50	G4		---	6.50 to 8.00	30 secs	1001	1001	$0.1_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_3	1	50	G4 (2)	8.00	---	6.50 to 8.00	27/01/2020 12:19:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G4 (2)		---	6.50 to 8.00	60 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G4 (2)		---	6.50 to 8.00	75 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G4 (2)		---	6.50 to 8.00	90 secs	-	-	-	-	0.1	0.0	20.4	0.0	1	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_3	1	50	G4 (2)		---	6.50 to 8.00	120 secs	-	-	-	-	0.1	0.1	20.9	2.0	0	0	
DCBH2019_3	1	50	G4 (2)		---	6.50 to 8.00	150 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_3	1	50	G4 (2)		---	6.50 to 8.00	180 secs	-	-	-	-	0.1	0.1	20.9	2.0	0	0	
DCBH2019_3	1	50	G4 (2)		---	6.50 to 8.00	240 secs	-	-	-	-	0.0	0.1	20.9	2.0	0	0	
DCBH2019_3	1	50	G4 (2)		---	6.50 to 8.00	300 secs	-	-	-	-	0.0	0.1	21.0	2.0	0	0	
DCBH2019_3	1	50	G4 (3)	8.00	7.31	6.50 to 8.00	27/01/2020 12:27:00	-	-	-	1.03	-	-	-	-	-	-	
DCBH2019_4	1	50	G1	12.50	---	4.00 to 12.50	07/01/2020 12:25:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_4	1	50	G1		---	4.00 to 12.50	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_4	1	50	G1 (2)	12.50	---	4.00 to 12.50	07/01/2020 12:26:00	-	-	-	-	0.2	0.0	20.9	0.0	0	0	
DCBH2019_4	1	50	G1 (2)		---	4.00 to 12.50	15 secs	-	-	-	-	0.1	0.0	20.7	0.0	13	0	
DCBH2019_4	1	50	G1 (2)		---	4.00 to 12.50	30 secs	-	-	-	-	0.1	0.0	20.7	0.0	9	0	
DCBH2019_4	1	50	G1 (2)		---	4.00 to 12.50	60 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_4	1	50	G1 (2)		---	4.00 to 12.50	90 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_4	1	50	G1 (2)		---	4.00 to 12.50	120 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_4	1	50	G1 (2)		---	4.00 to 12.50	180 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_4	1	50	G1 (2)		---	4.00 to 12.50	240 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_4	1	50	G1 (2)		---	4.00 to 12.50	300 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_4	1	50	G1 (3)	12.50	12.30	4.00 to 12.50	07/01/2020 12:36:00	-	-	-	0.99	-	-	-	-	-	-	
DCBH2019_4	1	50	G2	12.50	---	4.00 to 12.50	13/01/2020 09:25:00	1022	1022	-	-	-	-	-	-	-	-	
DCBH2019_4	1	50	G2		---	4.00 to 12.50	30 secs	1023	1023	-	-	-	-	-	-	-	-	
DCBH2019_4	1	50	G2 (2)	12.50	---	4.00 to 12.50	13/01/2020 09:26:00	-	-	-	-	0.2	0.0	21.6	0.0	-	-	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	15 secs	-	-	-	-	0.2	0.0	21.7	0.0	-	-	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	30 secs	-	-	-	-	0.2	0.0	21.7	0.0	-	-	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	60 secs	-	-	-	-	0.2	0.0	21.7	0.0	-	-	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	120 secs	-	-	-	-	0.1	0.0	21.7	0.0	-	-	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	150 secs	-	-	-	-	0.1	0.0	21.8	0.0	-	-	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	180 secs	-	-	-	-	0.1	0.0	21.8	0.0	0	0	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	240 secs	-	-	-	-	0.1	0.0	21.8	0.0	0	0	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	300 secs	-	-	-	-	0.1	0.0	21.8	0.0	0	0	
DCBH2019_4	1	50	G2 (2)		---	4.00 to 12.50	660 secs	-	-	-	-	0.1	0.0	21.8	0.0	0	0	
DCBH2019_4	1	50	G2 (3)	12.50	12.30	4.00 to 12.50	13/01/2020 09:37:00	-	-	-	1.05	-	-	-	-	-	-	
DCBH2019_4	1	50	G3	12.50	---	4.00 to 12.50	20/01/2020 14:58:00	1045	1045	$0.1_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_4	1	50	G3		---	4.00 to 12.50	30 secs	1045	1045	$0.1_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_4	1	50	G3 (2)	12.50	---	4.00 to 12.50	20/01/2020 14:59:00	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_4	1	50	G3 (2)		---	4.00 to 12.50	15 secs	-	-	-	-	0.1	0.0	20.8	0.0	1	0	
DCBH2019_4	1	50	G3 (2)		---	4.00 to 12.50	30 secs	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
DCBH2019_4	1	50	G3 (2)		---	4.00 to 12.50	60 secs	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
DCBH2019_4	1	50	G3 (2)		---	4.00 to 12.50	90 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_4	1	50	G3 (2)		---	4.00 to 12.50	120 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_4	1	50	G3 (2)		---	4.00 to 12.50	180 secs	-	-	-	-	0.0	0.0	20.9	0.0	1	0	
DCBH2019_4	1	50	G3 (2)		---	4.00 to 12.50	240 secs	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
DCBH2019_4	1	50	G3 (2)		---	4.00 to 12.50	300 secs	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
DCBH2019_4	1	50	G3 (3)	12.50	12.31	4.00 to 12.50	20/01/2020 15:05:00	-	-	-	0.87	-	-	-	-	-	-	
DCBH2019_4	1	50	G4	12.50	---	4.00 to 12.50	27/01/2020 13:12:00	1000	1000	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_4	1	50	G4		---	4.00 to 12.50	30 secs	1000	1000	$0.1_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_4	1	50	G4 (2)	12.50	---	4.00 to 12.50	27/01/2020 13:13:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_4	1	50	G4 (2)		---	4.00 to 12.50	15 secs	-	-	-	-	1.9	11.1	19.5	>>>	1	0	
DCBH2019_4	1	50	G4 (2)		---	4.00 to 12.50	30 secs	-	-	-	-	1.8	11.0	19.0	>>>	1	0	
DCBH2019_4	1	50	G4 (2)		---	4.00 to 12.50	60 secs	-	-	-	-	1.2	7.4	19.1	>>>	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_4	1	50	G4 (2)		---	4.00 to 12.50	90 secs	-	-	-	-	1.2	7.0	19.3	>>>	0	0	
DCBH2019_4	1	50	G4 (2)		---	4.00 to 12.50	120 secs	-	-	-	-	1.2	7.2	19.2	>>>	0	0	
DCBH2019_4	1	50	G4 (2)		---	4.00 to 12.50	180 secs	-	-	-	-	0.9	5.9	19.5	>>>	0	0	
DCBH2019_4	1	50	G4 (2)		---	4.00 to 12.50	240 secs	-	-	-	-	0.9	5.7	19.6	>>>	0	0	
DCBH2019_4	1	50	G4 (2)		---	4.00 to 12.50	300 secs	-	-	-	-	0.8	5.4	19.7	>>>	0	0	
DCBH2019_4	1	50	G4 (3)	12.50	12.31	4.00 to 12.50	27/01/2020 13:20:00	-	-	-	0.95	-	-	-	-	-	-	
DCBH2019_5	1	50	G1	10.00	---	4.20 to 10.00	07/01/2020 12:03:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_5	1	50	G1		---	4.20 to 10.00	30 secs	1022	1022	$0.1_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_5	1	50	G1 (2)	10.00	---	4.20 to 10.00	07/01/2020 12:04:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
DCBH2019_5	1	50	G1 (2)		---	4.20 to 10.00	15 secs	-	-	-	-	0.1	0.7	20.6	0.0	10	0	
DCBH2019_5	1	50	G1 (2)		---	4.20 to 10.00	30 secs	-	-	-	-	0.1	0.8	20.5	0.0	6	0	
DCBH2019_5	1	50	G1 (2)		---	4.20 to 10.00	60 secs	-	-	-	-	0.1	1.1	20.3	0.0	0	0	
DCBH2019_5	1	50	G1 (2)		---	4.20 to 10.00	90 secs	-	-	-	-	0.1	1.2	20.3	0.0	0	0	
DCBH2019_5	1	50	G1 (2)		---	4.20 to 10.00	120 secs	-	-	-	-	0.1	1.5	20.2	0.0	0	0	
DCBH2019_5	1	50	G1 (2)		---	4.20 to 10.00	180 secs	-	-	-	-	0.1	1.7	20.1	0.0	0	0	
DCBH2019_5	1	50	G1 (2)		---	4.20 to 10.00	240 secs	-	-	-	-	0.1	1.8	20.1	0.0	0	0	
DCBH2019_5	1	50	G1 (2)		---	4.20 to 10.00	300 secs	-	-	-	-	0.1	1.8	20.1	0.0	0	0	
DCBH2019_5	1	50	G1 (3)	10.00	9.45	4.20 to 10.00	07/01/2020 12:14:00	-	-	-	0.78	-	-	-	-	-	-	
DCBH2019_5	1	50	G2	10.00	---	4.20 to 10.00	14/01/2020 10:52:00	970	970	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_5	1	50	G2		---	4.20 to 10.00	30 secs	973	971	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_5	1	50	G2 (2)	10.00	---	4.20 to 10.00	14/01/2020 10:53:00	-	-	-	-	0.1	0.0	20.9	79.0	0	0	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	15 secs	-	-	-	-	1.2	0.0	19.7	79.1	-	0	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	30 secs	-	-	-	-	1.2	0.0	19.4	79.4	-	0	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	60 secs	-	-	-	-	1.2	0.0	19.4	79.4	-	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	90 secs	-	-	-	-	1.2	0.0	19.4	79.4	-	0	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	120 secs	-	-	-	-	1.2	0.0	19.4	79.4	-	0	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	180 secs	-	-	-	-	1.2	0.0	19.4	79.4	-	0	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	240 secs	-	-	-	-	1.1	0.0	19.5	79.4	-	0	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	300 secs	-	-	-	-	1.1	0.0	19.6	79.3	-	0	
DCBH2019_5	1	50	G2 (2)		---	4.20 to 10.00	360 secs	-	-	-	-	1.1	0.1	19.6	79.2	0	0	
DCBH2019_5	1	50	G2 (3)	10.00	9.45	4.20 to 10.00	14/01/2020 11:00:00	-	-	-	0.82	-	-	-	-	-	-	
DCBH2019_5	1	50	G3	10.00	---	4.20 to 10.00	20/01/2020 14:39:00	1046	1046	$0.1_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_5	1	50	G3		---	4.20 to 10.00	30 secs	1046	1046	$0.2_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_5	1	50	G3 (2)	10.00	---	4.20 to 10.00	20/01/2020 14:40:00	-	-	-	-	0.1	0.0	20.7	0.0	1	0	
DCBH2019_5	1	50	G3 (2)		---	4.20 to 10.00	15 secs	-	-	-	-	0.1	0.0	20.6	0.0	0	0	
DCBH2019_5	1	50	G3 (2)		---	4.20 to 10.00	30 secs	-	-	-	-	0.0	0.0	20.6	0.0	0	0	
DCBH2019_5	1	50	G3 (2)		---	4.20 to 10.00	60 secs	-	-	-	-	0.0	0.1	20.6	2.0	0	0	
DCBH2019_5	1	50	G3 (2)		---	4.20 to 10.00	120 secs	-	-	-	-	0.0	0.1	20.6	2.0	0	0	
DCBH2019_5	1	50	G3 (2)		---	4.20 to 10.00	150 secs	-	-	-	-	0.0	0.1	20.6	2.0	0	0	
DCBH2019_5	1	50	G3 (2)		---	4.20 to 10.00	180 secs	-	-	-	-	0.0	0.0	20.7	0.0	0	0	
DCBH2019_5	1	50	G3 (2)		---	4.20 to 10.00	240 secs	-	-	-	-	0.0	0.0	20.7	0.0	0	0	
DCBH2019_5	1	50	G3 (2)		---	4.20 to 10.00	300 secs	-	-	-	-	0.0	0.0	20.8	0.0	0	0	
DCBH2019_5	1	50	G3 (3)	10.00	9.46	4.20 to 10.00	20/01/2020 14:47:00	-	-	-	0.89	-	-	-	-	-	-	
DCBH2019_5	1	50	G4	10.00	---	4.20 to 10.00	27/01/2020 12:53:00	1000	1000	0.0	-	-	-	-	-	-	-	
DCBH2019_5	1	50	G4		---	4.20 to 10.00	30 secs	1000	1000	0.1	-	-	-	-	-	-	-	
DCBH2019_5	1	50	G4 (2)	10.00	---	4.20 to 10.00	27/01/2020 12:54:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_5	1	50	G4 (2)		---	4.20 to 10.00	15 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
DCBH2019_5	1	50	G4 (2)		---	4.20 to 10.00	30 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
DCBH2019_5	1	50	G4 (2)		---	4.20 to 10.00	60 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_5	1	50	G4 (2)		---	4.20 to 10.00	120 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
DCBH2019_5	1	50	G4 (2)		---	4.20 to 10.00	150 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
DCBH2019_5	1	50	G4 (2)		---	4.20 to 10.00	180 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
DCBH2019_5	1	50	G4 (2)		---	4.20 to 10.00	240 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
DCBH2019_5	1	50	G4 (2)		---	4.20 to 10.00	300 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
DCBH2019_5	1	50	G4 (3)	10.00	9.46	4.20 to 10.00	27/01/2020 13:01:00	-	-	-	0.96	-	-	-	-	-	-	
DCBH2019_6	1	50	G1	12.50	---	7.50 to 12.50	08/01/2020 09:27:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_6	1	50	G1		---	7.50 to 12.50	30 secs	1021	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_6	1	50	G1 (2)	12.50	---	7.50 to 12.50	08/01/2020 09:28:00	-	-	-	-	0.3	0.0	20.9	0.0	0	0	
DCBH2019_6	1	50	G1 (2)		---	7.50 to 12.50	15 secs	-	-	-	-	2.7	9.2	19.4	>>>	1	0	
DCBH2019_6	1	50	G1 (2)		---	7.50 to 12.50	30 secs	-	-	-	-	2.7	9.1	19.1	>>>	1	0	
DCBH2019_6	1	50	G1 (2)		---	7.50 to 12.50	60 secs	-	-	-	-	2.5	8.3	19.1	>>>	0	0	
DCBH2019_6	1	50	G1 (2)		---	7.50 to 12.50	90 secs	-	-	-	-	2.4	7.9	19.3	>>>	0	0	
DCBH2019_6	1	50	G1 (2)		---	7.50 to 12.50	120 secs	-	-	-	-	2.3	7.5	19.4	>>>	0	0	
DCBH2019_6	1	50	G1 (2)		---	7.50 to 12.50	180 secs	-	-	-	-	2.2	7.1	19.5	>>>	0	0	
DCBH2019_6	1	50	G1 (2)		---	7.50 to 12.50	240 secs	-	-	-	-	2.0	6.4	19.8	>>>	0	0	
DCBH2019_6	1	50	G1 (2)		---	7.50 to 12.50	300 secs	-	-	-	-	1.9	5.9	20.0	>>>	0	0	
DCBH2019_6	1	50	G1 (3)	12.50	12.07	7.50 to 12.50	08/01/2020 09:34:00	-	-	-	1.50	-	-	-	-	-	-	
DCBH2019_6	1	50	G2	12.50	---	7.50 to 12.50	13/01/2020 11:27:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_6	1	50	G2		---	7.50 to 12.50	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_6	1	50	G2 (2)	12.50	---	7.50 to 12.50	13/01/2020 11:28:00	-	-	-	-	0.7	6.1	20.2	0.0	0	0	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	60 secs	-	-	-	-	2.7	9.2	19.4	0.0	0	0	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	90 secs	-	-	-	-	2.7	9.1	19.1	0.0	0	0	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	120 secs	-	-	-	-	2.5	8.3	19.1	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	150 secs	-	-	-	-	2.4	7.9	19.1	0.0	0	0	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	180 secs	-	-	-	-	2.3	7.5	19.4	0.0	0	0	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	240 secs	-	-	-	-	2.2	7.1	19.4	0.0	0	0	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	300 secs	-	-	-	-	2.0	6.4	19.8	0.0	0	0	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	360 secs	-	-	-	-	1.9	5.9	20.0	0.0	0	0	
DCBH2019_6	1	50	G2 (2)		---	7.50 to 12.50	390 secs	-	-	-	-	1.8	5.8	20.1	0.0	0	0	
DCBH2019_6	1	50	G2 (3)	12.50	12.07	7.50 to 12.50	13/01/2020 11:35:00	-	-	-	1.54	-	-	-	-	-	-	
DCBH2019_6	1	50	G3	12.50	---	7.50 to 12.50	21/01/2020 08:07:00	1041	1041	$0.1_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_6	1	50	G3		---	7.50 to 12.50	30 secs	1041	1041	$0.1_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_6	1	50	G3 (2)	12.50	---	7.50 to 12.50	21/01/2020 08:08:00	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
DCBH2019_6	1	50	G3 (2)		---	7.50 to 12.50	15 secs	-	-	-	-	0.1	0.0	20.7	0.0	1	0	
DCBH2019_6	1	50	G3 (2)		---	7.50 to 12.50	30 secs	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
DCBH2019_6	1	50	G3 (2)		---	7.50 to 12.50	60 secs	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
DCBH2019_6	1	50	G3 (2)		---	7.50 to 12.50	120 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_6	1	50	G3 (2)		---	7.50 to 12.50	150 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
DCBH2019_6	1	50	G3 (2)		---	7.50 to 12.50	180 secs	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
DCBH2019_6	1	50	G3 (2)		---	7.50 to 12.50	240 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
DCBH2019_6	1	50	G3 (2)		---	7.50 to 12.50	300 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
DCBH2019_6	1	50	G3 (3)	12.50	12.07	7.50 to 12.50	21/01/2020 08:14:00	-	-	-	1.48	-	-	-	-	-	-	
DCBH2019_6	1	50	G4	12.50	---	7.50 to 12.50	27/01/2020 14:53:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
DCBH2019_6	1	50	G4		---	7.50 to 12.50	30 secs	999	999	$0.0_{(SS)}$	-	-	-	-	-	-	-	
DCBH2019_6	1	50	G4 (2)	12.50	---	7.50 to 12.50	27/01/2020 14:54:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
DCBH2019_6	1	50	G4 (2)		---	7.50 to 12.50	15 secs	-	-	-	-	0.0	0.1	21.1	2.0	0	0	
DCBH2019_6	1	50	G4 (2)		---	7.50 to 12.50	30 secs	-	-	-	-	0.0	0.1	21.1	2.0	0	0	
DCBH2019_6	1	50	G4 (2)		---	7.50 to 12.50	60 secs	-	-	-	-	0.0	0.2	21.1	4.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
DCBH2019_6	1	50	G4 (2)		---	7.50 to 12.50	90 secs	-	-	-	-	0.0	0.1	21.1	2.0	0	0	
DCBH2019_6	1	50	G4 (2)		---	7.50 to 12.50	120 secs	-	-	-	-	0.0	0.1	21.1	2.0	0	0	
DCBH2019_6	1	50	G4 (2)		---	7.50 to 12.50	180 secs	-	-	-	-	0.0	0.1	21.2	2.0	0	0	
DCBH2019_6	1	50	G4 (2)		---	7.50 to 12.50	240 secs	-	-	-	-	0.0	0.1	21.2	2.0	0	0	
DCBH2019_6	1	50	G4 (2)		---	7.50 to 12.50	300 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
DCBH2019_6	1	50	G4 (3)	12.50	12.07	7.50 to 12.50	27/01/2020 15:04:00	-	-	-	1.48	-	-	-	-	-	-	
G1B	#REF!	#REF!	G1	NDA	---	No Installation	08/01/2020 10:06:00	-	-	$0.0_{(I)}$	-	-	-	-	-	-	-	
G1B	#REF!	#REF!	G1		---	No Installation	30 secs	-	-	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G1B	#REF!	#REF!	G1 (2)	NDA	---	No Installation	08/01/2020 10:07:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
G1B	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
G1B	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
G1B	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
G1B	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
G1B	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
G1B	#REF!	#REF!	G1 (3)	NDA	6.62	No Installation	08/01/2020 10:19:00	-	-	-	5.58	-	-	-	-	-	-	
G1B	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 13:06:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
G1B	#REF!	#REF!	G2		---	No Installation	30 secs	1021	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G1B	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 13:07:00	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G1B	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	22.2	0.0	0	0	
G1B	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	22.2	0.0	0	0	
G1B	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	22.2	0.0	0	0	
G1B	#REF!	#REF!	G2 (2)		---	No Installation	780 secs	-	-	-	-	0.1	0.0	22.1	0.0	0	0	
G1B	#REF!	#REF!	G2 (3)	NDA	6.55	No Installation	13/01/2020 13:20:00	-	-	-	5.51	-	-	-	-	-	-	
G1B	#REF!	#REF!	G3	NDA	---	No Installation	21/01/2020 09:07:00	1041	1041	$0.1_{(I)}$	-	-	-	-	-	-	-	
G1B	#REF!	#REF!	G3		---	No Installation	30 secs	1041	1041	$0.1_{(SS)}$	-	-	-	-	-	-	-	
G1B	#REF!	#REF!	G3 (2)	NDA	---	No Installation	21/01/2020 09:08:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G1B	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
G1B	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G1B	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G1B	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
G1B	#REF!	#REF!	G3 (2)		---	No Installation	150 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
G1B	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	21.1	0.0	1	0	
G1B	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
G1B	#REF!	#REF!	G3 (3)	NDA	6.62	No Installation	21/01/2020 09:14:00	-	-	-	5.48	-	-	-	-	-	-	
G1B	#REF!	#REF!	G4	NDA	---	No Installation	28/01/2020 09:45:00	998	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
G1B	#REF!	#REF!	G4		---	No Installation	30 secs	998	999	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G1B	#REF!	#REF!	G4 (2)	NDA	---	No Installation	28/01/2020 09:46:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
G1B	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.0	17.9	0.0	0	0	
G1B	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	14.3	0.0	0	0	
G1B	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	14.0	0.0	0	0	
G1B	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	14.0	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G1B	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	14.0	0.0	0	0	
G1B	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	14.0	0.0	0	0	
G1B	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	14.0	0.0	0	0	
G1B	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	14.0	0.0	0	0	
G1B	#REF!	#REF!	G4 (3)	NDA	6.62	No Installation	28/01/2020 09:52:00	-	-	-	5.52	-	-	-	-	-	-	
G3B	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 12:51:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G1		---	No Installation	30 secs	1021	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 12:52:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G3B	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.1	21.1	2.0	0	0	
G3B	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.1	21.3	2.0	0	0	
G3B	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	21.5	0.0	0	0	
G3B	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	21.5	0.0	0	0	
G3B	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.6	0.0	0	0	
G3B	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	21.6	0.0	0	0	
G3B	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	21.6	0.0	0	0	
G3B	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	21.6	0.0	0	0	
G3B	#REF!	#REF!	G1 (3)	NDA	6.86	No Installation	07/01/2020 13:01:00	-	-	-	0.64	-	-	-	-	-	-	
G3B	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 09:51:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G2		---	No Installation	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 09:52:00	-	-	-	-	0.8	0.0	20.7	0.0	-	-	
G3B	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 09:53:00	-	-	-	-	0.1	0.0	21.1	0.0	-	-	
G3B	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	21.3	0.0	-	-	
G3B	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	21.5	0.0	-	-	
G3B	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	21.5	0.0	-	-	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G3B	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	21.6	0.0	-	-	
G3B	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.6	0.0	0	0	
G3B	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	21.6	0.0	0	0	
G3B	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	21.6	0.0	0	0	
G3B	#REF!	#REF!	G2 (2)		---	No Installation	540 secs	-	-	-	-	0.1	0.0	21.6	0.0	0	0	
G3B	#REF!	#REF!	G2 (3)	NDA	6.86	No Installation	13/01/2020 10:02:00	-	-	-	0.80	-	-	-	-	-	-	
G3B	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 15:17:00	1046	1046	$0.2_{(I)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G3		---	No Installation	30 secs	1046	1046	$0.2_{(SS)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 15:18:00	-	-	-	-	0.1	0.0	20.6	0.0	1	0	
G3B	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	20.5	0.0	0	0	
G3B	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	20.5	0.0	0	0	
G3B	#REF!	#REF!	G3 (3)	NDA	6.86	No Installation	20/01/2020 15:20:00	-	-	-	0.52	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
G3B	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 13:30:00	1000	1000	$0.0_{(I)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G4		---	No Installation	30 secs	1000	1000	$0.1_{(SS)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 13:31:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
G3B	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.1	21.2	2.0	0	0	
G3B	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.1	21.2	2.0	0	0	
G3B	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
G3B	#REF!	#REF!	G4 (3)	NDA	6.86	No Installation	27/01/2020 13:34:00	-	-	-	0.40	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
G3B	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 15:18:00	998	998	$0.0_{(I)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G4		---	No Installation	30 secs	998	998	$0.1_{(SS)}$	-	-	-	-	-	-	-	
G3B	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 15:19:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
G3B	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G3B	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
G3B	#REF!	#REF!	G4 (3)	NDA	6.86	No Installation	27/01/2020 15:22:00	-	-	-	0.32	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
G4	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 11:10:00	1023	1023	$0.0_{(I)}$	-	-	-	-	-	-	-	
G4	#REF!	#REF!	G1		---	No Installation	30 secs	1023	1023	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G4	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 11:11:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G4	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.2	19.6	4.0	0	0	
G4	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.2	19.9	4.0	0	0	
G4	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.1	20.8	2.0	0	0	
G4	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.2	20.8	4.0	0	0	
G4	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.1	20.8	2.0	0	0	
G4	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.2	20.8	4.0	0	0	
G4	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.2	20.9	4.0	0	0	
G4	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.2	20.9	4.0	0	0	
G4	#REF!	#REF!	G1 (3)	NDA	8.97	No Installation	07/01/2020 11:20:00	-	-	-	0.99	-	-	-	-	-	-	
G4	#REF!	#REF!	G2	NDA	---	No Installation	14/01/2020 10:12:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
G4	#REF!	#REF!	G2		---	No Installation	30 secs	999	999	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G4	#REF!	#REF!	G2 (2)	NDA	---	No Installation	14/01/2020 10:13:00	-	-	-	-	0.6	0.0	15.2	54.0	0	0	
G4	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	6.5	0.0	15.1	>>>	0	0	
G4	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	6.5	0.0	13.5	>>>	0	0	
G4	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	7.2	0.0	6.2	>>>	0	0	
G4	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	7.6	0.0	5.3	>>>	0	1	
G4	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	8.0	0.0	4.7	>>>	0	1	
G4	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	8.5	0.0	4.1	>>>	0	1	
G4	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	8.9	0.0	3.9	>>>	0	1	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G4	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	9.1	0.0	3.6	>>>	0	1	
G4	#REF!	#REF!	G2 (2)		---	No Installation	330 secs	-	-	-	-	-	0.0	-	-	-	-	
G4	#REF!	#REF!	G2 (2)		---	No Installation	360 secs	-	-	-	-	9.1	0.0	3.6	>>>	0	1	
G4	#REF!	#REF!	G2 (3)	NDA	8.96	No Installation	14/01/2020 10:20:00	-	-	-	1.02	-	-	-	-	-	-	
G4	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 12:12:00	1047	1047	$0.0_{(I)}$	-	-	-	-	-	-	-	
G4	#REF!	#REF!	G3		---	No Installation	30 secs	1047	1047	$0.1_{(SS)}$	-	-	-	-	-	-	-	
G4	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 12:13:00	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
G4	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	3.8	21.1	19.9	>>>	0	0	
G4	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	3.9	21.4	18.9	>>>	0	0	
G4	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	3.5	18.9	15.5	>>>	0	0	
G4	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	3.5	18.7	15.6	>>>	0	0	
G4	#REF!	#REF!	G3 (2)		---	No Installation	150 secs	-	-	-	-	3.5	18.6	15.8	>>>	0	0	
G4	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	3.1	16.5	16.3	>>>	0	0	
G4	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	3.0	16.1	16.1	>>>	0	0	
G4	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	3.0	16.0	16.5	>>>	0	0	
G4	#REF!	#REF!	G3 (3)	NDA	8.97	No Installation	20/01/2020 12:46:00	-	-	-	0.75	-	-	-	-	-	-	
G4	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 11:48:00	1001	1001	$0.0_{(I)}$	-	-	-	-	-	-	-	
G4	#REF!	#REF!	G4		---	No Installation	30 secs	1001	1001	$0.2_{(SS)}$	-	-	-	-	-	-	-	
G4	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 11:49:00	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
G4	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	2.3	7.4	18.5	>>>	0	0	
G4	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	2.3	7.4	17.3	>>>	0	0	
G4	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	2.3	7.4	17.3	>>>	0	0	
G4	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	2.3	7.4	17.3	>>>	0	0	
G4	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	2.3	7.5	17.3	>>>	0	0	
G4	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	2.3	7.4	17.3	>>>	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G4	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	2.3	7.3	17.4	>>>	0	0	
G4	#REF!	#REF!	G4 (3)	NDA	8.97	No Installation	27/01/2020 11:55:00	-	-	-	0.82	-	-	-	-	-	-	
G5	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 10:54:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
G5	#REF!	#REF!	G1		---	No Installation	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G5	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 10:55:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G5	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	2.7	0.0	20.2	0.0	0	0	
G5	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	2.7	0.0	19.7	0.0	0	0	
G5	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	2.7	0.0	17.8	0.0	0	0	
G5	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	2.7	0.0	17.7	0.0	0	0	
G5	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	2.7	0.0	17.7	0.0	0	0	
G5	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	2.4	0.0	18.0	0.0	0	0	
G5	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	1.8	0.0	18.9	0.0	0	0	
G5	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	1.5	0.0	19.2	0.0	0	0	
G5	#REF!	#REF!	G1 (3)	NDA	5.67	No Installation	07/01/2020 11:03:00	-	-	-	3.30	-	-	-	-	-	-	
G5	#REF!	#REF!	G2	NDA	---	No Installation	14/01/2020 10:03:00	986	986	$0.0_{(I)}$	-	-	-	-	-	-	-	
G5	#REF!	#REF!	G2		---	No Installation	30 secs	986	986	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G5	#REF!	#REF!	G2 (2)	NDA	---	No Installation	14/01/2020 10:05:00	-	-	-	-	0.3	0.0	20.9	78.8	-1	0	
G5	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	21.0	78.9	-	0	
G5	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	21.1	78.8	-	0	
G5	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	21.0	78.9	-	0	
G5	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	21.0	78.9	-	0	
G5	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.0	78.9	-	0	
G5	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	21.0	78.9	-	1	
G5	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	21.0	78.9	-	1	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G5	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	20.9	79.0	-	1	
G5	#REF!	#REF!	G2 (2)		---	No Installation	360 secs	-	-	-	-	0.1	0.0	20.9	79.0	0	1	
G5	#REF!	#REF!	G2 (3)	NDA	5.67	No Installation	14/01/2020 10:12:00	-	-	-	3.35	-	-	-	-	-	-	
G5	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 12:04:00	1047	1047	$0.0_{(I)}$	-	-	-	-	-	-	-	
G5	#REF!	#REF!	G3		---	No Installation	30 secs	1047	1047	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G5	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 12:05:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G5	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	10.0	76.3	19.6	>>>	0	0	
G5	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	10.0	76.1	16.2	>>>	1	0	
G5	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	9.8	71.3	2.4	>>>	0	0	
G5	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	8.7	60.9	3.3	>>>	0	0	
G5	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	7.7	50.5	6.1	>>>	0	0	
G5	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	6.8	41.6	8.6	>>>	0	0	
G5	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	6.1	36.2	10.2	>>>	0	0	
G5	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	5.7	33.6	11.0	>>>	0	0	
G5	#REF!	#REF!	G3 (3)	NDA	5.67	No Installation	20/01/2020 12:11:00	-	-	-	3.33	-	-	-	-	-	-	
G5	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 10:25:00	1003	1002	$0.0_{(I)}$	-	-	-	-	-	-	-	
G5	#REF!	#REF!	G4		---	No Installation	30 secs	1003	1002	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G5	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 10:26:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G5	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	18.9	0.0	0	0	
G5	#REF!	#REF!	G4 (2)		---	No Installation	75 secs	-	-	-	-	0.1	0.0	19.0	0.0	0	0	
G5	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	19.1	0.0	0	0	
G5	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	19.2	0.0	0	0	
G5	#REF!	#REF!	G4 (2)		---	No Installation	150 secs	-	-	-	-	0.0	0.0	19.3	0.0	0	0	
G5	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	19.5	0.0	0	0	
G5	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	19.6	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G5	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	19.8	0.0	0	0	
G5	#REF!	#REF!	G4 (3)	NDA	5.67	No Installation	27/01/2020 10:33:00	-	-	-	3.38	-	-	-	-	-	-	
G6	#REF!	#REF!	G1	NDA	---	No Installation	08/01/2020 10:16:00	-	-	$0.1_{(I)}$	-	-	-	-	-	-	-	
G6	#REF!	#REF!	G1		---	No Installation	30 secs	-	-	$0.1_{(SS)}$	-	-	-	-	-	-	-	
G6	#REF!	#REF!	G1 (2)	NDA	---	No Installation	08/01/2020 10:19:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G6	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
G6	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
G6	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.5	0.0	21.1	0.0	0	0	
G6	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.5	0.0	21.2	0.0	0	0	
G6	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.5	0.0	21.3	0.0	0	0	
G6	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.5	0.0	21.4	0.0	0	0	
G6	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.5	0.0	21.5	0.0	0	0	
G6	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.3	0.0	21.5	0.0	0	0	
G6	#REF!	#REF!	G1 (3)	NDA	5.39	No Installation	08/01/2020 10:35:00	-	-	-	5.39	-	-	-	-	-	-	
G6	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 13:34:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
G6	#REF!	#REF!	G2		---	No Installation	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
G6	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 13:35:00	-	-	-	-	0.1	0.0	21.5	0.0	0	0	
G6	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
G6	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
G6	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.9	0.0	0	0	
G6	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	0.2	0.0	21.7	0.0	0	0	
G6	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	0.4	0.0	21.5	0.0	0	0	
G6	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	22.0	0.0	0	0	
G6	#REF!	#REF!	G2 (2)		---	No Installation	1140 secs	-	-	-	-	0.1	0.0	22.0	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
G6	#REF!	#REF!	G2 (3)	NDA	5.39	No Installation	13/01/2020 13:54:00	-	-	-	DRY	-	-	-	-	-	-	
G6	#REF!	#REF!	G3	NDA	---	No Installation	21/01/2020 09:23:00	1042	1042	$0.2_{(I)}$	-	-	-	-	-	-	-	
G6	#REF!	#REF!	G3		---	No Installation	30 secs	1042	1042	$0.3_{(SS)}$	-	-	-	-	-	-	-	
G6	#REF!	#REF!	G3 (2)	NDA	---	No Installation	21/01/2020 09:24:00	-	-	-	-	0.1	0.0	20.6	0.0	0	0	
G6	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	20.6	0.0	0	0	
G6	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	20.6	0.0	0	0	
G6	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	20.6	0.0	0	0	
G6	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
G6	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
G6	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
G6	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
G6	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
G6	#REF!	#REF!	G3 (3)	NDA	5.39	No Installation	21/01/2020 09:30:00	-	-	-	5.29	-	-	-	-	-	-	
G6	#REF!	#REF!	G4	NDA	---	No Installation	28/01/2020 09:04:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
G6	#REF!	#REF!	G4		---	No Installation	30 secs	999	999	$0.1_{(SS)}$	-	-	-	-	-	-	-	
G6	#REF!	#REF!	G4 (2)	NDA	---	No Installation	28/01/2020 09:05:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
G6	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
G6	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
G6	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
G6	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
G6	#REF!	#REF!	G4 (2)		---	No Installation	150 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
G6	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G6	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G6	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
G6	#REF!	#REF!	G4 (3)	NDA	5.39	No Installation	28/01/2020 09:13:00	-	-	-	5.29	-	-	-	-	-	-	

Key: I = Initial, Min = Minimum, P = Peak, SS = Steady State. Note: LEL = Lower Explosive Limit = 5% v/v.

IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW7	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 12:39:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW7	#REF!	#REF!	G1		---	No Installation	30 secs	1021	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW7	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 12:40:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.3	0.0	20.7	0.0	0	0	
GW7	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.3	0.0	20.6	0.0	0	0	
GW7	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.4	0.0	20.4	0.0	0	0	
GW7	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.4	0.0	20.4	0.0	0	0	
GW7	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.4	0.0	20.3	0.0	0	0	
GW7	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.6	0.0	20.1	0.0	0	0	
GW7	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.8	0.0	20.0	0.0	0	0	
GW7	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.9	0.0	19.8	0.0	0	0	
GW7	#REF!	#REF!	G1 (3)	NDA	9.97	No Installation	07/01/2020 12:49:00	-	-	-	5.91	-	-	-	-	-	-	
GW7	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 09:39:00	970	970	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW7	#REF!	#REF!	G2		---	No Installation	30 secs	971	971	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW7	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 09:40:00	-	-	-	-	0.1	0.0	20.9	79.0	0	-	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	0.5	0.0	16.1	83.4	-	-	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	0.5	0.0	14.5	85.0	-	-	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.5	0.0	14.4	85.1	-	-	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	0.5	0.0	14.3	85.2	-	-	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	0.5	0.0	14.2	85.3	-	-	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	0.5	0.0	14.6	84.9	-	0	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	0.5	0.0	14.8	84.7	-	0	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	0.6	0.0	14.8	84.6	-	0	
GW7	#REF!	#REF!	G2 (2)		---	No Installation	600 secs	-	-	-	-	0.6	0.0	14.8	84.6	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW7	#REF!	#REF!	G2 (3)	NDA	9.97	No Installation	13/01/2020 09:50:00	-	-	-	5.93	-	-	-	-	-	-	
GW7	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 15:05:00	1046	1046	$0.1_{(I)}$	-	-	-	-	-	-	-	
GW7	#REF!	#REF!	G3		---	No Installation	30 secs	1046	1046	$0.2_{(SS)}$	-	-	-	-	-	-	-	
GW7	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 15:06:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (2)		---	No Installation	150 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (2)		---	No Installation	360 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G3 (3)	NDA	9.97	No Installation	20/01/2020 15:16:00	-	-	-	5.87	-	-	-	-	-	-	
GW7	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 14:35:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW7	#REF!	#REF!	G4		---	No Installation	30 secs	999	999	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW7	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 14:36:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW7	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
GW7	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
GW7	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
GW7	#REF!	#REF!	G4 (2)		---	No Installation	150 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
GW7	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
GW7	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
GW7	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
GW7	#REF!	#REF!	G4 (2)		---	No Installation	360 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
GW7	#REF!	#REF!	G4 (3)	NDA	9.97	No Installation	27/01/2020 14:43:00	-	-	-	5.90	-	-	-	-	-	-	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW8	#REF!	#REF!	G1	NDA	---	No Installation	08/01/2020 09:38:00	1021	1021	$-0.1_{(I)}$	-	-	-	-	-	-	-	
GW8	#REF!	#REF!	G1		---	No Installation	30 secs	1021	1021	$-0.1_{(SS)}$	-	-	-	-	-	-	-	
GW8	#REF!	#REF!	G1 (2)	NDA	---	No Installation	08/01/2020 09:39:00	-	-	-	-	0.3	0.0	20.2	0.0	0	0	
GW8	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	1.5	4.4	20.1	88.0	0	0	
GW8	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	1.4	4.5	19.9	90.0	0	0	
GW8	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	1.4	4.6	19.4	92.0	0	0	
GW8	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	1.4	4.6	19.4	92.0	0	0	
GW8	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	1.4	4.6	19.4	92.0	0	0	
GW8	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	1.4	4.7	19.4	94.0	0	0	
GW8	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	1.4	4.7	19.4	94.0	0	0	
GW8	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	1.4	4.7	19.4	94.0	0	0	
GW8	#REF!	#REF!	G1 (3)	NDA	9.97	No Installation	08/01/2020 09:45:00	-	-	-	5.91	-	-	-	-	-	-	
GW8	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 11:13:00	1022	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW8	#REF!	#REF!	G2		---	No Installation	30 secs	1023	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW8	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 11:14:00	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 11:15:00	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	1.4	0.0	19.8	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	1.4	11.8	19.1	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	1.0	8.3	18.9	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	1.0	7.9	19.1	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	0.9	7.3	19.3	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	0.8	6.2	19.6	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	0.5	5.9	19.7	0.0	0	0	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	0.5	5.7	19.8	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW8	#REF!	#REF!	G2 (2)		---	No Installation	660 secs	-	-	-	-	0.5	5.7	20.1	0.0	0	0	
GW8	#REF!	#REF!	G2 (3)	NDA	9.97	No Installation	13/01/2020 11:26:00	-	-	-	5.98	-	-	-	-	-	-	
GW8	#REF!	#REF!	G3	NDA	---	No Installation	21/01/2020 08:14:00	1042	1042	$0.2_{(I)}$	-	-	-	-	-	-	-	
GW8	#REF!	#REF!	G3		---	No Installation	30 secs	1042	1042	$0.2_{(SS)}$	-	-	-	-	-	-	-	
GW8	#REF!	#REF!	G3 (2)	NDA	---	No Installation	21/01/2020 08:15:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW8	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW8	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW8	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
GW8	#REF!	#REF!	G3 (2)		---	No Installation	150 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
GW8	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
GW8	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	21.4	0.0	1	0	
GW8	#REF!	#REF!	G3 (2)		---	No Installation	360 secs	-	-	-	-	0.1	0.0	21.4	0.0	1	0	
GW8	#REF!	#REF!	G3 (3)	NDA	9.97	No Installation	21/01/2020 08:22:00	-	-	-	5.85	-	-	-	-	-	-	
GW8	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 15:05:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW8	#REF!	#REF!	G4		---	No Installation	30 secs	999	999	$0.2_{(SS)}$	-	-	-	-	-	-	-	
GW8	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 15:06:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW8	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
GW8	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
GW8	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW8	#REF!	#REF!	G4 (3)	NDA	9.97	No Installation	27/01/2020 15:12:00	-	-	-	5.91	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G1	NDA	---	No Installation	08/01/2020 09:51:00	-	-	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G1		---	No Installation	30 secs	-	-	$0.1_{(SS)}$	-	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G1 (2)	NDA	---	No Installation	08/01/2020 09:52:00	-	-	-	-	0.1	0.0	20.9	0.0	19	0	
GW9S	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	21.0	0.0	10	0	
GW9S	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	21.1	0.0	1	0	
GW9S	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.2	0.0	1	0	
GW9S	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
GW9S	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
GW9S	#REF!	#REF!	G1 (3)	NDA	5.61	No Installation	08/01/2020 10:06:00	-	-	-	2.29	-	-	-	-	-	-	
		Remarks: Pump failure.																
GW9S	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 11:51:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G2		---	No Installation	30 secs	1021	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 11:52:00	-	-	-	-	0.1	0.0	22.1	0.0	0	0	
GW9S	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	22.1	0.0	0	0	
GW9S	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	22.1	0.0	0	0	
GW9S	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	22.1	0.0	0	0	
GW9S	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	22.2	0.0	0	0	
GW9S	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	22.2	0.0	0	0	
GW9S	#REF!	#REF!	G2 (3)	NDA	5.61	No Installation	13/01/2020 11:55:00	-	-	-	2.33	0.0	0.0	22.2	0.0	0	0	
GW9S	#REF!	#REF!	G3	NDA	---	No Installation	21/01/2020 08:23:00	1042	1042	$0.2_{(I)}$	-	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G3		---	No Installation	30 secs	1042	1042	$0.3_{(SS)}$	-	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G3 (2)	NDA	---	No Installation	21/01/2020 08:24:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW9S	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
GW9S	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
GW9S	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
GW9S	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
GW9S	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
GW9S	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
GW9S	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	21.3	0.0	0	0	
GW9S	#REF!	#REF!	G3 (3)	NDA	5.60	No Installation	21/01/2020 08:30:00	-	-	-	2.27	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 15:24:00	998	998	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G4		---	No Installation	30 secs	998	998	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW9S	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 15:25:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (2)		---	No Installation	75 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (2)		---	No Installation	150 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW9S	#REF!	#REF!	G4 (3)	NDA	5.60	No Installation	27/01/2020 15:34:00	-	-	-	2.30	-	-	-	-	-	-	
GW10	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 12:15:00	1022	1022	$0.1_{(I)}$	-	-	-	-	-	-	-	
GW10	#REF!	#REF!	G1		---	No Installation	30 secs	1022	1022	$0.1_{(SS)}$	-	-	-	-	-	-	-	
GW10	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 12:16:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW10	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.2	0.0	20.7	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW10	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.2	0.0	20.6	0.0	0	0	
GW10	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.2	0.0	20.5	0.0	0	0	
GW10	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.2	0.0	20.5	0.0	0	0	
GW10	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.2	0.0	20.5	0.0	0	0	
GW10	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.2	0.0	20.6	0.0	0	0	
GW10	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.2	0.0	20.6	0.0	0	0	
GW10	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.2	0.0	20.6	0.0	0	0	
GW10	#REF!	#REF!	G1 (3)	NDA	5.40	No Installation	07/01/2020 12:25:00	-	-	-	0.24	-	-	-	-	-	-	
GW10	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 09:15:00	970	970	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW10	#REF!	#REF!	G2		---	No Installation	30 secs	971	971	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW10	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 09:16:00	-	-	-	-	0.1	0.0	21.1	78.8	0	-	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	0.9	0.0	20.4	78.7	-	-	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	0.9	0.0	20.2	78.9	-	-	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.9	0.0	20.2	78.9	-	-	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	0.9	0.0	20.2	78.9	-	-	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	1.0	0.0	20.2	78.8	-	-	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	0.9	0.0	20.2	78.9	-	0	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	0.9	0.0	20.3	78.8	-	0	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	0.9	0.0	20.3	78.8	-	0	
GW10	#REF!	#REF!	G2 (2)		---	No Installation	600 secs	-	-	-	-	0.9	0.0	20.3	78.8	0	0	
GW10	#REF!	#REF!	G2 (3)	NDA	5.39	No Installation	13/01/2020 09:26:00	-	-	-	0.30	-	-	-	-	-	-	
GW10	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 14:47:00	1046	1046	$0.2_{(I)}$	-	-	-	-	-	-	-	
GW10	#REF!	#REF!	G3		---	No Installation	30 secs	1046	1046	$0.2_{(SS)}$	-	-	-	-	-	-	-	
GW10	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 14:48:00	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	20.9	0.0	1	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	75 secs	-	-	-	-	0.4	0.5	20.7	10.0	0	0	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	0.4	0.5	20.6	10.0	0	0	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.3	0.4	20.5	8.0	0	0	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	160 secs	-	-	-	-	0.3	0.4	20.5	8.0	0	0	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	190 secs	-	-	-	-	0.3	0.3	20.6	6.0	0	0	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	250 secs	-	-	-	-	0.2	0.2	20.7	4.0	0	0	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	310 secs	-	-	-	-	0.2	0.2	20.8	4.0	0	0	
GW10	#REF!	#REF!	G3 (2)		---	No Installation	370 secs	-	-	-	-	0.2	0.1	20.8	2.0	0	0	
GW10	#REF!	#REF!	G3 (3)	NDA	5.38	No Installation	20/01/2020 14:57:00	-	-	-	0.21	-	-	-	-	-	-	
GW10	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 13:02:00	1001	1000	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW10	#REF!	#REF!	G4		---	No Installation	30 secs	1001	1000	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW10	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 13:03:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW10	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	2.6	1.8	20.4	36.0	1	0	
GW10	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	2.6	1.8	20.0	36.0	1	0	
GW10	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	2.7	1.8	19.6	36.0	1	0	
GW10	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	2.6	1.8	19.6	36.0	1	0	
GW10	#REF!	#REF!	G4 (2)		---	No Installation	150 secs	-	-	-	-	2.6	1.7	19.6	34.0	1	0	
GW10	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	2.6	1.7	19.6	34.0	1	0	
GW10	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	2.6	1.7	19.6	34.0	1	0	
GW10	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	2.6	1.7	19.6	34.0	1	0	
GW10	#REF!	#REF!	G4 (3)	NDA	5.38	No Installation	27/01/2020 13:11:00	-	-	-	0.31	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G1	NDA	---	No Installation	08/01/2020 10:34:00	-	-	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G1		---	No Installation	30 secs	-	-	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G1 (2)	NDA	---	No Installation	08/01/2020 10:35:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW11S	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
GW11S	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	21.0	0.0	0	0	
GW11S	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW11S	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.2	0.0	20.7	0.0	0	0	
GW11S	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.4	0.0	20.7	0.0	0	0	
GW11S	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	20.6	0.0	0	0	
GW11S	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	20.6	0.0	0	0	
GW11S	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	20.5	0.0	0	0	
GW11S	#REF!	#REF!	G1 (3)	NDA	8.69	No Installation	08/01/2020 10:53:00	-	-	-	0.53	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 13:17:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G2		---	No Installation	30 secs	1021	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 13:19:00	-	-	-	-	0.0	0.0	22.1	0.0	0	0	
GW11S	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	22.2	0.0	0	0	
GW11S	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	22.2	0.0	0	0	
GW11S	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	21.5	0.0	0	0	
GW11S	#REF!	#REF!	G2 (2)		---	No Installation	150 secs	-	-	-	-	0.0	0.0	21.5	0.0	0	0	
GW11S	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	21.5	0.0	0	0	
GW11S	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	21.5	0.0	0	0	
GW11S	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	21.5	0.0	0	0	
GW11S	#REF!	#REF!	G2 (2)		---	No Installation	1080 secs	-	-	-	-	0.0	0.0	21.5	0.0	0	0	
GW11S	#REF!	#REF!	G2 (3)	NDA	8.69	No Installation	13/01/2020 13:36:00	-	-	-	0.53	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G3	NDA	---	No Installation	21/01/2020 10:14:00	1042	1042	$0.2_{(I)}$	-	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G3		---	No Installation	30 secs	1042	1042	$0.2_{(SS)}$	-	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G3 (2)	NDA	---	No Installation	21/01/2020 10:15:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW11S	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW11S	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW11S	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
GW11S	#REF!	#REF!	G3 (2)		---	No Installation	150 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
GW11S	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
GW11S	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	21.2	0.0	0	0	
GW11S	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	21.2	0.0	1	0	
GW11S	#REF!	#REF!	G3 (2)		---	No Installation	360 secs	-	-	-	-	0.1	0.0	21.2	0.0	1	0	
GW11S	#REF!	#REF!	G3 (3)	NDA	10.16	No Installation	21/01/2020 10:22:00	-	-	-	10.14	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G4	NDA	---	No Installation	28/01/2020 09:54:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G4		---	No Installation	30 secs	999	999	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW11S	#REF!	#REF!	G4 (2)	NDA	---	No Installation	28/01/2020 09:55:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW11S	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.0	18.9	0.0	0	0	
GW11S	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	15.7	0.0	0	0	
GW11S	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	15.2	0.0	0	0	
GW11S	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	15.1	0.0	0	0	
GW11S	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	15.1	0.0	0	0	
GW11S	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	15.1	0.0	0	0	
GW11S	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	15.1	0.0	0	0	
GW11S	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	15.1	0.0	0	0	
GW11S	#REF!	#REF!	G4 (3)	NDA	10.16	No Installation	28/01/2020 10:02:00	-	-	-	10.16	-	-	-	-	-	-	
GW12	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 11:44:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW12	#REF!	#REF!	G1		---	No Installation	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW12	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 11:45:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW12	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.6	0.0	21.1	0.0	0	0	

Key: I = Initial, Min = Minimum, P = Peak, SS = Steady State. Note: LEL = Lower Explosive Limit = 5% v/v.

IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW12	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.6	0.0	20.9	0.0	0	0	
GW12	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.5	0.0	20.7	0.0	0	0	
GW12	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.5	0.0	20.8	0.0	0	0	
GW12	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.6	0.0	20.7	0.0	0	0	
GW12	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.7	0.0	20.6	0.0	0	0	
GW12	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.6	0.0	20.7	0.0	0	0	
GW12	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.5	0.0	20.7	0.0	0	0	
GW12	#REF!	#REF!	G1 (3)	NDA	12.77	No Installation	07/01/2020 11:54:00	-	-	-	7.57	-	-	-	-	-	-	
GW12	#REF!	#REF!	G2	NDA	---	No Installation	14/01/2020 10:42:00	1000	1000	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW12	#REF!	#REF!	G2		---	No Installation	30 secs	1000	1000	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW12	#REF!	#REF!	G2 (2)	NDA	---	No Installation	14/01/2020 10:43:00	-	-	-	-	0.1	0.2	21.0	4.0	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	4.2	18.2	18.7	>>>	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	75 secs	-	-	-	-	4.1	18.0	17.6	>>>	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	3.7	15.5	16.5	>>>	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	3.6	15.2	16.6	>>>	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	150 secs	-	-	-	-	3.5	14.7	16.8	>>>	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	3.2	13.2	17.3	>>>	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	2.8	11.3	17.9	>>>	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	2.6	10.6	18.2	>>>	0	0	
GW12	#REF!	#REF!	G2 (2)		---	No Installation	360 secs	-	-	-	-	2.6	10.5	18.2	>>>	0	0	
GW12	#REF!	#REF!	G2 (3)	NDA	12.77	No Installation	14/01/2020 10:50:00	-	-	-	7.69	-	-	-	-	-	-	
GW12	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 14:25:00	1046	1046	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW12	#REF!	#REF!	G3		---	No Installation	30 secs	1046	1046	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW12	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 14:26:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW12	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW12	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
GW12	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
GW12	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	21.1	0.0	1	0	
GW12	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	21.1	0.0	1	0	
GW12	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
GW12	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	21.2	0.0	1	0	
GW12	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	21.2	0.0	1	0	
GW12	#REF!	#REF!	G3 (3)	NDA	7.57	No Installation	20/01/2020 14:39:00	-	-	-	2.55	-	-	-	-	-	-	
GW12	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 12:45:00	1001	1001	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW12	#REF!	#REF!	G4		---	No Installation	30 secs	1001	1001	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW12	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 12:46:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW12	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.2	21.1	4.0	0	0	
GW12	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.2	21.1	4.0	0	0	
GW12	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.2	21.0	4.0	0	0	
GW12	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.2	21.1	4.0	0	0	
GW12	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.2	21.1	4.0	0	0	
GW12	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.1	21.1	2.0	0	0	
GW12	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.1	21.1	2.0	0	0	
GW12	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.1	21.1	2.0	0	0	
GW12	#REF!	#REF!	G4 (3)	NDA	7.57	No Installation	27/01/2020 12:52:00	-	-	-	2.62	-	-	-	-	-	-	
GW13	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 11:34:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW13	#REF!	#REF!	G1		---	No Installation	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW13	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 11:35:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW13	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.4	0.0	21.2	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW13	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.4	0.0	21.1	0.0	0	0	
GW13	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.4	0.0	20.9	0.0	0	0	
GW13	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.4	0.0	21.0	0.0	0	0	
GW13	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.4	0.0	21.0	0.0	0	0	
GW13	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.4	0.0	21.0	0.0	0	0	
GW13	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.4	0.0	21.0	0.0	0	0	
GW13	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.4	0.0	21.0	0.0	0	0	
GW13	#REF!	#REF!	G1 (3)	NDA	6.19	No Installation	07/01/2020 11:43:00	-	-	-	2.34	-	-	-	-	-	-	
GW13	#REF!	#REF!	G2	NDA	---	No Installation	14/01/2020 10:28:00	970	970	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW13	#REF!	#REF!	G2		---	No Installation	30 secs	972	970	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW13	#REF!	#REF!	G2 (2)	NDA	---	No Installation	14/01/2020 10:29:00	-	-	-	-	0.1	0.0	20.8	79.1	1	0	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	1.2	0.0	15.3	83.5	-	0	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	90 secs	-	-	-	-	1.2	0.0	14.0	84.8	-	0	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	1.2	0.0	13.9	84.9	-	0	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	150 secs	-	-	-	-	1.2	0.0	13.8	85.0	-	1	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	210 secs	-	-	-	-	1.2	0.0	13.8	85.0	-	0	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	270 secs	-	-	-	-	1.1	0.0	13.8	85.1	-	0	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	330 secs	-	-	-	-	1.1	0.0	13.9	85.0	-	0	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	390 secs	-	-	-	-	1.1	0.0	14.0	84.9	-	0	
GW13	#REF!	#REF!	G2 (2)		---	No Installation	450 secs	-	-	-	-	1.1	0.1	14.0	84.8	0	0	
GW13	#REF!	#REF!	G2 (3)	NDA	6.19	No Installation	14/01/2020 10:37:00	-	-	-	2.44	-	-	-	-	-	-	
GW13	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 13:27:00	1047	1047	$0.1_{(I)}$	-	-	-	-	-	-	-	
GW13	#REF!	#REF!	G3		---	No Installation	30 secs	1047	1047	$0.2_{(SS)}$	-	-	-	-	-	-	-	
GW13	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 13:28:00	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
GW13	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	20.7	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW13	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
GW13	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW13	#REF!	#REF!	G3 (2)		---	No Installation	90 secs	-	-	-	-	2.2	4.6	20.5	92.0	0	0	
GW13	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	2.4	5.0	19.9	100.0	0	0	
GW13	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	2.4	4.9	19.8	98.0	0	0	
GW13	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	2.3	4.7	19.9	94.0	0	0	
GW13	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	2.2	4.4	20.0	88.0	0	0	
GW13	#REF!	#REF!	G3 (3)	NDA	6.19	No Installation	20/01/2020 13:34:00	-	-	-	2.46	-	-	-	-	-	-	
GW13	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 12:36:00	-	-	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW13	#REF!	#REF!	G4		---	No Installation	30 secs	-	-	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW13	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 12:37:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW13	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.2	21.1	4.0	0	0	
GW13	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.4	21.1	8.0	0	0	
GW13	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.1	1.0	20.8	20.0	0	0	
GW13	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.6	21.0	12.0	0	0	
GW13	#REF!	#REF!	G4 (2)		---	No Installation	150 secs	-	-	-	-	0.1	0.4	21.0	8.0	0	0	
GW13	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.1	21.1	2.0	0	0	
GW13	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
GW13	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
GW13	#REF!	#REF!	G4 (3)	NDA	6.19	No Installation	27/01/2020 12:44:00	-	-	-	2.51	-	-	-	-	-	-	
GW15	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 11:56:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW15	#REF!	#REF!	G1		---	No Installation	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW15	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 11:57:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW15	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW15	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW15	#REF!	#REF!	G1 (3)	NDA	4.63	No Installation	07/01/2020 12:00:00	-	-	-	-0.58	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
GW15	#REF!	#REF!	G2	NDA	---	No Installation	14/01/2020 10:50:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW15	#REF!	#REF!	G2		---	No Installation	30 secs	999	999	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW15	#REF!	#REF!	G2 (2)	NDA	---	No Installation	14/01/2020 10:51:00	-	-	-	-	0.0	0.0	18.3	>>>	0	0	
GW15	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	18.5	>>>	0	0	
GW15	#REF!	#REF!	G2 (3)	NDA	4.63	No Installation	14/01/2020 10:53:00	-	-	-	-0.62	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
GW15	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 14:47:00	1046	1046	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW15	#REF!	#REF!	G3		---	No Installation	30 secs	1046	1046	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW15	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 14:48:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW15	#REF!	#REF!	G3 (3)	NDA	4.64	No Installation	20/01/2020 14:49:00	-	-	-	-0.62	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
GW15	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 11:38:00	1001	1001	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW15	#REF!	#REF!	G4		---	No Installation	30 secs	1001	1001	$0.1_{(SS)}$	-	-	-	-	-	-	-	
GW15	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 11:39:00	-	-	-	-	0.1	0.0	20.7	0.0	0	0	
GW15	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	20.1	>>>	0	0	
GW15	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.0	20.1	>>>	0	0	
GW15	#REF!	#REF!	G4 (3)	NDA	4.64	No Installation	27/01/2020 11:49:00	-	-	-	-0.58	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
GW24S	#REF!	#REF!	G1	NDA	---	No Installation	07/01/2020 13:17:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G1		---	No Installation	30 secs	1021	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G1 (2)	NDA	---	No Installation	07/01/2020 13:18:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
GW24S	#REF!	#REF!	G1 (2)		---	No Installation	15 secs	-	-	-	-	0.3	0.5	20.5	10.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW24S	#REF!	#REF!	G1 (2)		---	No Installation	30 secs	-	-	-	-	0.3	0.5	20.4	10.0	0	0	
GW24S	#REF!	#REF!	G1 (2)		---	No Installation	60 secs	-	-	-	-	0.3	0.4	20.3	8.0	0	0	
GW24S	#REF!	#REF!	G1 (2)		---	No Installation	90 secs	-	-	-	-	0.3	0.4	20.4	8.0	0	0	
GW24S	#REF!	#REF!	G1 (2)		---	No Installation	120 secs	-	-	-	-	0.3	0.3	20.4	6.0	0	0	
GW24S	#REF!	#REF!	G1 (2)		---	No Installation	180 secs	-	-	-	-	0.3	0.3	20.4	6.0	0	0	
GW24S	#REF!	#REF!	G1 (2)		---	No Installation	240 secs	-	-	-	-	0.2	0.3	20.5	6.0	0	0	
GW24S	#REF!	#REF!	G1 (2)		---	No Installation	300 secs	-	-	-	-	0.2	0.2	20.5	4.0	0	0	
GW24S	#REF!	#REF!	G1 (3)	NDA	4.34	No Installation	07/01/2020 13:28:00	-	-	-	0.30	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G2	NDA	---	No Installation	13/01/2020 11:17:00	970	970	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G2		---	No Installation	30 secs	971	971	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G2 (2)	NDA	---	No Installation	13/01/2020 11:18:00	-	-	-	-	0.1	0.0	20.6	79.3	0	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	15 secs	-	-	-	-	1.4	0.0	18.9	79.7	-	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	30 secs	-	-	-	-	1.4	0.0	18.4	80.2	-	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	60 secs	-	-	-	-	1.4	0.0	18.4	80.2	-	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	120 secs	-	-	-	-	1.4	0.0	18.3	80.3	-	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	150 secs	-	-	-	-	1.4	0.0	18.4	80.2	-	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	180 secs	-	-	-	-	1.4	0.0	18.4	80.2	-	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	240 secs	-	-	-	-	1.4	0.0	18.4	80.2	-	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	300 secs	-	-	-	-	1.4	0.0	18.4	80.2	-	0	
GW24S	#REF!	#REF!	G2 (2)		---	No Installation	660 secs	-	-	-	-	1.4	0.0	18.4	80.2	0	0	
GW24S	#REF!	#REF!	G2 (3)	NDA	4.34	No Installation	13/01/2020 11:29:00	-	-	-	0.32	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G3	NDA	---	No Installation	20/01/2020 15:20:00	1045	1045	$0.1_{(I)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G3		---	No Installation	30 secs	1045	1045	$0.2_{(SS)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G3 (2)	NDA	---	No Installation	20/01/2020 15:21:00	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
GW24S	#REF!	#REF!	G3 (2)		---	No Installation	15 secs	-	-	-	-	0.1	0.0	20.9	0.0	1	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW24S	#REF!	#REF!	G3 (2)		---	No Installation	30 secs	-	-	-	-	0.1	0.0	20.9	0.0	1	0	
GW24S	#REF!	#REF!	G3 (2)		---	No Installation	60 secs	-	-	-	-	0.1	0.0	20.8	0.0	1	0	
GW24S	#REF!	#REF!	G3 (2)		---	No Installation	120 secs	-	-	-	-	0.1	0.0	20.8	0.0	1	0	
GW24S	#REF!	#REF!	G3 (2)		---	No Installation	150 secs	-	-	-	-	0.1	0.0	20.8	0.0	1	0	
GW24S	#REF!	#REF!	G3 (2)		---	No Installation	180 secs	-	-	-	-	0.1	0.0	20.7	0.0	1	0	
GW24S	#REF!	#REF!	G3 (2)		---	No Installation	240 secs	-	-	-	-	0.1	0.0	20.6	0.0	1	0	
GW24S	#REF!	#REF!	G3 (2)		---	No Installation	300 secs	-	-	-	-	0.1	0.0	20.6	0.0	1	0	
GW24S	#REF!	#REF!	G3 (3)	NDA	4.34	No Installation	20/01/2020 15:27:00	-	-	-	0.38	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 14:24:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G4		---	No Installation	30 secs	999	999	$0.1_{(SS)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 14:25:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.1	20.9	2.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.1	20.9	2.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.1	20.9	2.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	90 secs	-	-	-	-	0.0	0.1	20.9	2.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.1	20.9	2.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.1	21.0	2.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.1	21.0	2.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.1	21.0	2.0	0	0	
GW24S	#REF!	#REF!	G4 (3)	NDA	4.34	No Installation	27/01/2020 14:32:00	-	-	-	0.51	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G4	NDA	---	No Installation	27/01/2020 14:44:00	999	999	$0.0_{(I)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G4		---	No Installation	30 secs	999	999	$0.0_{(SS)}$	-	-	-	-	-	-	-	
GW24S	#REF!	#REF!	G4 (2)	NDA	---	No Installation	27/01/2020 14:45:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	15 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	30 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	60 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	120 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	150 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	180 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	240 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
GW24S	#REF!	#REF!	G4 (2)		---	No Installation	300 secs	-	-	-	-	0.0	0.0	21.2	0.0	0	0	
GW24S	#REF!	#REF!	G4 (3)	NDA	4.34	No Installation	27/01/2020 14:52:00	-	-	-	0.43	-	-	-	-	-	-	
SCBH2019_1	1	50	G1	7.50	---	3.00 to 7.00	07/01/2020 13:05:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_1	1	50	G1		---	3.00 to 7.00	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_1	1	50	G1 (2)	7.50	---	3.00 to 7.00	07/01/2020 13:06:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
SCBH2019_1	1	50	G1 (3)	7.50	7.30	3.00 to 7.00	07/01/2020 13:07:00	-	-	-	0.19	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
SCBH2019_1	1	50	G2	7.50	---	3.00 to 7.00	13/01/2020 10:05:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_1	1	50	G2		---	3.00 to 7.00	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_1	1	50	G2 (2)	7.50	---	3.00 to 7.00	13/01/2020 10:06:00	-	-	-	-	0.8	0.0	18.0	0.0	0	0	
SCBH2019_1	1	50	G2 (3)	7.50	7.30	3.00 to 7.00	13/01/2020 10:07:00	-	-	-	0.39	-	-	-	-	-	-	
		Remarks: Water reaching analyser.																
SCBH2019_1	1	50	G3	7.50	---	3.00 to 7.00	20/01/2020 12:45:00	1048	1047	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_1	1	50	G3		---	3.00 to 7.00	30 secs	1048	1047	$0.0_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_1	1	50	G3 (2)	7.50	---	3.00 to 7.00	20/01/2020 12:46:00	-	-	-	-	0.1	0.0	20.8	0.0	0	0	
SCBH2019_1	1	50	G3 (2)		---	3.00 to 7.00	30 secs	-	-	-	-	2.3	0.9	19.7	18.0	5	0	
SCBH2019_1	1	50	G3 (2)		---	3.00 to 7.00	60 secs	-	-	-	-	2.2	0.8	19.2	16.0	1	0	
SCBH2019_1	1	50	G3 (2)		---	3.00 to 7.00	120 secs	-	-	-	-	2.2	0.8	19.3	16.0	1	0	
SCBH2019_1	1	50	G3 (2)		---	3.00 to 7.00	150 secs	-	-	-	-	2.1	0.8	19.3	16.0	1	0	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
SCBH2019_1	1	50	G3 (2)		---	3.00 to 7.00	180 secs	-	-	-	-	2.0	0.7	19.5	14.0	1	0	
SCBH2019_1	1	50	G3 (2)		---	3.00 to 7.00	240 secs	-	-	-	-	1.9	0.7	19.6	14.0	1	0	
SCBH2019_1	1	50	G3 (2)		---	3.00 to 7.00	300 secs	-	-	-	-	1.8	0.6	19.7	12.0	0	0	
SCBH2019_1	1	50	G3 (3)	7.50	7.31	3.00 to 7.00	20/01/2020 12:58:00	-	-	-	0.91	-	-	-	-	-	-	
	Remarks: 7L Purged.																	
SCBH2019_1	1	50	G4	7.50	---	3.00 to 7.00	27/01/2020 11:56:00	1001	1001	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_1	1	50	G4		---	3.00 to 7.00	30 secs	1001	1001	$0.1_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_1	1	50	G4 (2)	7.50	---	3.00 to 7.00	27/01/2020 11:57:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
SCBH2019_1	1	50	G4 (2)		---	3.00 to 7.00	60 secs	-	-	-	-	0.2	0.2	20.9	4.0	0	0	
SCBH2019_1	1	50	G4 (2)		---	3.00 to 7.00	90 secs	-	-	-	-	0.2	0.1	20.9	2.0	0	0	
SCBH2019_1	1	50	G4 (2)		---	3.00 to 7.00	120 secs	-	-	-	-	0.2	0.2	20.8	4.0	0	0	
SCBH2019_1	1	50	G4 (2)		---	3.00 to 7.00	150 secs	-	-	-	-	0.2	0.1	20.9	2.0	0	0	
SCBH2019_1	1	50	G4 (2)		---	3.00 to 7.00	180 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
SCBH2019_1	1	50	G4 (2)		---	3.00 to 7.00	240 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
SCBH2019_1	1	50	G4 (2)		---	3.00 to 7.00	300 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
SCBH2019_1	1	50	G4 (2)		---	3.00 to 7.00	360 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
SCBH2019_1	1	50	G4 (3)	7.50	7.31	3.00 to 7.00	27/01/2020 12:04:00	-	-	-	0.95	-	-	-	-	-	-	
SCBH2019_2	1	50	G1	8.50	---	2.00 to 8.50	07/01/2020 13:10:00	1021	1021	$0.1_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_2	1	50	G1		---	2.00 to 8.50	30 secs	1021	1021	$0.1_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_2	1	50	G1 (2)	8.50	---	2.00 to 8.50	07/01/2020 13:11:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
SCBH2019_2	1	50	G1 (2)		---	2.00 to 8.50	15 secs	-	-	-	-	0.0	0.0	20.8	0.0	0	0	
SCBH2019_2	1	50	G1 (2)		---	2.00 to 8.50	30 secs	-	-	-	-	0.0	0.0	20.8	0.0	0	0	
SCBH2019_2	1	50	G1 (3)	8.50	3.78	2.00 to 8.50	07/01/2020 13:17:00	-	-	-	2.27	-	-	-	-	-	-	
	Remarks: Water reaching analyser.																	

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IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
SCBH2019_2	1	50	G2	8.50	---	2.00 to 8.50	13/01/2020 11:10:00	1022	1022	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_2	1	50	G2		---	2.00 to 8.50	30 secs	1022	1022	$0.0_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_2	1	50	G2 (2)	8.50	---	2.00 to 8.50	13/01/2020 11:11:00	-	-	-	-	0.0	0.0	21.7	0.0	0	0	
SCBH2019_2	1	50	G2 (2)		---	2.00 to 8.50	360 secs	-	-	-	-	0.0	0.0	21.7	0.0	0	0	
SCBH2019_2	1	50	G2 (3)	8.50	3.78	2.00 to 8.50	13/01/2020 11:18:00	-	-	-	0.05	-	-	-	-	-	-	
	Remarks: Water reaching analyser.																	
SCBH2019_2	1	50	G3	8.50	---	2.00 to 8.50	20/01/2020 12:59:00	1047	1047	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_2	1	50	G3		---	2.00 to 8.50	30 secs	1047	1047	$0.0_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_2	1	50	G3 (2)	8.50	---	2.00 to 8.50	20/01/2020 13:00:00	-	-	-	-	0.1	0.0	20.7	0.0	1	0	
SCBH2019_2	1	50	G3 (2)		---	2.00 to 8.50	60 secs	-	-	-	-	0.1	0.0	21.0	0.0	0	0	
SCBH2019_2	1	50	G3 (2)		---	2.00 to 8.50	90 secs	-	-	-	-	0.1	0.0	21.1	0.0	0	0	
SCBH2019_2	1	50	G3 (2)		---	2.00 to 8.50	120 secs	-	-	-	-	1.8	13.0	14.7	>>>	2	0	
SCBH2019_2	1	50	G3 (2)		---	2.00 to 8.50	150 secs	-	-	-	-	1.8	14.8	13.9	>>>	1	0	
SCBH2019_2	1	50	G3 (2)		---	2.00 to 8.50	180 secs	-	-	-	-	1.8	16.0	13.2	>>>	1	0	
SCBH2019_2	1	50	G3 (2)		---	2.00 to 8.50	240 secs	-	-	-	-	1.8	16.0	13.3	>>>	1	0	
SCBH2019_2	1	50	G3 (2)		---	2.00 to 8.50	300 secs	-	-	-	-	1.8	15.8	13.4	>>>	1	0	
SCBH2019_2	1	50	G3 (2)		---	2.00 to 8.50	360 secs	-	-	-	-	1.8	15.8	13.4	>>>	0	0	
SCBH2019_2	1	50	G3 (3)	8.50	3.78	2.00 to 8.50	20/01/2020 13:07:00	-	-	-	0.09	-	-	-	-	-	-	
SCBH2019_2	1	50	G4	8.50	---	2.00 to 8.50	27/01/2020 12:05:00	1001	1001	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_2	1	50	G4		---	2.00 to 8.50	30 secs	1001	1001	$0.2_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_2	1	50	G4 (2)	8.50	---	2.00 to 8.50	27/01/2020 12:06:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
SCBH2019_2	1	50	G4 (2)		---	2.00 to 8.50	15 secs	-	-	-	-	0.0	9.4	20.3	>>>	0	0	
SCBH2019_2	1	50	G4 (2)		---	2.00 to 8.50	30 secs	-	-	-	-	0.0	9.5	19.6	>>>	0	0	
SCBH2019_2	1	50	G4 (2)		---	2.00 to 8.50	60 secs	-	-	-	-	0.0	0.2	21.3	4.0	0	0	
SCBH2019_2	1	50	G4 (2)		---	2.00 to 8.50	90 secs	-	-	-	-	0.0	0.1	21.3	2.0	0	0	

Key: I = Initial, Min = Minimum, P = Peak, SS = Steady State. Note: LEL = Lower Explosive Limit = 5% v/v.

IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
SCBH2019_2	1	50	G4 (2)		---	2.00 to 8.50	120 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
SCBH2019_2	1	50	G4 (2)		---	2.00 to 8.50	180 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
SCBH2019_2	1	50	G4 (2)		---	2.00 to 8.50	240 secs	-	-	-	-	0.0	0.0	21.3	0.0	0	0	
SCBH2019_2	1	50	G4 (2)		---	2.00 to 8.50	300 secs	-	-	-	-	0.0	0.0	21.4	0.0	0	0	
SCBH2019_2	1	50	G4 (3)	8.50	3.78	2.00 to 8.50	27/01/2020 12:16:00	-	-	-	0.17	-	-	-	-	-	-	
SCBH2019_3	1	50	G1	8.50	---	3.00 to 8.50	08/01/2020 09:50:00	1021	1021	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_3	1	50	G1		---	3.00 to 8.50	30 secs	1021	1021	$0.0_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_3	1	50	G1 (2)	8.50	---	3.00 to 8.50	08/01/2020 09:51:00	-	-	-	-	0.1	0.0	20.9	0.0	0	0	
SCBH2019_3	1	50	G1 (3)	8.50	7.92	3.00 to 8.50	08/01/2020 09:52:00	-	-	-	0.02	-	-	-	-	-	-	
	Remarks: Water reaching analyser.																	
SCBH2019_3	1	50	G2	8.50	---	3.00 to 8.50	14/01/2020 10:59:00	1000	1000	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_3	1	50	G2		---	3.00 to 8.50	30 secs	1000	1000	$0.0_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_3	1	50	G2 (2)	8.50	---	3.00 to 8.50	14/01/2020 11:00:00	-	-	-	-	1.5	5.3	20.1	>>>	0	0	
SCBH2019_3	1	50	G2 (2)		---	3.00 to 8.50	60 secs	-	-	-	-	1.5	5.3	20.1	>>>	0	0	
SCBH2019_3	1	50	G2 (3)	8.50	7.92	3.00 to 8.50	14/01/2020 11:02:00	-	-	-	0.02	-	-	-	-	-	-	
	Remarks: Water reaching analyser.																	
SCBH2019_3	1	50	G3	8.50	---	3.00 to 8.50	20/01/2020 13:15:00	1054	1047	$-0.1_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_3	1	50	G3		---	3.00 to 8.50	30 secs	1054	1047	$-0.1_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_3	1	50	G3 (2)	8.50	---	3.00 to 8.50	20/01/2020 13:16:00	-	-	-	-	0.1	0.0	20.7	0.0	1	0	
SCBH2019_3	1	50	G3 (2)		---	3.00 to 8.50	30 secs	-	-	-	-	3.4	26.9	19.6	>>>	4	0	
SCBH2019_3	1	50	G3 (2)		---	3.00 to 8.50	60 secs	-	-	-	-	3.5	27.0	16.2	>>>	2	0	
SCBH2019_3	1	50	G3 (2)		---	3.00 to 8.50	90 secs	-	-	-	-	3.5	26.9	9.8	>>>	1	0	
SCBH2019_3	1	50	G3 (2)		---	3.00 to 8.50	120 secs	-	-	-	-	3.5	26.8	9.8	>>>	1	0	
SCBH2019_3	1	50	G3 (2)		---	3.00 to 8.50	150 secs	-	-	-	-	3.5	26.7	9.8	>>>	1	0	

Key: I = Initial, Min = Minimum, P = Peak, SS = Steady State. Note: LEL = Lower Explosive Limit = 5% v/v.

IN-SITU GAS MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe diameter (mm)	Monitoring Round	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring (elapsed time)	Borehole Pressure (mb)	Atmos Pressure (mb)	Gas Flow (l/hr)	Water Depth (mbgl)	Carbon Dioxide (% / vol)	Methane (% / vol)	Oxygen (% / vol)	LEL (%)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	
SCBH2019_3	1	50	G3 (3)	8.50	7.92	3.00 to 8.50	20/01/2020 13:21:00	-	-	-	0.12	-	-	-	-	-	-	
SCBH2019_3	1	50	G4	8.50	---	3.00 to 8.50	27/01/2020 12:27:00	1001	1001	$0.0_{(I)}$	-	-	-	-	-	-	-	
SCBH2019_3	1	50	G4		---	3.00 to 8.50	30 secs	1001	1001	$0.0_{(SS)}$	-	-	-	-	-	-	-	
SCBH2019_3	1	50	G4 (2)	8.50	---	3.00 to 8.50	27/01/2020 12:28:00	-	-	-	-	0.0	0.0	20.9	0.0	0	0	
SCBH2019_3	1	50	G4 (2)		---	3.00 to 8.50	60 secs	-	-	-	-	0.4	1.8	20.8	36.0	0	0	
SCBH2019_3	1	50	G4 (2)		---	3.00 to 8.50	90 secs	-	-	-	-	0.4	1.8	20.6	36.0	0	0	
SCBH2019_3	1	50	G4 (2)		---	3.00 to 8.50	120 secs	-	-	-	-	0.4	1.5	20.5	30.0	0	0	
SCBH2019_3	1	50	G4 (2)		---	3.00 to 8.50	150 secs	-	-	-	-	0.3	1.1	20.7	22.0	0	0	
SCBH2019_3	1	50	G4 (2)		---	3.00 to 8.50	180 secs	-	-	-	-	0.2	0.6	20.8	12.0	0	0	
SCBH2019_3	1	50	G4 (2)		---	3.00 to 8.50	240 secs	-	-	-	-	0.1	0.2	21.0	4.0	0	0	
SCBH2019_3	1	50	G4 (2)		---	3.00 to 8.50	300 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
SCBH2019_3	1	50	G4 (2)		---	3.00 to 8.50	360 secs	-	-	-	-	0.0	0.0	21.1	0.0	0	0	
SCBH2019_3	1	50	G4 (3)	8.50	7.92	3.00 to 8.50	27/01/2020 12:35:00	-	-	-	0.22	-	-	-	-	-	-	

Key: I = Initial, Min = Minimum, P = Peak, SS = Steady State. Note: LEL = Lower Explosive Limit = 5% v/v.

STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Compiled By	Date	Checked By	Date	Contract Ref:
[redacted]	20/04/20			734318

Contract: **Sizewell C Onshore GI Phase 2 2019**

AGS

IN-SITU WATER MONITORING RESULTS

	Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks
Round 1	-	-	-	-	
Round 2	-	-	-	-	
Round 3	-	-	-	-	
Round 4	-	-	-	-	
Round 5	-	-	-	-	
Round 6	-	-	-	-	

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
BH2009_11 (Beach)	1	NDA	PT1 / 1	NDA	NDA	NDA to NDA	09/03/2020	2.35	
BH2009_11 (Beach)	1	NDA	PT2 / 1	NDA	NDA	NDA to NDA	10/03/2020	2.45	
BH2009_11 (Beach)	1	NDA	PT3 / 1	NDA	NDA	NDA to NDA	11/03/2020	2.38	
BH2009_11 (Beach)	1	NDA	PT4 / 1	NDA	NDA	NDA to NDA	12/03/2020	2.20	
BH2009_11 (Beach)	1	NDA	PT5 / 1	NDA	NDA	NDA to NDA	13/03/2020	2.39	
BH2009_11 (Beach)	1	NDA	PT6 / 1	NDA	NDA	NDA to NDA	14/03/2020	3.08	
BH2009_11 (Beach)	1	NDA	PT7 / 1	NDA	NDA	NDA to NDA	15/03/2020 09:12	3.10	
BH2009_11 (Beach)	1	NDA	PT8 / 1	NDA	NDA	NDA to NDA	16/03/2020 12:02	2.77	
BH2009_11 (Beach)	1	NDA	PT8 / 2	NDA	NDA	NDA to NDA	16/03/2020 17:32	2.56	
BH2009_11 (Beach)	1	NDA	PT9 / 1	NDA	NDA	NDA to NDA	17/03/2020 07:45	2.71	
BH2009_11 (Beach)	1	NDA	PT9 / 2	NDA	NDA	NDA to NDA	17/03/2020 09:30	2.90	
BH2009_11 (Beach)	1	NDA	PT9 / 3	NDA	NDA	NDA to NDA	17/03/2020 10:30	2.95	
BH2009_11 (Beach)	1	NDA	PT9 / 4	NDA	NDA	NDA to NDA	17/03/2020 11:30	2.93	
BH2009_11 (Beach)	1	NDA	PT9 / 5	NDA	NDA	NDA to NDA	17/03/2020 12:30	2.88	
BH2009_11 (Beach)	1	NDA	PT9 / 6	NDA	NDA	NDA to NDA	17/03/2020 13:30	2.81	
BH2009_11 (Beach)	1	NDA	PT9 / 7	NDA	NDA	NDA to NDA	17/03/2020 14:30	2.71	
BH2009_11 (Beach)	1	NDA	PT9 / 8	NDA	NDA	NDA to NDA	17/03/2020 15:30	2.64	
BH2009_11 (Beach)	1	NDA	PT9 / 9	NDA	NDA	NDA to NDA	17/03/2020 16:30	2.62	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

	Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks
Round 7	-	-	-	-	
Round 8	-	-	-	-	
Round 9	-	-	-	-	
Round 10	-	-	-	-	
Round 11	-	-	-	-	
Round 12	-	-	-	-	

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
BH2009_11 (Beach)	1	NDA	PT9 / 10	NDA	NDA	NDA to NDA	17/03/2020 17:30	2.48	
BH2009_11 (Beach)	1	NDA	PT10 / 1	NDA	NDA	NDA to NDA	18/03/2020 07:51	2.42	
BH2009_11 (Beach)	1	NDA	PT10 / 2	NDA	NDA	NDA to NDA	18/03/2020 15:34	2.87	
BH2009_11 (Beach)	1	NDA	PT11 / 1	NDA	NDA	NDA to NDA	19/03/2020 07:55	2.69	
BH2009_11 (Beach)	1	NDA	PT11 / 2	NDA	NDA	NDA to NDA	19/03/2020 14:58	3.13	
BH2009_11 (Beach)	1	NDA	PT12 / 1	NDA	NDA	NDA to NDA	20/03/2020 07:50	2.84	
BH2009_11 (Beach)	1	NDA	PT12 / 2	NDA	NDA	NDA to NDA	20/03/2020 14:27	3.25	
BH2009_11 (Beach)	1	NDA	PT13 / 1	NDA	NDA	NDA to NDA	21/03/2020 08:20	2.94	
BH2009_11 (Beach)	1	NDA	PT13 / 2	NDA	NDA	NDA to NDA	21/03/2020 14:27	3.32	
BH2009_11 (Beach)	1	NDA	PT14 / 1	NDA	NDA	NDA to NDA	22/03/2020 08:12	3.09	
BH2009_11 (Beach)	1	NDA	PT14 / 2	NDA	NDA	NDA to NDA	22/03/2020 14:21	3.28	
BH2009_11 (Beach)	1	NDA	PT15 / 1	NDA	NDA	NDA to NDA	23/03/2020 07:43	3.31	
BH2009_11 (Beach)	1	NDA	PT15 / 2	NDA	NDA	NDA to NDA	23/03/2020 14:21	3.30	
BH2009_11 (Beach)	1	NDA	PT16 / 1	NDA	NDA	NDA to NDA	24/03/2020 07:42	3.28	
BH2009_11 (Beach)	1	NDA	PT16 / 2	NDA	NDA	NDA to NDA	24/03/2020 14:24	3.15	
BH2009_11 (Beach)	1	NDA	PT17 / 1	NDA	NDA	NDA to NDA	25/03/2020 07:32	3.28	
BH2009_11 (Beach)	1	NDA	PT17 / 2	NDA	NDA	NDA to NDA	25/03/2020 14:22	2.94	
BH2009_11 (Beach)	1	NDA	PT18 / 1	NDA	NDA	NDA to NDA	26/03/2020 07:26	3.36	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

	Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks
Round 13	-	-	-	-	
Round 14	-	-	-	-	
Round 15	-	-	-	-	
Round 16	-	-	-	-	
Round 17	Sunny	Wet	None	10	
Round 18	Dry	Wet	Light	8	

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
BH2009_11 (Beach)	1	NDA	PT18 / 2	NDA	NDA	NDA to NDA	26/03/2020 14:20	2.90	
BH2009_11 (Beach)	1	NDA	PT19 / 1	NDA	NDA	NDA to NDA	27/03/2020 07:39	3.38	
BH2009_11 (Beach)	1	NDA	PT19 / 2	NDA	NDA	NDA to NDA	27/03/2020 14:43	2.87	
BH2009_11 (Beach)	1	NDA	PT20 / 1	NDA	NDA	NDA to NDA	28/03/2020 08:05	3.30	
BH2009_11 (Beach)	1	NDA	PT20 / 2	NDA	NDA	NDA to NDA	28/03/2020 14:28	2.73	
BH2009_11 (Beach)	1	NDA	PT21 / 1	NDA	NDA	NDA to NDA	29/03/2020 13:28	2.66	General Remarks: Clocks changed - Diver time 1 hour offset to dip time.
BH2009_11 (Beach)	1	NDA	PT22 / 1	NDA	NDA	NDA to NDA	30/03/2020 08:38	3.40	
BH2009_11 (Beach)	1	NDA	PT22 / 2	NDA	NDA	NDA to NDA	30/03/2020 14:37	2.77	
BH2009_11 (Beach)	1	NDA	PT23 / 1	NDA	NDA	NDA to NDA	31/03/2020 08:01	3.28	
BH2009_11 (Beach)	1	NDA	PT23 / 2	NDA	NDA	NDA to NDA	31/03/2020 12:15	3.22	
BH2009_11 (Beach)	1	NDA	PT24 / 1	NDA	NDA	NDA to NDA	01/04/2020 08:20	2.87	
BH2009_11 (Beach)	1	NDA	PT25 / 1	NDA	NDA	NDA to NDA	02/04/2020 09:57	2.77	
BH2009_11 (Beach)	1	NDA	PT26 / 1	NDA	NDA	NDA to NDA	03/04/2020 11:11	2.73	
BH2009_11 (Beach)	1	NDA	PT27 / 1	NDA	NDA	NDA to NDA	06/04/2020 07:30	2.81	
BH2009_11 (Beach)	1	NDA	PT28 / 1	NDA	NDA	NDA to NDA	15/04/2020 09:39	2.74	
DBH2009_20 (ABS BH)	1	100	PT0 / 1	48.00	39.87	NDA to NDA	12/02/2020 10:15	0.66	General Remarks: Sample 1 & 2
DBH2009_20 (ABS BH)	1	100	PT1 / 1	48.00	39.87	NDA to NDA	09/03/2020	0.71	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

	Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks
Round PT0	Sunny	Damp	Medium	7	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT1	Overcast	Wet	Light	8	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT10	Overcast	Dry	Medium	10	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT11	Overcast	Damp	Light	7	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT12	Overcast	Dry	Medium	7	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT13	Sunny	Dry	Medium	5	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DBH2009_20 (ABS BH)	1	100	PT2 / 1	48.00	39.87	NDA to NDA	10/03/2020	0.80	
DBH2009_20 (ABS BH)	1	100	PT3 / 1	48.00	39.87	NDA to NDA	11/03/2020	0.83	
DBH2009_20 (ABS BH)	1	100	PT10 / 1	48.00	39.87	NDA to NDA	18/03/2020 11:20	---	General Remarks: Sample 3
DBH2009_20 (ABS BH)	1	100	PT10 / 2	48.00	39.87	NDA to NDA	18/03/2020 11:30	---	General Remarks: Headworks Sample 8
DBH2009_20 (ABS BH)	1	100	PT10 / 3	48.00	39.87	NDA to NDA	18/03/2020 11:55	---	General Remarks: Settlement Tank Sample 9
DBH2009_20 (ABS BH)	1	100	PT10 / 4	48.00	39.87	NDA to NDA	18/03/2020 13:57	---	General Remarks: Sample 4
DBH2009_20 (ABS BH)	1	100	PT10 / 5	48.00	39.87	NDA to NDA	18/03/2020 14:25	---	General Remarks: Sample 5
DBH2009_20 (ABS BH)	1	100	PT10 / 6	48.00	39.87	NDA to NDA	18/03/2020 15:40	---	General Remarks: Sample 6
DBH2009_20 (ABS BH)	1	100	PT10 / 7	48.00	39.87	NDA to NDA	18/03/2020 17:10	---	General Remarks: Sample 7
DBH2009_20 (ABS BH)	1	100	PT11 / 1	48.00	39.87	NDA to NDA	19/03/2020 09:19	---	General Remarks: Sample 10
DBH2009_20 (ABS BH)	1	100	PT11 / 2	48.00	39.87	NDA to NDA	19/03/2020 14:31	---	General Remarks: Sample 11
DBH2009_20 (ABS BH)	1	100	PT12 / 1	48.00	39.87	NDA to NDA	20/03/2020 08:53	---	General Remarks: Sample 12
DBH2009_20 (ABS BH)	1	100	PT12 / 2	48.00	39.87	NDA to NDA	20/03/2020 15:00	---	General Remarks: Sample 13
DBH2009_20 (ABS BH)	1	100	PT13 / 1	48.00	39.87	NDA to NDA	21/03/2020 09:30	---	General Remarks: Sample 14
DBH2009_20 (ABS BH)	1	100	PT13 / 2	48.00	39.87	NDA to NDA	21/03/2020 14:55	---	General Remarks: Sample 15
DBH2009_20 (ABS BH)	1	100	PT14 / 1	48.00	39.87	NDA to NDA	22/03/2020 09:25	---	General Remarks: Sample 16
DBH2009_20 (ABS BH)	1	100	PT14 / 2	48.00	39.87	NDA to NDA	22/03/2020 14:47	---	General Remarks: Sample 17
DBH2009_20 (ABS BH)	1	100	PT15 / 1	48.00	39.87	NDA to NDA	23/03/2020 08:26	---	General Remarks: Sample 18

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

	Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks
Round PT14	Sunny	Dry	Light	5	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT15	Sunny	Dry	Light	4	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT16	Sunny	Dry	Light	11	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT17	Sunny	Dry	Light	7	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT18	Sunny	Dry	Medium	5	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT19	Sunny	Damp	Medium	7	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DBH2009_20 (ABS BH)	1	100	PT15 / 2	48.00	39.87	NDA to NDA	23/03/2020 14:47	---	General Remarks: Sample 19
DBH2009_20 (ABS BH)	1	100	PT16 / 1	48.00	39.87	NDA to NDA	24/03/2020 08:23	---	General Remarks: Sample 20
DBH2009_20 (ABS BH)	1	100	PT16 / 2	48.00	39.87	NDA to NDA	24/03/2020 14:49	---	General Remarks: Sample 21
DBH2009_20 (ABS BH)	1	100	PT17 / 1	48.00	39.87	NDA to NDA	25/03/2020 08:15	---	General Remarks: Sample 22
DBH2009_20 (ABS BH)	1	100	PT17 / 3	48.00	39.87	NDA to NDA	25/03/2020 08:20	---	General Remarks: Headworks Sample 24
DBH2009_20 (ABS BH)	1	100	PT17 / 4	48.00	39.87	NDA to NDA	25/03/2020 08:45	---	General Remarks: Settlement Tank Sample 25
DBH2009_20 (ABS BH)	1	100	PT17 / 2	48.00	39.87	NDA to NDA	25/03/2020 14:50	---	General Remarks: Sample 23
DBH2009_20 (ABS BH)	1	100	PT18 / 1	48.00	39.87	NDA to NDA	26/03/2020 08:30	---	General Remarks: Sample 26
DBH2009_20 (ABS BH)	1	100	PT18 / 2	48.00	39.87	NDA to NDA	26/03/2020 15:43	---	General Remarks: Sample 27
DBH2009_20 (ABS BH)	1	100	PT19 / 1	48.00	39.87	NDA to NDA	27/03/2020 08:59	---	General Remarks: Sample 28
DBH2009_20 (ABS BH)	1	100	PT19 / 2	48.00	39.87	NDA to NDA	27/03/2020 15:31	---	General Remarks: Sample 29
DBH2009_20 (ABS BH)	1	100	PT20 / 1	48.00	39.87	NDA to NDA	28/03/2020 09:26	---	General Remarks: Sample 30
DBH2009_20 (ABS BH)	1	100	PT20 / 2	48.00	39.87	NDA to NDA	28/03/2020 15:29	---	General Remarks: Sample 31
DBH2009_20 (ABS BH)	1	100	PT21 / 1	48.00	39.87	NDA to NDA	29/03/2020 14:52	---	General Remarks: Sample 32
DBH2009_20 (ABS BH)	1	100	PT22 / 1	48.00	39.87	NDA to NDA	30/03/2020 10:28	---	General Remarks: Sample 33
DBH2009_20 (ABS BH)	1	100	PT22 / 2	48.00	39.87	NDA to NDA	30/03/2020 15:46	---	General Remarks: Sample 34
DBH2009_20 (ABS BH)	1	100	PT23 / 1	48.00	39.87	NDA to NDA	31/03/2020 09:19	---	General Remarks: Sample 35
DBH2009_20 (ABS BH)	1	100	PT23 / 2	48.00	39.87	NDA to NDA	31/03/2020 13:26	---	General Remarks: Sample 36

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

	Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks
Round PT2	Overcast	Damp	Medium	8	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT20	Overcast / Sunny	Damp	Medium	8	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT21	Overcast / Hail / Sunny	Damp	Strong	5	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT22	Overcast / Sunny	Damp	Light	4	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT23	Sunny / Overcast	Damp	Medium	7	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT24	Overcast / Sunny	Damp	Light	3	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DBH2009_20 (ABS BH)	1	100	PT23 / 3	48.00	39.87	NDA to NDA	31/03/2020 13:58	---	General Remarks: Headworks Sample 38
DBH2009_20 (ABS BH)	1	100	PT23 / 4	48.00	39.87	NDA to NDA	31/03/2020 14:13	---	General Remarks: Settlement Tank Sample 39
DBH2009_20 (ABS BH)	1	100	PT27 / 1	48.00	39.87	NDA to NDA	06/04/2020 08:56	0.96	
DBH2009_20 (ABS BH)	1	100	PT28 / 1	48.00	39.87	NDA to NDA	15/04/2020 09:52	0.77	General Remarks: Diver string shortened by 2m.
DBH2009_7 (PZ7)	1	NDA	PT1 / 1	NDA	11.00	NDA to NDA	09/03/2020	0.95	
DBH2009_7 (PZ7)	1	NDA	PT2 / 1	NDA	11.00	NDA to NDA	10/03/2020	0.97	
DBH2009_7 (PZ7)	1	NDA	PT3 / 1	NDA	11.00	NDA to NDA	11/03/2020	0.92	
DBH2009_7 (PZ7)	1	NDA	PT4 / 1	NDA	11.00	NDA to NDA	12/03/2020	0.87	
DBH2009_7 (PZ7)	1	NDA	PT5 / 1	NDA	11.00	NDA to NDA	13/03/2020	1.00	
DBH2009_7 (PZ7)	1	NDA	PT6 / 1	NDA	11.00	NDA to NDA	14/03/2020	1.04	
DBH2009_7 (PZ7)	1	NDA	PT7 / 1	NDA	11.00	NDA to NDA	15/03/2020 10:18	1.09	
DBH2009_7 (PZ7)	1	NDA	PT8 / 1	NDA	11.00	NDA to NDA	16/03/2020 11:35	1.06	
DBH2009_7 (PZ7)	1	NDA	PT8 / 2	NDA	11.00	NDA to NDA	16/03/2020 17:15	1.06	
DBH2009_7 (PZ7)	1	NDA	PT9 / 1	NDA	11.00	NDA to NDA	17/03/2020 08:04	1.04	
DBH2009_7 (PZ7)	1	NDA	PT9 / 2	NDA	11.00	NDA to NDA	17/03/2020 09:33	1.03	
DBH2009_7 (PZ7)	1	NDA	PT9 / 3	NDA	11.00	NDA to NDA	17/03/2020 10:34	1.06	
DBH2009_7 (PZ7)	1	NDA	PT9 / 4	NDA	11.00	NDA to NDA	17/03/2020 11:34	1.15	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

	Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks
Round PT25	Overcast	Dry	Light	4	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT26	Overcase	Dry	Light	7	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT27	Overcast / Sunny	Damp	Light	7	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT28	Sunny	Dry	Light	8	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT3	Sunny	Dry	Light	10	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT4	Sunny	Dry	Medium	8	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DBH2009_7 (PZ7)	1	NDA	PT9 / 5	NDA	11.00	NDA to NDA	17/03/2020 12:34	1.15	
DBH2009_7 (PZ7)	1	NDA	PT9 / 6	NDA	11.00	NDA to NDA	17/03/2020 13:34	1.16	
DBH2009_7 (PZ7)	1	NDA	PT9 / 7	NDA	11.00	NDA to NDA	17/03/2020 14:34	1.15	
DBH2009_7 (PZ7)	1	NDA	PT9 / 8	NDA	11.00	NDA to NDA	17/03/2020 15:33	1.23	
DBH2009_7 (PZ7)	1	NDA	PT9 / 9	NDA	11.00	NDA to NDA	17/03/2020 16:33	1.24	
DBH2009_7 (PZ7)	1	NDA	PT9 / 10	NDA	11.00	NDA to NDA	17/03/2020 17:33	1.15	
DBH2009_7 (PZ7)	1	NDA	PT10 / 1	NDA	11.00	NDA to NDA	18/03/2020 08:43	1.01	
DBH2009_7 (PZ7)	1	NDA	PT10 / 2	NDA	11.00	NDA to NDA	18/03/2020 15:10	1.30	
DBH2009_7 (PZ7)	1	NDA	PT11 / 1	NDA	11.00	NDA to NDA	19/03/2020 08:41	1.31	
DBH2009_7 (PZ7)	1	NDA	PT11 / 2	NDA	11.00	NDA to NDA	19/03/2020 14:42	1.38	
DBH2009_7 (PZ7)	1	NDA	PT12 / 1	NDA	11.00	NDA to NDA	20/03/2020 08:35	1.36	
DBH2009_7 (PZ7)	1	NDA	PT12 / 2	NDA	11.00	NDA to NDA	20/03/2020 14:46	1.41	
DBH2009_7 (PZ7)	1	NDA	PT13 / 1	NDA	11.00	NDA to NDA	21/03/2020 09:12	1.40	
DBH2009_7 (PZ7)	1	NDA	PT13 / 2	NDA	11.00	NDA to NDA	21/03/2020 14:43	1.44	
DBH2009_7 (PZ7)	1	NDA	PT14 / 1	NDA	11.00	NDA to NDA	22/03/2020 09:04	1.44	
DBH2009_7 (PZ7)	1	NDA	PT14 / 2	NDA	11.00	NDA to NDA	22/03/2020 14:39	1.46	
DBH2009_7 (PZ7)	1	NDA	PT15 / 1	NDA	11.00	NDA to NDA	23/03/2020 08:10	1.49	
DBH2009_7 (PZ7)	1	NDA	PT15 / 2	NDA	11.00	NDA to NDA	23/03/2020 14:37	1.47	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

	Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks
Round PT5	Overcast / Drizzle	Damp	Medium	8	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT6	Overcast / Showers	Damp	Strong	8	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT7	Overcast / Drizzle	Dry	Strong	10	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT8	Overcast / Sunny	Dry	Medium	9	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe
Round PT9	Sunny	Dry	Light	8	Aquaprobe SN 121490110 + Dipmeter 50m + Tracerco NORM IS Monitor + GM Probe

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DBH2009_7 (PZ7)	1	NDA	PT16 / 1	NDA	11.00	NDA to NDA	24/03/2020 08:13	1.50	
DBH2009_7 (PZ7)	1	NDA	PT16 / 2	NDA	11.00	NDA to NDA	24/03/2020 14:38	1.46	
DBH2009_7 (PZ7)	1	NDA	PT17 / 1	NDA	11.00	NDA to NDA	25/03/2020 08:09	1.51	
DBH2009_7 (PZ7)	1	NDA	PT17 / 2	NDA	11.00	NDA to NDA	25/03/2020 14:39	1.43	
DBH2009_7 (PZ7)	1	NDA	PT18 / 1	NDA	11.00	NDA to NDA	26/03/2020 08:08	1.52	
DBH2009_7 (PZ7)	1	NDA	PT18 / 2	NDA	11.00	NDA to NDA	26/03/2020 15:21	1.46	
DBH2009_7 (PZ7)	1	NDA	PT19 / 1	NDA	11.00	NDA to NDA	27/03/2020 08:27	1.53	
DBH2009_7 (PZ7)	1	NDA	PT19 / 2	NDA	11.00	NDA to NDA	27/03/2020 15:11	1.45	
DBH2009_7 (PZ7)	1	NDA	PT20 / 1	NDA	11.00	NDA to NDA	28/03/2020 08:46	1.52	
DBH2009_7 (PZ7)	1	NDA	PT20 / 2	NDA	11.00	NDA to NDA	28/03/2020 14:56	1.43	
DBH2009_7 (PZ7)	1	NDA	PT21 / 1	NDA	11.00	NDA to NDA	29/03/2020 14:09	1.38	General Remarks: Clocks changed - Diver time 1 hour offset to dip time.
DBH2009_7 (PZ7)	1	NDA	PT22 / 1	NDA	11.00	NDA to NDA	30/03/2020 09:51	1.52	
DBH2009_7 (PZ7)	1	NDA	PT22 / 2	NDA	11.00	NDA to NDA	30/03/2020 15:14	1.44	
DBH2009_7 (PZ7)	1	NDA	PT23 / 1	NDA	11.00	NDA to NDA	31/03/2020 08:49	1.52	
DBH2009_7 (PZ7)	1	NDA	PT23 / 2	NDA	11.00	NDA to NDA	31/03/2020 12:34	1.52	
DBH2009_7 (PZ7)	1	NDA	PT24 / 1	NDA	11.00	NDA to NDA	01/04/2020 09:57	1.22	
DBH2009_7 (PZ7)	1	NDA	PT25 / 1	NDA	11.00	NDA to NDA	02/04/2020 08:23	1.13	
DBH2009_7 (PZ7)	1	NDA	PT26 / 1	NDA	11.00	NDA to NDA	03/04/2020 12:07	1.15	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DBH2009_7 (PZ7)	1	NDA	PT27 / 1	NDA	11.00	NDA to NDA	06/04/2020 08:28	1.17	
DBH2009_7 (PZ7)	1	NDA	PT28 / 1	NDA	11.00	NDA to NDA	15/04/2020 10:29	1.15	
DCBH2019_2	1	50	4 / 1	7.50	7.65	5.50 to 7.50	13/09/2019	1.26	
DCBH2019_2	1	50	5 / 1	7.50	7.67	5.50 to 7.50	17/09/2019	1.28	
DCBH2019_2	1	50	6 / 1	7.50	7.67	5.50 to 7.50	27/09/2019	1.26	
DCBH2019_2	1	50	7 / 1	7.50	6.70	5.50 to 7.50	10/10/2019	1.04	
DCBH2019_2	1	50	8 / 1	7.50	6.70	5.50 to 7.50	17/10/2019	0.94	
DCBH2019_2	1	50	9 / 1	7.50	6.70	5.50 to 7.50	24/10/2019	0.91	
DCBH2019_2	1	50	10 / 1	7.50	6.71	5.50 to 7.50	31/10/2019	0.91	
DCBH2019_2	1	50	11 / 1	7.50	6.54	5.50 to 7.50	08/11/2019	1.03	
DCBH2019_2	1	50	12 / 1	7.50	6.54	5.50 to 7.50	21/11/2019	1.03	
DCBH2019_2	1	50	13 / 1	7.50	6.60	5.50 to 7.50	28/11/2019	0.98	
DCBH2019_2	1	50	14 / 1	7.50	6.64	5.50 to 7.50	05/12/2019	0.98	
DCBH2019_2	1	50	15 / 1	7.50	6.64	5.50 to 7.50	12/12/2019	0.96	
DCBH2019_2	1	50	16 / 1	7.50	6.64	5.50 to 7.50	19/12/2019	0.98	
DCBH2019_3	1	50	9 / 1	8.00	7.45	6.50 to 8.00	24/10/2019	1.10	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DCBH2019_3	1	50	10 / 1	8.00	7.45	6.50 to 8.00	31/10/2019	1.10	
DCBH2019_3	1	50	11 / 1	8.00	7.32	6.50 to 8.00	08/11/2019	1.07	
DCBH2019_3	1	50	12 / 1	8.00	7.32	6.50 to 8.00	21/11/2019	1.30	
DCBH2019_3	1	50	13 / 1	8.00	7.36	6.50 to 8.00	28/11/2019	1.16	
DCBH2019_3	1	50	14 / 1	8.00	7.37	6.50 to 8.00	05/12/2019	1.17	
DCBH2019_3	1	50	15 / 1	8.00	7.37	6.50 to 8.00	12/12/2019	1.13	
DCBH2019_3	1	50	16 / 1	8.00	7.37	6.50 to 8.00	19/12/2019	1.17	
DCBH2019_4	1	50	5 / 1	12.50	12.57	4.00 to 12.50	17/09/2019	1.35	
DCBH2019_4	1	50	6 / 1	12.50	12.54	4.00 to 12.50	27/09/2019	1.29	
DCBH2019_4	1	50	7 / 1	12.50	12.38	4.00 to 12.50	10/10/2019	1.06	
DCBH2019_4	1	50	8 / 1	12.50	12.38	4.00 to 12.50	17/10/2019	1.00	
DCBH2019_4	1	50	9 / 1	12.50	12.38	4.00 to 12.50	24/10/2019	1.00	
DCBH2019_4	1	50	10 / 1	12.50	12.39	4.00 to 12.50	31/10/2019	1.00	
DCBH2019_4	1	50	11 / 1	12.50	12.36	4.00 to 12.50	08/11/2019	1.06	
DCBH2019_4	1	50	12 / 1	12.50	12.36	4.00 to 12.50	21/11/2019	1.23	
DCBH2019_4	1	50	13 / 1	12.50	12.44	4.00 to 12.50	28/11/2019	1.16	
DCBH2019_4	1	50	14 / 1	12.50	12.44	4.00 to 12.50	05/12/2019	1.15	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DCBH2019_4	1	50	15 / 1	12.50	12.44	4.00 to 12.50	12/12/2019	1.14	
DCBH2019_4	1	50	16 / 1	12.50	12.44	4.00 to 12.50	19/12/2019	1.15	
DCBH2019_5	1	50	1 / 1	10.00	9.85	4.20 to 10.00	20/08/2019	1.00	
DCBH2019_5	1	50	2 / 1	10.00	9.94	4.20 to 10.00	31/08/2019	1.10	
DCBH2019_5	1	50	3 / 1	10.00	9.94	4.20 to 10.00	05/09/2019	1.05	
DCBH2019_5	1	50	4 / 1	10.00	9.94	4.20 to 10.00	13/09/2019	1.09	
DCBH2019_5	1	50	5 / 1	10.00	9.93	4.20 to 10.00	17/09/2019	1.15	
DCBH2019_5	1	50	6 / 1	10.00	9.92	4.20 to 10.00	27/09/2019	1.12	
DCBH2019_5	1	50	7 / 1	10.00	9.93	4.20 to 10.00	10/10/2019	0.88	
DCBH2019_5	1	50	8 / 1	10.00	9.93	4.20 to 10.00	17/10/2019	0.83	
DCBH2019_5	1	50	9 / 1	10.00	9.93	4.20 to 10.00	24/10/2019	0.96	
DCBH2019_5	1	50	10 / 1	10.00	9.93	4.20 to 10.00	31/10/2019	0.96	
DCBH2019_5	1	50	11 / 1	10.00	9.92	4.20 to 10.00	08/11/2019	0.83	
DCBH2019_5	1	50	12 / 1	10.00	9.92	4.20 to 10.00	21/11/2019	0.92	
DCBH2019_5	1	50	13 / 1	10.00	9.93	4.20 to 10.00	28/11/2019	0.97	
DCBH2019_5	1	50	14 / 1	10.00	9.93	4.20 to 10.00	05/12/2019	0.98	
DCBH2019_5	1	50	15 / 1	10.00	9.93	4.20 to 10.00	12/12/2019	0.96	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
DCBH2019_5	1	50	16 / 1	10.00	9.93	4.20 to 10.00	19/12/2019	0.98	
DCBH2019_6	1	50	7 / 1	12.50	14.45	7.50 to 12.50	10/10/2019	2.49	
DCBH2019_6	1	50	8 / 1	12.50	14.45	7.50 to 12.50	17/10/2019	2.29	
DCBH2019_6	1	50	9 / 1	12.50	14.45	7.50 to 12.50	24/10/2019	2.44	
DCBH2019_6	1	50	10 / 1	12.50	14.46	7.50 to 12.50	31/10/2019	2.43	
DCBH2019_6	1	50	11 / 1	12.50	12.32	7.50 to 12.50	08/11/2019	2.42	
DCBH2019_6	1	50	12 / 1	12.50	12.32	7.50 to 12.50	21/11/2019	2.50	
DCBH2019_6	1	50	13 / 1	12.50	12.42	7.50 to 12.50	28/11/2019	2.54	
DCBH2019_6	1	50	14 / 1	12.50	12.44	7.50 to 12.50	05/12/2019	2.54	
DCBH2019_6	1	50	15 / 1	12.50	12.44	7.50 to 12.50	12/12/2019	2.49	
DCBH2019_6	1	50	16 / 1	12.50	12.44	7.50 to 12.50	19/12/2019	2.54	
GW6S	1	NDA	PT1 / 1	NDA	NDA	NDA to NDA	09/03/2020	0.01	
GW6S	1	NDA	PT2 / 1	NDA	NDA	NDA to NDA	10/03/2020	-0.02	
GW6S	1	NDA	PT3 / 1	NDA	NDA	NDA to NDA	11/03/2020	0.01	
GW6S	1	NDA	PT4 / 1	NDA	NDA	NDA to NDA	12/03/2020	0.02	
GW6S	1	NDA	PT5 / 1	NDA	NDA	NDA to NDA	13/03/2020	0.04	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
GW6S	1	NDA	PT6 / 1	NDA	NDA	NDA to NDA	14/03/2020	0.04	
GW6S	1	NDA	PT7 / 1	NDA	NDA	NDA to NDA	15/03/2020 09:36	0.06	
GW6S	1	NDA	PT8 / 1	NDA	NDA	NDA to NDA	16/03/2020 11:26	0.07	
GW6S	1	NDA	PT8 / 2	NDA	NDA	NDA to NDA	16/03/2020 16:58	0.06	
GW6S	1	NDA	PT9 / 1	NDA	NDA	NDA to NDA	17/03/2020 08:26	0.08	
GW6S	1	NDA	PT9 / 2	NDA	NDA	NDA to NDA	17/03/2020 09:40	0.08	
GW6S	1	NDA	PT9 / 3	NDA	NDA	NDA to NDA	17/03/2020 10:39	0.08	
GW6S	1	NDA	PT9 / 4	NDA	NDA	NDA to NDA	17/03/2020 11:40	0.08	
GW6S	1	NDA	PT9 / 5	NDA	NDA	NDA to NDA	17/03/2020 12:41	0.08	
GW6S	1	NDA	PT9 / 6	NDA	NDA	NDA to NDA	17/03/2020 13:40	0.08	
GW6S	1	NDA	PT9 / 7	NDA	NDA	NDA to NDA	17/03/2020 14:41	0.09	
GW6S	1	NDA	PT9 / 8	NDA	NDA	NDA to NDA	17/03/2020 15:39	0.08	
GW6S	1	NDA	PT9 / 9	NDA	NDA	NDA to NDA	17/03/2020 16:39	0.08	
GW6S	1	NDA	PT9 / 10	NDA	NDA	NDA to NDA	17/03/2020 17:38	0.08	
GW6S	1	NDA	PT10 / 1	NDA	NDA	NDA to NDA	18/03/2020 08:15	0.08	
GW6S	1	NDA	PT10 / 2	NDA	NDA	NDA to NDA	18/03/2020 15:19	0.09	
GW6S	1	NDA	PT11 / 1	NDA	NDA	NDA to NDA	19/03/2020 08:15	0.10	
GW6S	1	NDA	PT11 / 2	NDA	NDA	NDA to NDA	19/03/2020 14:51	0.10	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
GW6S	1	NDA	PT12 / 1	NDA	NDA	NDA to NDA	20/03/2020 08:11	0.11	
GW6S	1	NDA	PT12 / 2	NDA	NDA	NDA to NDA	20/03/2020 14:39	0.10	
GW6S	1	NDA	PT13 / 1	NDA	NDA	NDA to NDA	21/03/2020 08:42	0.11	
GW6S	1	NDA	PT13 / 2	NDA	NDA	NDA to NDA	21/03/2020 14:39	0.11	
GW6S	1	NDA	PT14 / 1	NDA	NDA	NDA to NDA	22/03/2020 08:45	0.13	
GW6S	1	NDA	PT14 / 2	NDA	NDA	NDA to NDA	22/03/2020 14:34	0.13	
GW6S	1	NDA	PT15 / 1	NDA	NDA	NDA to NDA	23/03/2020 08:00	0.13	
GW6S	1	NDA	PT15 / 2	NDA	NDA	NDA to NDA	23/03/2020 14:32	0.13	
GW6S	1	NDA	PT16 / 1	NDA	NDA	NDA to NDA	24/03/2020 08:06	0.15	
GW6S	1	NDA	PT16 / 2	NDA	NDA	NDA to NDA	24/03/2020 14:33	0.15	
GW6S	1	NDA	PT17 / 1	NDA	NDA	NDA to NDA	25/03/2020 07:56	0.16	
GW6S	1	NDA	PT17 / 2	NDA	NDA	NDA to NDA	25/03/2020 14:32	0.15	
GW6S	1	NDA	PT18 / 1	NDA	NDA	NDA to NDA	26/03/2020 07:44	0.16	
GW6S	1	NDA	PT18 / 2	NDA	NDA	NDA to NDA	26/03/2020 15:08	0.17	
GW6S	1	NDA	PT19 / 1	NDA	NDA	NDA to NDA	27/03/2020 08:06	0.17	
GW6S	1	NDA	PT19 / 2	NDA	NDA	NDA to NDA	27/03/2020 14:57	0.17	
GW6S	1	NDA	PT20 / 1	NDA	NDA	NDA to NDA	28/03/2020 08:46	0.18	
GW6S	1	NDA	PT20 / 2	NDA	NDA	NDA to NDA	28/03/2020 14:47	0.18	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
GW6S	1	NDA	PT21 / 1	NDA	NDA	NDA to NDA	29/03/2020 13:51	0.18	General Remarks: Clocks changed - Diver time 1 hour offset to dip time.
GW6S	1	NDA	PT22 / 1	NDA	NDA	NDA to NDA	30/03/2020 09:15	0.18	
GW6S	1	NDA	PT22 / 2	NDA	NDA	NDA to NDA	30/03/2020 15:06	0.18	
GW6S	1	NDA	PT23 / 1	NDA	NDA	NDA to NDA	31/03/2020 08:28	0.19	
GW6S	1	NDA	PT24 / 1	NDA	NDA	NDA to NDA	01/04/2020 09:29	0.18	
GW6S	1	NDA	PT25 / 1	NDA	NDA	NDA to NDA	02/04/2020 08:36	0.19	
GW6S	1	NDA	PT26 / 1	NDA	NDA	NDA to NDA	03/04/2020 11:38	0.19	
GW6S	1	NDA	PT27 / 1	NDA	NDA	NDA to NDA	06/04/2020 07:54	0.20	
GW6S	1	NDA	PT28 / 1	NDA	NDA	NDA to NDA	15/04/2020 10:04	0.21	
GW24S	1	NDA	PT1 / 1	NDA	NDA	NDA to NDA	09/03/2020	0.25	
GW24S	1	NDA	PT2 / 1	NDA	NDA	NDA to NDA	10/03/2020	0.21	
GW24S	1	NDA	PT3 / 1	NDA	NDA	NDA to NDA	11/03/2020	0.26	
GW24S	1	NDA	PT4 / 1	NDA	NDA	NDA to NDA	12/03/2020	0.27	
GW24S	1	NDA	PT5 / 1	NDA	NDA	NDA to NDA	13/03/2020	0.30	
GW24S	1	NDA	PT6 / 1	NDA	NDA	NDA to NDA	14/03/2020	0.30	
GW24S	1	NDA	PT7 / 1	NDA	NDA	NDA to NDA	15/03/2020 09:51	0.31	
GW24S	1	NDA	PT8 / 1	NDA	NDA	NDA to NDA	16/03/2020 11:39	0.33	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
GW24S	1	NDA	PT8 / 2	NDA	NDA	NDA to NDA	16/03/2020 17:02	0.33	
GW24S	1	NDA	PT9 / 1	NDA	NDA	NDA to NDA	17/03/2020 08:08	0.36	
GW24S	1	NDA	PT9 / 2	NDA	NDA	NDA to NDA	17/03/2020 09:41	0.29	
GW24S	1	NDA	PT9 / 3	NDA	NDA	NDA to NDA	17/03/2020 10:40	0.30	
GW24S	1	NDA	PT9 / 4	NDA	NDA	NDA to NDA	17/03/2020 11:40	0.30	
GW24S	1	NDA	PT9 / 5	NDA	NDA	NDA to NDA	17/03/2020 12:41	0.30	
GW24S	1	NDA	PT9 / 6	NDA	NDA	NDA to NDA	17/03/2020 13:40	0.30	
GW24S	1	NDA	PT9 / 7	NDA	NDA	NDA to NDA	17/03/2020 14:39	0.30	
GW24S	1	NDA	PT9 / 8	NDA	NDA	NDA to NDA	17/03/2020 15:39	0.35	
GW24S	1	NDA	PT9 / 9	NDA	NDA	NDA to NDA	17/03/2020 16:39	0.35	
GW24S	1	NDA	PT9 / 10	NDA	NDA	NDA to NDA	17/03/2020 17:39	0.35	
GW24S	1	NDA	PT10 / 1	NDA	NDA	NDA to NDA	18/03/2020 08:37	0.36	
GW24S	1	NDA	PT10 / 2	NDA	NDA	NDA to NDA	18/03/2020 15:16	0.36	
GW24S	1	NDA	PT11 / 1	NDA	NDA	NDA to NDA	19/03/2020 08:36	0.38	
GW24S	1	NDA	PT11 / 2	NDA	NDA	NDA to NDA	19/03/2020 14:48	0.38	
GW24S	1	NDA	PT12 / 1	NDA	NDA	NDA to NDA	20/03/2020 08:31	0.40	
GW24S	1	NDA	PT12 / 2	NDA	NDA	NDA to NDA	20/03/2020 14:43	0.40	
GW24S	1	NDA	PT13 / 1	NDA	NDA	NDA to NDA	21/03/2020 09:07	0.43	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
GW24S	1	NDA	PT13 / 2	NDA	NDA	NDA to NDA	21/03/2020 14:41	0.43	
GW24S	1	NDA	PT14 / 1	NDA	NDA	NDA to NDA	22/03/2020 08:59	0.46	
GW24S	1	NDA	PT14 / 2	NDA	NDA	NDA to NDA	22/03/2020 14:37	0.46	
GW24S	1	NDA	PT15 / 1	NDA	NDA	NDA to NDA	23/03/2020 08:05	0.46	
GW24S	1	NDA	PT15 / 2	NDA	NDA	NDA to NDA	23/03/2020 14:35	0.47	
GW24S	1	NDA	PT16 / 1	NDA	NDA	NDA to NDA	24/03/2020 08:10	0.48	
GW24S	1	NDA	PT16 / 2	NDA	NDA	NDA to NDA	24/03/2020 14:36	0.48	
GW24S	1	NDA	PT17 / 1	NDA	NDA	NDA to NDA	25/03/2020 08:00	0.49	
GW24S	1	NDA	PT17 / 2	NDA	NDA	NDA to NDA	25/03/2020 14:34	0.49	
GW24S	1	NDA	PT18 / 1	NDA	NDA	NDA to NDA	26/03/2020 08:04	0.49	
GW24S	1	NDA	PT18 / 2	NDA	NDA	NDA to NDA	26/03/2020 15:15	0.51	
GW24S	1	NDA	PT19 / 1	NDA	NDA	NDA to NDA	27/03/2020 08:14	0.51	
GW24S	1	NDA	PT19 / 2	NDA	NDA	NDA to NDA	27/03/2020 15:06	0.51	
GW24S	1	NDA	PT20 / 1	NDA	NDA	NDA to NDA	28/03/2020 08:37	0.54	
GW24S	1	NDA	PT20 / 2	NDA	NDA	NDA to NDA	28/03/2020 14:52	0.54	
GW24S	1	NDA	PT21 / 1	NDA	NDA	NDA to NDA	29/03/2020 13:58	0.55	General Remarks: Clocks changed - Diver time 1 hour offset to dip time.
GW24S	1	NDA	PT22 / 1	NDA	NDA	NDA to NDA	30/03/2020 09:38	0.53	
GW24S	1	NDA	PT22 / 2	NDA	NDA	NDA to NDA	30/03/2020 15:10	0.53	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
GW24S	1	NDA	PT23 / 1	NDA	NDA	NDA to NDA	31/03/2020 08:36	0.54	
GW24S	1	NDA	PT24 / 1	NDA	NDA	NDA to NDA	01/04/2020 09:49	0.53	
GW24S	1	NDA	PT25 / 1	NDA	NDA	NDA to NDA	02/04/2020 08:18	0.52	
GW24S	1	NDA	PT26 / 1	NDA	NDA	NDA to NDA	03/04/2020 12:01	0.56	
GW24S	1	NDA	PT27 / 1	NDA	NDA	NDA to NDA	06/04/2020 08:00	0.53	
GW24S	1	NDA	PT28 / 1	NDA	NDA	NDA to NDA	15/04/2020 10:21	0.62	
MGS2019_A	1	50	1 / 1	6.00	5.80	5.00 to 6.00	20/08/2019	0.60	
MGS2019_A	1	50	2 / 1	6.00	5.99	5.00 to 6.00	31/08/2019	1.46	
MGS2019_A	1	50	3 / 1	6.00	5.27	5.00 to 6.00	05/09/2019	1.45	
MGS2019_A	1	50	4 / 1	6.00	8.69	5.00 to 6.00	13/09/2019	1.41	
MGS2019_A	1	50	5 / 1	6.00	8.69	5.00 to 6.00	17/09/2019	1.36	
MGS2019_A	1	50	6 / 1	6.00	8.69	5.00 to 6.00	27/09/2019	1.27	
MGS2019_A	1	50	7 / 1	6.00	5.99	5.00 to 6.00	10/10/2019	1.21	
MGS2019_A	1	50	8 / 1	6.00	5.99	5.00 to 6.00	17/10/2019	1.12	
MGS2019_A	1	50	9 / 1	6.00	5.98	5.00 to 6.00	24/10/2019	1.13	
MGS2019_A	1	50	10 / 1	6.00	5.98	5.00 to 6.00	31/10/2019	1.13	
MGS2019_A	1	50	11 / 1	6.00	5.98	5.00 to 6.00	08/11/2019	1.10	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
MGS2019_A	1	50	12 / 1	6.00	5.98	5.00 to 6.00	21/11/2019	1.22	
MGS2019_A	1	50	13 / 1	6.00	5.99	5.00 to 6.00	28/11/2019	1.05	
MGS2019_A	1	50	14 / 1	6.00	5.97	5.00 to 6.00	05/12/2019	1.04	
MGS2019_A	1	50	15 / 1	6.00	5.97	5.00 to 6.00	12/12/2019	0.98	
MGS2019_A	1	50	16 / 1	6.00	5.97	5.00 to 6.00	19/12/2019	1.04	
MGS2019_F	1	50	1 / 1	3.00	2.70	1.00 to 3.00	20/08/2019	1.00	
MGS2019_F	1	50	2 / 1	3.00	2.73	1.00 to 3.00	31/08/2019	1.09	
MGS2019_F	1	50	3 / 1	3.00	2.73	1.00 to 3.00	05/09/2019	1.05	
MGS2019_F	1	50	4 / 1	3.00	2.73	1.00 to 3.00	13/09/2019	1.09	
MGS2019_F	1	50	5 / 1	3.00	2.73	1.00 to 3.00	17/09/2019	1.10	
MGS2019_F	1	50	6 / 1	3.00	2.73	1.00 to 3.00	27/09/2019	1.05	
MGS2019_F	1	50	7 / 1	3.00	2.73	1.00 to 3.00	10/10/2019	0.25	
MGS2019_F	1	50	8 / 1	3.00	2.73	1.00 to 3.00	17/10/2019	0.18	
MGS2019_F	1	50	9 / 1	3.00	2.73	1.00 to 3.00	24/10/2019	0.18	
MGS2019_F	1	50	10 / 1	3.00	2.74	1.00 to 3.00	31/10/2019	0.18	
MGS2019_F	1	50	11 / 1	3.00	2.73	1.00 to 3.00	08/11/2019	0.17	
MGS2019_F	1	50	12 / 1	3.00	2.73	1.00 to 3.00	21/11/2019	0.22	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
MGS2019_F	1	50	13 / 1	3.00	2.74	1.00 to 3.00	28/11/2019	0.08	
MGS2019_F	1	50	14 / 1	3.00	2.73	1.00 to 3.00	05/12/2019	0.05	
MGS2019_F	1	50	15 / 1	3.00	2.73	1.00 to 3.00	12/12/2019	0.03	
MGS2019_F	1	50	16 / 1	3.00	2.73	1.00 to 3.00	19/12/2019	0.05	
P7	1	NDA	PT1 / 1	NDA	1.13	NDA to NDA	09/03/2020	0.11	
P7	1	NDA	PT2 / 1	NDA	1.13	NDA to NDA	10/03/2020	0.10	
P7	1	NDA	PT3 / 1	NDA	1.13	NDA to NDA	11/03/2020	0.12	
P7	1	NDA	PT4 / 1	NDA	1.13	NDA to NDA	12/03/2020	0.11	
P7	1	NDA	PT5 / 1	NDA	1.13	NDA to NDA	13/03/2020	0.12	
P7	1	NDA	PT6 / 1	NDA	1.13	NDA to NDA	14/03/2020	0.13	
P7	1	NDA	PT7 / 1	NDA	1.13	NDA to NDA	15/03/2020 10:08	0.14	
P7	1	NDA	PT8 / 1	NDA	1.13	NDA to NDA	16/03/2020 11:50	0.15	
P7	1	NDA	PT8 / 2	NDA	1.13	NDA to NDA	16/03/2020 17:07	0.15	
P7	1	NDA	PT9 / 1	NDA	1.13	NDA to NDA	17/03/2020 08:14	0.15	
P7	1	NDA	PT9 / 2	NDA	1.13	NDA to NDA	17/03/2020 09:47	0.15	
P7	1	NDA	PT9 / 3	NDA	1.13	NDA to NDA	17/03/2020 10:44	0.15	
P7	1	NDA	PT9 / 4	NDA	1.13	NDA to NDA	17/03/2020 11:45	0.15	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
P7	1	NDA	PT9 / 5	NDA	1.13	NDA to NDA	17/03/2020 12:46	0.15	
P7	1	NDA	PT9 / 6	NDA	1.13	NDA to NDA	17/03/2020 13:45	0.16	
P7	1	NDA	PT9 / 7	NDA	1.13	NDA to NDA	17/03/2020 14:46	0.15	
P7	1	NDA	PT9 / 8	NDA	1.13	NDA to NDA	17/03/2020 15:44	0.16	
P7	1	NDA	PT9 / 9	NDA	1.13	NDA to NDA	17/03/2020 16:44	0.16	
P7	1	NDA	PT10 / 1	NDA	1.13	NDA to NDA	18/03/2020 08:30	0.16	
P7	1	NDA	PT11 / 1	NDA	1.13	NDA to NDA	19/03/2020 08:29	0.17	
P7	1	NDA	PT12 / 1	NDA	1.13	NDA to NDA	20/03/2020 08:25	0.18	
P7	1	NDA	PT13 / 1	NDA	1.13	NDA to NDA	21/03/2020 09:01	0.18	
P7	1	NDA	PT14 / 1	NDA	1.13	NDA to NDA	22/03/2020 08:52	0.19	
P7	1	NDA	PT18 / 1	NDA	1.13	NDA to NDA	26/03/2020 07:57	0.20	
P7	1	NDA	PT22 / 1	NDA	1.13	NDA to NDA	30/03/2020 09:31	0.25	
P7	1	NDA	PT23 / 1	NDA	1.13	NDA to NDA	31/03/2020 11:52	0.26	
P7	1	NDA	PT25 / 1	NDA	1.13	NDA to NDA	02/04/2020 08:03	0.27	
P7	1	NDA	PT26 / 1	NDA	1.13	NDA to NDA	03/04/2020 11:53	0.27	General Remarks: Diver string caught
P7	1	NDA	PT27 / 1	NDA	1.13	NDA to NDA	06/04/2020 08:18	0.28	
P7	1	NDA	PT28 / 1	NDA	1.13	NDA to NDA	15/04/2020 10:15	0.31	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
P11	1	NDA	PT1 / 1	NDA	1.53	NDA to NDA	09/03/2020	-0.15	
P11	1	NDA	PT2 / 1	NDA	1.53	NDA to NDA	10/03/2020	-0.14	
P11	1	NDA	PT3 / 1	NDA	1.53	NDA to NDA	11/03/2020	-0.14	
P11	1	NDA	PT4 / 1	NDA	1.53	NDA to NDA	12/03/2020	-0.17	
P11	1	NDA	PT5 / 1	NDA	1.53	NDA to NDA	13/03/2020	-0.13	
P11	1	NDA	PT6 / 1	NDA	1.53	NDA to NDA	14/03/2020	-0.11	
P11	1	NDA	PT7 / 1	NDA	1.53	NDA to NDA	15/03/2020 10:01	-0.10	
P11	1	NDA	PT8 / 1	NDA	1.53	NDA to NDA	16/03/2020 11:45	-0.09	
P11	1	NDA	PT8 / 2	NDA	1.53	NDA to NDA	16/03/2020 17:02	-0.10	
P11	1	NDA	PT9 / 1	NDA	1.53	NDA to NDA	17/03/2020 08:21	-0.08	
P11	1	NDA	PT9 / 2	NDA	1.53	NDA to NDA	17/03/2020 09:52	-0.08	
P11	1	NDA	PT9 / 3	NDA	1.53	NDA to NDA	17/03/2020 10:52	-0.08	
P11	1	NDA	PT9 / 4	NDA	1.53	NDA to NDA	17/03/2020 11:50	-0.08	
P11	1	NDA	PT9 / 5	NDA	1.53	NDA to NDA	17/03/2020 12:51	-0.08	
P11	1	NDA	PT9 / 6	NDA	1.53	NDA to NDA	17/03/2020 13:51	-0.08	
P11	1	NDA	PT9 / 7	NDA	1.53	NDA to NDA	17/03/2020 14:51	-0.08	
P11	1	NDA	PT9 / 8	NDA	1.53	NDA to NDA	17/03/2020 15:50	-0.08	
P11	1	NDA	PT9 / 9	NDA	1.53	NDA to NDA	17/03/2020 16:50	-0.08	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
P11	1	NDA	PT10 / 1	NDA	1.53	NDA to NDA	18/03/2020 08:22	-0.08	
P11	1	NDA	PT11 / 1	NDA	1.53	NDA to NDA	19/03/2020 08:21	-0.07	
P11	1	NDA	PT12 / 1	NDA	1.53	NDA to NDA	20/03/2020 08:17	-0.06	
P11	1	NDA	PT13 / 1	NDA	1.53	NDA to NDA	21/03/2020 08:50	-0.06	
P11	1	NDA	PT14 / 1	NDA	1.53	NDA to NDA	22/03/2020 08:45	-0.04	
P11	1	NDA	PT18 / 1	NDA	1.53	NDA to NDA	26/03/2020 07:50	-0.01	
P11	1	NDA	PT22 / 1	NDA	1.53	NDA to NDA	30/03/2020 09:23	0.03	
P11	1	NDA	PT23 / 1	NDA	1.53	NDA to NDA	31/03/2020 12:00	0.03	
P11	1	NDA	PT25 / 1	NDA	1.53	NDA to NDA	02/04/2020 08:12	0.03	
P11	1	NDA	PT26 / 1	NDA	1.53	NDA to NDA	03/04/2020 11:45	0.03	General Remarks: Diver removed then replaced prior to dipping
P11	1	NDA	PT27 / 1	NDA	1.53	NDA to NDA	06/04/2020 08:09	0.04	
P11	1	NDA	PT28 / 1	NDA	1.53	NDA to NDA	15/04/2020 10:09	0.05	
PZ2009_15 (PZ15)	1	100	PT5 / 1	40.00	38.87	NDA to NDA	13/03/2020	0.51	
PZ2009_15 (PZ15)	1	100	PT6 / 1	40.00	38.87	NDA to NDA	14/03/2020	0.60	
PZ2009_15 (PZ15)	1	100	PT7 / 1	40.00	38.87	NDA to NDA	15/03/2020 09:43	0.70	
PZ2009_15 (PZ15)	1	100	PT8 / 1	40.00	38.87	NDA to NDA	16/03/2020 11:32	0.64	
PZ2009_15 (PZ15)	1	100	PT8 / 2	40.00	38.87	NDA to NDA	16/03/2020 17:18	0.64	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_15 (PZ15)	1	100	PT9 / 1	40.00	38.87	NDA to NDA	17/03/2020 08:00	0.61	
PZ2009_15 (PZ15)	1	100	PT9 / 2	40.00	38.87	NDA to NDA	17/03/2020 09:39	0.65	
PZ2009_15 (PZ15)	1	100	PT9 / 3	40.00	38.87	NDA to NDA	17/03/2020 10:38	0.70	
PZ2009_15 (PZ15)	1	100	PT9 / 4	40.00	38.87	NDA to NDA	17/03/2020 11:37	0.77	
PZ2009_15 (PZ15)	1	100	PT9 / 5	40.00	38.87	NDA to NDA	17/03/2020 12:37	0.79	
PZ2009_15 (PZ15)	1	100	PT9 / 6	40.00	38.87	NDA to NDA	17/03/2020 13:38	0.83	
PZ2009_15 (PZ15)	1	100	PT9 / 7	40.00	38.87	NDA to NDA	17/03/2020 14:37	0.85	
PZ2009_15 (PZ15)	1	100	PT9 / 8	40.00	38.87	NDA to NDA	17/03/2020 15:37	0.94	
PZ2009_15 (PZ15)	1	100	PT9 / 9	40.00	38.87	NDA to NDA	17/03/2020 16:37	0.97	
PZ2009_15 (PZ15)	1	100	PT9 / 10	40.00	38.87	NDA to NDA	17/03/2020 17:35	0.73	
PZ2009_15 (PZ15)	1	100	PT10 / 1	40.00	38.87	NDA to NDA	18/03/2020 08:47	0.57	
PZ2009_15 (PZ15)	1	100	PT10 / 2	40.00	38.87	NDA to NDA	18/03/2020 15:13	1.05	
PZ2009_15 (PZ15)	1	100	PT11 / 1	40.00	38.87	NDA to NDA	19/03/2020 08:46	1.03	
PZ2009_15 (PZ15)	1	100	PT11 / 2	40.00	38.87	NDA to NDA	19/03/2020 14:46	1.16	
PZ2009_15 (PZ15)	1	100	PT12 / 1	40.00	38.87	NDA to NDA	20/03/2020 08:40	1.10	
PZ2009_15 (PZ15)	1	100	PT12 / 2	40.00	38.87	NDA to NDA	20/03/2020 14:48	1.19	
PZ2009_15 (PZ15)	1	100	PT13 / 1	40.00	38.87	NDA to NDA	21/03/2020 09:17	1.16	
PZ2009_15 (PZ15)	1	100	PT13 / 2	40.00	38.87	NDA to NDA	21/03/2020 14:45	1.22	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_15 (PZ15)	1	100	PT14 / 1	40.00	38.87	NDA to NDA	22/03/2020 09:10	1.21	
PZ2009_15 (PZ15)	1	100	PT14 / 2	40.00	38.87	NDA to NDA	22/03/2020 14:32	1.24	
PZ2009_15 (PZ15)	1	100	PT15 / 1	40.00	38.87	NDA to NDA	23/03/2020 08:14	1.27	
PZ2009_15 (PZ15)	1	100	PT15 / 2	40.00	38.87	NDA to NDA	23/03/2020 14:39	1.25	
PZ2009_15 (PZ15)	1	100	PT16 / 1	40.00	38.87	NDA to NDA	24/03/2020 08:17	1.28	
PZ2009_15 (PZ15)	1	100	PT16 / 2	40.00	38.87	NDA to NDA	24/03/2020 14:30	1.21	
PZ2009_15 (PZ15)	1	100	PT17 / 1	40.00	38.87	NDA to NDA	25/03/2020 08:04	1.29	
PZ2009_15 (PZ15)	1	100	PT17 / 2	40.00	38.87	NDA to NDA	25/03/2020 14:36	1.17	
PZ2009_15 (PZ15)	1	100	PT18 / 1	40.00	38.87	NDA to NDA	26/03/2020 08:14	1.29	
PZ2009_15 (PZ15)	1	100	PT18 / 2	40.00	38.87	NDA to NDA	26/03/2020 15:17	1.19	
PZ2009_15 (PZ15)	1	100	PT19 / 1	40.00	38.87	NDA to NDA	27/03/2020 08:20	1.30	
PZ2009_15 (PZ15)	1	100	PT19 / 2	40.00	38.87	NDA to NDA	27/03/2020 15:11	1.17	
PZ2009_15 (PZ15)	1	100	PT20 / 1	40.00	38.87	NDA to NDA	28/03/2020 08:52	1.28	
PZ2009_15 (PZ15)	1	100	PT20 / 2	40.00	38.87	NDA to NDA	28/03/2020 14:59	1.14	
PZ2009_15 (PZ15)	1	100	PT21 / 1	40.00	38.87	NDA to NDA	29/03/2020 14:04	1.08	General Remarks: Clocks changed - Diver time 1 hour offset to dip time.
PZ2009_15 (PZ15)	1	100	PT22 / 1	40.00	38.87	NDA to NDA	30/03/2020 09:46	1.30	
PZ2009_15 (PZ15)	1	100	PT22 / 2	40.00	38.87	NDA to NDA	30/03/2020 15:20	1.16	
PZ2009_15 (PZ15)	1	100	PT23 / 1	40.00	38.87	NDA to NDA	31/03/2020 08:44	1.29	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_15 (PZ15)	1	100	PT23 / 2	40.00	38.87	NDA to NDA	31/03/2020 12:52	1.28	
PZ2009_15 (PZ15)	1	100	PT24 / 1	40.00	38.87	NDA to NDA	01/04/2020 10:02	0.82	
PZ2009_15 (PZ15)	1	100	PT25 / 1	40.00	38.87	NDA to NDA	02/04/2020 08:29	0.68	
PZ2009_15 (PZ15)	1	100	PT26 / 1	40.00	38.87	NDA to NDA	03/04/2020 12:12	0.72	
PZ2009_15 (PZ15)	1	100	PT27 / 1	40.00	38.87	NDA to NDA	06/04/2020 08:34	0.73	
PZ2009_15 (PZ15)	1	100	PT28 / 1	40.00	38.87	NDA to NDA	15/04/2020 10:35	0.73	
PZ2009_16 (PZ16)	1	100	PT5 / 1	55.00	49.57	NDA to NDA	13/03/2020	2.72	
PZ2009_16 (PZ16)	1	100	PT6 / 1	55.00	49.57	NDA to NDA	14/03/2020	2.77	
PZ2009_16 (PZ16)	1	100	PT7 / 1	55.00	49.57	NDA to NDA	15/03/2020 10:37	2.80	
PZ2009_16 (PZ16)	1	100	PT8 / 1	55.00	49.57	NDA to NDA	16/03/2020 12:07	2.79	
PZ2009_16 (PZ16)	1	100	PT8 / 2	55.00	49.57	NDA to NDA	16/03/2020 17:40	2.80	
PZ2009_16 (PZ16)	1	100	PT9 / 1	55.00	49.57	NDA to NDA	17/03/2020 07:38	2.78	
PZ2009_16 (PZ16)	1	100	PT9 / 2	55.00	49.57	NDA to NDA	17/03/2020 09:29	2.75	
PZ2009_16 (PZ16)	1	100	PT9 / 3	55.00	49.57	NDA to NDA	17/03/2020 10:30	2.77	
PZ2009_16 (PZ16)	1	100	PT9 / 4	55.00	49.57	NDA to NDA	17/03/2020 11:30	2.79	
PZ2009_16 (PZ16)	1	100	PT9 / 5	55.00	49.57	NDA to NDA	17/03/2020 12:30	2.80	
PZ2009_16 (PZ16)	1	100	PT9 / 6	55.00	49.57	NDA to NDA	17/03/2020 13:30	2.85	General Remarks: COVER RAISED

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_16 (PZ16)	1	100	PT9 / 7	55.00	49.57	NDA to NDA	17/03/2020 14:30	2.82	
PZ2009_16 (PZ16)	1	100	PT9 / 8	55.00	49.57	NDA to NDA	17/03/2020 15:30	2.82	
PZ2009_16 (PZ16)	1	100	PT9 / 9	55.00	49.57	NDA to NDA	17/03/2020 16:29	2.89	
PZ2009_16 (PZ16)	1	100	PT9 / 10	55.00	49.57	NDA to NDA	17/03/2020 17:29	2.86	
PZ2009_16 (PZ16)	1	100	PT10 / 1	55.00	49.57	NDA to NDA	18/03/2020 07:40	2.77	
PZ2009_16 (PZ16)	1	100	PT10 / 2	55.00	49.57	NDA to NDA	18/03/2020 15:00	2.93	
PZ2009_16 (PZ16)	1	100	PT11 / 1	55.00	49.57	NDA to NDA	19/03/2020 07:46	2.95	
PZ2009_16 (PZ16)	1	100	PT11 / 2	55.00	49.57	NDA to NDA	19/03/2020 15:12	2.99	
PZ2009_16 (PZ16)	1	100	PT12 / 1	55.00	49.57	NDA to NDA	20/03/2020 07:39	2.99	
PZ2009_16 (PZ16)	1	100	PT12 / 2	55.00	49.57	NDA to NDA	20/03/2020 14:21	3.01	
PZ2009_16 (PZ16)	1	100	PT13 / 1	55.00	49.57	NDA to NDA	21/03/2020 08:11	3.01	
PZ2009_16 (PZ16)	1	100	PT13 / 2	55.00	49.57	NDA to NDA	21/03/2020 14:21	3.03	
PZ2009_16 (PZ16)	1	100	PT14 / 1	55.00	49.57	NDA to NDA	22/03/2020 08:03	3.05	
PZ2009_16 (PZ16)	1	100	PT14 / 2	55.00	49.57	NDA to NDA	22/03/2020 14:15	3.05	
PZ2009_16 (PZ16)	1	100	PT15 / 1	55.00	49.57	NDA to NDA	23/03/2020 07:34	3.08	
PZ2009_16 (PZ16)	1	100	PT15 / 2	55.00	49.57	NDA to NDA	23/03/2020 14:17	3.06	
PZ2009_16 (PZ16)	1	100	PT16 / 1	55.00	49.57	NDA to NDA	24/03/2020 07:33	3.09	
PZ2009_16 (PZ16)	1	100	PT16 / 2	55.00	49.57	NDA to NDA	24/03/2020 14:20	3.06	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_16 (PZ16)	1	100	PT17 / 1	55.00	49.57	NDA to NDA	25/03/2020 07:32	3.10	
PZ2009_16 (PZ16)	1	100	PT17 / 2	55.00	49.57	NDA to NDA	25/03/2020 14:17	3.05	
PZ2009_16 (PZ16)	1	100	PT18 / 1	55.00	49.57	NDA to NDA	26/03/2020 07:17	3.11	
PZ2009_16 (PZ16)	1	100	PT18 / 2	55.00	49.57	NDA to NDA	26/03/2020 15:29	3.12	
PZ2009_16 (PZ16)	1	100	PT19 / 1	55.00	49.57	NDA to NDA	27/03/2020 08:37	3.11	
PZ2009_16 (PZ16)	1	100	PT19 / 2	55.00	49.57	NDA to NDA	27/03/2020 14:36	3.06	
PZ2009_16 (PZ16)	1	100	PT20 / 1	55.00	49.57	NDA to NDA	28/03/2020 07:53	3.11	
PZ2009_16 (PZ16)	1	100	PT20 / 2	55.00	49.57	NDA to NDA	28/03/2020 14:20	3.07	
PZ2009_16 (PZ16)	1	100	PT21 / 1	55.00	49.57	NDA to NDA	29/03/2020 14:16	3.02	General Remarks: Clocks changed - Diver time 1 hour offset to dip time.
PZ2009_16 (PZ16)	1	100	PT22 / 1	55.00	49.57	NDA to NDA	30/03/2020 09:59	3.11	
PZ2009_16 (PZ16)	1	100	PT22 / 2	55.00	49.57	NDA to NDA	30/03/2020 14:29	3.08	
PZ2009_16 (PZ16)	1	100	PT23 / 1	55.00	49.57	NDA to NDA	31/03/2020 08:58	3.11	
PZ2009_16 (PZ16)	1	100	PT23 / 2	55.00	49.57	NDA to NDA	31/03/2020 13:00	3.12	
PZ2009_16 (PZ16)	1	100	PT24 / 1	55.00	49.57	NDA to NDA	01/04/2020 10:46	2.95	
PZ2009_16 (PZ16)	1	100	PT25 / 1	55.00	49.57	NDA to NDA	02/04/2020 10:08	2.91	
PZ2009_16 (PZ16)	1	100	PT26 / 1	55.00	49.57	NDA to NDA	03/04/2020 12:24	2.90	
PZ2009_16 (PZ16)	1	100	PT27 / 1	55.00	49.57	NDA to NDA	06/04/2020 08:46	2.91	
PZ2009_16 (PZ16)	1	100	PT28 / 1	55.00	49.57	NDA to NDA	15/04/2020 11:29	2.90	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_2 (PZ2)	1	NDA	PT5 / 1	NDA	46.11	NDA to NDA	13/03/2020	0.88	
PZ2009_2 (PZ2)	1	NDA	PT6 / 1	NDA	46.11	NDA to NDA	14/03/2020	1.22	
PZ2009_2 (PZ2)	1	NDA	PT7 / 1	NDA	46.11	NDA to NDA	15/03/2020 09:21	1.23	
PZ2009_2 (PZ2)	1	NDA	PT8 / 1	NDA	46.11	NDA to NDA	16/03/2020 11:19	1.12	
PZ2009_2 (PZ2)	1	NDA	PT8 / 2	NDA	46.11	NDA to NDA	16/03/2020 17:27	1.09	
PZ2009_2 (PZ2)	1	NDA	PT9 / 1	NDA	46.11	NDA to NDA	17/03/2020 07:50	1.05	
PZ2009_2 (PZ2)	1	NDA	PT9 / 2	NDA	46.11	NDA to NDA	17/03/2020 09:33	1.47	
PZ2009_2 (PZ2)	1	NDA	PT9 / 3	NDA	46.11	NDA to NDA	17/03/2020 10:34	1.55	
PZ2009_2 (PZ2)	1	NDA	PT9 / 4	NDA	46.11	NDA to NDA	17/03/2020 11:34	1.90	
PZ2009_2 (PZ2)	1	NDA	PT9 / 5	NDA	46.11	NDA to NDA	17/03/2020 12:34	1.92	
PZ2009_2 (PZ2)	1	NDA	PT9 / 6	NDA	46.11	NDA to NDA	17/03/2020 13:34	2.20	
PZ2009_2 (PZ2)	1	NDA	PT9 / 7	NDA	46.11	NDA to NDA	17/03/2020 14:34	2.19	
PZ2009_2 (PZ2)	1	NDA	PT9 / 8	NDA	46.11	NDA to NDA	17/03/2020 15:33	2.47	
PZ2009_2 (PZ2)	1	NDA	PT9 / 9	NDA	46.11	NDA to NDA	17/03/2020 16:33	2.49	
PZ2009_2 (PZ2)	1	NDA	PT9 / 10	NDA	46.11	NDA to NDA	17/03/2020 17:33	1.27	
PZ2009_2 (PZ2)	1	NDA	PT10 / 1	NDA	46.11	NDA to NDA	18/03/2020 07:58	0.93	
PZ2009_2 (PZ2)	1	NDA	PT10 / 2	NDA	46.11	NDA to NDA	18/03/2020 15:34	2.65	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_2 (PZ2)	1	NDA	PT11 / 1	NDA	46.11	NDA to NDA	19/03/2020 08:02	2.57	
PZ2009_2 (PZ2)	1	NDA	PT11 / 2	NDA	46.11	NDA to NDA	19/03/2020 14:31	2.81	
PZ2009_2 (PZ2)	1	NDA	PT12 / 1	NDA	46.11	NDA to NDA	20/03/2020 07:56	2.68	
PZ2009_2 (PZ2)	1	NDA	PT12 / 2	NDA	46.11	NDA to NDA	20/03/2020 14:31	2.85	
PZ2009_2 (PZ2)	1	NDA	PT13 / 1	NDA	46.11	NDA to NDA	21/03/2020 08:26	2.74	
PZ2009_2 (PZ2)	1	NDA	PT13 / 2	NDA	46.11	NDA to NDA	21/03/2020 14:32	2.90	
PZ2009_2 (PZ2)	1	NDA	PT14 / 1	NDA	46.11	NDA to NDA	22/03/2020 08:17	2.84	
PZ2009_2 (PZ2)	1	NDA	PT14 / 2	NDA	46.11	NDA to NDA	22/03/2020 14:26	2.89	
PZ2009_2 (PZ2)	1	NDA	PT15 / 1	NDA	46.11	NDA to NDA	23/03/2020 07:51	2.97	
PZ2009_2 (PZ2)	1	NDA	PT15 / 2	NDA	46.11	NDA to NDA	23/03/2020 14:26	2.91	
PZ2009_2 (PZ2)	1	NDA	PT16 / 1	NDA	46.11	NDA to NDA	24/03/2020 07:50	2.95	
PZ2009_2 (PZ2)	1	NDA	PT16 / 2	NDA	46.11	NDA to NDA	24/03/2020 14:27	2.84	
PZ2009_2 (PZ2)	1	NDA	PT17 / 1	NDA	46.11	NDA to NDA	25/03/2020 07:44	2.96	
PZ2009_2 (PZ2)	1	NDA	PT17 / 2	NDA	46.11	NDA to NDA	25/03/2020 14:25	2.74	
PZ2009_2 (PZ2)	1	NDA	PT18 / 1	NDA	46.11	NDA to NDA	26/03/2020 07:33	2.99	
PZ2009_2 (PZ2)	1	NDA	PT18 / 2	NDA	46.11	NDA to NDA	26/03/2020 14:47	2.76	
PZ2009_2 (PZ2)	1	NDA	PT19 / 1	NDA	46.11	NDA to NDA	27/03/2020 07:51	3.00	
PZ2009_2 (PZ2)	1	NDA	PT19 / 2	NDA	46.11	NDA to NDA	27/03/2020 14:49	2.73	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_2 (PZ2)	1	NDA	PT20 / 1	NDA	46.11	NDA to NDA	28/03/2020 08:16	2.95	
PZ2009_2 (PZ2)	1	NDA	PT20 / 2	NDA	46.11	NDA to NDA	28/03/2020 14:39	2.67	
PZ2009_2 (PZ2)	1	NDA	PT21 / 1	NDA	46.11	NDA to NDA	29/03/2020 13:39	2.59	General Remarks: Clocks changed - Diver time 1 hour offset to dip time.
PZ2009_2 (PZ2)	1	NDA	PT22 / 1	NDA	46.11	NDA to NDA	30/03/2020 08:49	2.98	
PZ2009_2 (PZ2)	1	NDA	PT22 / 2	NDA	46.11	NDA to NDA	30/03/2020 14:59	2.70	
PZ2009_2 (PZ2)	1	NDA	PT23 / 1	NDA	46.11	NDA to NDA	31/03/2020 08:16	2.93	
PZ2009_2 (PZ2)	1	NDA	PT23 / 2	NDA	46.11	NDA to NDA	31/03/2020 12:34	2.93	
PZ2009_2 (PZ2)	1	NDA	PT24 / 1	NDA	46.11	NDA to NDA	01/04/2020 09:06	1.26	
PZ2009_2 (PZ2)	1	NDA	PT25 / 1	NDA	46.11	NDA to NDA	02/04/2020 09:43	1.14	
PZ2009_2 (PZ2)	1	NDA	PT26 / 1	NDA	46.11	NDA to NDA	03/04/2020 11:22	1.12	
PZ2009_2 (PZ2)	1	NDA	PT27 / 1	NDA	46.11	NDA to NDA	06/04/2020 07:39	1.21	
PZ2009_2 (PZ2)	1	NDA	PT28 / 1	NDA	46.11	NDA to NDA	15/04/2020 09:48	1.12	
PZ2009_3 (PZ3)	1	NDA	PT1 / 1	NDA	46.17	NDA to NDA	09/03/2020	0.70	
PZ2009_3 (PZ3)	1	NDA	PT2 / 1	NDA	46.17	NDA to NDA	10/03/2020	0.69	
PZ2009_3 (PZ3)	1	NDA	PT3 / 1	NDA	46.17	NDA to NDA	11/03/2020	0.73	
PZ2009_3 (PZ3)	1	NDA	PT4 / 1	NDA	46.17	NDA to NDA	12/03/2020	0.59	
PZ2009_3 (PZ3)	1	NDA	PT5 / 1	NDA	46.17	NDA to NDA	13/03/2020	0.72	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_3 (PZ3)	1	NDA	PT6 / 1	NDA	46.17	NDA to NDA	14/03/2020	1.03	
PZ2009_3 (PZ3)	1	NDA	PT7 / 1	NDA	46.17	NDA to NDA	15/03/2020 09:24	1.06	
PZ2009_3 (PZ3)	1	NDA	PT8 / 1	NDA	46.17	NDA to NDA	16/03/2020 11:22	0.94	
PZ2009_3 (PZ3)	1	NDA	PT8 / 2	NDA	46.18	NDA to NDA	16/03/2020 17:24	0.90	
PZ2009_3 (PZ3)	1	NDA	PT9 / 1	NDA	46.17	NDA to NDA	17/03/2020 07:55	0.89	
PZ2009_3 (PZ3)	1	NDA	PT9 / 2	NDA	46.17	NDA to NDA	17/03/2020 09:36	1.04	
PZ2009_3 (PZ3)	1	NDA	PT9 / 3	NDA	46.17	NDA to NDA	17/03/2020 10:36	1.09	
PZ2009_3 (PZ3)	1	NDA	PT9 / 4	NDA	46.17	NDA to NDA	17/03/2020 11:36	1.15	
PZ2009_3 (PZ3)	1	NDA	PT9 / 5	NDA	46.17	NDA to NDA	17/03/2020 12:37	1.16	
PZ2009_3 (PZ3)	1	NDA	PT9 / 6	NDA	46.17	NDA to NDA	17/03/2020 13:36	1.20	
PZ2009_3 (PZ3)	1	NDA	PT9 / 7	NDA	46.17	NDA to NDA	17/03/2020 14:36	1.18	
PZ2009_3 (PZ3)	1	NDA	PT9 / 8	NDA	46.17	NDA to NDA	17/03/2020 15:36	1.22	
PZ2009_3 (PZ3)	1	NDA	PT9 / 9	NDA	46.17	NDA to NDA	17/03/2020 16:36	1.24	
PZ2009_3 (PZ3)	1	NDA	PT9 / 10	NDA	46.18	NDA to NDA	17/03/2020 17:35	0.97	
PZ2009_3 (PZ3)	1	NDA	PT10 / 1	NDA	46.18	NDA to NDA	18/03/2020 08:06	0.77	
PZ2009_3 (PZ3)	1	NDA	PT10 / 2	NDA	46.18	NDA to NDA	18/03/2020 15:23	1.41	
PZ2009_3 (PZ3)	1	NDA	PT11 / 1	NDA	46.18	NDA to NDA	19/03/2020 08:07	1.39	
PZ2009_3 (PZ3)	1	NDA	PT11 / 2	NDA	46.18	NDA to NDA	19/03/2020 14:37	1.64	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_3 (PZ3)	1	NDA	PT12 / 1	NDA	46.18	NDA to NDA	20/03/2020 08:03	1.49	
PZ2009_3 (PZ3)	1	NDA	PT12 / 2	NDA	46.18	NDA to NDA	20/03/2020 14:39	1.70	
PZ2009_3 (PZ3)	1	NDA	PT13 / 1	NDA	46.18	NDA to NDA	21/03/2020 08:33	1.55	
PZ2009_3 (PZ3)	1	NDA	PT13 / 2	NDA	46.18	NDA to NDA	21/03/2020 14:35	1.76	
PZ2009_3 (PZ3)	1	NDA	PT14 / 1	NDA	46.18	NDA to NDA	22/03/2020 08:23	1.65	
PZ2009_3 (PZ3)	1	NDA	PT14 / 2	NDA	46.18	NDA to NDA	22/03/2020 14:30	1.75	
PZ2009_3 (PZ3)	1	NDA	PT15 / 1	NDA	46.18	NDA to NDA	23/03/2020 07:55	1.78	
PZ2009_3 (PZ3)	1	NDA	PT15 / 2	NDA	46.18	NDA to NDA	23/03/2020 14:29	1.76	
PZ2009_3 (PZ3)	1	NDA	PT16 / 1	NDA	46.18	NDA to NDA	24/03/2020 07:55	1.76	
PZ2009_3 (PZ3)	1	NDA	PT16 / 2	NDA	46.18	NDA to NDA	24/03/2020 14:30	1.69	
PZ2009_3 (PZ3)	1	NDA	PT17 / 1	NDA	46.18	NDA to NDA	25/03/2020 07:51	1.77	
PZ2009_3 (PZ3)	1	NDA	PT17 / 2	NDA	46.18	NDA to NDA	25/03/2020 14:28	1.58	
PZ2009_3 (PZ3)	1	NDA	PT18 / 1	NDA	46.18	NDA to NDA	26/03/2020 07:38	1.81	
PZ2009_3 (PZ3)	1	NDA	PT18 / 2	NDA	46.18	NDA to NDA	26/03/2020 14:49	1.60	
PZ2009_3 (PZ3)	1	NDA	PT19 / 1	NDA	46.18	NDA to NDA	27/03/2020 07:58	1.81	
PZ2009_3 (PZ3)	1	NDA	PT19 / 2	NDA	46.18	NDA to NDA	27/03/2020 14:52	1.56	
PZ2009_3 (PZ3)	1	NDA	PT20 / 1	NDA	46.18	NDA to NDA	28/03/2020 08:21	1.79	
PZ2009_3 (PZ3)	1	NDA	PT20 / 2	NDA	46.18	NDA to NDA	28/03/2020 14:42	1.50	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
PZ2009_3 (PZ3)	1	NDA	PT21 / 1	NDA	46.18	NDA to NDA	29/03/2020 13:44	1.34	General Remarks: Clocks changed - Diver time 1 hour offset to dip time.
PZ2009_3 (PZ3)	1	NDA	PT22 / 1	NDA	46.18	NDA to NDA	30/03/2020 09:06	1.83	
PZ2009_3 (PZ3)	1	NDA	PT22 / 2	NDA	46.18	NDA to NDA	30/03/2020 15:02	1.50	
PZ2009_3 (PZ3)	1	NDA	PT23 / 1	NDA	46.18	NDA to NDA	31/03/2020 08:22	1.79	
PZ2009_3 (PZ3)	1	NDA	PT23 / 2	NDA	46.18	NDA to NDA	31/03/2020 12:40	1.74	
PZ2009_3 (PZ3)	1	NDA	PT24 / 1	NDA	46.18	NDA to NDA	01/04/2020 09:21	1.12	
PZ2009_3 (PZ3)	1	NDA	PT25 / 1	NDA	46.18	NDA to NDA	02/04/2020 09:15	0.96	
PZ2009_3 (PZ3)	1	NDA	PT26 / 1	NDA	46.18	NDA to NDA	03/04/2020 11:30	0.98	
PZ2009_3 (PZ3)	1	NDA	PT27 / 1	NDA	46.18	NDA to NDA	06/04/2020 07:46	1.01	
PZ2009_3 (PZ3)	1	NDA	PT28 / 1	NDA	46.18	NDA to NDA	15/04/2020 10:42	1.01	
SCBH2019_1	1	50	11 / 1	7.50	7.78	3.00 to 7.00	08/11/2019	0.91	
SCBH2019_1	1	50	12 / 1	7.50	7.82	3.00 to 7.00	21/11/2019	1.21	
SCBH2019_1	1	50	13 / 1	7.50	2.82	3.00 to 7.00	28/11/2019	0.89	
SCBH2019_1	1	50	14 / 1	7.50	2.82	3.00 to 7.00	05/12/2019	0.89	
SCBH2019_1	1	50	15 / 1	7.50	2.82	3.00 to 7.00	12/12/2019	0.90	
SCBH2019_1	1	50	16 / 1	7.50	2.82	3.00 to 7.00	19/12/2019	0.89	
SCBH2019_1	1	50	17 / 1	7.50	7.53	3.00 to 7.00	21/01/2020 14:28	0.27	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks
SCBH2019_1	1	50	17 / 2	7.50	NDA	3.00 to 7.00	21/01/2020 14:30	---	
SCBH2019_1	1	50	18 / 1	7.50	7.53	3.00 to 7.00	28/01/2020 15:08	0.34	
SCBH2019_1	1	50	18 / 2	7.50	NDA	3.00 to 7.00	28/01/2020 15:10	---	
SCBH2019_2	1	50	17 / 1	8.50	3.80	2.00 to 8.50	21/01/2020 14:43	0.04	
SCBH2019_2	1	50	17 / 2	8.50	NDA	2.00 to 8.50	21/01/2020 14:45	---	
SCBH2019_2	1	50	18 / 1	8.50	3.80	2.00 to 8.50	28/01/2020 14:53	0.10	
SCBH2019_2	1	50	18 / 2	8.50	NDA	2.00 to 8.50	28/01/2020 14:58	---	
SCBH2019_3	1	50	12 / 1	8.50	8.17	3.00 to 8.50	21/11/2019	0.17	
SCBH2019_3	1	50	13 / 1	8.50	8.16	3.00 to 8.50	28/11/2019	0.09	
SCBH2019_3	1	50	14 / 1	8.50	8.16	3.00 to 8.50	05/12/2019	0.08	
SCBH2019_3	1	50	15 / 1	8.50	8.16	3.00 to 8.50	12/12/2019	0.03	
SCBH2019_3	1	50	16 / 1	8.50	8.16	3.00 to 8.50	19/12/2019	0.08	
SCBH2019_3	1	50	17 / 1	8.50	7.87	3.00 to 8.50	21/01/2020 15:08	0.12	
SCBH2019_3	1	50	17 / 2	8.50	NDA	3.00 to 8.50	21/01/2020 15:10	---	
SCBH2019_3	1	50	18 / 1	8.50	7.87	3.00 to 8.50	28/01/2020 14:32	0.17	
SCBH2019_3	1	50	18 / 2	8.50	NDA	3.00 to 8.50	28/01/2020 14:40	---	

Key: NDA denotes 'no data available'.

IN-SITU WATER MONITORING RESULTS

Weather	Ground Conditions	Wind Conditions	Air Temperature (°C)	Equipment Used & Remarks

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (mbgl)	Response Zone	Date & Time of Monitoring	Water Depth (mbgl)	Remarks

Key: NDA denotes 'no data available'.

LINX 1ch v.2.0.1
14/02/2020 08:58
Vibrating Wire Conversion: Polynomial
Temperature Conversion: Celsius

Calibration Factors	Channel 1
Sensorname	PIEZ GS
Model	VWP-3000
Serial	341958
Baro	1027.8
TempatCal	20
LinFactor	-0.20851
ConstA	-3E-07
ConstB	-0.20433
ConstC	
ConstT	0.006497
Sweepmin	800
Sweepmax	3500
Range	2700
Thermistor	3K
ZeroRdg	9483
ZeroT	13.3

Date/time	Vbatt	Temp.	Press.	Channel 1 ()	(°C)	CH1 Raw (Digits)
17/10/2019 12:56	6	30.4	1005.3	921.5	13.6	5063.4
17/10/2019 13:11	5.7	24.9	1004.5	921.4	13.6	5064.3
17/10/2019 13:26	5.7	24.9	1004.6	921.5	13.6	5063.9
17/10/2019 13:41	5.7	24.4	1004.5	921.4	13.6	5064.3
17/10/2019 13:56	5.7	23.6	1004.7	921.4	13.6	5064.3
17/10/2019 14:11	5.7	23.7	1004.4	921.4	13.6	5064.3
17/10/2019 14:26	5.7	22	1004.5	921.4	13.6	5064.3
17/10/2019 14:41	5.7	20.9	1004.1	921.4	13.6	5064.3
17/10/2019 14:56	5.7	20.5	1003.8	921.3	13.6	5064.8
17/10/2019 15:11	5.7	20.3	1003.7	921.2	13.6	5065.2
17/10/2019 15:26	5.7	21	1003.5	921.2	13.6	5065.2
17/10/2019 15:41	5.7	21.4	1003.5	921.1	13.6	5065.7
17/10/2019 15:56	5.7	21.2	1003.1	921	13.6	5066.1
17/10/2019 16:11	5.7	19.6	1002.7	921	13.6	5066.1
17/10/2019 16:26	5.7	18.5	1002.8	920.9	13.6	5066.6
17/10/2019 16:41	5.7	17.4	1002.8	920.8	13.6	5067
17/10/2019 16:56	5.7	16.5	1002.9	920.8	13.6	5067
17/10/2019 17:11	5.7	15.8	1003	920.8	13.6	5067
17/10/2019 17:26	5.7	15	1002.8	920.7	13.6	5067.5
17/10/2019 17:41	5.7	14.3	1003.3	920.7	13.5	5067.5
17/10/2019 17:56	5.7	13.7	1003	920.6	13.5	5067.9
17/10/2019 18:11	5.7	13.2	1002.9	920.6	13.5	5067.9
17/10/2019 18:26	5.7	12.6	1003.1	920.6	13.5	5067.9
17/10/2019 18:41	5.8	12.2	1003	920.5	13.5	5068.4
17/10/2019 18:56	5.8	11.9	1003.2	920.5	13.5	5068.4

17/10/2019 19:11	5.8	11.7	1002.9	920.5	13.5	5068.4
17/10/2019 19:26	5.8	11.4	1003.1	920.5	13.5	5068.4
17/10/2019 19:41	5.8	11.3	1002.7	920.5	13.5	5068.4
17/10/2019 19:56	5.8	11.3	1002.7	920.5	13.5	5068.4
17/10/2019 20:11	5.8	11.5	1002.5	920.5	13.5	5068.4
17/10/2019 20:26	5.8	11.7	1002.6	920.6	13.5	5067.9
17/10/2019 20:41	5.8	11.8	1002.8	920.6	13.5	5067.9
17/10/2019 20:56	5.8	11.9	1002.3	920.7	13.5	5067.5
17/10/2019 21:11	5.8	12	1002.4	920.7	13.5	5067.5
17/10/2019 21:26	5.8	12.1	1002.4	920.9	13.5	5066.6
17/10/2019 21:41	5.8	12	1002.4	920.9	13.5	5066.6
17/10/2019 21:56	5.8	11.9	1002.1	920.9	13.5	5066.6
17/10/2019 22:11	5.8	11.8	1002.1	920.9	13.4	5066.6
17/10/2019 22:26	5.8	11.5	1001.9	920.9	13.4	5066.6
17/10/2019 22:41	5.8	11.3	1001.7	920.9	13.4	5066.6
17/10/2019 22:56	5.8	11.3	1001.4	920.9	13.4	5066.6
17/10/2019 23:11	5.8	11.4	1001.3	921	13.4	5066.1
17/10/2019 23:26	5.8	11.6	1001.2	921	13.4	5066.1
17/10/2019 23:41	5.8	11.9	1001.1	921.1	13.4	5065.7
17/10/2019 23:56	5.8	12.1	1000.8	921.1	13.4	5065.7
18/10/2019 00:11	5.8	12.2	1000.6	921.1	13.4	5065.7
18/10/2019 00:26	5.8	12.3	1000.5	921.1	13.4	5065.7
18/10/2019 00:41	5.8	12.4	1000.5	921.1	13.4	5065.7
18/10/2019 00:56	5.8	12.5	1000.5	921.2	13.4	5065.2
18/10/2019 01:11	5.8	12.5	1000.3	921.1	13.4	5065.7
18/10/2019 01:26	5.8	12.5	1000	921.2	13.4	5065.2
18/10/2019 01:41	5.8	12.5	1000	921.1	13.4	5065.7
18/10/2019 01:56	5.8	12.5	999.8	921.2	13.4	5065.2
18/10/2019 02:11	5.8	12.3	999.8	921.2	13.4	5065.2
18/10/2019 02:26	5.8	12.2	999.3	921.1	13.4	5065.7
18/10/2019 02:41	5.8	12.1	998.8	921.1	13.4	5065.7
18/10/2019 02:56	5.8	12.1	998.7	921.1	13.4	5065.7
18/10/2019 03:11	5.8	12	998.8	921	13.4	5066.1
18/10/2019 03:26	5.8	12	998.5	920.9	13.4	5066.6
18/10/2019 03:41	5.8	12	998.2	920.8	13.4	5067
18/10/2019 03:56	5.8	12.2	998.1	920.7	13.4	5067.5
18/10/2019 04:11	5.8	12.4	997.5	920.6	13.4	5067.9
18/10/2019 04:26	5.8	12.6	997.9	920.7	13.4	5067.5
18/10/2019 04:41	5.8	12.5	997.3	920.5	13.4	5068.4
18/10/2019 04:56	5.8	12.6	997	920.5	13.4	5068.4
18/10/2019 05:11	5.8	12.6	996.7	920.4	13.4	5068.8
18/10/2019 05:26	5.8	12.7	996.5	920.5	13.4	5068.4
18/10/2019 05:41	5.8	12.2	996.5	920.4	13.4	5068.8
18/10/2019 05:56	5.8	11.6	996.7	920.4	13.4	5068.8
18/10/2019 06:11	5.8	11.1	995.9	920.3	13.4	5069.3
18/10/2019 06:26	5.8	10.8	995.7	920.3	13.4	5069.3
18/10/2019 06:41	5.8	10.7	995.9	920.3	13.4	5069.3
18/10/2019 06:56	5.8	10.7	995.4	920.3	13.4	5069.3
18/10/2019 07:11	5.8	10.8	995.3	920.2	13.4	5069.7
18/10/2019 07:26	5.8	10.9	995.1	920.3	13.4	5069.3

18/10/2019 07:41	5.8	10.9	995	920.2	13.4	5069.7
18/10/2019 07:56	5.8	11	995	920.2	13.4	5069.7
18/10/2019 08:11	5.8	11.1	995.1	920.2	13.4	5069.7
18/10/2019 08:26	5.8	11.2	995	920.3	13.4	5069.3
18/10/2019 08:41	5.8	11.3	995	920.4	13.4	5068.8
18/10/2019 08:56	5.8	11.4	994.8	920.4	13.4	5068.8
18/10/2019 09:11	5.8	11.4	994.9	920.5	13.4	5068.4
18/10/2019 09:26	5.8	11.3	995	920.5	13.3	5068.4
18/10/2019 09:41	5.8	11.3	995.5	920.5	13.3	5068.4
18/10/2019 09:56	5.8	11.3	995.7	920.6	13.3	5067.9
18/10/2019 10:11	5.8	11.3	995.7	920.6	13.3	5067.9
18/10/2019 10:26	5.8	11.4	996.2	920.6	13.3	5067.9
18/10/2019 10:41	5.8	11.7	996.3	920.6	13.3	5067.9
18/10/2019 10:56	5.8	12.8	996.5	920.7	13.3	5067.5
18/10/2019 11:11	5.8	15.1	996.6	920.8	13.3	5067
18/10/2019 11:26	5.8	17.1	996.8	920.8	13.3	5067
18/10/2019 11:41	5.7	18.8	996.8	920.9	13.3	5066.6
18/10/2019 11:56	5.7	20.4	997.1	921	13.3	5066.1
18/10/2019 12:11	5.7	21.5	997.3	921	13.3	5066.1
18/10/2019 12:26	5.7	21.8	997.2	921	13.3	5066.1
18/10/2019 12:41	5.7	21.3	997.3	921	13.3	5066.1
18/10/2019 12:56	5.7	20.4	997.1	921.1	13.3	5065.7
18/10/2019 13:11	5.7	20.6	997.4	921.1	13.3	5065.7
18/10/2019 13:26	5.7	20.6	997.4	921.2	13.3	5065.2
18/10/2019 13:41	5.7	20.7	997.1	921.1	13.3	5065.7
18/10/2019 13:56	5.7	21.6	997.4	921.1	13.3	5065.7
18/10/2019 14:11	5.7	20.6	997.2	921.1	13.3	5065.7
18/10/2019 14:26	5.7	20.1	997.9	921.1	13.3	5065.7
18/10/2019 14:41	5.7	18.2	997.5	921.1	13.3	5065.7
18/10/2019 14:56	5.7	16.3	997.3	921.1	13.3	5065.7
18/10/2019 15:11	5.7	15.1	997.4	921	13.3	5066.1
18/10/2019 15:26	5.7	14.5	997.5	920.9	13.3	5066.6
18/10/2019 15:41	5.7	15.1	997.3	920.9	13.3	5066.6
18/10/2019 15:56	5.7	16.7	997.7	920.7	13.2	5067.5
18/10/2019 16:11	5.7	16.4	997.2	920.7	13.2	5067.5
18/10/2019 16:26	5.7	15.7	997.7	920.6	13.2	5067.9
18/10/2019 16:41	5.7	15.3	997.7	920.5	13.2	5068.4
18/10/2019 16:56	5.7	15	997.5	920.5	13.2	5068.4
18/10/2019 17:11	5.7	14.6	997.6	920.5	13.2	5068.4
18/10/2019 17:26	5.8	14.4	997.7	920.5	13.2	5068.4
18/10/2019 17:41	5.8	14.1	997.7	920.5	13.2	5068.4
18/10/2019 17:56	5.8	13.6	998	920.5	13.2	5068.4
18/10/2019 18:11	5.8	13.2	997.7	920.3	13.2	5069.3
18/10/2019 18:26	5.8	12.9	998	920.3	13.2	5069.3
18/10/2019 18:41	5.8	12.6	998.1	920.3	13.2	5069.3
18/10/2019 18:56	5.8	12.4	998.2	920.3	13.2	5069.3
18/10/2019 19:11	5.8	12.3	998.4	920.2	13.2	5069.7
18/10/2019 19:26	5.8	12.2	998.3	920.3	13.2	5069.3
18/10/2019 19:41	5.8	12.1	998.4	920.2	13.2	5069.7
18/10/2019 19:56	5.8	12	998.5	920.3	13.2	5069.3

18/10/2019 20:11	5.8	11.9	998.4	920.3	13.2	5069.3
18/10/2019 20:26	5.8	12	998.3	920.2	13.2	5069.7
18/10/2019 20:41	5.8	11.9	998.4	920.3	13.2	5069.3
18/10/2019 20:56	5.8	11.9	998.8	920.3	13.2	5069.3
18/10/2019 21:11	5.8	12	998.3	920.4	13.2	5068.8
18/10/2019 21:26	5.8	11.9	998.3	920.4	13.2	5068.8
18/10/2019 21:41	5.8	11.8	998.2	920.4	13.2	5068.8
18/10/2019 21:56	5.8	11.8	998	920.4	13.2	5068.8
18/10/2019 22:11	5.8	11.8	997.8	920.5	13.2	5068.4
18/10/2019 22:26	5.8	11.8	998	920.5	13.2	5068.4
18/10/2019 22:41	5.8	11.9	997.7	920.5	13.2	5068.4
18/10/2019 22:56	5.8	11.9	997.7	920.5	13.2	5068.4
18/10/2019 23:11	5.8	11.9	998	920.6	13.2	5067.9
18/10/2019 23:26	5.8	11.9	997.6	920.7	13.2	5067.5
18/10/2019 23:41	5.8	11.9	997.9	920.7	13.2	5067.5
18/10/2019 23:56	5.8	11.9	997.6	920.7	13.2	5067.5
19/10/2019 00:11	5.8	11.9	997.4	920.7	13.2	5067.5
19/10/2019 00:26	5.8	11.9	997.2	920.7	13.2	5067.5
19/10/2019 00:41	5.8	12	997.3	920.7	13.2	5067.5
19/10/2019 00:56	5.8	12.1	997.3	920.8	13.2	5067
19/10/2019 01:11	5.8	12.2	997.5	920.9	13.2	5066.6
19/10/2019 01:26	5.8	12.1	997.2	920.9	13.2	5066.6
19/10/2019 01:41	5.8	12.1	997.1	920.9	13.2	5066.6
19/10/2019 01:56	5.8	12	997.1	920.9	13.2	5066.6
19/10/2019 02:11	5.8	11.9	996.8	920.9	13.2	5066.6
19/10/2019 02:26	5.8	11.9	997	920.8	13.2	5067
19/10/2019 02:41	5.8	12	997.1	920.9	13.2	5066.6
19/10/2019 02:56	5.8	12.1	997	920.9	13.2	5066.6
19/10/2019 03:11	5.8	12.1	997.2	920.7	13.2	5067.5
19/10/2019 03:26	5.8	12.1	996.9	920.8	13.2	5067
19/10/2019 03:41	5.8	12.1	997	920.7	13.2	5067.5
19/10/2019 03:56	5.8	12	996.8	920.6	13.2	5067.9
19/10/2019 04:11	5.8	11.9	996.5	920.5	13.2	5068.4
19/10/2019 04:26	5.8	11.8	996.5	920.4	13.2	5068.8
19/10/2019 04:41	5.8	11.7	996.5	920.5	13.2	5068.4
19/10/2019 04:56	5.8	11.6	996.3	920.4	13.2	5068.8
19/10/2019 05:11	5.8	11.5	996.4	920.4	13.2	5068.8
19/10/2019 05:26	5.8	11.4	996.3	920.3	13.2	5069.3
19/10/2019 05:41	5.8	11.3	996.3	920.3	13.2	5069.3
19/10/2019 05:56	5.8	11.2	996.3	920.3	13.2	5069.3
19/10/2019 06:11	5.8	11.2	996.2	920.2	13.2	5069.7
19/10/2019 06:26	5.8	11.1	995.9	920.2	13.2	5069.7
19/10/2019 06:41	5.8	11	995.8	920.1	13.2	5070.2
19/10/2019 06:56	5.8	10.9	996.3	920.1	13.2	5070.2
19/10/2019 07:11	5.8	10.8	996.5	920.1	13.2	5070.2
19/10/2019 07:26	5.8	10.8	996	920.1	13.2	5070.2
19/10/2019 07:41	5.8	10.9	996.4	920.1	13.2	5070.2
19/10/2019 07:56	5.8	10.9	996.5	920.1	13.2	5070.2
19/10/2019 08:11	5.8	11.3	996.5	920.1	13.2	5070.2
19/10/2019 08:26	5.8	11.4	996.4	920.2	13.2	5069.7

19/10/2019 08:41	5.8	11.5	996.6	920.1	13.2	5070.2
19/10/2019 08:56	5.8	11.9	996.7	920.2	13.2	5069.7
19/10/2019 09:11	5.8	12.8	997.3	920.2	13.2	5069.7
19/10/2019 09:26	5.8	13.4	997.2	920.3	13.2	5069.3
19/10/2019 09:41	5.8	13.3	997.2	920.3	13.2	5069.3
19/10/2019 09:56	5.8	14	997.2	920.4	13.2	5068.8
19/10/2019 10:11	5.8	14.2	997.3	920.3	13.2	5069.3
19/10/2019 10:26	5.8	14.6	996.8	920.4	13.1	5068.8
19/10/2019 10:41	5.8	15.4	997.2	920.5	13.1	5068.4
19/10/2019 10:56	5.8	16.5	997.2	920.5	13.1	5068.4
19/10/2019 11:11	5.8	16.6	997.2	920.5	13.2	5068.4
19/10/2019 11:26	5.8	16.3	997.3	920.6	13.1	5067.9
19/10/2019 11:41	5.8	16.1	997.5	920.6	13.2	5067.9
19/10/2019 11:56	5.8	16.1	997.1	920.6	13.1	5067.9
19/10/2019 12:11	5.7	16.9	997.5	920.7	13.1	5067.5
19/10/2019 12:26	5.7	17.7	997.6	920.8	13.1	5067
19/10/2019 12:41	5.7	18.2	997.6	920.8	13.1	5067
19/10/2019 12:56	5.7	18.5	997.6	920.9	13.1	5066.6
19/10/2019 13:11	5.7	19.7	997.5	920.9	13.1	5066.6
19/10/2019 13:26	5.7	21.4	997.4	920.9	13.1	5066.6
19/10/2019 13:41	5.7	22.8	997.9	920.9	13.1	5066.6
19/10/2019 13:56	5.7	23.7	997.9	920.9	13.1	5066.6
19/10/2019 14:11	5.7	24.4	997.9	921	13.1	5066.1
19/10/2019 14:26	5.7	24.4	997.8	920.9	13.1	5066.6
19/10/2019 14:41	5.7	23.5	997.9	920.9	13.1	5066.6
19/10/2019 14:56	5.7	22.5	998	921	13.1	5066.1
19/10/2019 15:11	5.7	21.4	998.3	921	13.1	5066.1
19/10/2019 15:26	5.7	21.6	998.3	920.9	13.1	5066.6
19/10/2019 15:41	5.7	22.1	998.5	920.9	13.1	5066.6
19/10/2019 15:56	5.7	22.5	998.9	920.8	13.1	5067
19/10/2019 16:11	5.7	22.4	998.8	920.7	13.1	5067.5
19/10/2019 16:26	5.7	22.6	998.8	920.7	13.1	5067.5
19/10/2019 16:41	5.7	22.6	999.1	920.7	13.1	5067.5
19/10/2019 16:56	5.7	21.2	999.3	920.5	13.1	5068.4
19/10/2019 17:11	5.7	19.4	999.3	920.5	13.1	5068.4
19/10/2019 17:26	5.7	18.1	999.1	920.5	13.1	5068.4
19/10/2019 17:41	5.7	16.8	999.4	920.4	13.1	5068.8
19/10/2019 17:56	5.7	15.6	999.3	920.4	13.1	5068.8
19/10/2019 18:11	5.7	14.4	999.7	920.3	13.1	5069.3
19/10/2019 18:26	5.7	13.3	999.7	920.3	13.1	5069.3
19/10/2019 18:41	5.7	12.3	1000	920.3	13.1	5069.3
19/10/2019 18:56	5.8	11.4	1000.2	920.3	13.1	5069.3
19/10/2019 19:11	5.8	10.6	1000.6	920.2	13.1	5069.7
19/10/2019 19:26	5.8	9.9	1000.3	920.3	13.1	5069.3
19/10/2019 19:41	5.8	9.2	1000.8	920.2	13.1	5069.7
19/10/2019 19:56	5.8	8.8	1000.7	920.2	13.1	5069.7
19/10/2019 20:11	5.8	8.5	1001	920.2	13.1	5069.7
19/10/2019 20:26	5.8	8.3	1000.8	920.2	13.1	5069.7
19/10/2019 20:41	5.8	8.1	1001.1	920.1	13.1	5070.2
19/10/2019 20:56	5.8	8	1001.4	920.3	13.1	5069.3

19/10/2019 21:11	5.8	7.9	1001.3	920.3	13.1	5069.3
19/10/2019 21:26	5.8	7.8	1001.7	920.3	13.1	5069.3
19/10/2019 21:41	5.8	7.6	1001.6	920.3	13.1	5069.3
19/10/2019 21:56	5.8	7.4	1002	920.4	13.1	5068.8
19/10/2019 22:11	5.8	7.3	1001.9	920.4	13.1	5068.8
19/10/2019 22:26	5.8	7.3	1002	920.4	13.1	5068.8
19/10/2019 22:41	5.8	7.2	1002.3	920.5	13.1	5068.4
19/10/2019 22:56	5.8	7.3	1002.4	920.5	13.1	5068.4
19/10/2019 23:11	5.8	7.3	1002.5	920.6	13.1	5067.9
19/10/2019 23:26	5.8	7.3	1002.6	920.6	13.1	5067.9
19/10/2019 23:41	5.8	7.3	1002.7	920.6	13.1	5067.9
19/10/2019 23:56	5.8	7.3	1002.7	920.7	13.1	5067.5
20/10/2019 00:11	5.8	7.3	1003	920.7	13.1	5067.5
20/10/2019 00:26	5.8	7.3	1003.2	920.8	13.1	5067
20/10/2019 00:41	5.8	7.3	1003	920.9	13.1	5066.6
20/10/2019 00:56	5.8	7.2	1003.2	920.9	13.1	5066.6
20/10/2019 01:11	5.8	7.2	1003.1	920.9	13.1	5066.6
20/10/2019 01:26	5.8	7.1	1003.7	920.9	13.1	5066.6
20/10/2019 01:41	5.8	7	1003.6	920.9	13.1	5066.6
20/10/2019 01:56	5.8	6.9	1003.6	920.9	13	5066.6
20/10/2019 02:11	5.8	6.8	1003.3	920.9	13	5066.6
20/10/2019 02:26	5.8	6.7	1003.5	920.9	13.1	5066.6
20/10/2019 02:41	5.8	6.5	1003.6	921	13	5066.1
20/10/2019 02:56	5.8	6.4	1003.8	921	13	5066.1
20/10/2019 03:11	5.8	6.3	1003.9	921	13	5066.1
20/10/2019 03:26	5.8	6.1	1003.8	920.9	13	5066.6
20/10/2019 03:41	5.8	5.9	1004	920.9	13	5066.6
20/10/2019 03:56	5.8	5.7	1003.9	920.9	13	5066.6
20/10/2019 04:11	5.8	5.6	1004	920.9	13	5066.6
20/10/2019 04:26	5.8	5.5	1004.3	920.9	13	5066.6
20/10/2019 04:41	5.8	5.4	1004.4	920.8	13	5067
20/10/2019 04:56	5.8	5.4	1004.3	920.7	13	5067.5
20/10/2019 05:11	5.8	5.3	1004.3	920.7	13	5067.5
20/10/2019 05:26	5.8	5.2	1005	920.7	13	5067.5
20/10/2019 05:41	5.8	5.1	1005.2	920.6	13	5067.9
20/10/2019 05:56	5.8	5.2	1005.2	920.6	13	5067.9
20/10/2019 06:11	5.8	5.2	1005.1	920.5	13	5068.4
20/10/2019 06:26	5.8	5.3	1005.3	920.5	13	5068.4
20/10/2019 06:41	5.8	5.4	1005.5	920.4	13	5068.8
20/10/2019 06:56	5.8	5.5	1005.5	920.4	13	5068.8
20/10/2019 07:11	5.8	5.5	1005.5	920.5	13	5068.4
20/10/2019 07:26	5.8	5.6	1005.7	920.4	13	5068.8
20/10/2019 07:41	5.8	5.6	1006	920.4	13	5068.8
20/10/2019 07:56	5.8	5.5	1006	920.3	13	5069.3
20/10/2019 08:11	5.8	5.4	1006.4	920.3	13	5069.3
20/10/2019 08:26	5.8	5.4	1006.2	920.3	13	5069.3
20/10/2019 08:41	5.8	5.7	1006.4	920.3	13	5069.3
20/10/2019 08:56	5.8	6.1	1006.8	920.4	13	5068.8
20/10/2019 09:11	5.8	7	1006.7	920.4	13	5068.8
20/10/2019 09:26	5.8	7.7	1006.8	920.4	13	5068.8

20/10/2019 09:41	5.8	8.5	1006.9	920.4	13	5068.8
20/10/2019 09:56	5.8	9.6	1007.2	920.5	13	5068.4
20/10/2019 10:11	5.8	10	1007.2	920.5	13	5068.4
20/10/2019 10:26	5.8	10.3	1007.2	920.5	13	5068.4
20/10/2019 10:41	5.8	11.3	1007	920.6	13	5067.9
20/10/2019 10:56	5.8	12	1007.4	920.6	13	5067.9
20/10/2019 11:11	5.8	12.7	1007.4	920.7	13	5067.5
20/10/2019 11:26	5.8	13.1	1008	920.8	13	5067
20/10/2019 11:41	5.8	13.9	1007.4	920.8	13	5067
20/10/2019 11:56	5.8	14.9	1007.5	920.9	13	5066.6
20/10/2019 12:11	5.7	16.4	1007.7	920.9	13	5066.6
20/10/2019 12:26	5.7	17.2	1007.5	920.9	13	5066.6
20/10/2019 12:41	5.7	18.2	1007.8	921	13	5066.1
20/10/2019 12:56	5.7	19.5	1007.7	920.9	13	5066.6
20/10/2019 13:11	5.7	20.9	1008.1	921	13	5066.1
20/10/2019 13:26	5.7	21.9	1007.7	921.1	13	5065.7
20/10/2019 13:41	5.7	21.5	1007.6	921.1	13	5065.7
20/10/2019 13:56	5.7	21	1007.8	921.1	13	5065.7
20/10/2019 14:11	5.7	21.2	1007.5	921.1	13	5065.7
20/10/2019 14:26	5.7	21.8	1007.8	921.1	13	5065.7
20/10/2019 14:41	5.7	21.8	1008	921.2	13	5065.2
20/10/2019 14:56	5.7	21.1	1008.1	921.2	13	5065.2
20/10/2019 15:11	5.7	21	1008.1	921.2	13	5065.2
20/10/2019 15:26	5.7	20	1008	921.2	13	5065.2
20/10/2019 15:41	5.7	19.3	1008.2	921.2	13	5065.2
20/10/2019 15:56	5.7	18.4	1008.4	921.2	13	5065.2
20/10/2019 16:11	5.7	17.2	1008.3	921.2	13	5065.2
20/10/2019 16:26	5.7	16.1	1008.8	921.2	13	5065.2
20/10/2019 16:41	5.7	15.3	1008.8	921.1	13	5065.7
20/10/2019 16:56	5.7	14.6	1008.7	921.1	13	5065.7
20/10/2019 17:11	5.7	14.1	1008.7	921.1	13	5065.7
20/10/2019 17:26	5.7	13.6	1009.1	921	13	5066.1
20/10/2019 17:41	5.7	13	1009	921	13	5066.1
20/10/2019 17:56	5.8	12.4	1009	920.9	13	5066.6
20/10/2019 18:11	5.8	11.8	1009.5	920.9	13	5066.6
20/10/2019 18:26	5.8	11.2	1009.8	920.9	13	5066.6
20/10/2019 18:41	5.8	10.7	1010	920.8	13	5067
20/10/2019 18:56	5.8	10.4	1010.1	920.8	13	5067
20/10/2019 19:11	5.8	10.1	1009.4	920.7	13	5067.5
20/10/2019 19:26	5.8	9.8	1010.1	920.7	13	5067.5
20/10/2019 19:41	5.8	9.6	1010.1	920.7	13	5067.5
20/10/2019 19:56	5.8	9.4	1009.6	920.7	13	5067.5
20/10/2019 20:11	5.8	9.2	1009.8	920.7	13	5067.5
20/10/2019 20:26	5.8	9.1	1010.1	920.6	13	5067.9
20/10/2019 20:41	5.8	9.1	1010	920.6	13	5067.9
20/10/2019 20:56	5.8	9.2	1009.9	920.6	13	5067.9
20/10/2019 21:11	5.8	9.3	1010.2	920.6	13	5067.9
20/10/2019 21:26	5.8	9.5	1010	920.5	13	5068.4
20/10/2019 21:41	5.8	9.6	1010.6	920.6	13	5067.9
20/10/2019 21:56	5.8	9.7	1010.2	920.7	13	5067.5

20/10/2019 22:11	5.8	9.9	1010.5	920.7	13	5067.5
20/10/2019 22:26	5.8	10	1010.7	920.7	13	5067.5
20/10/2019 22:41	5.8	10.2	1010.7	920.7	13	5067.5
20/10/2019 22:56	5.8	10.3	1010.8	920.7	13	5067.5
20/10/2019 23:11	5.8	10.4	1011	920.9	13	5066.6
20/10/2019 23:26	5.8	10.6	1010.8	920.9	13	5066.6
20/10/2019 23:41	5.8	10.6	1010.8	920.9	13	5066.6
20/10/2019 23:56	5.8	10.8	1010.5	920.9	13	5066.6
21/10/2019 00:11	5.8	11	1010.8	921	13	5066.1
21/10/2019 00:26	5.8	11.1	1010.9	921	13	5066.1
21/10/2019 00:41	5.8	11.3	1010.7	921	13	5066.1
21/10/2019 00:56	5.8	11.4	1010.8	921	13	5066.1
21/10/2019 01:11	5.8	11.6	1011	921.1	13	5065.7
21/10/2019 01:26	5.8	12.1	1011.2	921.1	13	5065.7
21/10/2019 01:41	5.8	12.5	1011.5	921.1	13	5065.7
21/10/2019 01:56	5.8	12.8	1011.4	921.1	13	5065.7
21/10/2019 02:11	5.8	12.8	1011.2	921.2	13	5065.2
21/10/2019 02:26	5.8	12.9	1011	921.2	13	5065.2
21/10/2019 02:41	5.8	13	1011	921.2	13	5065.2
21/10/2019 02:56	5.8	13.1	1011.2	921.1	13	5065.7
21/10/2019 03:11	5.8	13.3	1011.3	921.3	13	5064.8
21/10/2019 03:26	5.8	13.3	1011.1	921.2	13	5065.2
21/10/2019 03:41	5.8	13.4	1011.6	921.2	13	5065.2
21/10/2019 03:56	5.8	13.4	1011.2	921.3	13	5064.8
21/10/2019 04:11	5.8	13.3	1011.3	921.2	13	5065.2
21/10/2019 04:26	5.8	13.2	1010.8	921.2	13	5065.2
21/10/2019 04:41	5.8	13.1	1011.2	921.2	13	5065.2
21/10/2019 04:56	5.8	13	1011	921.1	13	5065.7
21/10/2019 05:11	5.8	12.9	1011.4	921.1	13	5065.7
21/10/2019 05:26	5.8	12.5	1011.3	921.1	13	5065.7
21/10/2019 05:41	5.8	12.2	1010.9	921.1	13	5065.7
21/10/2019 05:56	5.8	12.2	1011.3	921.1	13	5065.7
21/10/2019 06:11	5.8	12.3	1011.2	921	13	5066.1
21/10/2019 06:26	5.8	12.4	1011.2	920.9	13	5066.6
21/10/2019 06:41	5.8	12.5	1011.3	920.9	13	5066.6
21/10/2019 06:56	5.8	12.6	1011.5	920.9	13	5066.6
21/10/2019 07:11	5.8	12.8	1011.4	920.8	13	5067
21/10/2019 07:26	5.8	12.9	1011.4	920.7	13	5067.5
21/10/2019 07:41	5.8	12.9	1012	920.8	13	5067
21/10/2019 07:56	5.8	13	1011.9	920.7	13	5067.5
21/10/2019 08:11	5.8	12.9	1012.3	920.7	13	5067.5
21/10/2019 08:26	5.8	12.9	1012.4	920.7	13	5067.5
21/10/2019 08:41	5.8	12.8	1012.4	920.7	13	5067.5
21/10/2019 08:56	5.8	12.6	1012.7	920.7	13	5067.5
21/10/2019 09:11	5.8	12.6	1012.9	920.7	13	5067.5
21/10/2019 09:26	5.8	12.5	1013.1	920.7	13	5067.5
21/10/2019 09:41	5.8	12.4	1013.4	920.7	13	5067.5
21/10/2019 09:56	5.8	12.1	1013.1	920.7	13	5067.5
21/10/2019 10:11	5.8	12.1	1013.4	920.7	13	5067.5
21/10/2019 10:26	5.8	12.1	1013.3	920.8	13	5067

21/10/2019 10:41	5.8	12.1	1013.7	920.8	13	5067
21/10/2019 10:56	5.8	12.1	1013.9	920.9	13	5066.6
21/10/2019 11:11	5.8	12.2	1014	920.9	13	5066.6
21/10/2019 11:26	5.8	12.4	1013.9	920.9	13	5066.6
21/10/2019 11:41	5.8	12.8	1014.1	920.9	13	5066.6
21/10/2019 11:56	5.8	13	1014.4	921	13	5066.1
21/10/2019 12:11	5.8	13	1014.3	921	13	5066.1
21/10/2019 12:26	5.8	13	1014.4	921.1	13	5065.7
21/10/2019 12:41	5.8	12.9	1014.6	921.1	13	5065.7
21/10/2019 12:56	5.8	13	1014.6	921.1	13	5065.7
21/10/2019 13:11	5.8	12.9	1014.8	921.2	13	5065.2
21/10/2019 13:26	5.8	12.9	1014.8	921.3	13	5064.8
21/10/2019 13:41	5.8	12.9	1015	921.3	13	5064.8
21/10/2019 13:56	5.8	12.9	1014.8	921.3	13	5064.8
21/10/2019 14:11	5.8	13	1015.1	921.3	13	5064.8
21/10/2019 14:26	5.8	13	1015	921.3	13	5064.8
21/10/2019 14:41	5.8	12.9	1015.3	921.4	13	5064.3
21/10/2019 14:56	5.8	12.9	1015.4	921.4	13	5064.3
21/10/2019 15:11	5.8	12.9	1015.4	921.4	13	5064.3
21/10/2019 15:26	5.8	12.9	1015.3	921.4	13	5064.3
21/10/2019 15:41	5.8	12.9	1015.3	921.4	13	5064.3
21/10/2019 15:56	5.8	13	1015.4	921.4	13	5064.3
21/10/2019 16:11	5.8	13	1015.4	921.4	13	5064.3
21/10/2019 16:26	5.8	12.9	1015.2	921.4	13	5064.3
21/10/2019 16:41	5.8	12.9	1015.6	921.4	13	5064.3
21/10/2019 16:56	5.8	12.8	1015.7	921.4	13	5063.9
21/10/2019 17:11	5.8	12.7	1015.6	921.4	12.9	5063.9
21/10/2019 17:26	5.8	12.6	1015.9	921.4	13	5064.3
21/10/2019 17:41	5.8	12.4	1015.9	921.4	13	5064.3
21/10/2019 17:56	5.8	12.3	1016.3	921.3	13	5064.8
21/10/2019 18:11	5.8	12.3	1016.7	921.4	13	5064.3
21/10/2019 18:26	5.8	12.1	1017	921.3	13	5064.8
21/10/2019 18:41	5.8	12.1	1017.1	921.3	13	5064.8
21/10/2019 18:56	5.8	11.9	1017.3	921.3	12.9	5064.8
21/10/2019 19:11	5.8	11.9	1017.5	921.2	13	5065.2
21/10/2019 19:26	5.8	11.8	1017.4	921.2	13	5065.2
21/10/2019 19:41	5.8	11.7	1017.3	921.1	13	5065.7
21/10/2019 19:56	5.8	11.6	1017.7	921.1	13	5065.7
21/10/2019 20:11	5.8	11.5	1017.5	921.1	12.9	5065.7
21/10/2019 20:26	5.8	11.4	1017.6	921	12.9	5066.1
21/10/2019 20:41	5.8	11.3	1017.5	921.1	12.9	5065.7
21/10/2019 20:56	5.8	11.2	1017.8	921	12.9	5066.1
21/10/2019 21:11	5.8	11.2	1017.8	921	13	5066.1
21/10/2019 21:26	5.8	11.1	1018.1	921	12.9	5066.1
21/10/2019 21:41	5.8	11.1	1018	921	12.9	5066.1
21/10/2019 21:56	5.8	11.1	1018.3	921	12.9	5066.1
21/10/2019 22:11	5.8	11.1	1018.2	920.9	12.9	5066.6
21/10/2019 22:26	5.8	11.1	1018.2	921	12.9	5066.1
21/10/2019 22:41	5.8	11.1	1018.4	920.9	12.9	5066.6
21/10/2019 22:56	5.8	11.1	1018.6	921	12.9	5066.1

21/10/2019 23:11	5.8	11.1	1018.8	921	12.9	5066.1
21/10/2019 23:26	5.8	11.1	1019	921.1	12.9	5065.7
21/10/2019 23:41	5.8	11.1	1018.7	921.1	12.9	5065.7
21/10/2019 23:56	5.8	11.1	1019	921.1	12.9	5065.7
22/10/2019 00:11	5.8	11	1019.2	921.1	12.9	5065.7
22/10/2019 00:26	5.8	11	1019.1	921.1	12.9	5065.7
22/10/2019 00:41	5.8	11	1019.1	921.1	12.9	5065.7
22/10/2019 00:56	5.8	10.9	1019	921.3	12.9	5064.8
22/10/2019 01:11	5.8	10.8	1019.3	921.2	12.9	5065.2
22/10/2019 01:26	5.8	10.8	1018.8	921.3	12.9	5064.8
22/10/2019 01:41	5.8	10.7	1019.3	921.3	12.9	5064.8
22/10/2019 01:56	5.8	10.7	1019.1	921.3	12.9	5064.8
22/10/2019 02:11	5.8	10.6	1019.2	921.3	12.9	5064.8
22/10/2019 02:26	5.8	10.6	1019.3	921.3	12.9	5064.8
22/10/2019 02:41	5.8	10.6	1019.2	921.4	12.9	5064.3
22/10/2019 02:56	5.8	10.6	1019.5	921.4	12.9	5064.3
22/10/2019 03:11	5.8	10.5	1019.2	921.4	12.9	5064.3
22/10/2019 03:26	5.8	10.5	1019.4	921.4	12.9	5064.3
22/10/2019 03:41	5.8	10.4	1019.2	921.4	12.9	5064.3
22/10/2019 03:56	5.8	10.4	1019.2	921.4	12.9	5064.3
22/10/2019 04:11	5.8	10.3	1019.7	921.4	12.9	5064.3
22/10/2019 04:26	5.8	10.3	1019.6	921.4	12.9	5063.9
22/10/2019 04:41	5.8	10.2	1019.8	921.4	12.9	5063.9
22/10/2019 04:56	5.8	10.1	1019.9	921.4	12.9	5064.3
22/10/2019 05:11	5.8	10	1019.8	921.4	12.9	5063.9
22/10/2019 05:26	5.8	9.9	1019.8	921.4	12.9	5063.9
22/10/2019 05:41	5.8	9.7	1020	921.4	12.9	5064.3
22/10/2019 05:56	5.8	9.5	1019.8	921.4	12.9	5064.3
22/10/2019 06:11	5.8	9.3	1020	921.4	12.9	5064.3
22/10/2019 06:26	5.8	9	1020.2	921.4	12.9	5064.3
22/10/2019 06:41	5.8	8.7	1020.3	921.4	12.9	5064.3
22/10/2019 06:56	5.8	8.5	1020.3	921.4	12.9	5064.3
22/10/2019 07:11	5.8	8.3	1020.8	921.3	12.9	5064.8
22/10/2019 07:26	5.8	8.1	1020.7	921.3	12.9	5064.8
22/10/2019 07:41	5.8	7.9	1021	921.2	12.9	5065.2
22/10/2019 07:56	5.8	7.8	1020.6	921.2	12.9	5065.2
22/10/2019 08:11	5.8	8.4	1020.9	921.2	12.9	5065.2
22/10/2019 08:26	5.8	9	1021	921.2	12.9	5065.2
22/10/2019 08:41	5.8	9.8	1021.5	921.2	12.9	5065.2
22/10/2019 08:56	5.8	10.8	1021.5	921.2	12.9	5065.2
22/10/2019 09:11	5.8	11.6	1021.9	921.1	12.9	5065.7
22/10/2019 09:26	5.8	12.1	1021.9	921.1	12.9	5065.7
22/10/2019 09:41	5.8	12.1	1022.3	921.1	12.9	5065.7
22/10/2019 09:56	5.8	12.4	1022	921.1	12.9	5065.7
22/10/2019 10:11	5.8	13.5	1022	921.1	12.9	5065.7
22/10/2019 10:26	5.7	14.8	1022.4	921.1	12.9	5065.7
22/10/2019 10:41	5.7	14.6	1022.4	921.1	12.9	5065.7
22/10/2019 10:56	5.7	14.7	1021.8	921	12.9	5066.1
22/10/2019 11:11	5.7	16.2	1022	921.1	12.9	5065.7
22/10/2019 11:26	5.7	18.4	1022	921.1	12.9	5065.7

22/10/2019 11:41	5.7	18.4	1021.9	921.1	12.9	5065.7
22/10/2019 11:56	5.7	17.7	1021.5	921.1	12.9	5065.7
22/10/2019 12:11	5.7	17.4	1021.8	921.1	12.9	5065.7
22/10/2019 12:26	5.7	16.8	1021.8	921.1	12.9	5065.7
22/10/2019 12:41	5.7	16.8	1022	921.1	12.9	5065.7
22/10/2019 12:56	5.7	18.1	1021.8	921.1	12.9	5065.7
22/10/2019 13:11	5.7	17.7	1021.4	921.1	12.9	5065.7
22/10/2019 13:26	5.7	16.6	1021.8	921.2	12.9	5065.2
22/10/2019 13:41	5.7	16	1021.6	921.2	12.9	5065.2
22/10/2019 13:56	5.7	15.9	1021.1	921.1	12.9	5065.7
22/10/2019 14:11	5.7	16.8	1021.1	921.2	12.9	5065.2
22/10/2019 14:26	5.7	17.4	1020.9	921.2	12.9	5065.2
22/10/2019 14:41	5.7	16.8	1021	921.2	12.9	5065.2
22/10/2019 14:56	5.7	16	1020.8	921.1	12.9	5065.7
22/10/2019 15:11	5.7	16.6	1020.8	921.2	12.9	5065.2
22/10/2019 15:26	5.7	17	1020.8	921.3	12.9	5064.8
22/10/2019 15:41	5.7	17.1	1020.7	921.3	12.9	5064.8
22/10/2019 15:56	5.7	17.7	1020.4	921.4	12.9	5064.3
22/10/2019 16:11	5.7	16.7	1020.6	921.4	12.9	5064.3
22/10/2019 16:26	5.7	16.4	1020.4	921.4	12.9	5063.9
22/10/2019 16:41	5.7	16.2	1020.8	921.5	12.9	5063.4
22/10/2019 16:56	5.7	16	1020.7	921.4	12.9	5063.9
22/10/2019 17:11	5.7	15.3	1020.5	921.5	12.9	5063.4
22/10/2019 17:26	5.7	14.4	1020.3	921.4	12.9	5063.9
22/10/2019 17:41	5.7	13.5	1020.3	921.5	12.9	5063.4
22/10/2019 17:56	5.7	12.9	1020.2	921.5	12.9	5063.4
22/10/2019 18:11	5.7	12.4	1020.6	921.4	12.9	5063.9
22/10/2019 18:26	5.7	11.9	1020.7	921.5	12.9	5063.4
22/10/2019 18:41	5.7	11.5	1020.6	921.4	12.9	5063.9
22/10/2019 18:56	5.7	11.2	1020.7	921.4	12.9	5063.9
22/10/2019 19:11	5.7	10.8	1020.8	921.4	12.9	5063.9
22/10/2019 19:26	5.8	10.2	1020.5	921.4	12.9	5064.3
22/10/2019 19:41	5.8	9.4	1020.6	921.4	12.9	5064.3
22/10/2019 19:56	5.8	8.7	1020.4	921.4	12.9	5064.3
22/10/2019 20:11	5.8	8	1020.5	921.3	12.9	5064.8
22/10/2019 20:26	5.8	7.5	1020	921.3	12.9	5064.8
22/10/2019 20:41	5.8	7.2	1020.1	921.3	12.9	5064.8
22/10/2019 20:56	5.8	6.8	1020	921.2	12.9	5065.2
22/10/2019 21:11	5.8	6.5	1020.2	921.2	12.9	5065.2
22/10/2019 21:26	5.8	6.2	1019.9	921.1	12.9	5065.7
22/10/2019 21:41	5.8	5.8	1020	921.1	12.9	5065.7
22/10/2019 21:56	5.8	5.5	1020.2	921.1	12.9	5065.7
22/10/2019 22:11	5.8	5.3	1020.4	921.1	12.9	5065.7
22/10/2019 22:26	5.8	5.2	1020	921.1	12.9	5065.7
22/10/2019 22:41	5.8	5.1	1020.4	921	12.9	5066.1
22/10/2019 22:56	5.8	5	1020.3	921.1	12.9	5065.7
22/10/2019 23:11	5.8	4.9	1020	921.1	12.9	5065.7
22/10/2019 23:26	5.8	4.8	1020.4	921	12.9	5066.1
22/10/2019 23:41	5.8	4.7	1020	921	12.9	5066.1
22/10/2019 23:56	5.8	4.6	1019.8	920.9	12.9	5066.6

23/10/2019 00:11	5.8	4.5	1019.7	921	12.9	5066.1
23/10/2019 00:26	5.8	4.4	1019.7	921	12.9	5066.1
23/10/2019 00:41	5.8	4.3	1019.5	921	12.9	5066.1
23/10/2019 00:56	5.8	4.1	1019.5	921	12.9	5066.1
23/10/2019 01:11	5.8	3.8	1019.3	921	12.9	5066.1
23/10/2019 01:26	5.8	3.8	1018.9	921	12.9	5066.1
23/10/2019 01:41	5.8	3.7	1018.6	921.1	12.9	5065.7
23/10/2019 01:56	5.8	3.6	1018.6	921	12.9	5066.1
23/10/2019 02:11	5.8	3.5	1018.3	921.1	12.9	5065.7
23/10/2019 02:26	5.8	3.4	1018.8	921.1	12.9	5065.7
23/10/2019 02:41	5.8	3.3	1018.7	921.1	12.9	5065.7
23/10/2019 02:56	5.8	3.1	1018.4	921.1	12.9	5065.7
23/10/2019 03:11	5.8	3	1018.5	921.1	12.9	5065.7
23/10/2019 03:26	5.8	3.1	1018.2	921.2	12.9	5065.2
23/10/2019 03:41	5.8	3	1017.8	921.3	12.9	5064.8
23/10/2019 03:56	5.8	3	1017.6	921.3	12.9	5064.8
23/10/2019 04:11	5.8	3	1017.7	921.2	12.9	5065.2
23/10/2019 04:26	5.8	3	1017.6	921.3	12.9	5064.8
23/10/2019 04:41	5.8	3	1017.2	921.3	12.9	5064.8
23/10/2019 04:56	5.8	2.9	1017	921.2	12.9	5065.2
23/10/2019 05:11	5.8	2.8	1016.3	921.2	12.9	5065.2
23/10/2019 05:26	5.8	2.8	1016.4	921.3	12.9	5064.8
23/10/2019 05:41	5.8	2.8	1016.4	921.3	12.9	5064.8
23/10/2019 05:56	5.8	2.8	1016.2	921.3	12.9	5064.8
23/10/2019 06:11	5.8	2.9	1016.4	921.3	12.9	5064.8
23/10/2019 06:26	5.8	3	1016	921.2	12.9	5065.2
23/10/2019 06:41	5.8	3	1016	921.3	12.9	5064.8
23/10/2019 06:56	5.8	3	1015.8	921.2	12.9	5065.2
23/10/2019 07:11	5.8	3.2	1015.7	921.2	12.9	5065.2
23/10/2019 07:26	5.8	3.5	1015.8	921.2	12.9	5065.2
23/10/2019 07:41	5.8	3.7	1015.5	921.1	12.9	5065.7
23/10/2019 07:56	5.8	4	1015.3	921.1	12.8	5065.7
23/10/2019 08:11	5.8	4.6	1015.6	921	12.9	5066.1
23/10/2019 08:26	5.8	5.1	1015.3	921	12.9	5066.1
23/10/2019 08:41	5.8	5.7	1015.3	920.9	12.8	5066.6
23/10/2019 08:56	5.8	6.4	1014.7	920.9	12.9	5066.6
23/10/2019 09:11	5.8	7.8	1014.8	920.9	12.8	5066.6
23/10/2019 09:26	5.8	11.2	1014.4	920.8	12.8	5067
23/10/2019 09:41	5.7	14	1014.3	920.8	12.8	5067
23/10/2019 09:56	5.7	14.8	1014.2	920.7	12.8	5067.5
23/10/2019 10:11	5.7	14.5	1014	920.7	12.8	5067.5
23/10/2019 10:26	5.7	14.8	1013.8	920.7	12.8	5067.5
23/10/2019 10:41	5.7	15.2	1013.8	920.6	12.8	5067.9
23/10/2019 10:56	5.7	15.7	1013.3	920.6	12.8	5067.9
23/10/2019 11:11	5.7	15.2	1013.4	920.6	12.8	5067.9
23/10/2019 11:26	5.7	15.1	1013.1	920.6	12.8	5067.9
23/10/2019 11:41	5.7	15.8	1012.8	920.5	12.8	5068.4
23/10/2019 11:56	5.7	16.4	1012.5	920.5	12.8	5068.4
23/10/2019 12:11	5.7	17	1012.3	920.5	12.8	5068.4
23/10/2019 12:26	5.7	18.5	1012.2	920.5	12.8	5068.4

23/10/2019 12:41	5.7	18.9	1012.3	920.5	12.8	5068.4
23/10/2019 12:56	5.7	18	1011.5	920.5	12.8	5068.4
23/10/2019 13:11	5.7	18.6	1011.3	920.5	12.8	5068.4
23/10/2019 13:26	5.7	20	1011.5	920.5	12.8	5068.4
23/10/2019 13:41	5.7	19.4	1011	920.5	12.8	5068.4
23/10/2019 13:56	5.7	18.9	1010.6	920.5	12.8	5068.4
23/10/2019 14:11	5.7	19.1	1009.6	920.6	12.8	5067.9
23/10/2019 14:26	5.7	19.6	1009.7	920.6	12.8	5067.9
23/10/2019 14:41	5.7	21	1009.2	920.6	12.8	5067.9
23/10/2019 14:56	5.7	20.6	1009.5	920.7	12.8	5067.5
23/10/2019 15:11	5.7	19.6	1009	920.7	12.8	5067.5
23/10/2019 15:26	5.7	19	1008.8	920.7	12.8	5067.5
23/10/2019 15:41	5.7	18.1	1008.9	920.8	12.8	5067
23/10/2019 15:56	5.7	16.9	1009	920.8	12.8	5067
23/10/2019 16:11	5.7	16.1	1008.4	920.8	12.8	5067
23/10/2019 16:26	5.7	15.6	1008.1	920.9	12.8	5066.6
23/10/2019 16:41	5.7	15.1	1008.1	920.9	12.8	5066.6
23/10/2019 16:56	5.7	14.6	1008.3	920.9	12.8	5066.6
23/10/2019 17:11	5.7	14.2	1008.1	920.9	12.8	5066.6
23/10/2019 17:26	5.7	13.9	1007.8	920.9	12.8	5066.6
23/10/2019 17:41	5.7	13.7	1007.4	920.9	12.8	5066.6
23/10/2019 17:56	5.7	13.5	1007.3	920.9	12.8	5066.6
23/10/2019 18:11	5.7	13.5	1007.6	921	12.8	5066.1
23/10/2019 18:26	5.7	13.5	1007.1	921	12.8	5066.1
23/10/2019 18:41	5.7	13.4	1007	921	12.8	5066.1
23/10/2019 18:56	5.7	13.4	1006.6	921	12.8	5066.1
23/10/2019 19:11	5.7	13.5	1006.4	921	12.8	5066.1
23/10/2019 19:26	5.7	13.5	1006.5	921	12.8	5066.1
23/10/2019 19:41	5.7	13.6	1006.5	920.9	12.8	5066.6
23/10/2019 19:56	5.7	13.6	1006.3	921	12.8	5066.1
23/10/2019 20:11	5.7	13.6	1006.5	920.9	12.8	5066.6
23/10/2019 20:26	5.7	13.7	1005.9	920.9	12.8	5066.6
23/10/2019 20:41	5.7	13.8	1005.7	920.9	12.8	5066.6
23/10/2019 20:56	5.7	13.8	1005.8	920.8	12.8	5067
23/10/2019 21:11	5.7	13.8	1005.5	920.7	12.8	5067.5
23/10/2019 21:26	5.7	13.8	1004.9	920.7	12.8	5067.5
23/10/2019 21:41	5.7	13.9	1004.3	920.6	12.8	5067.9
23/10/2019 21:56	5.7	13.9	1004.5	920.5	12.8	5068.4
23/10/2019 22:11	5.7	14	1004.9	920.6	12.8	5067.9
23/10/2019 22:26	5.7	13.9	1004.6	920.5	12.8	5068.4
23/10/2019 22:41	5.7	13.9	1004.6	920.5	12.8	5068.4
23/10/2019 22:56	5.7	13.8	1004.4	920.4	12.8	5068.8
23/10/2019 23:11	5.7	13.8	1004	920.4	12.8	5068.8
23/10/2019 23:26	5.7	13.7	1004.1	920.3	12.8	5069.3
23/10/2019 23:41	5.7	13.6	1003.7	920.3	12.8	5069.3
23/10/2019 23:56	5.7	13.5	1002.9	920.3	12.8	5069.3
24/10/2019 00:11	5.7	13.3	1003	920.1	12.8	5070.2
24/10/2019 00:26	5.7	13.2	1003.1	920.3	12.8	5069.3
24/10/2019 00:41	5.7	13.1	1003.1	920.2	12.8	5069.7
24/10/2019 00:56	5.7	13.1	1003.1	920.2	12.8	5069.7

24/10/2019 01:11	5.7	13.2	1002.7	920.3	12.8	5069.3
24/10/2019 01:26	5.7	13.3	1002.7	920.2	12.8	5069.7
24/10/2019 01:41	5.7	13.4	1002.8	920.2	12.8	5069.7
24/10/2019 01:56	5.7	13.5	1002.9	920.3	12.8	5069.3
24/10/2019 02:11	5.7	13.6	1002.8	920.2	12.8	5069.7
24/10/2019 02:26	5.7	13.7	1002.7	920.3	12.8	5069.3
24/10/2019 02:41	5.7	13.6	1002.5	920.3	12.8	5069.3
24/10/2019 02:56	5.7	13.6	1002.3	920.3	12.8	5069.3
24/10/2019 03:11	5.7	13.5	1001.9	920.3	12.8	5069.3
24/10/2019 03:26	5.7	13.4	1001.6	920.3	12.8	5069.3
24/10/2019 03:41	5.7	13.3	1001.4	920.3	12.8	5069.3
24/10/2019 03:56	5.7	13.2	1001.5	920.3	12.8	5069.3
24/10/2019 04:11	5.7	12.9	1001.4	920.4	12.8	5068.8
24/10/2019 04:26	5.7	12.6	1001.6	920.5	12.8	5068.4
24/10/2019 04:41	5.7	12.7	1001.9	920.5	12.8	5068.4
24/10/2019 04:56	5.7	13	1001.7	920.5	12.8	5068.4
24/10/2019 05:11	5.7	13.1	1001.3	920.5	12.8	5068.4
24/10/2019 05:26	5.7	13.2	1001.3	920.6	12.8	5067.9
24/10/2019 05:41	5.7	13.1	1001.4	920.5	12.8	5068.4
24/10/2019 05:56	5.7	13.1	1001.3	920.6	12.8	5067.9
24/10/2019 06:11	5.7	13	1001.1	920.5	12.8	5068.4
24/10/2019 06:26	5.7	12.6	1001.3	920.6	12.8	5067.9
24/10/2019 06:41	5.7	12.3	1001.1	920.5	12.8	5068.4
24/10/2019 06:56	5.7	12.2	1001	920.6	12.8	5067.9
24/10/2019 07:11	5.7	12.1	1001	920.5	12.8	5068.4
24/10/2019 07:26	5.7	12.3	1000.9	920.5	12.8	5068.4
24/10/2019 07:41	5.7	12.4	1001	920.7	12.8	5067.5
24/10/2019 07:56	5.7	12.7	1001.2	920.6	12.8	5067.9
24/10/2019 08:11	5.7	13	1001.1	920.5	12.8	5068.4
24/10/2019 08:26	5.7	13.2	1000.5	920.5	12.8	5068.4
24/10/2019 08:41	5.7	13.4	1000.2	920.5	12.8	5068.4
24/10/2019 08:56	5.7	13.6	1000.6	920.5	12.8	5068.4
24/10/2019 09:11	5.7	13.7	1000.5	920.4	12.8	5068.8
24/10/2019 09:26	5.7	13.8	1000.5	920.4	12.8	5068.8
24/10/2019 09:41	5.7	13.9	1000.3	920.3	12.8	5069.3
24/10/2019 09:56	5.7	14.2	1000.3	920.3	12.8	5069.3
24/10/2019 10:11	5.7	14.3	1000.4	920.2	12.8	5069.7
24/10/2019 10:26	5.7	14.5	1000.2	920.2	12.8	5069.7
24/10/2019 10:41	5.7	14.7	1000.3	920.1	12.8	5070.2
24/10/2019 10:56	5.7	15	1000.2	920.1	12.8	5070.2
24/10/2019 11:11	5.7	15.2	1000.1	920.1	12.8	5070.2
24/10/2019 11:26	5.7	15.3	1000.5	920.1	12.8	5070.2
24/10/2019 11:41	5.7	15.2	1000.4	920.1	12.8	5070.2
24/10/2019 11:56	5.7	15.2	1000.3	920.1	12.8	5070.2
24/10/2019 12:11	5.7	15.1	999.9	920	12.8	5070.6
24/10/2019 12:26	5.7	15.1	1000	920	12.8	5070.6
24/10/2019 12:41	5.7	15.1	1000	919.9	12.8	5071.1
24/10/2019 12:56	5.7	15.4	999.6	920	12.8	5070.6
24/10/2019 13:11	5.7	15.9	999.8	919.9	12.8	5071.1
24/10/2019 13:26	5.7	15.8	999.5	919.9	12.8	5071.1

24/10/2019 13:41	5.7	15.6	999.9	919.9	12.8	5071.1
24/10/2019 13:56	5.7	15.4	999.7	919.9	12.8	5071.1
24/10/2019 14:11	5.7	15.3	999.8	920	12.8	5070.6
24/10/2019 14:26	5.7	15.2	999.2	919.9	12.8	5071.1
24/10/2019 14:41	5.7	15.1	999.5	920	12.8	5070.6
24/10/2019 14:56	5.7	15.1	999.4	920	12.8	5070.6
24/10/2019 15:11	5.7	15.2	999.1	920.1	12.8	5070.2
24/10/2019 15:26	5.7	15.1	999.3	920.1	12.8	5070.2
24/10/2019 15:41	5.7	13.8	999.9	920.1	12.8	5070.2
24/10/2019 15:56	5.7	12.7	1000.7	920.1	12.8	5070.2
24/10/2019 16:11	5.7	12.8	1000.4	920.1	12.8	5070.2
24/10/2019 16:26	5.7	12.7	1000.5	920.2	12.8	5069.7
24/10/2019 16:41	5.7	12.3	1000.9	920.4	12.8	5068.8
24/10/2019 16:56	5.7	11.9	1001.8	920.3	12.8	5069.3
24/10/2019 17:11	5.7	11.6	1002.4	920.3	12.8	5069.3
24/10/2019 17:26	5.7	11.4	1002.7	920.3	12.8	5069.3
24/10/2019 17:41	5.7	11.2	1002.7	920.3	12.8	5069.3
24/10/2019 17:56	5.7	11.1	1003.1	920.4	12.8	5068.8
24/10/2019 18:11	5.7	10.9	1003.2	920.5	12.8	5068.4
24/10/2019 18:26	5.7	10.7	1003.4	920.5	12.8	5068.4
24/10/2019 18:41	5.7	10.6	1004	920.5	12.8	5068.4
24/10/2019 18:56	5.7	10.6	1003.8	920.6	12.8	5067.9
24/10/2019 19:11	5.7	10.5	1004.3	920.6	12.8	5067.9
24/10/2019 19:26	5.7	10.5	1004.2	920.7	12.8	5067.5
24/10/2019 19:41	5.7	10.5	1004.5	920.7	12.8	5067.5
24/10/2019 19:56	5.7	10.6	1004.7	920.7	12.8	5067.5
24/10/2019 20:11	5.7	10.6	1004.9	920.7	12.8	5067.5
24/10/2019 20:26	5.7	10.6	1005.2	920.7	12.8	5067.5
24/10/2019 20:41	5.7	10.5	1005.3	920.7	12.8	5067.5
24/10/2019 20:56	5.7	10.2	1005.7	920.7	12.8	5067.5
24/10/2019 21:11	5.7	10	1005.7	920.7	12.8	5067.5
24/10/2019 21:26	5.8	9.8	1006	920.6	12.8	5067.9
24/10/2019 21:41	5.8	9.5	1005.9	920.6	12.8	5067.9
24/10/2019 21:56	5.8	9.4	1006.5	920.6	12.8	5067.9
24/10/2019 22:11	5.8	9.6	1006.7	920.5	12.8	5068.4
24/10/2019 22:26	5.8	9.5	1006.7	920.5	12.8	5068.4
24/10/2019 22:41	5.8	9.4	1007	920.4	12.8	5068.8
24/10/2019 22:56	5.8	9.3	1006.9	920.3	12.8	5069.3
24/10/2019 23:11	5.8	9.3	1006.9	920.3	12.8	5069.3
24/10/2019 23:26	5.8	9.3	1007.1	920.3	12.8	5069.3
24/10/2019 23:41	5.8	9.3	1007.5	920.3	12.8	5069.3
24/10/2019 23:56	5.8	9.2	1007.7	920.3	12.8	5069.3
25/10/2019 00:11	5.8	9.2	1007.9	920.2	12.8	5069.7
25/10/2019 00:26	5.8	9.2	1007.9	920.2	12.8	5069.7
25/10/2019 00:41	5.8	9.2	1008	920.2	12.8	5069.7
25/10/2019 00:56	5.8	9.1	1008.3	920.2	12.8	5069.7
25/10/2019 01:11	5.8	9.1	1008.6	920.1	12.8	5070.2
25/10/2019 01:26	5.8	9.1	1008.8	920.1	12.8	5070.2
25/10/2019 01:41	5.8	9.2	1008.8	920.1	12.8	5070.2
25/10/2019 01:56	5.8	9.3	1009	920.1	12.8	5070.2

25/10/2019 02:11	5.8	9.3	1009	920.1	12.8	5070.2
25/10/2019 02:26	5.8	9.4	1008.7	920.1	12.8	5070.2
25/10/2019 02:41	5.8	9.5	1008.8	920.1	12.8	5070.2
25/10/2019 02:56	5.8	9.6	1009.1	920.1	12.8	5070.2
25/10/2019 03:11	5.8	9.7	1009.6	920.2	12.8	5069.7
25/10/2019 03:26	5.8	9.8	1009.5	920.3	12.8	5069.3
25/10/2019 03:41	5.7	9.8	1009.4	920.3	12.8	5069.3
25/10/2019 03:56	5.7	9.8	1009.6	920.3	12.8	5069.3
25/10/2019 04:11	5.7	9.9	1009.6	920.3	12.8	5069.3
25/10/2019 04:26	5.8	9.9	1009.9	920.4	12.8	5068.8
25/10/2019 04:41	5.7	10	1009.9	920.4	12.8	5068.8
25/10/2019 04:56	5.7	10	1010	920.4	12.8	5068.8
25/10/2019 05:11	5.7	10.1	1010.1	920.5	12.8	5068.4
25/10/2019 05:26	5.7	9.9	1010.2	920.5	12.8	5068.4
25/10/2019 05:41	5.8	9.8	1010.3	920.6	12.8	5067.9
25/10/2019 05:56	5.8	9.7	1010.4	920.6	12.8	5067.9
25/10/2019 06:11	5.8	9.5	1010.4	920.6	12.8	5067.9
25/10/2019 06:26	5.8	9.4	1010.5	920.7	12.8	5067.5
25/10/2019 06:41	5.8	9.4	1010.6	920.7	12.8	5067.5
25/10/2019 06:56	5.8	9.4	1010.6	920.7	12.8	5067.5
25/10/2019 07:11	5.8	9.4	1010.5	920.7	12.8	5067.5
25/10/2019 07:26	5.8	9.4	1010.9	920.8	12.8	5067
25/10/2019 07:41	5.8	9.3	1011	920.8	12.8	5067
25/10/2019 07:56	5.8	9.4	1011.5	920.7	12.8	5067.5
25/10/2019 08:11	5.8	9.4	1011.6	920.8	12.8	5067
25/10/2019 08:26	5.7	9.8	1011.6	920.9	12.8	5066.6
25/10/2019 08:41	5.7	10.6	1012.3	920.9	12.8	5066.6
25/10/2019 08:56	5.7	11.4	1012.1	920.9	12.8	5066.6
25/10/2019 09:11	5.7	12.4	1012	920.8	12.8	5067
25/10/2019 09:26	5.7	12.4	1012	920.9	12.8	5066.6
25/10/2019 09:41	5.7	12.3	1012.1	920.9	12.8	5066.6
25/10/2019 09:56	5.7	12.4	1011.9	920.9	12.8	5066.6
25/10/2019 10:11	5.7	13.1	1012.2	920.9	12.8	5066.6
25/10/2019 10:26	5.7	13.7	1012.5	920.9	12.8	5066.6
25/10/2019 10:41	5.7	14.1	1012.3	920.8	12.8	5067
25/10/2019 10:56	5.7	14.5	1012.3	920.8	12.8	5067
25/10/2019 11:11	5.7	15.1	1012.1	920.7	12.8	5067.5
25/10/2019 11:26	5.7	15.5	1012.4	920.7	12.8	5067.5
25/10/2019 11:41	5.7	15.7	1012.1	920.6	12.8	5067.9
25/10/2019 11:56	5.7	15.9	1012	920.6	12.8	5067.9
25/10/2019 12:11	5.7	16.1	1012	920.5	12.8	5068.4
25/10/2019 12:26	5.7	16.1	1011.6	920.3	12.8	5069.3
25/10/2019 12:41	5.7	15.9	1011.7	920.3	12.8	5069.3
25/10/2019 12:56	5.7	15.9	1011.3	920.2	12.8	5069.7
25/10/2019 13:11	5.7	16.1	1011.1	920.1	12.8	5070.2
25/10/2019 13:26	5.7	16.3	1010.6	920.1	12.8	5070.2
25/10/2019 13:41	5.7	16.2	1010.4	920	12.8	5070.6
25/10/2019 13:56	5.7	16	1009.9	920.1	12.8	5070.2
25/10/2019 14:11	5.7	15.8	1009.4	920.1	12.8	5070.2
25/10/2019 14:26	5.7	15.6	1009.2	920	12.8	5070.6

25/10/2019 14:41	5.7	15.6	1009.3	920.1	12.8	5070.2
25/10/2019 14:56	5.7	15.4	1008.9	920.1	12.8	5070.2
25/10/2019 15:11	5.7	15.1	1008.6	920.1	12.8	5070.2
25/10/2019 15:26	5.7	14.8	1007.9	920.1	12.8	5070.2
25/10/2019 15:41	5.7	14.5	1008	920.1	12.8	5070.2
25/10/2019 15:56	5.7	14.5	1007.6	920.1	12.8	5070.2
25/10/2019 16:11	5.7	14.8	1007.4	920.1	12.8	5070.2
25/10/2019 16:26	5.7	15	1007.4	920.1	12.8	5070.2
25/10/2019 16:41	5.7	15.2	1007.5	920.3	12.8	5069.3
25/10/2019 16:56	5.7	15.2	1007.4	920.3	12.8	5069.3
25/10/2019 17:11	5.7	15	1007	920.3	12.8	5069.3
25/10/2019 17:26	5.7	14.8	1006.9	920.3	12.8	5069.3
25/10/2019 17:41	5.7	14.7	1006.5	920.3	12.8	5069.3
25/10/2019 17:56	5.7	14.6	1006.3	920.4	12.8	5068.8
25/10/2019 18:11	5.7	14.7	1006.6	920.4	12.8	5068.8
25/10/2019 18:26	5.7	14.8	1006	920.4	12.8	5068.8
25/10/2019 18:41	5.7	14.9	1006.3	920.5	12.8	5068.4
25/10/2019 18:56	5.7	15	1005.7	920.6	12.8	5067.9
25/10/2019 19:11	5.7	15.1	1006.3	920.5	12.8	5068.4
25/10/2019 19:26	5.7	15.2	1006.1	920.6	12.8	5067.9
25/10/2019 19:41	5.7	15.2	1006	920.6	12.8	5067.9
25/10/2019 19:56	5.7	15.2	1006.3	920.6	12.8	5067.9
25/10/2019 20:11	5.7	15.3	1005.7	920.7	12.8	5067.5
25/10/2019 20:26	5.7	15.3	1005.8	920.7	12.8	5067.5
25/10/2019 20:41	5.7	15.4	1005.9	920.7	12.8	5067.5
25/10/2019 20:56	5.7	15.4	1005.8	920.7	12.8	5067.5
25/10/2019 21:11	5.7	15.4	1005.5	920.7	12.8	5067.5
25/10/2019 21:26	5.7	15.4	1005.4	920.7	12.8	5067.5
25/10/2019 21:41	5.7	15.5	1005.7	920.7	12.8	5067.5
25/10/2019 21:56	5.7	15.6	1005.5	920.7	12.8	5067.5
25/10/2019 22:11	5.7	15.6	1005.7	920.7	12.8	5067.5
25/10/2019 22:26	5.7	15.7	1005.5	920.6	12.8	5067.9
25/10/2019 22:41	5.7	15.7	1005.2	920.6	12.8	5067.9
25/10/2019 22:56	5.7	15.7	1005.6	920.5	12.8	5068.4
25/10/2019 23:11	5.7	15.8	1005.5	920.4	12.8	5068.8
25/10/2019 23:26	5.7	15.8	1005.3	920.4	12.8	5068.8
25/10/2019 23:41	5.7	15.8	1005.1	920.3	12.8	5069.3
25/10/2019 23:56	5.7	15.8	1004.9	920.3	12.8	5069.3
26/10/2019 00:11	5.7	15.7	1005.3	920.2	12.8	5069.7
26/10/2019 00:26	5.7	15.6	1005.3	920.2	12.8	5069.7
26/10/2019 00:41	5.7	15.6	1005.2	920.1	12.8	5070.2
26/10/2019 00:56	5.7	15.5	1005.4	920.1	12.8	5070.2
26/10/2019 01:11	5.7	15.6	1005.3	920.1	12.8	5070.2
26/10/2019 01:26	5.7	15.7	1004.9	920	12.8	5070.6
26/10/2019 01:41	5.7	15.8	1005.1	920.1	12.8	5070.2
26/10/2019 01:56	5.7	15.9	1004.8	920.1	12.8	5070.2
26/10/2019 02:11	5.7	15.9	1005	920	12.8	5070.6
26/10/2019 02:26	5.7	15.9	1005.1	920	12.8	5070.6
26/10/2019 02:41	5.7	15.8	1004.8	920	12.8	5070.6
26/10/2019 02:56	5.7	15.8	1004.9	920.1	12.8	5070.2

26/10/2019 03:11	5.7	15.9	1004.5	920.1	12.8	5070.2
26/10/2019 03:26	5.7	16	1004.3	920.1	12.8	5070.2
26/10/2019 03:41	5.7	16	1004.3	920.1	12.8	5070.2
26/10/2019 03:56	5.7	16.1	1004	920.1	12.8	5070.2
26/10/2019 04:11	5.7	16.1	1004.5	920.1	12.8	5070.2
26/10/2019 04:26	5.7	16.1	1004.5	920.3	12.8	5069.3
26/10/2019 04:41	5.7	16.1	1004.3	920.3	12.8	5069.3
26/10/2019 04:56	5.7	16.1	1004.6	920.3	12.8	5069.3
26/10/2019 05:11	5.7	16	1004.2	920.3	12.8	5069.3
26/10/2019 05:26	5.7	15.9	1004.3	920.4	12.8	5068.8
26/10/2019 05:41	5.7	15.8	1004.2	920.5	12.8	5068.4
26/10/2019 05:56	5.7	15.7	1004.2	920.4	12.8	5068.8
26/10/2019 06:11	5.7	15.4	1004.2	920.5	12.8	5068.4
26/10/2019 06:26	5.7	15.2	1004.4	920.5	12.8	5068.4
26/10/2019 06:41	5.7	15.1	1004.4	920.6	12.8	5067.9
26/10/2019 06:56	5.7	14.9	1004.4	920.6	12.8	5067.9
26/10/2019 07:11	5.7	14.8	1003.9	920.7	12.8	5067.5
26/10/2019 07:26	5.7	14.9	1004.1	920.7	12.8	5067.5
26/10/2019 07:41	5.7	15	1004.1	920.8	12.8	5067
26/10/2019 07:56	5.7	15.1	1004	920.9	12.8	5066.6
26/10/2019 08:11	5.7	15.1	1004	920.8	12.8	5067
26/10/2019 08:26	5.7	15.2	1003.9	920.9	12.8	5066.6
26/10/2019 08:41	5.7	15.3	1004.2	920.9	12.8	5066.6
26/10/2019 08:56	5.7	15.6	1004.3	920.9	12.8	5066.6
26/10/2019 09:11	5.7	16.1	1004	920.9	12.8	5066.6
26/10/2019 09:26	5.7	16	1003.8	920.8	12.8	5067
26/10/2019 09:41	5.7	16	1003.9	920.7	12.8	5067.5
26/10/2019 09:56	5.7	16.5	1004.3	920.8	12.8	5067
26/10/2019 10:11	5.7	16.6	1004.2	920.7	12.8	5067.5
26/10/2019 10:26	5.7	16.6	1004.3	920.7	12.8	5067.5
26/10/2019 10:41	5.7	16.6	1004.3	920.7	12.8	5067.5
26/10/2019 10:56	5.7	16.6	1004.1	920.7	12.8	5067.5
26/10/2019 11:11	5.7	16.7	1004.2	920.6	12.8	5067.9
26/10/2019 11:26	5.7	16.8	1004.2	920.6	12.8	5067.9
26/10/2019 11:41	5.7	17	1004.1	920.4	12.8	5068.8
26/10/2019 11:56	5.7	17.2	1003.8	920.4	12.8	5068.8
26/10/2019 12:11	5.7	17.4	1003.9	920.3	12.8	5069.3
26/10/2019 12:26	5.7	17.4	1003.6	920.3	12.8	5069.3
26/10/2019 12:41	5.7	17.5	1003.4	920.1	12.8	5070.2
26/10/2019 12:56	5.7	18	1003.1	920.1	12.8	5070.2
26/10/2019 13:11	5.7	18.5	1002.8	920.1	12.8	5070.2
26/10/2019 13:26	5.7	18.2	1002.5	920.1	12.8	5070.2
26/10/2019 13:41	5.7	17.9	1002.3	920	12.8	5070.6
26/10/2019 13:56	5.7	17.6	1002.6	920	12.8	5070.6
26/10/2019 14:11	5.7	17.2	1002.3	919.9	12.8	5071.1
26/10/2019 14:26	5.7	16.8	1002.6	920	12.8	5070.6
26/10/2019 14:41	5.7	16.6	1002.6	920	12.8	5070.6
26/10/2019 14:56	5.7	16.4	1002.4	919.9	12.8	5071.1
26/10/2019 15:11	5.7	16	1002.4	919.9	12.8	5071.1
26/10/2019 15:26	5.7	15.6	1002.5	919.9	12.8	5071.1

26/10/2019 15:41	5.7	15.4	1002	919.9	12.8	5071.1
26/10/2019 15:56	5.7	15.3	1002.4	919.9	12.8	5071.1
26/10/2019 16:11	5.7	15.2	1002.1	919.9	12.8	5071.1
26/10/2019 16:26	5.7	15.1	1002.3	919.9	12.8	5071.1
26/10/2019 16:41	5.7	15	1002.1	920	12.8	5070.6
26/10/2019 16:56	5.7	14.9	1002.2	920.1	12.8	5070.2
26/10/2019 17:11	5.7	14.9	1002.3	920.1	12.8	5070.2
26/10/2019 17:26	5.7	14.8	1002.1	920.1	12.8	5070.2
26/10/2019 17:41	5.7	14.8	1002.1	920.1	12.8	5070.2
26/10/2019 17:56	5.7	14.7	1002.5	920.1	12.8	5070.2
26/10/2019 18:11	5.7	14.7	1002.7	920.3	12.8	5069.3
26/10/2019 18:26	5.7	14.8	1002.9	920.3	12.8	5069.3
26/10/2019 18:41	5.7	14.1	1004.1	920.4	12.8	5068.8
26/10/2019 18:56	5.7	12.9	1005	920.5	12.8	5068.4
26/10/2019 19:11	5.7	12	1005	920.5	12.8	5068.4
26/10/2019 19:26	5.7	11.3	1005.7	920.6	12.8	5067.9
26/10/2019 19:41	5.7	10.7	1006	920.6	12.8	5067.9
26/10/2019 19:56	5.7	10.3	1006.7	920.7	12.8	5067.5
26/10/2019 20:11	5.7	9.9	1006.8	920.7	12.8	5067.5
26/10/2019 20:26	5.7	9.6	1007.6	920.9	12.8	5066.6
26/10/2019 20:41	5.7	9.3	1008	920.9	12.8	5066.6
26/10/2019 20:56	5.7	9.2	1008.2	921	12.8	5066.1
26/10/2019 21:11	5.7	9.1	1008.7	921	12.8	5066.1
26/10/2019 21:26	5.7	8.9	1008.7	921.1	12.8	5065.7
26/10/2019 21:41	5.7	8.8	1009.5	921.1	12.8	5065.7
26/10/2019 21:56	5.7	8.7	1009.6	921.1	12.8	5065.7
26/10/2019 22:11	5.7	8.5	1009.7	921.1	12.8	5065.7
26/10/2019 22:26	5.7	8.3	1010.3	921.1	12.8	5065.7
26/10/2019 22:41	5.7	8.2	1010.8	921.2	12.8	5065.2
26/10/2019 22:56	5.7	8.1	1011.1	921.1	12.8	5065.7
26/10/2019 23:11	5.7	8	1011.4	921.2	12.8	5065.2
26/10/2019 23:26	5.7	7.9	1011.7	921.2	12.8	5065.2
26/10/2019 23:41	5.7	7.6	1011.9	921.1	12.8	5065.7
26/10/2019 23:56	5.7	7.4	1012.3	921	12.8	5066.1
27/10/2019 00:11	5.7	7.2	1012.5	920.9	12.8	5066.6
27/10/2019 00:26	5.7	7	1012.8	920.9	12.8	5066.6
27/10/2019 00:41	5.7	6.9	1012.8	920.9	12.8	5066.6
27/10/2019 00:56	5.7	6.8	1012.8	920.8	12.8	5067
27/10/2019 01:11	5.7	6.7	1013.3	920.7	12.8	5067.5
27/10/2019 01:26	5.8	6.7	1013.6	920.7	12.8	5067.5
27/10/2019 01:41	5.8	6.7	1013.5	920.7	12.8	5067.5
27/10/2019 01:56	5.8	6.6	1014.1	920.6	12.8	5067.9
27/10/2019 02:11	5.8	6.5	1014.5	920.7	12.8	5067.5
27/10/2019 02:26	5.8	6.5	1014.5	920.6	12.8	5067.9
27/10/2019 02:41	5.8	6.4	1015	920.6	12.8	5067.9
27/10/2019 02:56	5.8	6.3	1014.5	920.5	12.8	5068.4
27/10/2019 03:11	5.8	6.1	1014.9	920.5	12.8	5068.4
27/10/2019 03:26	5.8	5.9	1014.8	920.5	12.8	5068.4
27/10/2019 03:41	5.8	5.8	1015.3	920.5	12.8	5068.4
27/10/2019 03:56	5.8	5.6	1015.3	920.5	12.8	5068.4

27/10/2019 04:11	5.8	5.5	1015.6	920.5	12.8	5068.4
27/10/2019 04:26	5.8	5.5	1015.5	920.5	12.8	5068.4
27/10/2019 04:41	5.8	5.5	1015.5	920.6	12.8	5067.9
27/10/2019 04:56	5.8	5.5	1015.8	920.7	12.8	5067.5
27/10/2019 05:11	5.8	5.5	1016.3	920.7	12.8	5067.5
27/10/2019 05:26	5.8	5.4	1016.1	920.7	12.8	5067.5
27/10/2019 05:41	5.8	5.4	1016.2	920.9	12.8	5066.6
27/10/2019 05:56	5.8	5.3	1016.3	920.9	12.8	5066.6
27/10/2019 06:11	5.8	5.2	1016.3	921	12.8	5066.1
27/10/2019 06:26	5.8	5.2	1016.3	921	12.8	5066.1
27/10/2019 06:41	5.8	5.3	1016.4	921.1	12.8	5065.7
27/10/2019 06:56	5.8	5.2	1016.8	921.1	12.8	5065.7
27/10/2019 07:11	5.8	5.1	1016.9	921.2	12.8	5065.2
27/10/2019 07:26	5.8	5	1017.4	921.2	12.8	5065.2
27/10/2019 07:41	5.8	5	1017.6	921.3	12.8	5064.8
27/10/2019 07:56	5.8	5.1	1017.6	921.3	12.8	5064.8
27/10/2019 08:11	5.8	5.1	1017.9	921.4	12.8	5064.3
27/10/2019 08:26	5.8	5.2	1018.1	921.4	12.8	5064.3
27/10/2019 08:41	5.8	5.4	1018.5	921.4	12.8	5064.3
27/10/2019 08:56	5.8	5.7	1018.7	921.4	12.8	5063.9
27/10/2019 09:11	5.8	6.1	1019	921.5	12.8	5063.4
27/10/2019 09:26	5.7	6.8	1018.8	921.4	12.8	5064.3
27/10/2019 09:41	5.7	8	1019.5	921.4	12.8	5063.9
27/10/2019 09:56	5.7	9.6	1019	921.5	12.8	5063.4
27/10/2019 10:11	5.7	10.5	1019.2	921.4	12.8	5064.3
27/10/2019 10:26	5.7	11.3	1019.4	921.5	12.8	5063.4
27/10/2019 10:41	5.7	12.1	1019.1	921.4	12.8	5064.3
27/10/2019 10:56	5.7	13.2	1019.4	921.4	12.8	5064.3
27/10/2019 11:11	5.7	14.1	1019.8	921.4	12.8	5064.3
27/10/2019 11:26	5.7	15.1	1019.6	921.4	12.7	5064.3
27/10/2019 11:41	5.7	16.1	1019.8	921.4	12.8	5064.3
27/10/2019 11:56	5.7	17	1019.6	921.3	12.8	5064.8
27/10/2019 12:11	5.7	18.1	1019.8	921.4	12.7	5064.3
27/10/2019 12:26	5.7	18.8	1020	921.4	12.8	5064.3
27/10/2019 12:41	5.7	19.4	1019.9	921.2	12.8	5065.2
27/10/2019 12:56	5.7	19.9	1019.6	921.2	12.8	5065.2
27/10/2019 13:11	5.7	20.1	1019.7	921.1	12.7	5065.7
27/10/2019 13:26	5.7	20.5	1019.7	921.1	12.7	5065.7
27/10/2019 13:41	5.7	20.4	1020	921	12.8	5066.1
27/10/2019 13:56	5.7	20.7	1020	921	12.7	5066.1
27/10/2019 14:11	5.7	21.1	1020	920.9	12.7	5066.6
27/10/2019 14:26	5.7	21.4	1019.7	920.8	12.7	5067
27/10/2019 14:41	5.7	21.7	1020	920.7	12.7	5067.5
27/10/2019 14:56	5.7	21.7	1019.9	920.7	12.7	5067.5
27/10/2019 15:11	5.7	21.7	1020	920.7	12.7	5067.5
27/10/2019 15:26	5.7	21.6	1020.1	920.7	12.7	5067.5
27/10/2019 15:41	5.7	21.7	1020.2	920.6	12.7	5067.9
27/10/2019 15:56	5.7	21.5	1020.1	920.6	12.7	5067.9
27/10/2019 16:11	5.7	20.7	1020.2	920.6	12.8	5067.9
27/10/2019 16:26	5.7	20	1020.4	920.5	12.7	5068.4

27/10/2019 16:41	5.7	18.9	1020.9	920.6	12.7	5067.9
27/10/2019 16:56	5.7	17.1	1020.5	920.6	12.8	5067.9
27/10/2019 17:11	5.7	15.2	1020.3	920.6	12.7	5067.9
27/10/2019 17:26	5.7	13.4	1020.5	920.6	12.8	5067.9
27/10/2019 17:41	5.7	11.8	1020.9	920.7	12.8	5067.5
27/10/2019 17:56	5.7	10.4	1021	921	12.8	5066.1
27/10/2019 18:11	5.7	9.3	1021	921	12.7	5066.1
27/10/2019 18:26	5.7	8.3	1021.1	921	12.8	5066.1
27/10/2019 18:41	5.7	7.5	1021.4	921.1	12.8	5065.7
27/10/2019 18:56	5.7	6.9	1021.6	921.2	12.8	5065.2
27/10/2019 19:11	5.7	6.3	1021.6	921.2	12.8	5065.2
27/10/2019 19:26	5.7	5.8	1021.8	921.2	12.8	5065.2
27/10/2019 19:41	5.8	5.2	1021.9	921.3	12.8	5064.8
27/10/2019 19:56	5.8	4.8	1022	921.3	12.8	5064.8
27/10/2019 20:11	5.8	4.4	1022.3	921.3	12.8	5064.8
27/10/2019 20:26	5.8	4.1	1022.3	921.4	12.8	5064.3
27/10/2019 20:41	5.8	3.9	1022.2	921.4	12.8	5064.3
27/10/2019 20:56	5.8	3.7	1022.4	921.4	12.8	5063.9
27/10/2019 21:11	5.8	3.6	1022.4	921.4	12.8	5063.9
27/10/2019 21:26	5.8	3.5	1022.3	921.4	12.8	5063.9
27/10/2019 21:41	5.8	3.4	1022.5	921.5	12.8	5063.4
27/10/2019 21:56	5.8	3.4	1022.4	921.5	12.8	5063.4
27/10/2019 22:11	5.8	3.4	1022.6	921.5	12.8	5063.4
27/10/2019 22:26	5.8	3.3	1022.8	921.5	12.8	5063.4
27/10/2019 22:41	5.8	3.4	1022.5	921.6	12.8	5063
27/10/2019 22:56	5.8	3.4	1022.9	921.5	12.8	5063.4
27/10/2019 23:11	5.8	3.5	1022.7	921.5	12.8	5063.4
27/10/2019 23:26	5.8	3.6	1022.8	921.4	12.8	5063.9
27/10/2019 23:41	5.8	3.7	1022.8	921.4	12.8	5063.9
27/10/2019 23:56	5.8	3.7	1022.3	921.4	12.8	5064.3
28/10/2019 00:11	5.8	3.6	1022.6	921.4	12.8	5063.9
28/10/2019 00:26	5.8	3.7	1022.4	921.4	12.8	5064.3
28/10/2019 00:41	5.8	3.7	1022.7	921.4	12.8	5064.3
28/10/2019 00:56	5.8	3.7	1022.7	921.4	12.8	5064.3
28/10/2019 01:11	5.8	3.7	1022.5	921.3	12.7	5064.8
28/10/2019 01:26	5.8	3.6	1022.3	921.1	12.8	5065.7
28/10/2019 01:41	5.8	3.6	1022.4	921.1	12.8	5065.7
28/10/2019 01:56	5.8	3.6	1022.2	921.1	12.8	5065.7
28/10/2019 02:11	5.8	3.6	1022.4	921	12.8	5066.1
28/10/2019 02:26	5.8	3.6	1022.1	921	12.8	5066.1
28/10/2019 02:41	5.8	3.6	1022.3	920.9	12.8	5066.6
28/10/2019 02:56	5.8	3.5	1022	920.9	12.8	5066.6
28/10/2019 03:11	5.8	3.5	1022	920.7	12.8	5067.5
28/10/2019 03:26	5.8	3.5	1021.9	920.7	12.8	5067.5
28/10/2019 03:41	5.8	3.4	1021.9	920.7	12.8	5067.5
28/10/2019 03:56	5.8	3.3	1022	920.7	12.8	5067.5
28/10/2019 04:11	5.8	3.2	1022	920.6	12.8	5067.9
28/10/2019 04:26	5.8	3.1	1021.9	920.5	12.7	5068.4
28/10/2019 04:41	5.8	3	1021.9	920.5	12.8	5068.4
28/10/2019 04:56	5.8	3	1022	920.5	12.8	5068.4

28/10/2019 05:11	5.8	3	1022	920.5	12.8	5068.4
28/10/2019 05:26	5.8	2.9	1022	920.6	12.8	5067.9
28/10/2019 05:41	5.8	2.8	1022	920.7	12.8	5067.5
28/10/2019 05:56	5.8	2.7	1022.1	920.7	12.8	5067.5
28/10/2019 06:11	5.8	2.6	1022.1	920.9	12.8	5066.6
28/10/2019 06:26	5.8	2.6	1022.1	920.9	12.8	5066.6
28/10/2019 06:41	5.8	2.5	1022.2	921	12.8	5066.1
28/10/2019 06:56	5.8	2.5	1022	921.1	12.8	5065.7
28/10/2019 07:11	5.8	2.4	1022.2	921.1	12.8	5065.7
28/10/2019 07:26	5.8	2.4	1022.3	921.1	12.8	5065.7
28/10/2019 07:41	5.8	2.4	1022.3	921.1	12.8	5065.7
28/10/2019 07:56	5.8	2.5	1022.7	921.1	12.8	5065.7
28/10/2019 08:11	5.8	2.6	1022.7	921.2	12.8	5065.2
28/10/2019 08:26	5.8	3.6	1022.7	921.3	12.8	5064.8
28/10/2019 08:41	5.7	4.8	1022.6	921.3	12.8	5064.8
28/10/2019 08:56	5.7	6.3	1022.5	921.3	12.7	5064.8
28/10/2019 09:11	5.7	8.1	1022.5	921.4	12.7	5064.3
28/10/2019 09:26	5.7	9.8	1022.4	921.4	12.7	5064.3
28/10/2019 09:41	5.7	11.3	1022.3	921.5	12.7	5063.4
28/10/2019 09:56	5.7	12.7	1022.4	921.4	12.7	5063.9
28/10/2019 10:11	5.7	14.8	1022.3	921.5	12.7	5063.4
28/10/2019 10:26	5.7	16.9	1022.5	921.5	12.7	5063.4
28/10/2019 10:41	5.7	18.7	1022.5	921.5	12.7	5063.4
28/10/2019 10:56	5.7	19.9	1022.5	921.4	12.7	5063.9
28/10/2019 11:11	5.7	21.6	1022.8	921.4	12.7	5064.3
28/10/2019 11:26	5.7	22.6	1022.5	921.4	12.7	5064.3
28/10/2019 11:41	5.6	23.2	1022.7	921.4	12.7	5064.3
28/10/2019 11:56	5.6	22.9	1022.4	921.4	12.7	5064.3
28/10/2019 12:11	5.7	22	1022.8	921.4	12.7	5064.3
28/10/2019 12:26	5.7	22	1022.4	921.4	12.7	5064.3
28/10/2019 12:41	5.7	21.8	1022.2	921.4	12.7	5064.3
28/10/2019 12:56	5.7	21.2	1022.1	921.4	12.7	5064.3
28/10/2019 13:11	5.7	21	1022	921.3	12.7	5064.8
28/10/2019 13:26	5.7	20.8	1022	921.2	12.7	5065.2
28/10/2019 13:41	5.7	19.6	1021.7	921.1	12.7	5065.7
28/10/2019 13:56	5.7	19.4	1021.5	921.1	12.7	5065.7
28/10/2019 14:11	5.7	18.7	1021.8	921	12.7	5066.1
28/10/2019 14:26	5.7	18.3	1021.6	921	12.7	5066.1
28/10/2019 14:41	5.7	18.5	1021.7	920.9	12.7	5066.6
28/10/2019 14:56	5.7	18.3	1021.7	920.9	12.7	5066.6
28/10/2019 15:11	5.7	17.3	1021.4	920.8	12.7	5067
28/10/2019 15:26	5.7	15.4	1021.5	920.7	12.7	5067.5
28/10/2019 15:41	5.7	14.1	1021.6	920.7	12.7	5067.5
28/10/2019 15:56	5.7	13.5	1021.6	920.6	12.7	5067.9
28/10/2019 16:11	5.7	12.8	1021.2	920.6	12.7	5067.9
28/10/2019 16:26	5.7	12.3	1021.5	920.6	12.7	5067.9
28/10/2019 16:41	5.7	11.6	1021.6	920.5	12.7	5068.4
28/10/2019 16:56	5.7	11	1021.6	920.5	12.7	5068.4
28/10/2019 17:11	5.7	10.4	1021.3	920.4	12.8	5068.8
28/10/2019 17:26	5.7	9.8	1021.6	920.4	12.8	5068.8

28/10/2019 17:41	5.7	9.2	1021.6	920.5	12.7	5068.4
28/10/2019 17:56	5.7	8.6	1021.8	920.5	12.7	5068.4
28/10/2019 18:11	5.7	8.1	1022	920.6	12.7	5067.9
28/10/2019 18:26	5.7	7.7	1022.2	920.7	12.7	5067.5
28/10/2019 18:41	5.7	7.3	1022.2	920.7	12.7	5067.5
28/10/2019 18:56	5.7	7.1	1022.1	920.9	12.7	5066.6
28/10/2019 19:11	5.7	6.9	1022	920.9	12.7	5066.6
28/10/2019 19:26	5.7	6.7	1022.1	921	12.7	5066.1
28/10/2019 19:41	5.7	6.5	1022	921	12.7	5066.1
28/10/2019 19:56	5.7	6.4	1021.8	921	12.7	5066.1
28/10/2019 20:11	5.7	6.4	1021.7	921	12.7	5066.1
28/10/2019 20:26	5.7	6.4	1021.7	921.1	12.7	5065.7
28/10/2019 20:41	5.7	6.5	1021.7	921.1	12.7	5065.7
28/10/2019 20:56	5.7	6.6	1022	921.1	12.8	5065.7
28/10/2019 21:11	5.7	6.5	1021.5	921.2	12.8	5065.2
28/10/2019 21:26	5.7	6.5	1021.7	921.2	12.7	5065.2
28/10/2019 21:41	5.7	6.4	1022.1	921.3	12.7	5064.8
28/10/2019 21:56	5.7	6.3	1021.9	921.3	12.7	5064.8
28/10/2019 22:11	5.7	6.4	1021.9	921.4	12.7	5064.3
28/10/2019 22:26	5.7	6.4	1022.3	921.4	12.7	5064.3
28/10/2019 22:41	5.7	6.4	1022.2	921.4	12.7	5064.3
28/10/2019 22:56	5.7	6.5	1021.8	921.4	12.7	5063.9
28/10/2019 23:11	5.7	6.5	1021.7	921.4	12.7	5064.3
28/10/2019 23:26	5.7	6.5	1021.9	921.4	12.7	5064.3
28/10/2019 23:41	5.7	6.6	1021.9	921.4	12.7	5064.3
28/10/2019 23:56	5.7	6.7	1021.9	921.4	12.7	5064.3
29/10/2019 00:11	5.7	6.8	1021.8	921.4	12.7	5064.3
29/10/2019 00:26	5.7	6.9	1022	921.4	12.7	5064.3
29/10/2019 00:41	5.7	7.1	1021.7	921.4	12.8	5064.3
29/10/2019 00:56	5.7	7.2	1021.5	921.4	12.7	5064.3
29/10/2019 01:11	5.7	7.2	1021.8	921.3	12.8	5064.8
29/10/2019 01:26	5.7	7.2	1021.9	921.3	12.7	5064.8
29/10/2019 01:41	5.7	7.1	1022	921.3	12.7	5064.8
29/10/2019 01:56	5.7	7.1	1021.4	921.1	12.8	5065.7
29/10/2019 02:11	5.7	7.3	1021.8	921	12.7	5066.1
29/10/2019 02:26	5.7	8.1	1021.5	921	12.7	5066.1
29/10/2019 02:41	5.7	8.8	1021.4	921	12.7	5066.1
29/10/2019 02:56	5.7	8.5	1021.3	920.9	12.7	5066.6
29/10/2019 03:11	5.7	8.2	1021.6	920.9	12.7	5066.6
29/10/2019 03:26	5.7	8	1021.4	920.8	12.7	5067
29/10/2019 03:41	5.7	7.7	1021.5	920.8	12.7	5067
29/10/2019 03:56	5.7	7.3	1021.7	920.7	12.7	5067.5
29/10/2019 04:11	5.7	7	1021.7	920.7	12.7	5067.5
29/10/2019 04:26	5.7	6.7	1021.6	920.7	12.7	5067.5
29/10/2019 04:41	5.7	6.6	1021.6	920.6	12.7	5067.9
29/10/2019 04:56	5.7	6.7	1021.6	920.5	12.7	5068.4
29/10/2019 05:11	5.7	6.7	1021.8	920.6	12.7	5067.9
29/10/2019 05:26	5.7	6.7	1021.6	920.6	12.7	5067.9
29/10/2019 05:41	5.7	6.8	1021.7	920.6	12.7	5067.9
29/10/2019 05:56	5.7	6.8	1021.7	920.6	12.7	5067.9

29/10/2019 06:11	5.7	7	1022	920.7	12.7	5067.5
29/10/2019 06:26	5.7	8	1022.1	920.7	12.7	5067.5
29/10/2019 06:41	5.7	8.6	1021.7	920.8	12.7	5067
29/10/2019 06:56	5.7	9.2	1021.9	921	12.7	5066.1
29/10/2019 07:11	5.7	9.4	1022.1	921	12.7	5066.1
29/10/2019 07:26	5.7	9.6	1022.3	921.1	12.7	5065.7
29/10/2019 07:41	5.7	9.8	1022.3	921.2	12.7	5065.2
29/10/2019 07:56	5.7	9.9	1022.2	921.1	12.7	5065.7
29/10/2019 08:11	5.7	10.2	1022.6	921.2	12.7	5065.2
29/10/2019 08:26	5.7	11.2	1022.7	921.3	12.7	5064.8
29/10/2019 08:41	5.7	11.9	1022.8	921.3	12.7	5064.8
29/10/2019 08:56	5.7	12.5	1023	921.3	12.7	5064.8
29/10/2019 09:11	5.7	12.9	1023	921.4	12.7	5064.3
29/10/2019 09:26	5.7	13.4	1023	921.4	12.7	5064.3
29/10/2019 09:41	5.7	13.3	1023.1	921.4	12.7	5064.3
29/10/2019 09:56	5.7	13	1023	921.4	12.7	5063.9
29/10/2019 10:11	5.7	14	1023.3	921.5	12.7	5063.4
29/10/2019 10:26	5.7	13.6	1023.3	921.5	12.7	5063.4
29/10/2019 10:41	5.7	14.4	1023.5	921.6	12.7	5063
29/10/2019 10:56	5.7	15.5	1023.8	921.6	12.7	5063
29/10/2019 11:11	5.7	16.3	1023.4	921.5	12.7	5063.4
29/10/2019 11:26	5.7	17	1023.7	921.5	12.7	5063.4
29/10/2019 11:41	5.7	17.4	1023.8	922.2	12.7	5060.3
29/10/2019 11:56	5.7	16.7	1023.9	921.6	12.7	5063
29/10/2019 12:11	5.7	15.6	1023.8	921.5	12.7	5063.4
29/10/2019 12:26	5.7	14.1	1023.9	921.5	12.7	5063.4
29/10/2019 12:41	5.7	13.3	1023.7	921.6	12.7	5063
29/10/2019 12:56	5.7	13.9	1023.4	921.5	12.7	5063.4
29/10/2019 13:11	5.7	15.2	1023.4	921.4	12.7	5063.9
29/10/2019 13:26	5.7	16.7	1023.3	921.4	12.7	5064.3
29/10/2019 13:41	5.7	15.4	1023.7	921.4	12.7	5064.3
29/10/2019 13:56	5.7	14.1	1023.6	921.3	12.7	5064.8
29/10/2019 14:11	5.7	14.1	1023.4	921.2	12.7	5065.2
29/10/2019 14:26	5.7	14.3	1023.2	921.2	12.7	5065.2
29/10/2019 14:41	5.7	14.3	1023.2	921.2	12.7	5065.2
29/10/2019 14:56	5.7	14.6	1023.6	921.1	12.7	5065.7
29/10/2019 15:11	5.7	16	1023.4	921	12.7	5066.1
29/10/2019 15:26	5.7	16.7	1023.5	921	12.7	5066.1
29/10/2019 15:41	5.7	15.5	1023.3	920.9	12.7	5066.6
29/10/2019 15:56	5.7	13.9	1023.3	920.9	12.7	5066.6
29/10/2019 16:11	5.7	13.1	1023.1	920.9	12.7	5066.6
29/10/2019 16:26	5.7	13.7	1023.3	920.7	12.7	5067.5
29/10/2019 16:41	5.7	13.6	1023.2	920.7	12.7	5067.5
29/10/2019 16:56	5.7	12.8	1023.4	920.6	12.7	5067.9
29/10/2019 17:11	5.7	12.2	1023.7	920.6	12.7	5067.9
29/10/2019 17:26	5.7	11.8	1023.6	920.5	12.7	5068.4
29/10/2019 17:41	5.7	11.5	1023.9	920.5	12.7	5068.4
29/10/2019 17:56	5.7	11.3	1023.8	920.5	12.7	5068.4
29/10/2019 18:11	5.7	11.2	1023.8	920.5	12.7	5068.4
29/10/2019 18:26	5.7	11.1	1023.8	920.5	12.7	5068.4

29/10/2019 18:41	5.7	11.1	1024.1	920.5	12.7	5068.4
29/10/2019 18:56	5.7	11.1	1024.3	920.6	12.7	5067.9
29/10/2019 19:11	5.7	11.1	1024.3	920.7	12.7	5067.5
29/10/2019 19:26	5.7	11	1024.2	920.7	12.7	5067.5
29/10/2019 19:41	5.7	11	1024.2	920.9	12.7	5066.6
29/10/2019 19:56	5.7	11	1024.3	920.9	12.7	5066.6
29/10/2019 20:11	5.7	11	1024.2	921	12.7	5066.1
29/10/2019 20:26	5.7	11.1	1024.1	920.9	12.7	5066.6
29/10/2019 20:41	5.7	11.2	1024.4	921.1	12.7	5065.7
29/10/2019 20:56	5.7	11.2	1024.3	921.1	12.7	5065.7
29/10/2019 21:11	5.7	11.1	1024.6	921.1	12.7	5065.7
29/10/2019 21:26	5.7	11.1	1024.6	921.1	12.7	5065.7
29/10/2019 21:41	5.7	11	1024.3	921.2	12.7	5065.2
29/10/2019 21:56	5.7	11.1	1024.5	921.2	12.7	5065.2
29/10/2019 22:11	5.7	11.4	1024.8	921.2	12.7	5065.2
29/10/2019 22:26	5.7	11.3	1024.6	921.3	12.7	5064.8
29/10/2019 22:41	5.7	11.1	1024.3	921.3	12.7	5064.8
29/10/2019 22:56	5.7	11	1024.4	921.3	12.7	5064.8
29/10/2019 23:11	5.7	11	1024.6	921.4	12.7	5064.3
29/10/2019 23:26	5.7	11	1024.6	921.4	12.7	5064.3
29/10/2019 23:41	5.7	11	1024.4	921.4	12.7	5064.3
29/10/2019 23:56	5.7	10.9	1024.3	921.4	12.7	5064.3
30/10/2019 00:11	5.7	10.9	1024.6	921.4	12.7	5064.3
30/10/2019 00:26	5.7	11	1024.7	921.3	12.7	5064.8
30/10/2019 00:41	5.7	10.9	1024.3	921.4	12.7	5064.3
30/10/2019 00:56	5.7	10.8	1024.5	921.3	12.7	5064.8
30/10/2019 01:11	5.7	11	1024.8	921.2	12.7	5065.2
30/10/2019 01:26	5.7	11	1024.7	921.2	12.7	5065.2
30/10/2019 01:41	5.7	11	1024.5	921.1	12.7	5065.7
30/10/2019 01:56	5.7	10.9	1024.4	921.1	12.7	5065.7
30/10/2019 02:11	5.7	10.9	1024.2	921	12.7	5066.1
30/10/2019 02:26	5.7	10.8	1024.3	920.9	12.7	5066.6
30/10/2019 02:41	5.7	10.8	1024.3	920.8	12.7	5067
30/10/2019 02:56	5.7	10.8	1024.2	920.7	12.7	5067.5
30/10/2019 03:11	5.7	10.8	1023.9	920.6	12.7	5067.9
30/10/2019 03:26	5.7	10.8	1024	920.6	12.7	5067.9
30/10/2019 03:41	5.7	10.8	1023.8	920.5	12.7	5068.4
30/10/2019 03:56	5.7	10.7	1024	920.5	12.7	5068.4
30/10/2019 04:11	5.7	10.7	1024	920.4	12.7	5068.8
30/10/2019 04:26	5.7	10.6	1023.8	920.4	12.7	5068.8
30/10/2019 04:41	5.7	10.7	1023.5	920.4	12.7	5068.8
30/10/2019 04:56	5.7	10.9	1024.1	920.3	12.7	5069.3
30/10/2019 05:11	5.7	10.8	1024	920.3	12.7	5069.3
30/10/2019 05:26	5.7	10.7	1023.6	920.2	12.7	5069.7
30/10/2019 05:41	5.7	10.7	1023.7	920.3	12.7	5069.3
30/10/2019 05:56	5.7	10.7	1023.8	920.2	12.7	5069.7
30/10/2019 06:11	5.7	10.6	1023.8	920.3	12.7	5069.3
30/10/2019 06:26	5.7	10.6	1023.7	920.2	12.7	5069.7
30/10/2019 06:41	5.7	10.5	1023.9	920.2	12.7	5069.7
30/10/2019 06:56	5.7	10.5	1023.9	920.3	12.7	5069.3

30/10/2019 07:11	5.7	10.3	1023.7	920.3	12.7	5069.3
30/10/2019 07:26	5.7	10.1	1024.1	920.5	12.7	5068.4
30/10/2019 07:41	5.7	10	1024.5	920.5	12.7	5068.4
30/10/2019 07:56	5.7	9.9	1024.3	920.6	12.7	5067.9
30/10/2019 08:11	5.7	10.1	1024.5	920.7	12.7	5067.5
30/10/2019 08:26	5.7	10.3	1024.2	920.7	12.7	5067.5
30/10/2019 08:41	5.7	10.8	1024.6	920.8	12.7	5067
30/10/2019 08:56	5.7	11.3	1024.4	920.9	12.7	5066.6
30/10/2019 09:11	5.7	11.5	1024.5	920.9	12.7	5066.6
30/10/2019 09:26	5.7	12.3	1024.6	921.1	12.7	5065.7
30/10/2019 09:41	5.7	12.8	1024.5	921.2	12.7	5065.2
30/10/2019 09:56	5.7	12.7	1024.4	921.1	12.7	5065.7
30/10/2019 10:11	5.7	12.6	1024.3	921.3	12.7	5064.8
30/10/2019 10:26	5.7	12.5	1024.3	921.3	12.7	5064.8
30/10/2019 10:41	5.7	13.1	1024.7	921.3	12.7	5064.8
30/10/2019 10:56	5.7	13.1	1024.7	921.3	12.7	5064.8
30/10/2019 11:11	5.7	13.7	1024.4	921.4	12.7	5064.3
30/10/2019 11:26	5.7	13.7	1024.5	921.5	12.7	5063.4
30/10/2019 11:41	5.7	15.3	1024.3	921.4	12.7	5064.3
30/10/2019 11:56	5.7	14.7	1024.3	921.4	12.7	5064.3
30/10/2019 12:11	5.7	14.4	1024.5	921.4	12.7	5064.3
30/10/2019 12:26	5.7	14.6	1024.2	921.4	12.7	5064.3
30/10/2019 12:41	5.7	14.8	1023.9	921.3	12.7	5064.8
30/10/2019 12:56	5.7	15.4	1023.8	921.4	12.7	5064.3
30/10/2019 13:11	5.7	16	1023.7	921.3	12.7	5064.8
30/10/2019 13:26	5.7	16.5	1023.3	921.4	12.7	5064.3
30/10/2019 13:41	5.7	15.5	1023	921.3	12.7	5064.8
30/10/2019 13:56	5.7	15.3	1023.3	921.4	12.7	5064.3
30/10/2019 14:11	5.7	14.4	1023.2	921.3	12.7	5064.8
30/10/2019 14:26	5.7	14	1023.1	921.2	12.7	5065.2
30/10/2019 14:41	5.7	13.7	1023.3	921.1	12.7	5065.7
30/10/2019 14:56	5.7	13.3	1023	921	12.7	5066.1
30/10/2019 15:11	5.7	12.8	1022.9	921	12.7	5066.1
30/10/2019 15:26	5.7	12.4	1023.2	920.9	12.7	5066.6
30/10/2019 15:41	5.7	12.5	1022.9	920.8	12.7	5067
30/10/2019 15:56	5.7	12.3	1022.5	920.8	12.7	5067
30/10/2019 16:11	5.7	12	1022.8	920.7	12.7	5067.5
30/10/2019 16:26	5.7	11.6	1022.4	920.6	12.7	5067.9
30/10/2019 16:41	5.7	11.3	1022.3	920.5	12.7	5068.4
30/10/2019 16:56	5.7	11	1021.9	920.5	12.7	5068.4
30/10/2019 17:11	5.7	10.7	1022	920.5	12.7	5068.4
30/10/2019 17:26	5.7	10.5	1021.8	920.5	12.7	5068.4
30/10/2019 17:41	5.7	10.4	1021.9	920.4	12.7	5068.8
30/10/2019 17:56	5.7	10.3	1021.6	920.4	12.7	5068.8
30/10/2019 18:11	5.7	10.3	1022	920.3	12.7	5069.3
30/10/2019 18:26	5.7	10.3	1022.2	920.3	12.7	5069.3
30/10/2019 18:41	5.7	10.3	1022.3	920.3	12.7	5069.3
30/10/2019 18:56	5.7	10.3	1022	920.3	12.7	5069.3
30/10/2019 19:11	5.7	10.3	1022.4	920.4	12.7	5068.8
30/10/2019 19:26	5.7	10.4	1022.1	920.4	12.7	5068.8

30/10/2019 19:41	5.7	10.4	1022.1	920.4	12.7	5068.8
30/10/2019 19:56	5.7	10.4	1021.8	920.5	12.7	5068.4
30/10/2019 20:11	5.7	10.4	1021.8	920.6	12.7	5067.9
30/10/2019 20:26	5.7	10.5	1021.9	920.6	12.7	5067.9
30/10/2019 20:41	5.7	10.5	1021.8	920.7	12.7	5067.5
30/10/2019 20:56	5.7	10.6	1021.8	920.7	12.7	5067.5
30/10/2019 21:11	5.7	10.7	1021.8	920.7	12.7	5067.5
30/10/2019 21:26	5.7	10.7	1021.9	920.7	12.7	5067.5
30/10/2019 21:41	5.7	10.7	1022	920.8	12.7	5067
30/10/2019 21:56	5.7	10.7	1022	920.8	12.7	5067
30/10/2019 22:11	5.7	10.7	1021.9	920.9	12.7	5066.6
30/10/2019 22:26	5.7	10.6	1022.1	920.9	12.7	5066.6
30/10/2019 22:41	5.7	10.7	1021.8	920.9	12.7	5066.6
30/10/2019 22:56	5.7	10.6	1021.7	920.9	12.7	5066.6
30/10/2019 23:11	5.7	10.6	1021.6	921	12.7	5066.1
30/10/2019 23:26	5.7	10.4	1021.6	921	12.7	5066.1
30/10/2019 23:41	5.7	10.3	1021.3	921	12.7	5066.1
30/10/2019 23:56	5.7	10.2	1021.4	921.1	12.7	5065.7
31/10/2019 00:11	5.7	10.1	1021.1	921.1	12.7	5065.7
31/10/2019 00:26	5.7	10.1	1021.4	921.1	12.7	5065.7
31/10/2019 00:41	5.7	10.1	1020.9	921	12.7	5066.1
31/10/2019 00:56	5.7	10.1	1021	921.1	12.7	5065.7
31/10/2019 01:11	5.7	10	1020.6	921	12.7	5066.1
31/10/2019 01:26	5.7	9.9	1020.8	920.9	12.7	5066.6
31/10/2019 01:41	5.7	9.9	1020.4	921	12.7	5066.1
31/10/2019 01:56	5.7	9.9	1020.3	920.9	12.7	5066.6
31/10/2019 02:11	5.7	9.9	1020.4	921	12.7	5066.1
31/10/2019 02:26	5.7	9.9	1020.3	920.9	12.7	5066.6
31/10/2019 02:41	5.7	9.8	1019.9	920.8	12.7	5067
31/10/2019 02:56	5.7	9.7	1019.8	920.7	12.7	5067.5
31/10/2019 03:11	5.7	9.7	1019.4	920.7	12.7	5067.5
31/10/2019 03:26	5.7	9.6	1019.6	920.6	12.7	5067.9
31/10/2019 03:41	5.7	9.6	1019.3	920.5	12.7	5068.4
31/10/2019 03:56	5.7	9.6	1019.7	920.5	12.7	5068.4
31/10/2019 04:11	5.7	9.6	1019.4	920.4	12.7	5068.8
31/10/2019 04:26	5.7	9.6	1019.1	920.3	12.7	5069.3
31/10/2019 04:41	5.7	9.6	1019.4	920.3	12.7	5069.3
31/10/2019 04:56	5.7	9.6	1019.3	920.3	12.7	5069.3
31/10/2019 05:11	5.7	9.6	1019.2	920.3	12.7	5069.3
31/10/2019 05:26	5.7	9.6	1019.1	920.2	12.7	5069.7
31/10/2019 05:41	5.7	9.6	1019.2	920.2	12.7	5069.7
31/10/2019 05:56	5.7	9.6	1019	920.2	12.7	5069.7
31/10/2019 06:11	5.7	9.7	1019	920.1	12.7	5070.2
31/10/2019 06:26	5.7	9.8	1018.8	920.1	12.7	5070.2
31/10/2019 06:41	5.7	9.9	1018.8	920	12.7	5070.6
31/10/2019 06:56	5.7	9.9	1019	920.1	12.7	5070.2
31/10/2019 07:11	5.7	9.9	1019	920.1	12.7	5070.2
31/10/2019 07:26	5.7	9.9	1018.7	920.1	12.7	5070.2
31/10/2019 07:41	5.7	9.9	1018.7	920.1	12.7	5070.2
31/10/2019 07:56	5.7	9.9	1018.9	920.3	12.7	5069.3

31/10/2019 08:11	5.7	9.9	1018.7	920.3	12.7	5069.3
31/10/2019 08:26	5.7	10.1	1019.2	920.4	12.7	5068.8
31/10/2019 08:41	5.7	10.3	1019.2	920.5	12.7	5068.4
31/10/2019 08:56	5.7	10.4	1019.1	920.5	12.7	5068.4
31/10/2019 09:11	5.7	10.7	1019.4	920.1	12.7	5070.2
31/10/2019 09:26	5.7	11.1	1019.2	919.9	12.7	5071.1
31/10/2019 09:41	5.7	11.9	1019.2	919.9	12.7	5071.1
31/10/2019 09:56	5.7	11.9	1018.8	919.8	12.7	5071.5
31/10/2019 10:11	5.7	12.7	1019.1	919.8	12.7	5071.5
31/10/2019 10:26	5.7	13.3	1018.7	919.9	12.7	5071.1
31/10/2019 10:41	5.7	13.5	1019	919.9	12.7	5071.1
31/10/2019 10:56	5.7	13.5	1018.7	919.9	12.7	5071.1
31/10/2019 11:11	5.7	13.6	1018.8	919.8	12.7	5071.5
31/10/2019 11:26	5.7	14.3	1018.8	919.8	12.7	5071.5
31/10/2019 11:41	5.7	14.1	1018.7	919.8	12.7	5071.5
31/10/2019 11:56	5.7	14.3	1018.7	919.8	12.7	5071.5
31/10/2019 12:11	5.7	14.2	1018.2	919.8	12.7	5072
31/10/2019 12:26	5.7	14.4	1018.5	919.8	12.7	5072
31/10/2019 12:41	5.7	15.4	1018.3	919.8	12.7	5072
31/10/2019 12:56	5.7	15.7	1018.3	919.8	12.7	5072
31/10/2019 13:11	5.7	16.1	1018	919.8	12.7	5072
31/10/2019 13:26	5.7	16	1017.8	919.7	12.7	5072.4
31/10/2019 13:41	5.7	16	1017.9	919.6	12.7	5072.9
31/10/2019 13:56	5.7	15.6	1017.6	919.5	12.7	5073.3
31/10/2019 14:11	5.7	15.7	1017.7	919.6	12.7	5072.9
31/10/2019 14:26	5.7	15.8	1017.7	919.5	12.7	5073.3
31/10/2019 14:41	5.7	14.8	1017.3	919.5	12.7	5073.3
31/10/2019 14:56	5.7	14.2	1017.1	919.3	12.7	5074.2
31/10/2019 15:11	5.7	13.8	1017.4	919.1	12.7	5075.1
31/10/2019 15:26	5.7	13.7	1017.1	919	12.7	5075.6
31/10/2019 15:41	5.7	13.4	1017.1	918.8	12.7	5076.5
31/10/2019 15:56	5.7	12.8	1016.8	918.7	12.7	5076.9
31/10/2019 16:11	5.7	12.3	1016.7	918.5	12.7	5077.8
31/10/2019 16:26	5.7	11.9	1016.3	918.5	12.7	5077.8
31/10/2019 16:41	5.7	11.6	1016.4	918.5	12.7	5077.8
31/10/2019 16:56	5.7	11.4	1016.1	918.3	12.7	5078.7
31/10/2019 17:11	5.7	11.2	1016	918.5	12.7	5077.8
31/10/2019 17:26	5.7	10.8	1016.1	919.1	12.7	5075.1
31/10/2019 17:41	5.7	10.6	1016	919.5	12.7	5073.3
31/10/2019 17:56	5.7	10.4	1016	919.6	12.7	5072.9
31/10/2019 18:11	5.7	10.2	1016	919.6	12.7	5072.9
31/10/2019 18:26	5.7	10.1	1015.6	919.8	12.7	5072
31/10/2019 18:41	5.7	10.1	1015.7	919.8	12.7	5072
31/10/2019 18:56	5.7	10.1	1015.6	919.8	12.7	5072
31/10/2019 19:11	5.7	10	1015.5	919.8	12.7	5072
31/10/2019 19:26	5.7	9.9	1015.5	919.8	12.7	5072
31/10/2019 19:41	5.7	9.8	1015.5	919.8	12.7	5072
31/10/2019 19:56	5.7	9.8	1015.1	919.8	12.7	5071.5
31/10/2019 20:11	5.7	9.7	1015	919.8	12.7	5071.5
31/10/2019 20:26	5.7	9.6	1014.7	919.9	12.7	5071.1

31/10/2019 20:41	5.7	9.6	1014.8	919.8	12.7	5071.5
31/10/2019 20:56	5.7	9.6	1014.8	919.9	12.7	5071.1
31/10/2019 21:11	5.7	9.6	1014.5	919.9	12.7	5071.1
31/10/2019 21:26	5.7	9.6	1014.2	919.9	12.7	5071.1
31/10/2019 21:41	5.7	9.6	1014.2	919.9	12.7	5071.1
31/10/2019 21:56	5.7	9.8	1013.9	919.9	12.7	5071.1
31/10/2019 22:11	5.7	10.1	1013.7	919.9	12.7	5071.1
31/10/2019 22:26	5.7	10.3	1013.7	919.9	12.7	5071.1
31/10/2019 22:41	5.7	10.4	1013.3	919.9	12.7	5071.1
31/10/2019 22:56	5.7	10.6	1013	919.9	12.7	5071.1
31/10/2019 23:11	5.7	10.7	1013.1	920	12.7	5070.6
31/10/2019 23:26	5.7	10.7	1012.7	920	12.7	5070.6
31/10/2019 23:41	5.7	10.8	1012.6	920	12.7	5070.6
31/10/2019 23:56	5.7	10.8	1012	920	12.7	5070.6
01/11/2019 00:11	5.7	10.8	1011.7	920.1	12.7	5070.2
01/11/2019 00:26	5.7	10.8	1011.6	920.1	12.7	5070.2
01/11/2019 00:41	5.7	10.8	1011.4	920	12.7	5070.6
01/11/2019 00:56	5.7	10.8	1011	920.1	12.7	5070.2
01/11/2019 01:11	5.7	10.9	1010.8	920.1	12.7	5070.2
01/11/2019 01:26	5.7	10.9	1010.6	920.1	12.7	5070.2
01/11/2019 01:41	5.7	10.9	1010.3	920	12.7	5070.6
01/11/2019 01:56	5.7	10.9	1010	920	12.7	5070.6
01/11/2019 02:11	5.7	10.9	1009.9	920	12.7	5070.6
01/11/2019 02:26	5.7	10.9	1009.9	920	12.7	5070.6
01/11/2019 02:41	5.7	10.9	1009.5	920	12.7	5070.6
01/11/2019 02:56	5.7	10.8	1009.1	920	12.7	5070.6
01/11/2019 03:11	5.7	10.8	1008.7	920	12.7	5070.6
01/11/2019 03:26	5.7	10.8	1008.7	919.9	12.7	5071.1
01/11/2019 03:41	5.7	10.7	1008.3	919.9	12.7	5071.1
01/11/2019 03:56	5.7	10.7	1007.6	919.9	12.7	5071.1
01/11/2019 04:11	5.7	10.8	1007.6	919.9	12.7	5071.1
01/11/2019 04:26	5.7	10.8	1007.1	919.8	12.7	5071.5
01/11/2019 04:41	5.7	10.7	1006.9	919.8	12.7	5071.5
01/11/2019 04:56	5.7	10.6	1006.6	919.9	12.7	5071.1
01/11/2019 05:11	5.7	10.5	1006	919.9	12.7	5071.1
01/11/2019 05:26	5.7	10.5	1005.4	919.8	12.7	5071.5
01/11/2019 05:41	5.7	10.5	1005.2	919.8	12.7	5071.5
01/11/2019 05:56	5.7	10.6	1005	919.8	12.7	5072
01/11/2019 06:11	5.7	10.8	1004.7	919.8	12.7	5071.5
01/11/2019 06:26	5.7	10.9	1004.4	919.8	12.7	5072
01/11/2019 06:41	5.7	11	1003.9	919.7	12.7	5072.4
01/11/2019 06:56	5.7	11.1	1003.5	919.8	12.7	5072
01/11/2019 07:11	5.7	11.1	1003.3	919.8	12.7	5072
01/11/2019 07:26	5.7	11.1	1003.3	919.8	12.7	5072
01/11/2019 07:41	5.7	11.1	1003	919.8	12.7	5072
01/11/2019 07:56	5.7	11.2	1002.4	919.7	12.7	5072.4
01/11/2019 08:11	5.7	11.3	1002.4	919.7	12.7	5072.4
01/11/2019 08:26	5.7	11.4	1002.1	919.7	12.7	5072.4
01/11/2019 08:41	5.7	11.5	1002.3	919.7	12.7	5072.4
01/11/2019 08:56	5.7	11.6	1002	919.8	12.7	5072

01/11/2019 09:11	5.7	11.8	1001.4	919.8	12.7	5072
01/11/2019 09:26	5.7	11.9	1001.3	919.8	12.7	5072
01/11/2019 09:41	5.7	12	1001.1	919.8	12.7	5071.5
01/11/2019 09:56	5.7	12.1	1000.7	919.7	12.7	5072.4
01/11/2019 10:11	5.7	12.2	1000.3	919.6	12.7	5072.9
01/11/2019 10:26	5.7	12.4	999.9	919.6	12.7	5072.9
01/11/2019 10:41	5.7	12.5	999.6	919.8	12.7	5072
01/11/2019 10:56	5.7	12.7	999.2	919.8	12.7	5071.5
01/11/2019 11:11	5.7	13	999	919.8	12.7	5071.5
01/11/2019 11:26	5.7	13.1	998.8	919.8	12.7	5071.5
01/11/2019 11:41	5.7	13.1	998.3	919.9	12.7	5071.1
01/11/2019 11:56	5.7	13.2	997.8	919.9	12.7	5071.1
01/11/2019 12:11	5.7	13.2	997.5	919.9	12.7	5071.1
01/11/2019 12:26	5.7	13.1	997.2	919.9	12.7	5071.1
01/11/2019 12:41	5.7	13.2	996.4	919.9	12.7	5071.1
01/11/2019 12:56	5.7	13.2	996	919.9	12.7	5071.1
01/11/2019 13:11	5.7	13.1	996	919.9	12.7	5071.1
01/11/2019 13:26	5.7	13.1	995.6	919.9	12.7	5071.1
01/11/2019 13:41	5.7	13	995.2	920	12.7	5070.6
01/11/2019 13:56	5.7	12.9	994.9	919.9	12.7	5071.1
01/11/2019 14:11	5.7	12.9	994.6	919.9	12.7	5071.1
01/11/2019 14:26	5.7	12.9	994.2	919.9	12.7	5071.1
01/11/2019 14:41	5.7	13	993.6	919.9	12.7	5071.1
01/11/2019 14:56	5.7	13.2	993.5	919.9	12.7	5071.1
01/11/2019 15:11	5.7	13.3	993.3	919.8	12.7	5071.5
01/11/2019 15:26	5.7	13.4	992.9	919.9	12.7	5071.1
01/11/2019 15:41	5.7	13.5	993	919.9	12.7	5071.1
01/11/2019 15:56	5.7	13.7	992.5	919.9	12.7	5071.1
01/11/2019 16:11	5.7	13.8	992.4	919.8	12.7	5071.5
01/11/2019 16:26	5.7	13.8	991.8	919.8	12.7	5071.5
01/11/2019 16:41	5.7	13.8	991.5	919.8	12.7	5072
01/11/2019 16:56	5.7	13.8	991.4	919.8	12.7	5072
01/11/2019 17:11	5.7	13.8	991.2	919.8	12.7	5072
01/11/2019 17:26	5.7	13.9	991.1	919.8	12.7	5072
01/11/2019 17:41	5.7	13.9	990.8	919.8	12.7	5072
01/11/2019 17:56	5.7	13.9	990.7	919.7	12.7	5072.4
01/11/2019 18:11	5.7	13.9	990.6	919.8	12.7	5072
01/11/2019 18:26	5.7	13.9	990.4	919.6	12.7	5072.9
01/11/2019 18:41	5.7	13.8	990.2	919.6	12.7	5072.9
01/11/2019 18:56	5.7	13.7	989.8	919.6	12.7	5072.9
01/11/2019 19:11	5.7	13.6	989.6	919.6	12.7	5072.9
01/11/2019 19:26	5.7	13.4	989.7	919.5	12.7	5073.3
01/11/2019 19:41	5.7	13.3	989.4	919.5	12.7	5073.3
01/11/2019 19:56	5.7	13.1	989.4	919.4	12.7	5073.8
01/11/2019 20:11	5.7	12.9	988.9	919.5	12.7	5073.3
01/11/2019 20:26	5.7	12.8	988.5	919.5	12.7	5073.3
01/11/2019 20:41	5.7	12.8	988.4	919.5	12.7	5073.3
01/11/2019 20:56	5.7	12.9	988.1	919.6	12.7	5072.9
01/11/2019 21:11	5.7	13	987.8	919.6	12.7	5072.9
01/11/2019 21:26	5.7	13.2	987.7	919.7	12.7	5072.4

01/11/2019 21:41	5.7	13.4	987.3	919.7	12.7	5072.4
01/11/2019 21:56	5.7	13.5	987.3	919.8	12.7	5072
01/11/2019 22:11	5.7	13.5	987.1	919.7	12.7	5072.4
01/11/2019 22:26	5.7	13.7	986.5	919.7	12.7	5072.4
01/11/2019 22:41	5.7	13.8	986.4	919.7	12.7	5072.4
01/11/2019 22:56	5.7	13.9	985.8	919.8	12.7	5072
01/11/2019 23:11	5.7	14	985.8	919.8	12.7	5072
01/11/2019 23:26	5.7	14	985.5	919.8	12.7	5072
01/11/2019 23:41	5.7	13.9	985.4	919.8	12.7	5072
01/11/2019 23:56	5.7	13.9	984.8	919.8	12.7	5072
02/11/2019 00:11	5.7	14	985.2	919.8	12.7	5072
02/11/2019 00:26	5.7	14.1	984.7	919.8	12.7	5071.5
02/11/2019 00:41	5.7	14.1	984	919.8	12.7	5071.5
02/11/2019 00:56	5.7	14.2	984.2	919.8	12.7	5071.5
02/11/2019 01:11	5.7	14.2	983.6	919.8	12.7	5071.5
02/11/2019 01:26	5.7	14.1	983.3	919.8	12.7	5072
02/11/2019 01:41	5.7	14.1	983.1	919.8	12.7	5071.5
02/11/2019 01:56	5.7	14	982.8	919.8	12.7	5071.5
02/11/2019 02:11	5.7	14.1	982.5	919.8	12.7	5071.5
02/11/2019 02:26	5.7	14.1	982.5	919.8	12.7	5071.5
02/11/2019 02:41	5.7	14	981.8	919.8	12.7	5071.5
02/11/2019 02:56	5.7	13.9	982	919.8	12.7	5071.5
02/11/2019 03:11	5.7	13.7	981.9	919.8	12.7	5072
02/11/2019 03:26	5.7	13.6	982	919.8	12.7	5071.5
02/11/2019 03:41	5.7	13.6	982.1	919.8	12.7	5072
02/11/2019 03:56	5.7	13.7	982.1	919.8	12.7	5072
02/11/2019 04:11	5.7	13.7	982	919.8	12.7	5072
02/11/2019 04:26	5.7	13.6	981.8	919.8	12.7	5072
02/11/2019 04:41	5.7	13.4	982.1	919.7	12.7	5072.4
02/11/2019 04:56	5.7	13.1	981.8	919.5	12.7	5073.3
02/11/2019 05:11	5.7	13	982	919.5	12.7	5073.3
02/11/2019 05:26	5.7	13	981.7	919.4	12.7	5073.8
02/11/2019 05:41	5.7	12.9	982	919.4	12.7	5073.8
02/11/2019 05:56	5.7	12.7	981.9	919.4	12.7	5073.8
02/11/2019 06:11	5.7	12.7	981.7	919.3	12.7	5074.2
02/11/2019 06:26	5.7	12.6	981.7	919.3	12.7	5074.2
02/11/2019 06:41	5.7	12.5	981.5	919.3	12.7	5074.2
02/11/2019 06:56	5.7	12.4	981.6	919.2	12.7	5074.7
02/11/2019 07:11	5.7	12.3	981.4	919.2	12.7	5074.7
02/11/2019 07:26	5.7	12.2	981	919.2	12.7	5074.7
02/11/2019 07:41	5.7	12.1	981.1	919.1	12.7	5075.1
02/11/2019 07:56	5.7	12	981.5	918.9	12.7	5076
02/11/2019 08:11	5.7	11.9	981.6	919.1	12.7	5075.1
02/11/2019 08:26	5.7	11.8	981.2	919.1	12.7	5075.1
02/11/2019 08:41	5.7	11.7	981.3	919.1	12.7	5075.1
02/11/2019 08:56	5.7	11.7	981.9	919.2	12.7	5074.7
02/11/2019 09:11	5.7	11.6	981.6	919.2	12.7	5074.7
02/11/2019 09:26	5.7	11.6	981.4	919.3	12.7	5074.2
02/11/2019 09:41	5.7	12.1	981	919.3	12.7	5074.2
02/11/2019 09:56	5.7	13.7	980.8	919.3	12.7	5074.2

02/11/2019 10:11	5.6	15.2	980.6	919.3	12.7	5074.2
02/11/2019 10:26	5.6	16.2	980.6	919.4	12.7	5073.8
02/11/2019 10:41	5.6	16.3	980.1	919.4	12.7	5073.8
02/11/2019 10:56	5.7	15.6	979.9	919.4	12.7	5073.8
02/11/2019 11:11	5.7	15.1	979.7	919.6	12.7	5072.9
02/11/2019 11:26	5.7	14.3	979.2	919.5	12.7	5073.3
02/11/2019 11:41	5.7	13.6	978.5	919.6	12.7	5072.9
02/11/2019 11:56	5.7	13	977.9	919.5	12.7	5073.3
02/11/2019 12:11	5.7	12.6	977.6	919.6	12.7	5072.9
02/11/2019 12:26	5.7	11.9	977.5	919.6	12.7	5072.9
02/11/2019 12:41	5.7	11.5	976.3	919.6	12.7	5072.9
02/11/2019 12:56	5.7	11.6	975.5	919.7	12.7	5072.4
02/11/2019 13:11	5.7	11.7	975.2	919.5	12.7	5073.3
02/11/2019 13:26	5.7	11.6	974.3	919.7	12.7	5072.4
02/11/2019 13:41	5.7	11.7	974.5	919.7	12.7	5072.4
02/11/2019 13:56	5.7	11.8	974	919.7	12.7	5072.4
02/11/2019 14:11	5.7	12	973.7	919.8	12.7	5072
02/11/2019 14:26	5.7	12.3	973.7	919.8	12.7	5072
02/11/2019 14:41	5.7	12.6	974	919.7	12.7	5072.4
02/11/2019 14:56	5.7	12.9	973.6	919.6	12.7	5072.9
02/11/2019 15:11	5.7	13.2	973.6	919.6	12.7	5072.9
02/11/2019 15:26	5.7	13.7	973.4	919.6	12.7	5072.9
02/11/2019 15:41	5.7	13.8	973.7	919.5	12.7	5073.3
02/11/2019 15:56	5.7	14.2	973.7	919.5	12.7	5073.3
02/11/2019 16:11	5.7	14	973.7	919.5	12.7	5073.3
02/11/2019 16:26	5.7	13.7	973.8	919.3	12.7	5074.2
02/11/2019 16:41	5.7	13.4	974	919.3	12.7	5074.2
02/11/2019 16:56	5.7	13.1	974.2	919.3	12.7	5074.2
02/11/2019 17:11	5.7	12.7	974.4	919.2	12.7	5074.7
02/11/2019 17:26	5.7	12.4	974	919.1	12.7	5075.1
02/11/2019 17:41	5.7	12.2	974.2	919.1	12.7	5075.1
02/11/2019 17:56	5.7	12.1	974.1	919.1	12.7	5075.1
02/11/2019 18:11	5.7	12.2	974.1	919	12.7	5075.6
02/11/2019 18:26	5.7	12.2	974.3	919	12.7	5075.6
02/11/2019 18:41	5.7	12.3	974.4	918.9	12.7	5076
02/11/2019 18:56	5.7	12.1	974.6	919	12.7	5075.6
02/11/2019 19:11	5.7	11.9	974.8	918.9	12.7	5076
02/11/2019 19:26	5.7	11.7	974.7	918.7	12.7	5076.9
02/11/2019 19:41	5.7	11.4	974.9	918.8	12.7	5076.5
02/11/2019 19:56	5.7	11.2	975.3	918.7	12.7	5076.9
02/11/2019 20:11	5.7	11.2	975.4	918.8	12.7	5076.5
02/11/2019 20:26	5.7	11.3	975.2	918.7	12.7	5076.9
02/11/2019 20:41	5.7	11.4	975.3	918.7	12.7	5076.9
02/11/2019 20:56	5.7	11.6	975.5	918.7	12.7	5076.9
02/11/2019 21:11	5.7	11.6	975.8	918.8	12.7	5076.5
02/11/2019 21:26	5.7	11.6	975.7	918.9	12.7	5076
02/11/2019 21:41	5.7	11.3	976	918.8	12.7	5076.5
02/11/2019 21:56	5.7	11.2	976	918.9	12.7	5076
02/11/2019 22:11	5.7	11.2	975.8	918.9	12.7	5076
02/11/2019 22:26	5.7	11.2	976	918.9	12.7	5076

02/11/2019 22:41	5.7	11.1	976	918.9	12.7	5076
02/11/2019 22:56	5.7	10.9	976.1	919	12.7	5075.6
02/11/2019 23:11	5.7	10.8	975.9	919.1	12.7	5075.1
02/11/2019 23:26	5.7	10.6	976	919.2	12.7	5074.7
02/11/2019 23:41	5.7	10.5	976.3	919.1	12.7	5075.1
02/11/2019 23:56	5.7	10.6	976.1	919.3	12.7	5074.2
03/11/2019 00:11	5.7	10.6	976	919.3	12.7	5074.2
03/11/2019 00:26	5.7	10.5	976.1	919.4	12.7	5073.8
03/11/2019 00:41	5.7	10.5	976.1	919.4	12.7	5073.8
03/11/2019 00:56	5.7	10.4	976.2	919.5	12.7	5073.3
03/11/2019 01:11	5.7	10.3	976	919.4	12.7	5073.8
03/11/2019 01:26	5.7	10.2	976	919.5	12.7	5073.3
03/11/2019 01:41	5.7	10.1	976	919.5	12.7	5073.3
03/11/2019 01:56	5.7	10.1	976.1	919.5	12.7	5073.3
03/11/2019 02:11	5.7	10.1	976	919.6	12.7	5072.9
03/11/2019 02:26	5.7	10.1	976	919.6	12.7	5072.9
03/11/2019 02:41	5.7	10	976.2	919.6	12.7	5072.9
03/11/2019 02:56	5.7	9.9	975.9	919.6	12.7	5072.9
03/11/2019 03:11	5.7	9.8	976.1	919.6	12.7	5072.9
03/11/2019 03:26	5.7	9.6	976.4	919.6	12.7	5072.9
03/11/2019 03:41	5.7	9.3	976.2	919.6	12.7	5072.9
03/11/2019 03:56	5.7	9	976.2	919.6	12.7	5072.9
03/11/2019 04:11	5.7	8.8	976	919.5	12.7	5073.3
03/11/2019 04:26	5.7	8.6	976	919.4	12.7	5073.8
03/11/2019 04:41	5.7	8.3	976.3	919.4	12.7	5073.8
03/11/2019 04:56	5.7	8	976.4	919.3	12.7	5074.2
03/11/2019 05:11	5.7	7.8	976.8	919.4	12.7	5073.8
03/11/2019 05:26	5.7	7.7	976.6	919.3	12.7	5074.2
03/11/2019 05:41	5.7	7.7	977.2	919.2	12.7	5074.7
03/11/2019 05:56	5.7	7.7	976.8	919.2	12.7	5074.7
03/11/2019 06:11	5.7	7.6	977.2	919.1	12.7	5075.1
03/11/2019 06:26	5.7	7.6	977	919.2	12.7	5074.7
03/11/2019 06:41	5.7	7.6	977.3	919	12.7	5075.6
03/11/2019 06:56	5.7	7.6	976.9	919	12.7	5075.6
03/11/2019 07:11	5.7	7.5	977.5	918.9	12.7	5076
03/11/2019 07:26	5.7	7.4	977.2	918.9	12.7	5076
03/11/2019 07:41	5.7	7.3	977.6	918.9	12.7	5076
03/11/2019 07:56	5.7	7.3	977.8	918.8	12.7	5076.5
03/11/2019 08:11	5.7	7.4	978.2	918.8	12.7	5076.5
03/11/2019 08:26	5.7	7.2	978.2	918.9	12.7	5076
03/11/2019 08:41	5.7	7.3	978.2	918.9	12.7	5076
03/11/2019 08:56	5.7	7.7	978.3	918.9	12.7	5076
03/11/2019 09:11	5.7	8.3	978.8	918.8	12.7	5076.5
03/11/2019 09:26	5.7	9.3	978.6	918.9	12.7	5076
03/11/2019 09:41	5.7	10.1	979	918.9	12.7	5076
03/11/2019 09:56	5.7	10.7	978.9	918.9	12.7	5076
03/11/2019 10:11	5.7	11.6	978.7	919	12.7	5075.6
03/11/2019 10:26	5.7	13	978.7	919	12.7	5075.6
03/11/2019 10:41	5.7	13.7	978.8	919.1	12.7	5075.1
03/11/2019 10:56	5.7	14.1	979.2	919.1	12.7	5075.1

03/11/2019 11:11	5.7	14.5	979.2	919.2	12.7	5074.7
03/11/2019 11:26	5.7	14.9	979.5	919.2	12.7	5074.7
03/11/2019 11:41	5.6	15.6	979.5	919.3	12.7	5074.2
03/11/2019 11:56	5.6	16.3	979.5	919.3	12.7	5074.2
03/11/2019 12:11	5.6	16.4	979.3	919.4	12.7	5073.8
03/11/2019 12:26	5.6	16.2	979.2	919.5	12.7	5073.3
03/11/2019 12:41	5.6	16.3	979.1	919.5	12.7	5073.3
03/11/2019 12:56	5.6	16.5	979.2	919.5	12.7	5073.3
03/11/2019 13:11	5.6	16.3	979.2	919.6	12.7	5072.9
03/11/2019 13:26	5.6	17.6	979.1	919.6	12.7	5072.9
03/11/2019 13:41	5.6	20.1	978.9	919.7	12.6	5072.4
03/11/2019 13:56	5.6	22.2	979.1	919.7	12.7	5072.4
03/11/2019 14:11	5.6	23.6	979.2	919.7	12.6	5072.4
03/11/2019 14:26	5.6	24.5	979.4	919.8	12.6	5072
03/11/2019 14:41	5.6	24.9	979.7	919.8	12.7	5072
03/11/2019 14:56	5.6	24.9	979.7	919.8	12.6	5072
03/11/2019 15:11	5.6	24.7	979.9	919.8	12.6	5072
03/11/2019 15:26	5.6	23.6	979.6	919.8	12.7	5072
03/11/2019 15:41	5.6	20.5	980	919.8	12.6	5071.5
03/11/2019 15:56	5.6	18.3	979.9	919.8	12.6	5072
03/11/2019 16:11	5.6	16.7	979.9	919.8	12.6	5072
03/11/2019 16:26	5.6	16	979.9	919.8	12.7	5072
03/11/2019 16:41	5.6	15.5	980.1	919.8	12.7	5072
03/11/2019 16:56	5.6	14.5	980.2	919.7	12.7	5072.4
03/11/2019 17:11	5.7	13.6	980.4	919.8	12.7	5072
03/11/2019 17:26	5.7	12.7	980.2	919.7	12.7	5072.4
03/11/2019 17:41	5.7	12.2	980.2	919.7	12.7	5072.4
03/11/2019 17:56	5.7	11.9	980.6	919.6	12.7	5072.9
03/11/2019 18:11	5.7	11.7	980.8	919.6	12.7	5072.9
03/11/2019 18:26	5.7	11.5	980.9	919.6	12.7	5072.9
03/11/2019 18:41	5.7	11.4	981	919.5	12.7	5073.3
03/11/2019 18:56	5.7	11.4	980.8	919.5	12.7	5073.3
03/11/2019 19:11	5.7	11.3	981.2	919.4	12.7	5073.8
03/11/2019 19:26	5.7	11.2	981	919.5	12.7	5073.3
03/11/2019 19:41	5.7	11.1	980.7	919.4	12.7	5073.8
03/11/2019 19:56	5.7	11	981.1	919.3	12.7	5074.2
03/11/2019 20:11	5.7	10.9	980.9	919.3	12.7	5074.2
03/11/2019 20:26	5.7	10.7	981.1	919.3	12.7	5074.2
03/11/2019 20:41	5.7	10.5	981	919.3	12.7	5074.2
03/11/2019 20:56	5.7	10.3	981	919.3	12.7	5074.2
03/11/2019 21:11	5.7	10.2	981.1	919.3	12.7	5074.2
03/11/2019 21:26	5.7	10	981	919.3	12.7	5074.2
03/11/2019 21:41	5.7	9.9	981.3	919.2	12.7	5074.7
03/11/2019 21:56	5.7	9.8	981	919.3	12.7	5074.2
03/11/2019 22:11	5.7	9.7	980.9	919.3	12.7	5074.2
03/11/2019 22:26	5.7	9.5	981	919.3	12.7	5074.2
03/11/2019 22:41	5.7	9.1	981	919.3	12.7	5074.2
03/11/2019 22:56	5.7	8.6	981	919.4	12.7	5073.8
03/11/2019 23:11	5.7	8.2	981.5	919.4	12.7	5073.8
03/11/2019 23:26	5.7	7.8	981.3	919.4	12.7	5073.8

03/11/2019 23:41	5.7	7.6	981.3	919.5	12.7	5073.3
03/11/2019 23:56	5.7	7.6	981.3	919.4	12.7	5073.8
04/11/2019 00:11	5.7	7.4	981.2	919.6	12.7	5072.9
04/11/2019 00:26	5.7	7.3	981.4	919.6	12.7	5072.9
04/11/2019 00:41	5.7	7.1	981.4	919.6	12.7	5072.9
04/11/2019 00:56	5.7	6.8	981.4	919.6	12.7	5072.9
04/11/2019 01:11	5.7	6.4	981.4	919.7	12.7	5072.4
04/11/2019 01:26	5.7	6	981.5	919.8	12.7	5072
04/11/2019 01:41	5.7	6	981.4	919.8	12.7	5072
04/11/2019 01:56	5.7	6.1	981	919.7	12.7	5072.4
04/11/2019 02:11	5.7	6.4	981.1	919.8	12.7	5072
04/11/2019 02:26	5.7	6.7	980.8	919.8	12.7	5072
04/11/2019 02:41	5.7	7	981.2	919.8	12.7	5072
04/11/2019 02:56	5.7	7.2	980.9	919.7	12.7	5072.4
04/11/2019 03:11	5.7	7.5	980.8	919.8	12.7	5072
04/11/2019 03:26	5.7	7.8	980.8	919.8	12.7	5072
04/11/2019 03:41	5.7	8.2	980.6	919.8	12.7	5072
04/11/2019 03:56	5.7	8.4	980.7	919.7	12.7	5072.4
04/11/2019 04:11	5.7	8.6	980.6	919.7	12.7	5072.4
04/11/2019 04:26	5.7	8.8	980.5	919.8	12.7	5072
04/11/2019 04:41	5.7	9	980.4	919.7	12.7	5072.4
04/11/2019 04:56	5.7	8.9	980.5	919.6	12.7	5072.9
04/11/2019 05:11	5.7	8.7	980.6	919.7	12.7	5072.4
04/11/2019 05:26	5.7	8.8	980.6	919.6	12.7	5072.9
04/11/2019 05:41	5.7	8.9	980.6	919.6	12.7	5072.9
04/11/2019 05:56	5.7	8.9	980.5	919.6	12.7	5072.9
04/11/2019 06:11	5.7	8.8	980.6	919.4	12.7	5073.8
04/11/2019 06:26	5.7	8.7	980.4	919.5	12.7	5073.3
04/11/2019 06:41	5.7	8.6	980.3	919.4	12.7	5073.8
04/11/2019 06:56	5.7	8.6	980.3	919.3	12.7	5074.2
04/11/2019 07:11	5.7	8.5	980.5	919.3	12.7	5074.2
04/11/2019 07:26	5.7	8.4	980.4	919.3	12.7	5074.2
04/11/2019 07:41	5.7	8.5	980.3	919.1	12.7	5075.1
04/11/2019 07:56	5.7	8.5	980.3	919.1	12.7	5075.1
04/11/2019 08:11	5.7	8.5	980	919.1	12.7	5075.1
04/11/2019 08:26	5.7	8.5	980.4	919	12.7	5075.6
04/11/2019 08:41	5.7	8.6	980.6	919	12.7	5075.6
04/11/2019 08:56	5.7	8.9	980.6	919	12.7	5075.6
04/11/2019 09:11	5.7	9.2	980.3	919	12.7	5075.6
04/11/2019 09:26	5.7	9.6	980.2	918.9	12.7	5076
04/11/2019 09:41	5.7	10.2	980.4	918.9	12.7	5076
04/11/2019 09:56	5.7	10.7	980.5	919	12.7	5075.6
04/11/2019 10:11	5.7	11.1	980.6	918.9	12.7	5076
04/11/2019 10:26	5.7	11.7	980.6	918.9	12.6	5076
04/11/2019 10:41	5.7	12.6	980.4	918.9	12.7	5076
04/11/2019 10:56	5.7	13.2	980.7	919	12.6	5075.6
04/11/2019 11:11	5.7	13.4	980.7	919	12.6	5075.6
04/11/2019 11:26	5.7	13.6	980.7	919	12.7	5075.6
04/11/2019 11:41	5.6	14.1	981	919.1	12.7	5075.1
04/11/2019 11:56	5.6	15.6	980.6	919.1	12.7	5075.1

04/11/2019 12:11	5.6	18.1	980.8	919.3	12.7	5074.2
04/11/2019 12:26	5.6	21.1	980.8	919.2	12.6	5074.7
04/11/2019 12:41	5.6	23.4	981.2	919.3	12.6	5074.2
04/11/2019 12:56	5.6	22.4	981.3	919.4	12.6	5073.8
04/11/2019 13:11	5.6	20.8	981.2	919.3	12.7	5074.2
04/11/2019 13:26	5.6	21.3	981.6	919.4	12.6	5073.8
04/11/2019 13:41	5.6	20.7	981.4	919.4	12.7	5073.8
04/11/2019 13:56	5.6	19.8	981.5	919.6	12.7	5072.9
04/11/2019 14:11	5.6	19.4	981.7	919.6	12.6	5072.9
04/11/2019 14:26	5.6	18.3	982	919.7	12.6	5072.4
04/11/2019 14:41	5.6	17.6	982	919.6	12.6	5072.9
04/11/2019 14:56	5.6	16.9	982.1	919.8	12.7	5072
04/11/2019 15:11	5.6	16.1	982.1	919.8	12.7	5072
04/11/2019 15:26	5.6	15.4	982	919.7	12.7	5072.4
04/11/2019 15:41	5.6	14.9	982.1	919.8	12.7	5072
04/11/2019 15:56	5.6	14.4	982.5	919.8	12.7	5072
04/11/2019 16:11	5.6	14.1	982.2	919.8	12.6	5071.5
04/11/2019 16:26	5.7	13.7	982.6	919.8	12.7	5072
04/11/2019 16:41	5.7	13.4	982.5	919.8	12.7	5071.5
04/11/2019 16:56	5.7	12.9	982.5	919.8	12.6	5072
04/11/2019 17:11	5.7	12.3	982.5	919.8	12.6	5072
04/11/2019 17:26	5.7	11.5	982.6	919.8	12.7	5072
04/11/2019 17:41	5.7	10.7	982.8	919.8	12.7	5072
04/11/2019 17:56	5.7	10.1	982.7	919.8	12.7	5072
04/11/2019 18:11	5.7	9.6	982.9	919.8	12.7	5072
04/11/2019 18:26	5.7	9.3	983	919.8	12.7	5072
04/11/2019 18:41	5.7	9	983	919.8	12.7	5072
04/11/2019 18:56	5.7	8.7	983.2	919.8	12.7	5072
04/11/2019 19:11	5.7	8.4	983.3	919.8	12.7	5072
04/11/2019 19:26	5.7	8.1	983.6	919.8	12.7	5072
04/11/2019 19:41	5.7	7.8	983.7	919.6	12.7	5072.9
04/11/2019 19:56	5.7	7.4	983.9	919.6	12.7	5072.9
04/11/2019 20:11	5.7	7.1	984.2	919.6	12.7	5072.9
04/11/2019 20:26	5.7	6.9	984.2	919.6	12.7	5072.9
04/11/2019 20:41	5.7	6.9	984.3	919.6	12.7	5072.9
04/11/2019 20:56	5.7	6.8	984.5	919.5	12.7	5073.3
04/11/2019 21:11	5.7	7	984.4	919.6	12.7	5072.9
04/11/2019 21:26	5.7	7.3	984.5	919.6	12.7	5072.9
04/11/2019 21:41	5.7	7.4	984.7	919.6	12.7	5072.9
04/11/2019 21:56	5.7	7.4	984.8	919.5	12.7	5073.3
04/11/2019 22:11	5.7	7.1	985.2	919.5	12.7	5073.3
04/11/2019 22:26	5.7	6.8	985.3	919.6	12.7	5072.9
04/11/2019 22:41	5.7	6.6	985.1	919.5	12.7	5073.3
04/11/2019 22:56	5.7	6.4	985.4	919.6	12.7	5072.9
04/11/2019 23:11	5.7	6.1	985.3	919.6	12.7	5072.9
04/11/2019 23:26	5.7	5.8	985.6	919.6	12.7	5072.9
04/11/2019 23:41	5.7	5.6	985.8	919.6	12.7	5072.9
04/11/2019 23:56	5.7	5.4	985.9	919.6	12.7	5072.9
05/11/2019 00:11	5.7	5.2	986	919.6	12.7	5072.9
05/11/2019 00:26	5.7	5.1	986	919.6	12.7	5072.9

05/11/2019 00:41	5.7	5.2	986.6	919.6	12.7	5072.9
05/11/2019 00:56	5.7	5.6	986.5	919.7	12.7	5072.4
05/11/2019 01:11	5.7	5.8	986.8	919.7	12.7	5072.4
05/11/2019 01:26	5.7	5.8	986.7	919.8	12.7	5072
05/11/2019 01:41	5.7	5.7	986.7	919.8	12.7	5072
05/11/2019 01:56	5.7	5.6	987.2	919.8	12.7	5072
05/11/2019 02:11	5.7	5.8	987.4	919.8	12.7	5072
05/11/2019 02:26	5.7	6	987.2	919.8	12.7	5072
05/11/2019 02:41	5.7	6.5	987.1	919.8	12.7	5072
05/11/2019 02:56	5.7	7.1	987.3	919.8	12.7	5071.5
05/11/2019 03:11	5.7	7.2	987.2	919.8	12.7	5072
05/11/2019 03:26	5.7	7.1	987.2	919.8	12.7	5071.5
05/11/2019 03:41	5.7	6.9	987.6	919.8	12.7	5071.5
05/11/2019 03:56	5.7	6.7	987.6	919.8	12.7	5071.5
05/11/2019 04:11	5.7	6.4	987.9	919.8	12.7	5071.5
05/11/2019 04:26	5.7	6.3	987.9	919.8	12.7	5071.5
05/11/2019 04:41	5.7	6.2	988.3	919.8	12.7	5071.5
05/11/2019 04:56	5.7	6.1	988.3	919.8	12.7	5071.5
05/11/2019 05:11	5.7	6.1	988.4	919.8	12.7	5071.5
05/11/2019 05:26	5.7	6.4	988.5	919.8	12.7	5071.5
05/11/2019 05:41	5.7	6.8	988.8	919.8	12.7	5071.5
05/11/2019 05:56	5.7	7.3	988.9	919.8	12.7	5071.5
05/11/2019 06:11	5.7	7.6	988.8	919.8	12.7	5071.5
05/11/2019 06:26	5.7	7.7	989.1	919.8	12.7	5072
05/11/2019 06:41	5.7	7.8	989.4	919.8	12.7	5071.5
05/11/2019 06:56	5.7	7.8	989.3	919.8	12.7	5071.5
05/11/2019 07:11	5.7	7.9	989.8	919.8	12.7	5072
05/11/2019 07:26	5.7	7.8	989.8	919.8	12.7	5071.5
05/11/2019 07:41	5.7	7.6	989.8	919.8	12.7	5072
05/11/2019 07:56	5.7	7.4	989.8	919.8	12.7	5072
05/11/2019 08:11	5.7	7.3	990.3	919.8	12.7	5072
05/11/2019 08:26	5.7	7.3	990.8	919.8	12.7	5072
05/11/2019 08:41	5.7	7.3	991	919.8	12.7	5072
05/11/2019 08:56	5.7	7.6	991.3	919.8	12.7	5072
05/11/2019 09:11	5.7	8.5	991.5	919.7	12.7	5072.4
05/11/2019 09:26	5.7	9.7	991.8	919.7	12.7	5072.4
05/11/2019 09:41	5.7	10.1	991.5	919.7	12.7	5072.4
05/11/2019 09:56	5.7	10.1	991.8	919.8	12.7	5072
05/11/2019 10:11	5.7	10	992	919.7	12.7	5072.4
05/11/2019 10:26	5.7	10	992.1	919.7	12.7	5072.4
05/11/2019 10:41	5.7	10	992.1	919.7	12.7	5072.4
05/11/2019 10:56	5.7	10.1	992.7	919.7	12.7	5072.4
05/11/2019 11:11	5.7	10.2	992.6	919.6	12.7	5072.9
05/11/2019 11:26	5.7	10.2	992.8	919.8	12.6	5072
05/11/2019 11:41	5.7	10.2	993.2	919.8	12.7	5072
05/11/2019 11:56	5.7	10.4	993.4	919.7	12.6	5072.4
05/11/2019 12:11	5.7	10.8	993.2	919.6	12.7	5072.9
05/11/2019 12:26	5.7	11.7	993.2	919.6	12.7	5072.9
05/11/2019 12:41	5.7	12.1	993.3	919.7	12.7	5072.4
05/11/2019 12:56	5.6	13.5	993.4	919.7	12.6	5072.4

05/11/2019 13:11	5.6	14.5	993.7	919.8	12.6	5072
05/11/2019 13:26	5.6	15.1	994	919.8	12.7	5072
05/11/2019 13:41	5.6	15.5	993.7	919.8	12.6	5072
05/11/2019 13:56	5.6	16	993.8	919.8	12.6	5072
05/11/2019 14:11	5.6	15.4	994	919.8	12.6	5072
05/11/2019 14:26	5.6	14.6	993.9	919.8	12.7	5072
05/11/2019 14:41	5.6	14.7	994.5	919.8	12.6	5071.5
05/11/2019 14:56	5.6	14.4	994.7	919.8	12.6	5072
05/11/2019 15:11	5.6	13.8	994.6	919.8	12.7	5071.5
05/11/2019 15:26	5.6	13.8	994.8	919.8	12.6	5071.5
05/11/2019 15:41	5.6	15.6	994.8	919.8	12.6	5071.5
05/11/2019 15:56	5.6	15.8	994.9	919.8	12.7	5071.5
05/11/2019 16:11	5.6	17.1	995.3	919.8	12.6	5071.5
05/11/2019 16:26	5.6	16	995.2	919.8	12.6	5071.5
05/11/2019 16:41	5.6	14.6	995.3	919.8	12.6	5071.5
05/11/2019 16:56	5.7	13.5	995.4	919.9	12.7	5071.1
05/11/2019 17:11	5.7	12.6	995.9	919.9	12.7	5071.1
05/11/2019 17:26	5.7	11.8	995.7	919.9	12.6	5071.1
05/11/2019 17:41	5.7	11.2	996.3	919.9	12.6	5071.1
05/11/2019 17:56	5.7	11.1	996.6	919.9	12.6	5071.1
05/11/2019 18:11	5.7	11	996.9	919.9	12.6	5071.1
05/11/2019 18:26	5.7	10.9	997	919.9	12.6	5071.1
05/11/2019 18:41	5.7	10.9	997.3	919.9	12.7	5071.1
05/11/2019 18:56	5.7	10.8	997	919.9	12.6	5071.1
05/11/2019 19:11	5.7	10.6	997.6	919.9	12.7	5071.1
05/11/2019 19:26	5.7	10.4	997.4	919.9	12.6	5071.1
05/11/2019 19:41	5.7	10.3	997.7	919.9	12.6	5071.1
05/11/2019 19:56	5.7	10.2	997.5	919.8	12.6	5071.5
05/11/2019 20:11	5.7	10.1	997.7	919.9	12.6	5071.1
05/11/2019 20:26	5.7	10.1	998.1	919.9	12.6	5071.1
05/11/2019 20:41	5.7	10.1	998.3	919.9	12.6	5071.1
05/11/2019 20:56	5.7	10	998.3	919.8	12.6	5071.5
05/11/2019 21:11	5.7	10.1	998.6	919.9	12.6	5071.1
05/11/2019 21:26	5.7	10.1	998.8	919.8	12.6	5071.5
05/11/2019 21:41	5.7	10.1	998.8	919.8	12.7	5071.5
05/11/2019 21:56	5.7	10	999	919.8	12.7	5071.5
05/11/2019 22:11	5.7	9.8	999.4	919.8	12.7	5071.5
05/11/2019 22:26	5.7	9.7	999.3	919.8	12.6	5071.5
05/11/2019 22:41	5.7	9.5	999.9	919.8	12.7	5071.5
05/11/2019 22:56	5.7	9.4	999.6	919.8	12.6	5072
05/11/2019 23:11	5.7	9.2	999.8	919.8	12.7	5071.5
05/11/2019 23:26	5.7	9	1000.1	919.8	12.7	5071.5
05/11/2019 23:41	5.7	8.9	999.8	919.8	12.7	5072
05/11/2019 23:56	5.7	8.9	999.8	919.8	12.6	5071.5
06/11/2019 00:11	5.7	9	1000.2	919.8	12.7	5072
06/11/2019 00:26	5.7	9	1000.2	919.8	12.7	5071.5
06/11/2019 00:41	5.7	9	1000.4	919.8	12.7	5071.5
06/11/2019 00:56	5.7	9	1000.1	919.8	12.7	5071.5
06/11/2019 01:11	5.7	8.9	1000.5	919.8	12.7	5071.5
06/11/2019 01:26	5.7	8.7	1000.7	919.9	12.7	5071.1

06/11/2019 01:41	5.7	8.6	1000.4	919.8	12.7	5071.5
06/11/2019 01:56	5.7	8.6	1000.8	919.8	12.7	5071.5
06/11/2019 02:11	5.7	8.5	1000.7	919.8	12.6	5071.5
06/11/2019 02:26	5.7	8.4	1000.5	919.9	12.7	5071.1
06/11/2019 02:41	5.7	8.4	1000.5	919.9	12.6	5071.1
06/11/2019 02:56	5.7	8.3	1000.8	919.8	12.7	5071.5
06/11/2019 03:11	5.7	8.2	1000.7	919.9	12.7	5071.1
06/11/2019 03:26	5.7	8	1000.8	919.9	12.7	5071.1
06/11/2019 03:41	5.7	7.7	1001.1	919.9	12.6	5071.1
06/11/2019 03:56	5.7	7.3	1001.1	919.9	12.7	5071.1
06/11/2019 04:11	5.7	6.9	1001.3	919.9	12.7	5071.1
06/11/2019 04:26	5.7	6.5	1001.3	919.9	12.7	5071.1
06/11/2019 04:41	5.7	6.2	1001.3	919.9	12.7	5071.1
06/11/2019 04:56	5.7	5.9	1001.5	919.9	12.7	5071.1
06/11/2019 05:11	5.7	5.6	1001.6	919.9	12.7	5071.1
06/11/2019 05:26	5.7	5.3	1001.7	919.9	12.7	5071.1
06/11/2019 05:41	5.7	5.1	1001.4	919.9	12.7	5071.1
06/11/2019 05:56	5.7	4.9	1001.7	920	12.7	5070.6
06/11/2019 06:11	5.7	4.7	1002.1	919.9	12.7	5071.1
06/11/2019 06:26	5.7	4.5	1001.8	919.9	12.7	5071.1
06/11/2019 06:41	5.7	4.3	1001.7	919.9	12.7	5071.1
06/11/2019 06:56	5.7	4.2	1001.5	920	12.7	5070.6
06/11/2019 07:11	5.7	4	1001.7	919.9	12.7	5071.1
06/11/2019 07:26	5.7	3.8	1001.8	919.9	12.7	5071.1
06/11/2019 07:41	5.7	3.7	1001.8	919.9	12.7	5071.1
06/11/2019 07:56	5.7	3.5	1002.1	919.9	12.6	5071.1
06/11/2019 08:11	5.7	3.5	1002.5	919.9	12.7	5071.1
06/11/2019 08:26	5.7	3.6	1002.5	919.8	12.6	5071.5
06/11/2019 08:41	5.7	4	1002.5	919.9	12.7	5071.1
06/11/2019 08:56	5.7	4.5	1002.4	919.8	12.7	5071.5
06/11/2019 09:11	5.7	5.1	1002.5	919.8	12.7	5071.5
06/11/2019 09:26	5.7	6	1002.5	919.8	12.7	5071.5
06/11/2019 09:41	5.7	6.6	1002.4	919.9	12.6	5071.1
06/11/2019 09:56	5.7	7.5	1002.3	919.8	12.7	5072
06/11/2019 10:11	5.7	8.1	1002.2	919.8	12.7	5071.5
06/11/2019 10:26	5.6	10	1002.2	919.8	12.7	5071.5
06/11/2019 10:41	5.6	12	1002.5	919.8	12.6	5071.5
06/11/2019 10:56	5.6	14	1002	919.8	12.6	5072
06/11/2019 11:11	5.6	15.6	1002.1	919.8	12.6	5072
06/11/2019 11:26	5.6	17.1	1001.6	919.8	12.6	5071.5
06/11/2019 11:41	5.6	17.9	1001.7	919.8	12.6	5071.5
06/11/2019 11:56	5.6	19	1001.9	919.8	12.6	5071.5
06/11/2019 12:11	5.6	20	1001.9	919.8	12.6	5072
06/11/2019 12:26	5.6	20.5	1001.5	919.8	12.6	5072
06/11/2019 12:41	5.6	21	1001.5	919.8	12.6	5072
06/11/2019 12:56	5.6	20.8	1001.5	919.8	12.6	5071.5
06/11/2019 13:11	5.6	20.9	1001.2	919.8	12.6	5072
06/11/2019 13:26	5.6	21.3	1001.2	919.8	12.6	5071.5
06/11/2019 13:41	5.6	20.6	1000.9	919.8	12.6	5072
06/11/2019 13:56	5.6	20.6	1001.2	919.8	12.6	5071.5

06/11/2019 14:11	5.6	20.4	1000.8	919.8	12.6	5072
06/11/2019 14:26	5.6	20.7	1000.8	919.8	12.6	5072
06/11/2019 14:41	5.6	20.6	1001	919.8	12.6	5071.5
06/11/2019 14:56	5.6	19.3	1000.2	919.8	12.6	5072
06/11/2019 15:11	5.6	17.4	1000.4	919.8	12.6	5072
06/11/2019 15:26	5.6	16.4	1000.5	919.8	12.6	5071.5
06/11/2019 15:41	5.6	15.1	1000.4	919.8	12.6	5071.5
06/11/2019 15:56	5.6	14.1	1000.7	919.8	12.6	5071.5
06/11/2019 16:11	5.6	13.6	1000.2	919.8	12.6	5071.5
06/11/2019 16:26	5.6	13	1000.5	919.8	12.6	5071.5
06/11/2019 16:41	5.6	12.1	1000.1	919.8	12.6	5071.5
06/11/2019 16:56	5.7	11	1000.3	919.9	12.7	5071.1
06/11/2019 17:11	5.7	9.8	1000.1	919.9	12.6	5071.1
06/11/2019 17:26	5.7	8.7	999.8	919.9	12.7	5071.1
06/11/2019 17:41	5.7	7.6	999.9	919.9	12.6	5071.1
06/11/2019 17:56	5.7	6.8	999.6	919.9	12.7	5071.1
06/11/2019 18:11	5.7	6.1	999.9	919.9	12.6	5071.1
06/11/2019 18:26	5.7	5.5	1000	919.9	12.6	5071.1
06/11/2019 18:41	5.7	5.1	999.5	919.9	12.6	5071.1
06/11/2019 18:56	5.7	4.9	999.1	920	12.6	5070.6
06/11/2019 19:11	5.7	4.7	999.4	919.9	12.6	5071.1
06/11/2019 19:26	5.7	4.6	999.3	919.9	12.7	5071.1
06/11/2019 19:41	5.7	4.5	999	919.9	12.6	5071.1
06/11/2019 19:56	5.7	4.5	998.8	919.9	12.7	5071.1
06/11/2019 20:11	5.7	4.5	998.7	919.9	12.7	5071.1
06/11/2019 20:26	5.7	4.5	998.7	919.9	12.6	5071.1
06/11/2019 20:41	5.7	4.5	998.2	919.9	12.6	5071.1
06/11/2019 20:56	5.7	4.5	998	919.9	12.7	5071.1
06/11/2019 21:11	5.7	4.5	998.1	919.9	12.7	5071.1
06/11/2019 21:26	5.7	4.5	997.9	919.9	12.7	5071.1
06/11/2019 21:41	5.7	4.5	997.9	919.8	12.7	5071.5
06/11/2019 21:56	5.7	4.6	997.4	919.8	12.6	5071.5
06/11/2019 22:11	5.7	4.7	997.4	919.8	12.7	5071.5
06/11/2019 22:26	5.7	4.7	997.1	919.8	12.6	5071.5
06/11/2019 22:41	5.7	4.7	996.9	919.8	12.7	5071.5
06/11/2019 22:56	5.7	4.8	996.6	919.8	12.7	5071.5
06/11/2019 23:11	5.7	4.9	996.4	919.8	12.7	5071.5
06/11/2019 23:26	5.7	5.5	996.3	919.8	12.6	5071.5
06/11/2019 23:41	5.7	6.2	995.7	919.8	12.7	5071.5
06/11/2019 23:56	5.7	7	995.9	919.8	12.7	5071.5
07/11/2019 00:11	5.7	7.6	995.4	919.8	12.6	5071.5
07/11/2019 00:26	5.7	8	995.1	919.8	12.6	5072
07/11/2019 00:41	5.7	8.4	995.1	919.8	12.6	5072
07/11/2019 00:56	5.7	8.6	994.6	919.8	12.7	5072
07/11/2019 01:11	5.7	8.8	994.4	919.8	12.6	5072
07/11/2019 01:26	5.7	9.1	993.8	919.8	12.7	5072
07/11/2019 01:41	5.7	9.3	993.9	919.8	12.6	5071.5
07/11/2019 01:56	5.7	9.6	993.5	919.8	12.6	5072
07/11/2019 02:11	5.7	9.8	993.3	919.8	12.6	5072
07/11/2019 02:26	5.7	9.9	992.8	919.8	12.6	5072

07/11/2019 02:41	5.7	10.1	993	919.8	12.6	5071.5
07/11/2019 02:56	5.7	10.2	992.7	919.8	12.6	5072
07/11/2019 03:11	5.7	10.3	992.3	919.8	12.7	5071.5
07/11/2019 03:26	5.7	10.3	992	919.8	12.6	5071.5
07/11/2019 03:41	5.7	10.4	991.8	919.8	12.6	5072
07/11/2019 03:56	5.7	10.6	991.7	919.8	12.6	5072
07/11/2019 04:11	5.7	10.7	991.1	919.8	12.6	5071.5
07/11/2019 04:26	5.7	10.9	990.8	919.8	12.6	5071.5
07/11/2019 04:41	5.7	10.7	990.4	919.8	12.6	5071.5
07/11/2019 04:56	5.7	10.7	990.1	919.8	12.6	5071.5
07/11/2019 05:11	5.7	10.9	990.1	919.8	12.6	5072
07/11/2019 05:26	5.7	10.9	989.9	919.8	12.6	5071.5
07/11/2019 05:41	5.7	11	989.5	919.8	12.6	5072
07/11/2019 05:56	5.7	11.1	989.3	919.8	12.6	5071.5
07/11/2019 06:11	5.7	11.1	989.2	919.8	12.6	5072
07/11/2019 06:26	5.7	11.1	989	919.8	12.6	5071.5
07/11/2019 06:41	5.7	11.1	988.9	919.8	12.6	5071.5
07/11/2019 06:56	5.7	11.1	988.6	919.8	12.7	5071.5
07/11/2019 07:11	5.7	11	988.4	919.8	12.6	5072
07/11/2019 07:26	5.7	10.7	988.1	919.8	12.6	5071.5
07/11/2019 07:41	5.7	10.6	988.1	919.8	12.6	5072
07/11/2019 07:56	5.7	10.4	988.3	919.8	12.6	5071.5
07/11/2019 08:11	5.7	10.2	987.8	919.8	12.6	5071.5
07/11/2019 08:26	5.7	10	988	919.8	12.6	5071.5
07/11/2019 08:41	5.7	9.9	988.1	919.8	12.6	5072
07/11/2019 08:56	5.7	9.6	988.1	919.8	12.6	5072
07/11/2019 09:11	5.7	9.3	987.9	919.8	12.6	5072
07/11/2019 09:26	5.7	9.1	988.1	919.8	12.7	5072
07/11/2019 09:41	5.7	8.9	987.8	919.8	12.7	5072
07/11/2019 09:56	5.7	8.7	988	919.8	12.6	5072
07/11/2019 10:11	5.7	8.6	987.7	919.7	12.6	5072.4
07/11/2019 10:26	5.7	8.6	987.8	919.8	12.6	5072
07/11/2019 10:41	5.7	8.7	987.6	919.8	12.6	5072
07/11/2019 10:56	5.7	8.8	988.1	919.7	12.6	5072.4
07/11/2019 11:11	5.7	9	987.9	919.7	12.6	5072.4
07/11/2019 11:26	5.7	9.2	988.3	919.7	12.6	5072.4
07/11/2019 11:41	5.7	9.4	988.1	919.6	12.6	5072.9
07/11/2019 11:56	5.7	9.4	988.1	919.6	12.6	5072.9
07/11/2019 12:11	5.7	9.4	988	919.6	12.6	5072.9
07/11/2019 12:26	5.7	9.3	988.2	919.5	12.6	5073.3
07/11/2019 12:41	5.7	9.2	988.3	919.5	12.6	5073.3
07/11/2019 12:56	5.7	9.2	988.2	919.5	12.6	5073.3
07/11/2019 13:11	5.7	9.4	988.1	919.5	12.6	5073.3
07/11/2019 13:26	5.7	9.6	988.4	919.5	12.6	5073.3
07/11/2019 13:41	5.7	9.5	988.8	919.5	12.6	5073.3
07/11/2019 13:56	5.7	9.5	988.6	919.5	12.6	5073.3
07/11/2019 14:11	5.7	9.6	988.9	919.5	12.6	5073.3
07/11/2019 14:26	5.7	9.8	988.8	919.6	12.6	5072.9
07/11/2019 14:41	5.7	10	989.2	919.6	12.6	5072.9
07/11/2019 14:56	5.7	10.1	989.3	919.5	12.6	5073.3

07/11/2019 15:11	5.7	9.9	989.2	919.6	12.6	5072.9
07/11/2019 15:26	5.7	9.9	989.5	919.6	12.6	5072.9
07/11/2019 15:41	5.7	9.9	989.6	919.8	12.6	5072
07/11/2019 15:56	5.7	9.9	989.9	919.7	12.6	5072.4
07/11/2019 16:11	5.7	9.9	990	919.7	12.6	5072.4
07/11/2019 16:26	5.7	10	990	919.7	12.6	5072.4
07/11/2019 16:41	5.7	9.9	990.5	919.8	12.6	5072
07/11/2019 16:56	5.7	9.6	990.7	919.8	12.6	5072
07/11/2019 17:11	5.7	9.1	990.9	919.8	12.6	5072
07/11/2019 17:26	5.7	8.6	991.1	919.8	12.6	5072
07/11/2019 17:41	5.7	8	991.4	919.8	12.6	5072
07/11/2019 17:56	5.7	7.5	991.7	919.8	12.6	5072
07/11/2019 18:11	5.7	7.1	991.8	919.8	12.6	5071.5
07/11/2019 18:26	5.7	6.7	992.1	919.8	12.7	5071.5
07/11/2019 18:41	5.7	6.3	992.3	919.8	12.6	5071.5
07/11/2019 18:56	5.7	6.1	992.5	919.8	12.6	5071.5
07/11/2019 19:11	5.7	5.8	992.8	919.8	12.6	5071.5
07/11/2019 19:26	5.7	5.6	992.8	919.8	12.6	5071.5
07/11/2019 19:41	5.7	5.4	993.1	919.9	12.7	5071.1
07/11/2019 19:56	5.7	5.3	993	919.8	12.7	5071.5
07/11/2019 20:11	5.7	5.3	993.3	919.8	12.6	5071.5
07/11/2019 20:26	5.7	5.2	993.2	919.8	12.6	5071.5
07/11/2019 20:41	5.7	5.2	993.6	919.9	12.6	5071.1
07/11/2019 20:56	5.7	5	993.8	919.8	12.6	5071.5
07/11/2019 21:11	5.7	4.8	994.1	919.9	12.6	5071.1
07/11/2019 21:26	5.7	4.7	994.1	919.9	12.7	5071.1
07/11/2019 21:41	5.7	4.7	994.2	919.8	12.6	5071.5
07/11/2019 21:56	5.7	4.7	994.6	919.8	12.7	5071.5
07/11/2019 22:11	5.7	4.6	994.7	919.8	12.6	5071.5
07/11/2019 22:26	5.7	4.5	994.9	919.8	12.7	5071.5
07/11/2019 22:41	5.7	4.4	995.1	919.8	12.7	5071.5
07/11/2019 22:56	5.7	4.3	994.9	919.8	12.7	5072
07/11/2019 23:11	5.7	4.1	995.3	919.8	12.6	5071.5
07/11/2019 23:26	5.7	3.8	995.5	919.8	12.7	5071.5
07/11/2019 23:41	5.7	3.6	995.5	919.8	12.6	5072
07/11/2019 23:56	5.7	3.4	995.6	919.8	12.7	5071.5
08/11/2019 00:11	5.7	3.2	995.5	919.8	12.6	5071.5
08/11/2019 00:26	5.7	3	995.5	919.8	12.7	5072
08/11/2019 00:41	5.7	2.8	995.9	919.8	12.6	5072
08/11/2019 00:56	5.7	2.6	995.9	919.8	12.6	5072
08/11/2019 01:11	5.7	2.5	996.1	919.8	12.6	5072
08/11/2019 01:26	5.7	2.4	996.3	919.8	12.6	5072
08/11/2019 01:41	5.7	2.3	996.4	919.8	12.6	5072
08/11/2019 01:56	5.7	2.3	996.8	919.8	12.7	5071.5
08/11/2019 02:11	5.7	2.3	996.8	919.8	12.7	5072
08/11/2019 02:26	5.7	2.2	996.7	919.8	12.7	5072
08/11/2019 02:41	5.7	2	997	919.8	12.7	5072
08/11/2019 02:56	5.7	1.9	996.9	919.8	12.7	5071.5
08/11/2019 03:11	5.7	1.9	996.8	919.8	12.6	5071.5
08/11/2019 03:26	5.7	1.8	997.2	919.8	12.6	5072

08/11/2019 03:41	5.7	1.6	997.4	919.8	12.6	5072
08/11/2019 03:56	5.7	1.5	997.5	919.8	12.6	5072
08/11/2019 04:11	5.7	1.4	997.5	919.8	12.7	5071.5
08/11/2019 04:26	5.7	1.3	998	919.8	12.6	5071.5
08/11/2019 04:41	5.7	1.2	998	919.8	12.6	5071.5
08/11/2019 04:56	5.7	1.1	998	919.8	12.7	5071.5
08/11/2019 05:11	5.7	0.9	998.2	919.8	12.7	5071.5
08/11/2019 05:26	5.7	0.8	998.4	919.8	12.7	5071.5
08/11/2019 05:41	5.7	0.6	998.7	919.9	12.7	5071.1
08/11/2019 05:56	5.7	0.4	998.9	919.9	12.6	5071.1
08/11/2019 06:11	5.7	0.4	999.2	919.9	12.7	5071.1
08/11/2019 06:26	5.7	0.4	999.1	919.9	12.6	5071.1
08/11/2019 06:41	5.7	0.3	999.6	919.9	12.7	5071.1
08/11/2019 06:56	5.7	0.2	999.5	919.9	12.6	5071.1
08/11/2019 07:11	5.7	0.2	999.6	919.9	12.7	5071.1
08/11/2019 07:26	5.7	0.2	1000	920	12.6	5070.6
08/11/2019 07:41	5.7	0.2	1000.3	920	12.6	5070.6
08/11/2019 07:56	5.7	0.1	1000.4	919.9	12.6	5071.1
08/11/2019 08:11	5.7	0.2	1000.7	920	12.7	5070.6
08/11/2019 08:26	5.7	0.4	1000.7	919.9	12.6	5071.1
08/11/2019 08:41	5.7	1	1001	920	12.7	5070.6
08/11/2019 08:56	5.7	2.3	1001.1	920	12.6	5070.6
08/11/2019 09:11	5.7	4.5	1001	920	12.6	5070.6
08/11/2019 09:26	5.6	6.9	1001.1	919.9	12.6	5071.1
08/11/2019 09:41	5.6	8.8	1001.3	920	12.6	5070.6
08/11/2019 09:56	5.6	10.5	1001.3	919.9	12.6	5071.1
08/11/2019 10:11	5.6	12.1	1001.3	919.9	12.6	5071.1
08/11/2019 10:26	5.6	12.3	1001.3	919.9	12.6	5071.1
08/11/2019 10:41	5.6	12.1	1001.5	919.8	12.6	5071.5
08/11/2019 10:56	5.6	12.5	1001.2	919.8	12.6	5071.5
08/11/2019 11:11	5.6	14.1	1001.2	919.9	12.6	5071.1
08/11/2019 11:26	5.6	15.7	1001.6	919.8	12.6	5071.5
08/11/2019 11:41	5.6	16.5	1001.6	919.9	12.6	5071.1
08/11/2019 11:56	5.6	15.4	1001.5	919.8	12.6	5071.5
08/11/2019 12:11	5.6	15.1	1001.3	919.8	12.6	5071.5
08/11/2019 12:26	5.6	14.5	1001.4	919.8	12.6	5071.5
08/11/2019 12:41	5.6	13.2	1001.7	919.8	12.6	5072
08/11/2019 12:56	5.6	11.5	1001.7	919.8	12.6	5071.5
08/11/2019 13:11	5.6	10.6	1001.6	919.8	12.6	5072
08/11/2019 13:26	5.7	10.2	1001.7	919.8	12.6	5071.5
08/11/2019 13:41	5.7	9.8	1001.7	919.8	12.6	5072
08/11/2019 13:56	5.7	9.3	1001.7	919.8	12.6	5072
08/11/2019 14:11	5.7	9.2	1002.1	919.8	12.6	5072
08/11/2019 14:26	5.7	9.2	1001.9	919.8	12.7	5071.5
08/11/2019 14:41	5.7	9.3	1002.3	919.8	12.6	5072
08/11/2019 14:56	5.6	10	1002.3	919.8	12.6	5071.5
08/11/2019 15:11	5.6	10.6	1002.4	919.8	12.6	5072
08/11/2019 15:26	5.6	10.5	1002.3	919.8	12.6	5071.5
08/11/2019 15:41	5.6	10.5	1002.7	919.8	12.6	5071.5
08/11/2019 15:56	5.6	11.9	1002.4	919.8	12.6	5072

08/11/2019 16:11	5.6	11.5	1002.6	919.8	12.6	5071.5
08/11/2019 16:26	5.6	10.9	1002.9	919.8	12.6	5071.5
08/11/2019 16:41	5.7	10	1003.1	919.8	12.6	5071.5
08/11/2019 16:56	5.7	9.4	1003.3	919.8	12.6	5071.5
08/11/2019 17:11	5.7	8.9	1003.4	919.8	12.6	5071.5
08/11/2019 17:26	5.7	8.4	1003.5	919.8	12.6	5071.5
08/11/2019 17:41	5.7	7.9	1003.8	919.9	12.6	5071.1
08/11/2019 17:56	5.7	7.5	1003.8	919.9	12.7	5071.1
08/11/2019 18:11	5.7	7.2	1004	919.9	12.6	5071.1
08/11/2019 18:26	5.7	7.1	1004	919.9	12.6	5071.1
08/11/2019 18:41	5.7	6.9	1004.1	919.9	12.7	5071.1
08/11/2019 18:56	5.7	6.6	1004.2	919.9	12.6	5071.1
08/11/2019 19:11	5.7	6.5	1004.3	919.9	12.6	5071.1
08/11/2019 19:26	5.7	6.3	1004.4	920	12.6	5070.6
08/11/2019 19:41	5.7	6.4	1004.4	920	12.6	5070.6
08/11/2019 19:56	5.7	6.5	1004.3	920	12.6	5070.6
08/11/2019 20:11	5.7	6.5	1004.4	920.1	12.6	5070.2
08/11/2019 20:26	5.7	6.5	1004.5	920.1	12.6	5070.2
08/11/2019 20:41	5.7	6.6	1004.8	920.1	12.6	5070.2
08/11/2019 20:56	5.7	6.6	1005	920.1	12.6	5070.2
08/11/2019 21:11	5.7	6.5	1005.2	920.1	12.6	5070.2
08/11/2019 21:26	5.7	6.4	1005.3	920.1	12.6	5070.2
08/11/2019 21:41	5.7	6.4	1005.2	920.1	12.6	5070.2
08/11/2019 21:56	5.7	6.4	1005.3	920.2	12.6	5069.7
08/11/2019 22:11	5.7	6.5	1005.4	920.1	12.6	5070.2
08/11/2019 22:26	5.7	6.6	1005.4	920.1	12.6	5070.2
08/11/2019 22:41	5.7	6.5	1005.2	920.1	12.6	5070.2
08/11/2019 22:56	5.7	6.4	1005.1	920	12.6	5070.6
08/11/2019 23:11	5.7	6.4	1005.2	920.1	12.6	5070.2
08/11/2019 23:26	5.7	6.4	1005.3	920	12.6	5070.6
08/11/2019 23:41	5.7	6.2	1005.2	920	12.6	5070.6
08/11/2019 23:56	5.7	6	1005.3	919.9	12.6	5071.1
09/11/2019 00:11	5.7	5.8	1005.1	919.9	12.6	5071.1
09/11/2019 00:26	5.7	5.7	1005.3	919.9	12.6	5071.1
09/11/2019 00:41	5.7	5.4	1005.4	919.8	12.6	5071.5
09/11/2019 00:56	5.7	5.2	1005.4	919.9	12.6	5071.1
09/11/2019 01:11	5.7	4.9	1005.6	919.9	12.6	5071.1
09/11/2019 01:26	5.7	4.7	1005.6	919.8	12.6	5071.5
09/11/2019 01:41	5.7	4.4	1005.6	919.9	12.6	5071.1
09/11/2019 01:56	5.7	4.3	1005.6	919.9	12.6	5071.1
09/11/2019 02:11	5.7	4.2	1005.5	919.8	12.6	5071.5
09/11/2019 02:26	5.7	4.1	1005.4	919.8	12.6	5071.5
09/11/2019 02:41	5.7	4	1005.3	919.9	12.6	5071.1
09/11/2019 02:56	5.7	3.9	1005.3	919.8	12.6	5071.5
09/11/2019 03:11	5.7	3.8	1005.3	919.8	12.6	5071.5
09/11/2019 03:26	5.7	3.8	1005.5	919.8	12.6	5071.5
09/11/2019 03:41	5.7	3.8	1005.5	919.8	12.6	5071.5
09/11/2019 03:56	5.7	3.8	1005.2	919.8	12.6	5071.5
09/11/2019 04:11	5.7	3.7	1005.4	919.9	12.7	5071.1
09/11/2019 04:26	5.7	3.6	1005.6	919.9	12.6	5071.1

09/11/2019 04:41	5.7	3.5	1005.5	919.9	12.7	5071.1
09/11/2019 04:56	5.7	3.3	1005.8	919.9	12.6	5071.1
09/11/2019 05:11	5.7	3.1	1005.5	919.9	12.6	5071.1
09/11/2019 05:26	5.7	2.8	1005.3	919.9	12.7	5071.1
09/11/2019 05:41	5.7	2.7	1005.2	920	12.6	5070.6
09/11/2019 05:56	5.7	2.6	1005.2	920	12.6	5070.6
09/11/2019 06:11	5.7	2.5	1005	920	12.6	5070.6
09/11/2019 06:26	5.7	2.4	1005.3	920	12.6	5070.6
09/11/2019 06:41	5.7	2.4	1005	919.9	12.6	5071.1
09/11/2019 06:56	5.7	2.3	1005.1	920.1	12.6	5070.2
09/11/2019 07:11	5.7	2.1	1005.1	920.1	12.7	5070.2
09/11/2019 07:26	5.7	2	1005.1	920.1	12.6	5070.2
09/11/2019 07:41	5.7	1.9	1005.2	920.1	12.7	5070.2
09/11/2019 07:56	5.7	1.9	1005.3	920.1	12.6	5070.2
09/11/2019 08:11	5.7	1.8	1005	920.1	12.6	5070.2
09/11/2019 08:26	5.7	1.8	1005.5	920.1	12.6	5070.2
09/11/2019 08:41	5.7	1.9	1005.4	920.1	12.7	5070.2
09/11/2019 08:56	5.7	2.5	1005.4	920.1	12.6	5070.2
09/11/2019 09:11	5.7	4.1	1005.3	920.1	12.6	5070.2
09/11/2019 09:26	5.7	5.8	1005.2	920.1	12.6	5070.2
09/11/2019 09:41	5.6	7.6	1004.9	920.1	12.6	5070.2
09/11/2019 09:56	5.6	9.4	1004.7	920.1	12.6	5070.2
09/11/2019 10:11	5.6	11.1	1004.4	920.1	12.6	5070.2
09/11/2019 10:26	5.6	12.7	1004.5	920.1	12.6	5070.2
09/11/2019 10:41	5.6	13.8	1004.6	920.1	12.6	5070.2
09/11/2019 10:56	5.6	14.8	1004.3	920	12.6	5070.6
09/11/2019 11:11	5.6	16.1	1004.5	920	12.6	5070.6
09/11/2019 11:26	5.6	17.7	1004.2	919.9	12.6	5071.1
09/11/2019 11:41	5.6	18.9	1004.3	919.9	12.6	5071.1
09/11/2019 11:56	5.6	19.5	1003.8	919.9	12.6	5071.1
09/11/2019 12:11	5.6	20.1	1003.6	919.8	12.6	5071.5
09/11/2019 12:26	5.6	20.9	1003.2	919.9	12.6	5071.1
09/11/2019 12:41	5.6	21.4	1003.6	919.8	12.6	5071.5
09/11/2019 12:56	5.6	21.1	1003.7	919.8	12.6	5071.5
09/11/2019 13:11	5.6	21.3	1003.3	919.8	12.6	5071.5
09/11/2019 13:26	5.6	21.5	1003.3	919.8	12.6	5071.5
09/11/2019 13:41	5.6	22	1003.2	919.8	12.6	5071.5
09/11/2019 13:56	5.6	22.4	1003.1	919.8	12.6	5071.5
09/11/2019 14:11	5.6	22.6	1002.8	919.8	12.6	5072
09/11/2019 14:26	5.6	21.5	1002.9	919.8	12.6	5072
09/11/2019 14:41	5.6	20.6	1003.1	919.8	12.6	5072
09/11/2019 14:56	5.6	20.4	1002.6	919.8	12.6	5071.5
09/11/2019 15:11	5.6	19.8	1002.6	919.8	12.6	5072
09/11/2019 15:26	5.6	19.5	1002.4	919.8	12.6	5072
09/11/2019 15:41	5.6	18.9	1002.1	919.8	12.6	5072
09/11/2019 15:56	5.6	18.9	1002.1	919.8	12.6	5072
09/11/2019 16:11	5.6	19.3	1002.2	919.8	12.6	5072
09/11/2019 16:26	5.6	18.3	1002	919.8	12.6	5072
09/11/2019 16:41	5.6	15.5	1001.9	919.8	12.6	5072
09/11/2019 16:56	5.6	13.2	1002	919.8	12.6	5071.5

09/11/2019 17:11	5.6	11.2	1001.9	919.8	12.6	5071.5
09/11/2019 17:26	5.6	9.6	1002	919.8	12.6	5071.5
09/11/2019 17:41	5.6	8.4	1001.9	919.8	12.6	5071.5
09/11/2019 17:56	5.7	7.6	1001.7	919.8	12.6	5072
09/11/2019 18:11	5.7	7.1	1002.1	919.8	12.6	5071.5
09/11/2019 18:26	5.7	6.7	1001.7	919.8	12.6	5071.5
09/11/2019 18:41	5.7	6.4	1001.7	919.8	12.6	5071.5
09/11/2019 18:56	5.7	6.3	1001.7	919.9	12.6	5071.1
09/11/2019 19:11	5.7	6.4	1001.4	919.9	12.6	5071.1
09/11/2019 19:26	5.7	6.5	1001.7	919.9	12.6	5071.1
09/11/2019 19:41	5.7	6.7	1002	920	12.6	5070.6
09/11/2019 19:56	5.7	6.8	1001.5	919.9	12.6	5071.1
09/11/2019 20:11	5.7	6.9	1001.5	919.9	12.6	5071.1
09/11/2019 20:26	5.7	7.1	1001.7	920	12.6	5070.6
09/11/2019 20:41	5.7	7.5	1001.5	920	12.6	5070.6
09/11/2019 20:56	5.7	7.7	1001.6	920.1	12.6	5070.2
09/11/2019 21:11	5.7	7.6	1001.7	920.1	12.6	5070.2
09/11/2019 21:26	5.7	7.5	1001.6	920.1	12.6	5070.2
09/11/2019 21:41	5.7	7.4	1001.7	920.1	12.6	5070.2
09/11/2019 21:56	5.7	7.5	1001.7	920.1	12.6	5070.2
09/11/2019 22:11	5.7	7.5	1002	920.1	12.6	5070.2
09/11/2019 22:26	5.7	7.6	1001.7	920.1	12.6	5070.2
09/11/2019 22:41	5.7	7.8	1001.7	920.1	12.6	5070.2
09/11/2019 22:56	5.7	7.7	1001.9	920.1	12.6	5070.2
09/11/2019 23:11	5.7	7.8	1001.7	920.1	12.6	5070.2
09/11/2019 23:26	5.7	7.9	1001.9	920.1	12.6	5070.2
09/11/2019 23:41	5.7	7.8	1001.9	920	12.6	5070.6
09/11/2019 23:56	5.7	7.8	1002	920	12.6	5070.6
10/11/2019 00:11	5.7	7.8	1002.1	919.9	12.6	5071.1
10/11/2019 00:26	5.7	7.6	1002.1	919.9	12.6	5071.1
10/11/2019 00:41	5.7	7.7	1002.5	919.9	12.6	5071.1
10/11/2019 00:56	5.7	8	1002.5	919.8	12.6	5071.5
10/11/2019 01:11	5.7	8.3	1002.7	919.9	12.6	5071.1
10/11/2019 01:26	5.6	8.4	1002.9	919.8	12.6	5071.5
10/11/2019 01:41	5.6	8.5	1002.7	919.9	12.6	5071.1
10/11/2019 01:56	5.7	8.5	1003	919.8	12.6	5071.5
10/11/2019 02:11	5.7	8.5	1002.9	919.8	12.6	5071.5
10/11/2019 02:26	5.7	8.4	1003.3	919.9	12.6	5071.1
10/11/2019 02:41	5.7	8.2	1003.4	919.8	12.6	5071.5
10/11/2019 02:56	5.7	8	1003.6	919.8	12.6	5072
10/11/2019 03:11	5.7	7.7	1003.8	919.8	12.6	5071.5
10/11/2019 03:26	5.7	7.7	1004	919.8	12.6	5071.5
10/11/2019 03:41	5.7	7.7	1004.1	919.8	12.6	5071.5
10/11/2019 03:56	5.7	7.6	1004.2	919.8	12.6	5071.5
10/11/2019 04:11	5.7	7.1	1004.3	919.8	12.6	5071.5
10/11/2019 04:26	5.7	6	1004.5	919.9	12.6	5071.1
10/11/2019 04:41	5.7	5.1	1004.9	919.9	12.6	5071.1
10/11/2019 04:56	5.7	4.4	1005	919.9	12.6	5071.1
10/11/2019 05:11	5.7	3.9	1005	919.9	12.6	5071.1
10/11/2019 05:26	5.7	3.8	1005.5	919.9	12.6	5071.1

10/11/2019 05:41	5.7	4	1005.6	920	12.6	5070.6
10/11/2019 05:56	5.7	4.3	1005.8	920	12.6	5070.6
10/11/2019 06:11	5.7	5	1006	920	12.6	5070.6
10/11/2019 06:26	5.7	5.4	1006.4	920	12.6	5070.6
10/11/2019 06:41	5.7	5.5	1006.2	920.1	12.6	5070.2
10/11/2019 06:56	5.7	6	1006.5	920.1	12.6	5070.2
10/11/2019 07:11	5.7	6.6	1006.4	920.1	12.6	5070.2
10/11/2019 07:26	5.7	7	1006.6	920.2	12.6	5069.7
10/11/2019 07:41	5.7	6.9	1007	920.3	12.6	5069.3
10/11/2019 07:56	5.7	6.4	1007.5	920.3	12.6	5069.3
10/11/2019 08:11	5.7	5.7	1007.8	920.3	12.6	5069.3
10/11/2019 08:26	5.7	5.5	1008.3	920.4	12.6	5068.8
10/11/2019 08:41	5.7	5.3	1008.1	920.4	12.6	5068.8
10/11/2019 08:56	5.7	5.3	1008.9	920.5	12.6	5068.4
10/11/2019 09:11	5.7	5.1	1009	920.5	12.6	5068.4
10/11/2019 09:26	5.7	4.9	1009.2	920.5	12.6	5068.4
10/11/2019 09:41	5.7	5	1009.3	920.5	12.6	5068.4
10/11/2019 09:56	5.7	6	1009.4	920.5	12.6	5068.4
10/11/2019 10:11	5.6	9.5	1009.7	920.5	12.6	5068.4
10/11/2019 10:26	5.6	12.3	1009.5	920.5	12.6	5068.4
10/11/2019 10:41	5.6	13.3	1009.8	920.5	12.6	5068.4
10/11/2019 10:56	5.6	13.1	1010.2	920.5	12.6	5068.4
10/11/2019 11:11	5.6	12.4	1010.3	920.4	12.6	5068.8
10/11/2019 11:26	5.6	11.8	1010.3	920.4	12.6	5068.8
10/11/2019 11:41	5.6	11.3	1010.4	920.4	12.6	5068.8
10/11/2019 11:56	5.6	11.1	1010.5	920.3	12.6	5069.3
10/11/2019 12:11	5.6	14.8	1009.9	920.2	12.6	5069.7
10/11/2019 12:26	5.6	19.5	1010.2	920.1	12.6	5070.2
10/11/2019 12:41	5.6	19.6	1010.1	920.1	12.6	5070.2
10/11/2019 12:56	5.6	17.9	1010.3	920.1	12.6	5070.2
10/11/2019 13:11	5.6	16.6	1010.4	920	12.6	5070.6
10/11/2019 13:26	5.6	15.4	1010.5	920	12.6	5070.6
10/11/2019 13:41	5.6	15.1	1010.2	920	12.6	5070.6
10/11/2019 13:56	5.6	17.4	1010.7	919.9	12.6	5071.1
10/11/2019 14:11	5.6	18.9	1010.8	920	12.6	5070.6
10/11/2019 14:26	5.6	18.6	1010.6	919.9	12.6	5071.1
10/11/2019 14:41	5.6	19.7	1010.7	919.9	12.6	5071.1
10/11/2019 14:56	5.6	19.6	1010.8	919.9	12.6	5071.1
10/11/2019 15:11	5.6	18.6	1010.4	919.9	12.6	5071.1
10/11/2019 15:26	5.6	18.8	1010.5	919.9	12.6	5071.1
10/11/2019 15:41	5.6	20	1010.8	919.8	12.6	5071.5
10/11/2019 15:56	5.6	20.8	1010.8	919.8	12.6	5071.5
10/11/2019 16:11	5.6	20.7	1011.2	919.9	12.6	5071.1
10/11/2019 16:26	5.6	19.9	1010.9	919.8	12.6	5071.5
10/11/2019 16:41	5.6	17.2	1011	919.8	12.6	5071.5
10/11/2019 16:56	5.6	14.7	1011.2	919.9	12.6	5071.1
10/11/2019 17:11	5.6	12.4	1011.3	919.9	12.6	5071.1
10/11/2019 17:26	5.6	10.4	1011.3	919.9	12.6	5071.1
10/11/2019 17:41	5.7	8.7	1011.5	919.9	12.6	5071.1
10/11/2019 17:56	5.7	7.2	1011.1	919.9	12.6	5071.1

10/11/2019 18:11	5.7	6	1010.8	919.9	12.6	5071.1
10/11/2019 18:26	5.7	4.9	1011	919.9	12.6	5071.1
10/11/2019 18:41	5.7	4	1011.2	920	12.6	5070.6
10/11/2019 18:56	5.7	3.3	1011.3	920	12.6	5070.6
10/11/2019 19:11	5.7	2.7	1011.3	920.1	12.6	5070.2
10/11/2019 19:26	5.7	2.2	1011.1	920.1	12.6	5070.2
10/11/2019 19:41	5.7	1.7	1010.6	920.1	12.7	5070.2
10/11/2019 19:56	5.7	1.4	1010.6	920.1	12.6	5070.2
10/11/2019 20:11	5.7	1	1010.1	920.1	12.6	5070.2
10/11/2019 20:26	5.7	0.8	1009.7	920.1	12.6	5070.2
10/11/2019 20:41	5.7	0.6	1010.3	920.2	12.6	5069.7
10/11/2019 20:56	5.7	0.5	1009.7	920.2	12.6	5069.7
10/11/2019 21:11	5.7	0.5	1009.8	920.2	12.6	5069.7
10/11/2019 21:26	5.7	0.6	1009.6	920.3	12.6	5069.3
10/11/2019 21:41	5.7	0.6	1009.7	920.3	12.6	5069.3
10/11/2019 21:56	5.7	0.7	1009.4	920.3	12.6	5069.3
10/11/2019 22:11	5.7	0.8	1009.4	920.3	12.6	5069.3
10/11/2019 22:26	5.7	1	1009.6	920.3	12.6	5069.3
10/11/2019 22:41	5.7	1.2	1009.7	920.3	12.6	5069.3
10/11/2019 22:56	5.7	1.3	1009	920.3	12.6	5069.3
10/11/2019 23:11	5.7	1.4	1008.5	920.2	12.6	5069.7
10/11/2019 23:26	5.7	1.8	1008.3	920.3	12.6	5069.3
10/11/2019 23:41	5.7	2	1007.9	920.2	12.6	5069.7
10/11/2019 23:56	5.7	2	1007.9	920.1	12.6	5070.2
11/11/2019 00:11	5.7	2.1	1007.9	920.1	12.6	5070.2
11/11/2019 00:26	5.7	2.5	1007.6	920.1	12.6	5070.2
11/11/2019 00:41	5.7	2.8	1007.5	920	12.6	5070.6
11/11/2019 00:56	5.7	3	1007.3	919.9	12.6	5071.1
11/11/2019 01:11	5.7	3.3	1006.8	919.9	12.6	5071.1
11/11/2019 01:26	5.7	3.6	1006.7	919.8	12.6	5071.5
11/11/2019 01:41	5.7	4.3	1006.2	919.8	12.6	5071.5
11/11/2019 01:56	5.7	4.8	1005.5	919.8	12.6	5071.5
11/11/2019 02:11	5.7	5.2	1005	919.8	12.6	5071.5
11/11/2019 02:26	5.7	5.4	1005.1	919.8	12.6	5071.5
11/11/2019 02:41	5.7	5.7	1004.3	919.8	12.6	5071.5
11/11/2019 02:56	5.7	5.9	1003.9	919.8	12.6	5071.5
11/11/2019 03:11	5.7	6.2	1004	919.8	12.6	5072
11/11/2019 03:26	5.7	6.5	1003.2	919.8	12.6	5071.5
11/11/2019 03:41	5.7	6.8	1002.6	919.8	12.6	5072
11/11/2019 03:56	5.7	7.2	1002.6	919.8	12.6	5072
11/11/2019 04:11	5.7	7.5	1001.9	919.8	12.6	5072
11/11/2019 04:26	5.7	8	1001.4	919.8	12.6	5072
11/11/2019 04:41	5.6	8.4	1000.8	919.8	12.6	5072
11/11/2019 04:56	5.6	8.7	1000.2	919.8	12.6	5072
11/11/2019 05:11	5.6	8.7	1000.1	919.8	12.6	5072
11/11/2019 05:26	5.6	8.6	1000	919.8	12.6	5072
11/11/2019 05:41	5.6	8.4	999.8	919.8	12.6	5072
11/11/2019 05:56	5.6	8.2	999.5	919.8	12.6	5072
11/11/2019 06:11	5.6	8.1	999.1	919.8	12.6	5071.5
11/11/2019 06:26	5.7	8	998.7	919.8	12.6	5071.5

11/11/2019 06:41	5.7	8	998.5	919.8	12.6	5072
11/11/2019 06:56	5.7	8	997.8	919.8	12.6	5071.5
11/11/2019 07:11	5.7	8	997.7	919.8	12.6	5072
11/11/2019 07:26	5.7	8	997.3	919.8	12.6	5071.5
11/11/2019 07:41	5.6	8	996.8	919.8	12.6	5071.5
11/11/2019 07:56	5.6	8	996.3	919.8	12.6	5071.5
11/11/2019 08:11	5.6	8	995.9	919.8	12.6	5071.5
11/11/2019 08:26	5.7	8.1	995.9	919.8	12.6	5071.5
11/11/2019 08:41	5.6	8.1	995.5	919.8	12.6	5071.5
11/11/2019 08:56	5.6	8.1	995.2	919.8	12.6	5072
11/11/2019 09:11	5.7	8.1	994.9	919.8	12.6	5071.5
11/11/2019 09:26	5.6	8.2	994.8	919.8	12.6	5071.5
11/11/2019 09:41	5.6	8.3	994.1	919.8	12.6	5071.5
11/11/2019 09:56	5.6	8.4	994.4	919.8	12.6	5071.5
11/11/2019 10:11	5.6	8.5	994	919.8	12.6	5071.5
11/11/2019 10:26	5.6	8.5	993.9	919.8	12.6	5071.5
11/11/2019 10:41	5.6	8.2	994	919.8	12.6	5071.5
11/11/2019 10:56	5.7	7.8	994	919.8	12.6	5071.5
11/11/2019 11:11	5.7	7.6	994.1	919.8	12.6	5071.5
11/11/2019 11:26	5.7	7.5	994.1	919.8	12.6	5071.5
11/11/2019 11:41	5.7	7.5	994.2	919.8	12.6	5071.5
11/11/2019 11:56	5.7	7.4	994.3	919.8	12.6	5072
11/11/2019 12:11	5.7	7.6	994.1	919.8	12.6	5072
11/11/2019 12:26	5.6	8	994.2	919.8	12.6	5072
11/11/2019 12:41	5.6	8	994.4	919.8	12.6	5072
11/11/2019 12:56	5.6	8.1	994.6	919.8	12.6	5072
11/11/2019 13:11	5.6	8.6	994.6	919.8	12.6	5072
11/11/2019 13:26	5.6	8.4	994.6	919.8	12.6	5072
11/11/2019 13:41	5.6	8.7	994.6	919.8	12.6	5072
11/11/2019 13:56	5.6	9.6	994.8	919.8	12.6	5072
11/11/2019 14:11	5.6	10.2	995	919.7	12.6	5072.4
11/11/2019 14:26	5.6	10.3	994.8	919.8	12.6	5072
11/11/2019 14:41	5.6	10.5	994.9	919.8	12.6	5072
11/11/2019 14:56	5.6	11.2	995.1	919.6	12.6	5072.9
11/11/2019 15:11	5.6	11.7	994.8	919.6	12.6	5072.9
11/11/2019 15:26	5.6	12.4	994.8	919.6	12.6	5072.9
11/11/2019 15:41	5.6	12.4	995	919.7	12.6	5072.4
11/11/2019 15:56	5.6	12.4	994.8	919.7	12.6	5072.4
11/11/2019 16:11	5.6	12	994.8	919.6	12.6	5072.9
11/11/2019 16:26	5.6	10.9	995.1	919.6	12.6	5072.9
11/11/2019 16:41	5.6	9.7	994.9	919.6	12.6	5072.9
11/11/2019 16:56	5.6	8.9	995.1	919.7	12.6	5072.4
11/11/2019 17:11	5.6	8.4	995.4	919.6	12.6	5072.9
11/11/2019 17:26	5.6	8.1	995.5	919.7	12.6	5072.4
11/11/2019 17:41	5.7	7.6	995.2	919.8	12.6	5072
11/11/2019 17:56	5.7	7.2	995.7	919.7	12.6	5072.4
11/11/2019 18:11	5.7	6.9	995.9	919.8	12.6	5072
11/11/2019 18:26	5.7	6.6	996	919.8	12.6	5072
11/11/2019 18:41	5.7	6.4	995.9	919.8	12.6	5072
11/11/2019 18:56	5.7	6.2	996.1	919.8	12.6	5072

11/11/2019 19:11	5.7	6.3	996.2	919.8	12.6	5072
11/11/2019 19:26	5.7	6.5	996.5	919.8	12.6	5072
11/11/2019 19:41	5.7	6.6	996.1	919.8	12.6	5071.5
11/11/2019 19:56	5.7	6.6	996.3	919.8	12.6	5072
11/11/2019 20:11	5.7	6.7	996.5	919.8	12.6	5072
11/11/2019 20:26	5.7	6.3	996.6	919.8	12.6	5072
11/11/2019 20:41	5.7	6	996.2	919.8	12.6	5072
11/11/2019 20:56	5.7	5.8	996.2	919.8	12.6	5071.5
11/11/2019 21:11	5.7	5.7	996.3	919.8	12.6	5072
11/11/2019 21:26	5.7	5.7	996.4	919.8	12.6	5071.5
11/11/2019 21:41	5.7	5.7	996.4	919.8	12.6	5072
11/11/2019 21:56	5.7	5.8	996.1	919.8	12.6	5071.5
11/11/2019 22:11	5.7	5.9	996.1	919.8	12.6	5071.5
11/11/2019 22:26	5.7	5.9	995.9	919.8	12.6	5072
11/11/2019 22:41	5.7	5.9	996	919.9	12.6	5071.1
11/11/2019 22:56	5.7	5.9	995.8	919.8	12.6	5071.5
11/11/2019 23:11	5.7	5.9	996.3	919.9	12.6	5071.1
11/11/2019 23:26	5.7	5.8	995.9	919.9	12.6	5071.1
11/11/2019 23:41	5.7	5.6	996.2	919.9	12.6	5071.1
11/11/2019 23:56	5.7	5.3	996	919.8	12.6	5071.5
12/11/2019 00:11	5.7	5.1	996	919.8	12.6	5071.5
12/11/2019 00:26	5.7	4.8	995.8	919.8	12.6	5071.5
12/11/2019 00:41	5.7	4.6	995.9	919.8	12.6	5072
12/11/2019 00:56	5.7	4.4	995.6	919.8	12.6	5072
12/11/2019 01:11	5.7	4.2	995.6	919.8	12.6	5072
12/11/2019 01:26	5.7	4	995.5	919.8	12.6	5072
12/11/2019 01:41	5.7	3.8	995.6	919.8	12.6	5071.5
12/11/2019 01:56	5.7	3.8	995.9	919.8	12.6	5072
12/11/2019 02:11	5.7	3.6	995.6	919.8	12.6	5072
12/11/2019 02:26	5.7	3.5	995.6	919.8	12.6	5072
12/11/2019 02:41	5.7	3.4	995.7	919.8	12.6	5072
12/11/2019 02:56	5.7	3.2	995.5	919.8	12.6	5072
12/11/2019 03:11	5.7	3.1	995.7	919.7	12.6	5072.4
12/11/2019 03:26	5.7	3	995.3	919.8	12.6	5072
12/11/2019 03:41	5.7	2.9	995.3	919.8	12.6	5072
12/11/2019 03:56	5.7	2.9	995.2	919.8	12.6	5072
12/11/2019 04:11	5.7	2.9	995.1	919.8	12.6	5072
12/11/2019 04:26	5.7	2.9	994.7	919.7	12.6	5072.4
12/11/2019 04:41	5.7	2.9	994.7	919.7	12.6	5072.4
12/11/2019 04:56	5.7	2.9	994.8	919.8	12.6	5072
12/11/2019 05:11	5.7	2.9	994.6	919.8	12.6	5072
12/11/2019 05:26	5.7	2.9	994.3	919.7	12.6	5072.4
12/11/2019 05:41	5.7	2.8	994.5	919.7	12.6	5072.4
12/11/2019 05:56	5.7	2.8	994.6	919.8	12.6	5072
12/11/2019 06:11	5.7	2.8	994.6	919.8	12.6	5072
12/11/2019 06:26	5.7	2.9	994.2	919.8	12.6	5072
12/11/2019 06:41	5.7	2.9	994.6	919.8	12.6	5072
12/11/2019 06:56	5.7	2.9	994.2	919.8	12.6	5072
12/11/2019 07:11	5.7	2.8	994.4	919.8	12.6	5071.5
12/11/2019 07:26	5.7	2.7	994.1	919.8	12.6	5072

12/11/2019 07:41	5.7	2.6	994	919.8	12.6	5072
12/11/2019 07:56	5.7	2.5	993.7	919.8	12.6	5071.5
12/11/2019 08:11	5.7	2.4	994.3	919.8	12.6	5071.5
12/11/2019 08:26	5.7	2.5	994.1	919.8	12.6	5072
12/11/2019 08:41	5.7	2.6	994.2	919.8	12.6	5072
12/11/2019 08:56	5.7	3	994	919.8	12.6	5071.5
12/11/2019 09:11	5.7	4.1	993.8	919.8	12.6	5071.5
12/11/2019 09:26	5.6	5.5	993.6	919.8	12.6	5071.5
12/11/2019 09:41	5.6	6.9	993.5	919.8	12.6	5071.5
12/11/2019 09:56	5.6	8.2	993.2	919.8	12.6	5071.5
12/11/2019 10:11	5.6	9.1	993.3	919.8	12.6	5071.5
12/11/2019 10:26	5.6	9.9	993.3	919.8	12.6	5071.5
12/11/2019 10:41	5.6	10.8	993.2	919.8	12.6	5071.5
12/11/2019 10:56	5.6	11.6	993.2	919.8	12.6	5072
12/11/2019 11:11	5.6	12.3	993	919.8	12.6	5071.5
12/11/2019 11:26	5.6	13.1	992.8	919.8	12.6	5071.5
12/11/2019 11:41	5.6	13.5	992.5	919.8	12.6	5071.5
12/11/2019 11:56	5.6	13.8	992.3	919.8	12.6	5071.5
12/11/2019 12:11	5.6	14.3	992.3	919.8	12.6	5072
12/11/2019 12:26	5.6	14.2	992.2	919.8	12.6	5071.5
12/11/2019 12:41	5.6	12.9	992.2	919.8	12.6	5072
12/11/2019 12:56	5.6	11.8	991.8	919.8	12.6	5072
12/11/2019 13:11	5.6	10.9	991.9	919.8	12.6	5072
12/11/2019 13:26	5.6	10.3	991.5	919.8	12.6	5072
12/11/2019 13:41	5.6	9.9	991.7	919.8	12.6	5072
12/11/2019 13:56	5.6	9.6	991.7	919.8	12.6	5072
12/11/2019 14:11	5.6	8.7	991.7	919.7	12.6	5072.4
12/11/2019 14:26	5.7	7.4	992.3	919.8	12.6	5072
12/11/2019 14:41	5.7	6.3	992.1	919.7	12.6	5072.4
12/11/2019 14:56	5.7	5.7	991.9	919.7	12.6	5072.4
12/11/2019 15:11	5.7	5.6	991.5	919.6	12.6	5072.9
12/11/2019 15:26	5.7	5.8	991.6	919.6	12.6	5072.9
12/11/2019 15:41	5.7	6.1	991.6	919.6	12.6	5072.9
12/11/2019 15:56	5.7	6.3	991.9	919.6	12.6	5072.9
12/11/2019 16:11	5.7	6.5	991.6	919.4	12.6	5073.8
12/11/2019 16:26	5.7	6.5	991.8	919.5	12.6	5073.3
12/11/2019 16:41	5.7	6.5	991.5	919.5	12.6	5073.3
12/11/2019 16:56	5.7	6.5	991.3	919.5	12.6	5073.3
12/11/2019 17:11	5.7	6.3	991.4	919.5	12.6	5073.3
12/11/2019 17:26	5.7	6	991.5	919.6	12.6	5072.9
12/11/2019 17:41	5.7	5.8	991.7	919.6	12.6	5072.9
12/11/2019 17:56	5.7	5.8	991.7	919.6	12.6	5072.9
12/11/2019 18:11	5.7	5.8	992	919.6	12.6	5072.9
12/11/2019 18:26	5.7	5.8	991.8	919.8	12.6	5072
12/11/2019 18:41	5.7	5.7	991.6	919.8	12.6	5072
12/11/2019 18:56	5.7	5.7	991.8	919.8	12.6	5072
12/11/2019 19:11	5.7	5.8	992.1	919.8	12.6	5072
12/11/2019 19:26	5.7	5.8	992	919.8	12.6	5072
12/11/2019 19:41	5.7	5.8	992	919.8	12.6	5072
12/11/2019 19:56	5.7	5.9	992.3	919.8	12.6	5072

12/11/2019 20:11	5.7	5.8	992.3	919.8	12.6	5072
12/11/2019 20:26	5.7	5.8	992	919.8	12.6	5072
12/11/2019 20:41	5.7	5.7	992.6	919.8	12.6	5072
12/11/2019 20:56	5.7	5.5	992.3	919.8	12.6	5072
12/11/2019 21:11	5.7	5.6	992.5	919.8	12.6	5072
12/11/2019 21:26	5.7	5.6	992.8	919.8	12.6	5071.5
12/11/2019 21:41	5.7	5.6	993	919.8	12.6	5072
12/11/2019 21:56	5.7	5.8	992.5	919.8	12.6	5071.5
12/11/2019 22:11	5.7	6.1	993.1	919.8	12.6	5071.5
12/11/2019 22:26	5.7	6.4	993.1	919.8	12.6	5071.5
12/11/2019 22:41	5.7	6.6	993.1	919.8	12.6	5072
12/11/2019 22:56	5.7	6.8	993.5	919.8	12.6	5071.5
12/11/2019 23:11	5.6	7	993.5	919.8	12.6	5071.5
12/11/2019 23:26	5.6	7.1	993.4	919.8	12.6	5071.5
12/11/2019 23:41	5.6	7.1	993.7	919.8	12.6	5071.5
12/11/2019 23:56	5.6	7.3	993.7	919.8	12.6	5071.5
13/11/2019 00:11	5.6	7.3	993.8	919.8	12.6	5071.5
13/11/2019 00:26	5.6	7.3	993.7	919.8	12.6	5071.5
13/11/2019 00:41	5.6	7.3	994.2	919.8	12.6	5071.5
13/11/2019 00:56	5.6	7.3	994.2	919.8	12.6	5071.5
13/11/2019 01:11	5.6	7.3	994.3	919.8	12.6	5071.5
13/11/2019 01:26	5.6	7.2	994.6	919.8	12.6	5071.5
13/11/2019 01:41	5.7	6.9	994.7	919.8	12.6	5071.5
13/11/2019 01:56	5.7	6.7	994.9	919.8	12.6	5071.5
13/11/2019 02:11	5.7	6.6	995	919.8	12.6	5072
13/11/2019 02:26	5.7	6.4	995.2	919.8	12.6	5072
13/11/2019 02:41	5.7	6.1	995.2	919.8	12.6	5072
13/11/2019 02:56	5.7	5.9	995.2	919.8	12.6	5072
13/11/2019 03:11	5.7	5.9	995.2	919.8	12.6	5072
13/11/2019 03:26	5.7	5.8	995.5	919.8	12.6	5071.5
13/11/2019 03:41	5.7	5.6	995.3	919.8	12.6	5072
13/11/2019 03:56	5.7	5.6	995.5	919.8	12.6	5072
13/11/2019 04:11	5.7	5.8	995.3	919.8	12.6	5072
13/11/2019 04:26	5.7	5.8	995.3	919.8	12.6	5072
13/11/2019 04:41	5.7	5.6	995.3	919.8	12.6	5072
13/11/2019 04:56	5.7	5.4	995.5	919.8	12.6	5072
13/11/2019 05:11	5.7	5.2	995.9	919.8	12.6	5072
13/11/2019 05:26	5.7	5	995.9	919.8	12.6	5072
13/11/2019 05:41	5.7	4.8	996	919.8	12.6	5072
13/11/2019 05:56	5.7	4.7	996.1	919.8	12.6	5072
13/11/2019 06:11	5.7	4.6	996.2	919.8	12.6	5072
13/11/2019 06:26	5.7	4.6	996.4	919.8	12.6	5072
13/11/2019 06:41	5.7	4.5	996.3	919.8	12.6	5071.5
13/11/2019 06:56	5.7	4.6	996.8	919.8	12.6	5072
13/11/2019 07:11	5.7	4.5	996.6	919.8	12.6	5072
13/11/2019 07:26	5.7	4.4	996.9	919.8	12.6	5072
13/11/2019 07:41	5.7	4.3	996.8	919.8	12.6	5071.5
13/11/2019 07:56	5.7	4	996.8	919.8	12.6	5071.5
13/11/2019 08:11	5.7	3.8	997	919.8	12.6	5071.5
13/11/2019 08:26	5.7	3.7	997.1	919.8	12.6	5071.5

13/11/2019 08:41	5.7	3.7	997.1	919.8	12.6	5071.5
13/11/2019 08:56	5.7	4	997.3	919.8	12.6	5071.5
13/11/2019 09:11	5.6	5.1	997.6	919.9	12.6	5071.1
13/11/2019 09:26	5.6	6.3	997.6	920.3	12.6	5069.3
13/11/2019 09:41	5.6	7.3	997.5	920.2	12.6	5069.7
13/11/2019 09:56	5.6	7.4	997.4	920	12.6	5070.6
13/11/2019 10:11	5.6	7.2	997.5	920	12.6	5070.6
13/11/2019 10:26	5.6	7.8	997.4	920	12.6	5070.6
13/11/2019 10:41	5.6	9.9	997.2	920	12.6	5070.6
13/11/2019 10:56	5.6	11.6	997.1	920	12.6	5070.6
13/11/2019 11:11	5.6	12.9	997.1	919.9	12.6	5071.1
13/11/2019 11:26	5.6	13.4	997	919.9	12.6	5071.1
13/11/2019 11:41	5.6	14.5	996.9	920	12.6	5070.6
13/11/2019 11:56	5.6	15.6	996.9	919.9	12.6	5071.1
13/11/2019 12:11	5.6	16.4	996.5	919.9	12.6	5071.1
13/11/2019 12:26	5.6	17.1	996.4	919.9	12.6	5071.1
13/11/2019 12:41	5.6	17.6	996.4	919.9	12.6	5071.1
13/11/2019 12:56	5.6	18.5	996.1	919.8	12.6	5071.5
13/11/2019 13:11	5.6	19.3	996.5	919.8	12.6	5071.5
13/11/2019 13:26	5.6	19.5	995.9	919.8	12.6	5071.5
13/11/2019 13:41	5.6	17.6	996.1	919.8	12.6	5072
13/11/2019 13:56	5.6	16.5	995.8	919.8	12.6	5072
13/11/2019 14:11	5.6	16	995.5	919.8	12.6	5072
13/11/2019 14:26	5.6	14.8	995.9	919.8	12.6	5071.5
13/11/2019 14:41	5.6	14.5	995.4	919.8	12.6	5072
13/11/2019 14:56	5.6	14.3	995.4	919.8	12.6	5072
13/11/2019 15:11	5.6	16.7	995.5	919.8	12.6	5071.5
13/11/2019 15:26	5.6	17.8	995.3	919.8	12.6	5072
13/11/2019 15:41	5.6	17.4	995.3	919.8	12.6	5072
13/11/2019 15:56	5.6	16.3	995.2	919.7	12.6	5072.4
13/11/2019 16:11	5.6	14.6	995.4	919.8	12.6	5072
13/11/2019 16:26	5.6	12.7	995.2	919.8	12.6	5072
13/11/2019 16:41	5.6	11.1	995.2	919.8	12.6	5072
13/11/2019 16:56	5.6	9.8	995.1	919.8	12.6	5072
13/11/2019 17:11	5.6	8.7	995	919.8	12.6	5072
13/11/2019 17:26	5.6	7.8	994.7	919.8	12.6	5072
13/11/2019 17:41	5.6	6.9	994.5	919.7	12.6	5072.4
13/11/2019 17:56	5.7	6.1	994.7	919.7	12.6	5072.4
13/11/2019 18:11	5.7	5.1	994.3	919.7	12.6	5072.4
13/11/2019 18:26	5.7	4.3	994.1	919.7	12.6	5072.4
13/11/2019 18:41	5.7	3.6	994.2	919.7	12.6	5072.4
13/11/2019 18:56	5.7	3.1	994.1	919.8	12.6	5072
13/11/2019 19:11	5.7	2.6	993.9	919.7	12.6	5072.4
13/11/2019 19:26	5.7	2.1	993.9	919.8	12.6	5072
13/11/2019 19:41	5.7	2	993.6	919.8	12.6	5072
13/11/2019 19:56	5.7	1.9	993.4	919.8	12.6	5072
13/11/2019 20:11	5.7	3.2	993.3	919.8	12.6	5072
13/11/2019 20:26	5.7	4.4	992.8	919.8	12.6	5072
13/11/2019 20:41	5.7	5.3	992.7	919.8	12.6	5072
13/11/2019 20:56	5.6	6.1	992.5	919.8	12.6	5072

13/11/2019 21:11	5.6	6.5	992.7	919.8	12.6	5072
13/11/2019 21:26	5.6	6.6	992.5	919.8	12.6	5072
13/11/2019 21:41	5.6	6.6	992.3	919.8	12.6	5071.5
13/11/2019 21:56	5.6	6.7	991.9	919.8	12.6	5072
13/11/2019 22:11	5.6	7.1	992.3	919.8	12.6	5071.5
13/11/2019 22:26	5.6	7.6	992	919.8	12.6	5071.5
13/11/2019 22:41	5.6	7.6	991.7	919.8	12.6	5072
13/11/2019 22:56	5.6	7.7	991.7	919.8	12.6	5072
13/11/2019 23:11	5.6	7.5	991.8	919.8	12.6	5071.5
13/11/2019 23:26	5.6	7.5	991.2	919.8	12.6	5072
13/11/2019 23:41	5.6	7.5	991.3	919.8	12.6	5071.5
13/11/2019 23:56	5.6	7.6	991.3	919.8	12.6	5071.5
14/11/2019 00:11	5.6	7.5	991.1	919.8	12.6	5071.5
14/11/2019 00:26	5.6	7.4	991.1	919.8	12.6	5072
14/11/2019 00:41	5.6	7.3	990.8	919.8	12.6	5071.5
14/11/2019 00:56	5.6	7.5	990.7	919.8	12.6	5072
14/11/2019 01:11	5.6	7.8	990.6	919.8	12.6	5071.5
14/11/2019 01:26	5.6	8.1	990.6	919.8	12.6	5072
14/11/2019 01:41	5.6	8.3	990.6	919.8	12.6	5072
14/11/2019 01:56	5.6	8.5	990.4	919.8	12.6	5072
14/11/2019 02:11	5.6	8.7	989.9	919.8	12.6	5072
14/11/2019 02:26	5.6	8.8	990	919.8	12.6	5072
14/11/2019 02:41	5.6	8.9	990.1	919.7	12.6	5072.4
14/11/2019 02:56	5.6	8.9	990.1	919.8	12.6	5072
14/11/2019 03:11	5.6	9	990	919.7	12.6	5072.4
14/11/2019 03:26	5.6	9	989.7	919.7	12.6	5072.4
14/11/2019 03:41	5.6	9	989.8	919.6	12.6	5072.9
14/11/2019 03:56	5.6	9.1	989.7	919.7	12.6	5072.4
14/11/2019 04:11	5.6	9.1	989.7	919.7	12.6	5072.4
14/11/2019 04:26	5.6	9.1	989.5	919.7	12.6	5072.4
14/11/2019 04:41	5.6	9.1	989.7	919.7	12.6	5072.4
14/11/2019 04:56	5.6	9.1	989.7	919.6	12.6	5072.9
14/11/2019 05:11	5.6	9.2	989.5	919.5	12.6	5073.3
14/11/2019 05:26	5.6	9.3	989.5	919.5	12.6	5073.3
14/11/2019 05:41	5.6	9.3	989.2	919.6	12.6	5072.9
14/11/2019 05:56	5.6	9.1	989.8	919.6	12.6	5072.9
14/11/2019 06:11	5.6	9	989.5	919.5	12.6	5073.3
14/11/2019 06:26	5.6	8.9	989.7	919.6	12.6	5072.9
14/11/2019 06:41	5.6	8.7	989.8	919.6	12.6	5072.9
14/11/2019 06:56	5.6	8.6	990	919.6	12.6	5072.9
14/11/2019 07:11	5.6	8.4	990.2	919.8	12.6	5072
14/11/2019 07:26	5.6	8.4	990	919.8	12.6	5072
14/11/2019 07:41	5.6	8.2	990.3	919.8	12.6	5071.5
14/11/2019 07:56	5.6	7.9	990.6	919.8	12.6	5072
14/11/2019 08:11	5.6	7.8	990.9	919.8	12.6	5072
14/11/2019 08:26	5.6	7.7	991	919.8	12.6	5072
14/11/2019 08:41	5.6	7.6	991.2	919.8	12.6	5071.5
14/11/2019 08:56	5.6	7.4	991.4	919.8	12.6	5072
14/11/2019 09:11	5.6	7.4	991.5	919.8	12.6	5072
14/11/2019 09:26	5.6	7.4	991.6	919.8	12.6	5072

14/11/2019 09:41	5.6	7.5	991.6	919.8	12.6	5072
14/11/2019 09:56	5.6	7.5	991.8	919.8	12.6	5071.5
14/11/2019 10:11	5.6	7.6	991.9	919.8	12.6	5071.5
14/11/2019 10:26	5.6	7.6	992	919.8	12.6	5071.5
14/11/2019 10:41	5.6	7.4	992.5	919.8	12.6	5071.5
14/11/2019 10:56	5.6	7.2	993.1	919.8	12.6	5071.5
14/11/2019 11:11	5.6	7	993.5	919.8	12.6	5071.5
14/11/2019 11:26	5.6	6.8	993.6	919.8	12.6	5071.5
14/11/2019 11:41	5.6	6.4	994	919.9	12.6	5071.1
14/11/2019 11:56	5.6	6.3	993.8	919.9	12.6	5071.1
14/11/2019 12:11	5.6	6.3	994	919.9	12.6	5071.1
14/11/2019 12:26	5.6	6.4	994.1	919.9	12.6	5071.1
14/11/2019 12:41	5.6	6.4	993.9	919.8	12.6	5071.5
14/11/2019 12:56	5.6	6.5	993.8	919.8	12.6	5071.5
14/11/2019 13:11	5.6	8.4	993.9	919.8	12.6	5071.5
14/11/2019 13:26	5.6	7.7	994.6	919.9	12.6	5071.1
14/11/2019 13:41	5.6	8.1	994.2	919.8	12.6	5071.5
14/11/2019 13:56	5.6	8.8	994.5	919.8	12.6	5071.5
14/11/2019 14:11	5.6	9.1	994.6	919.8	12.6	5072
14/11/2019 14:26	5.6	8.9	995.1	919.8	12.6	5071.5
14/11/2019 14:41	5.6	8.6	995	919.8	12.6	5071.5
14/11/2019 14:56	5.6	8.6	995	919.8	12.6	5072
14/11/2019 15:11	5.6	8.8	995.3	919.8	12.6	5071.5
14/11/2019 15:26	5.6	9.1	995.5	919.8	12.6	5072
14/11/2019 15:41	5.6	9	996	919.8	12.6	5072
14/11/2019 15:56	5.6	8.8	996	919.8	12.6	5072
14/11/2019 16:11	5.6	8.7	996.2	919.8	12.6	5072
14/11/2019 16:26	5.6	8.5	996.2	919.8	12.6	5072
14/11/2019 16:41	5.6	8.4	996.6	919.8	12.6	5072
14/11/2019 16:56	5.6	8.3	997	919.8	12.6	5072
14/11/2019 17:11	5.6	8.1	997.3	919.8	12.6	5072
14/11/2019 17:26	5.6	7.9	997.6	919.8	12.6	5072
14/11/2019 17:41	5.6	7.6	997.6	919.8	12.6	5072
14/11/2019 17:56	5.6	7.4	997.9	919.8	12.6	5072
14/11/2019 18:11	5.6	7.2	998.3	919.8	12.6	5072
14/11/2019 18:26	5.6	7.1	998.3	919.8	12.6	5072
14/11/2019 18:41	5.6	7.1	998.7	919.8	12.6	5072
14/11/2019 18:56	5.6	7.2	998.9	919.8	12.6	5072
14/11/2019 19:11	5.6	7.5	999	919.8	12.6	5072
14/11/2019 19:26	5.6	7.8	999.3	919.8	12.6	5072
14/11/2019 19:41	5.6	7.7	999.2	919.8	12.6	5072
14/11/2019 19:56	5.6	7.5	999.1	919.8	12.6	5071.5
14/11/2019 20:11	5.6	7.5	999.5	919.8	12.6	5072
14/11/2019 20:26	5.6	7.4	1000	919.8	12.6	5071.5
14/11/2019 20:41	5.6	7.3	999.8	919.8	12.6	5071.5
14/11/2019 20:56	5.6	7.2	1000	919.8	12.6	5071.5
14/11/2019 21:11	5.6	7.2	999.8	919.8	12.6	5072
14/11/2019 21:26	5.6	7.3	999.9	919.8	12.6	5071.5
14/11/2019 21:41	5.6	7.4	999.3	919.8	12.6	5071.5
14/11/2019 21:56	5.6	7.5	1000	919.8	12.6	5071.5

14/11/2019 22:11	5.6	7.6	1000.6	919.8	12.6	5071.5
14/11/2019 22:26	5.6	7.5	1000.8	919.9	12.6	5071.1
14/11/2019 22:41	5.6	7	1000.7	919.9	12.6	5071.1
14/11/2019 22:56	5.6	6.6	1001.1	920	12.6	5070.6
14/11/2019 23:11	5.6	6.3	1000.9	919.9	12.6	5071.1
14/11/2019 23:26	5.6	6	1000.8	920.1	12.6	5070.2
14/11/2019 23:41	5.6	5.8	1000.9	920	12.6	5070.6
14/11/2019 23:56	5.6	5.7	1000.9	920.1	12.6	5070.2
15/11/2019 00:11	5.6	5.7	1001.1	920.1	12.6	5070.2
15/11/2019 00:26	5.6	5.8	1000.7	920	12.6	5070.6
15/11/2019 00:41	5.6	5.8	1001.2	920	12.6	5070.6
15/11/2019 00:56	5.6	6.5	1000.9	920	12.6	5070.6
15/11/2019 01:11	5.6	7.2	1000.8	920	12.6	5070.6
15/11/2019 01:26	5.6	7.6	1000.7	920	12.6	5070.6
15/11/2019 01:41	5.6	7.9	1000.9	920	12.6	5070.6
15/11/2019 01:56	5.6	8.3	1001	920	12.6	5070.6
15/11/2019 02:11	5.6	8.4	1000.6	920	12.6	5070.6
15/11/2019 02:26	5.6	8.5	1000.7	919.9	12.6	5071.1
15/11/2019 02:41	5.6	8.7	1001	919.8	12.6	5071.5
15/11/2019 02:56	5.6	8.6	1000.7	919.8	12.6	5071.5
15/11/2019 03:11	5.6	8.3	1000.5	919.8	12.6	5071.5
15/11/2019 03:26	5.6	7.7	1000.5	919.8	12.6	5071.5
15/11/2019 03:41	5.6	7.2	999.9	919.8	12.6	5072
15/11/2019 03:56	5.6	6.8	1000.3	919.8	12.6	5071.5
15/11/2019 04:11	5.6	6.6	1000.2	919.8	12.6	5071.5
15/11/2019 04:26	5.6	6.4	1000.3	919.8	12.6	5072
15/11/2019 04:41	5.6	6.3	1000	919.8	12.6	5072
15/11/2019 04:56	5.6	6.3	1000.1	919.8	12.6	5072
15/11/2019 05:11	5.6	6.4	1000.2	919.8	12.6	5072
15/11/2019 05:26	5.6	6.5	1000.2	919.8	12.6	5072
15/11/2019 05:41	5.6	6.6	1000.4	919.8	12.6	5072
15/11/2019 05:56	5.6	6.6	999.8	919.8	12.6	5072
15/11/2019 06:11	5.6	6.6	999.9	919.8	12.6	5072
15/11/2019 06:26	5.6	7.4	999.8	919.8	12.6	5072
15/11/2019 06:41	5.6	8.5	1000	919.8	12.6	5072
15/11/2019 06:56	5.6	9	999.5	919.8	12.6	5072
15/11/2019 07:11	5.6	9.3	999.2	919.8	12.6	5072
15/11/2019 07:26	5.6	9.5	999.4	919.8	12.6	5072
15/11/2019 07:41	5.6	9.5	999.4	919.8	12.6	5072
15/11/2019 07:56	5.6	9.5	999.4	919.8	12.6	5072
15/11/2019 08:11	5.6	9.6	999.3	919.8	12.6	5072
15/11/2019 08:26	5.6	9.6	999.6	919.8	12.6	5072
15/11/2019 08:41	5.6	9.6	999.9	919.8	12.6	5071.5
15/11/2019 08:56	5.6	9.6	999.8	919.8	12.6	5071.5
15/11/2019 09:11	5.6	9.6	1000	919.8	12.6	5071.5
15/11/2019 09:26	5.6	9.7	1000	919.8	12.6	5071.5
15/11/2019 09:41	5.6	9.6	1000.4	919.8	12.6	5071.5
15/11/2019 09:56	5.6	9.6	1000.4	919.9	12.6	5071.1
15/11/2019 10:11	5.6	9.7	1000.7	919.8	12.6	5071.5
15/11/2019 10:26	5.6	9.8	1000.4	919.9	12.6	5071.1

15/11/2019 10:41	5.6	9.9	1000.3	919.9	12.6	5071.1
15/11/2019 10:56	5.6	10.1	1000.9	919.9	12.6	5071.1
15/11/2019 11:11	5.6	9.9	1000.5	920	12.6	5070.6
15/11/2019 11:26	5.6	9.8	1000.8	920	12.6	5070.6
15/11/2019 11:41	5.6	9.7	1000.4	920	12.6	5070.6
15/11/2019 11:56	5.6	9.6	1000.6	920	12.6	5070.6
15/11/2019 12:11	5.6	9.6	1000.2	920.1	12.6	5070.2
15/11/2019 12:26	5.6	9.6	1000.1	920	12.6	5070.6
15/11/2019 12:41	5.6	9.4	1000.1	920	12.6	5070.6
15/11/2019 12:56	5.6	9.3	999.8	920	12.6	5070.6
15/11/2019 13:11	5.6	8.9	999.2	920	12.6	5070.6
15/11/2019 13:26	5.6	8.7	999.2	920	12.6	5070.6
15/11/2019 13:41	5.6	9.1	998.9	920	12.6	5070.6
15/11/2019 13:56	5.6	9.3	998.7	920	12.6	5070.6
15/11/2019 14:11	5.6	9.4	999	919.9	12.6	5071.1
15/11/2019 14:26	5.6	9.2	998.5	919.9	12.6	5071.1
15/11/2019 14:41	5.6	9.1	998.3	919.9	12.6	5071.1
15/11/2019 14:56	5.6	8.8	998.4	919.8	12.6	5071.5
15/11/2019 15:11	5.6	8.9	998	919.8	12.6	5071.5
15/11/2019 15:26	5.6	9	998.2	919.8	12.6	5071.5
15/11/2019 15:41	5.6	9	998.1	919.8	12.6	5071.5
15/11/2019 15:56	5.6	9	997.8	919.8	12.6	5072
15/11/2019 16:11	5.6	9	997.9	919.8	12.6	5072
15/11/2019 16:26	5.6	9	997.9	919.8	12.6	5072
15/11/2019 16:41	5.6	8.9	998.3	919.8	12.6	5072
15/11/2019 16:56	5.6	8.9	998	919.8	12.6	5072
15/11/2019 17:11	5.6	8.6	998.1	919.8	12.6	5072
15/11/2019 17:26	5.6	8.4	998.3	919.8	12.6	5072
15/11/2019 17:41	5.6	8	998.2	919.8	12.6	5072
15/11/2019 17:56	5.6	7.7	998.5	919.8	12.6	5071.5
15/11/2019 18:11	5.6	7.6	998.2	919.8	12.6	5072
15/11/2019 18:26	5.6	7.7	998.3	919.8	12.6	5072
15/11/2019 18:41	5.6	7.7	998.2	919.7	12.6	5072.4
15/11/2019 18:56	5.6	7.6	998.3	919.7	12.6	5072.4
15/11/2019 19:11	5.6	7.6	998.7	919.8	12.6	5072
15/11/2019 19:26	5.6	7.8	998.6	919.8	12.6	5072
15/11/2019 19:41	5.6	7.8	999	919.8	12.6	5072
15/11/2019 19:56	5.6	7.6	998.9	919.8	12.6	5072
15/11/2019 20:11	5.6	7.6	999.2	919.8	12.6	5072
15/11/2019 20:26	5.6	7.6	998.9	919.8	12.6	5072
15/11/2019 20:41	5.6	7.7	999	919.8	12.6	5072
15/11/2019 20:56	5.6	7.8	999.1	919.8	12.6	5071.5
15/11/2019 21:11	5.6	7.9	999.3	919.8	12.6	5071.5
15/11/2019 21:26	5.6	8.2	999.2	919.8	12.6	5071.5
15/11/2019 21:41	5.6	8.3	999.6	919.8	12.6	5071.5
15/11/2019 21:56	5.6	8.4	999.4	919.8	12.6	5072
15/11/2019 22:11	5.6	8.4	999.6	919.8	12.6	5072
15/11/2019 22:26	5.6	8.4	999.8	919.8	12.6	5071.5
15/11/2019 22:41	5.6	8.4	999.8	919.8	12.6	5071.5
15/11/2019 22:56	5.6	8.4	999.9	919.9	12.6	5071.1

15/11/2019 23:11	5.6	8.5	999.6	919.9	12.6	5071.1
15/11/2019 23:26	5.6	8.5	1000	919.9	12.6	5071.1
15/11/2019 23:41	5.6	8.5	1000.6	919.9	12.6	5071.1
15/11/2019 23:56	5.6	8.5	1000.1	919.9	12.6	5071.1
16/11/2019 00:11	5.6	8.5	1000.4	919.9	12.6	5071.1
16/11/2019 00:26	5.6	8.4	1000.6	920	12.6	5070.6
16/11/2019 00:41	5.6	8.3	1000.9	920	12.6	5070.6
16/11/2019 00:56	5.6	8.2	1000.6	920	12.6	5070.6
16/11/2019 01:11	5.6	8	1000.5	919.9	12.6	5071.1
16/11/2019 01:26	5.6	7.8	1000.8	919.9	12.6	5071.1
16/11/2019 01:41	5.6	7.7	1000.8	920	12.6	5070.6
16/11/2019 01:56	5.6	7.6	1000.7	919.9	12.6	5071.1
16/11/2019 02:11	5.6	7.7	1000.8	919.9	12.6	5071.1
16/11/2019 02:26	5.6	7.9	1000.8	919.9	12.6	5071.1
16/11/2019 02:41	5.6	8.1	1000.9	920	12.6	5070.6
16/11/2019 02:56	5.6	8.1	1000.9	919.9	12.6	5071.1
16/11/2019 03:11	5.6	7.9	1001.3	919.8	12.6	5071.5
16/11/2019 03:26	5.6	7.8	1001.2	919.9	12.6	5071.1
16/11/2019 03:41	5.6	7.7	1001.2	919.8	12.6	5071.5
16/11/2019 03:56	5.6	7.7	1001.3	919.8	12.6	5072
16/11/2019 04:11	5.6	7.8	1001.5	919.8	12.6	5071.5
16/11/2019 04:26	5.6	7.8	1001.7	919.8	12.6	5071.5
16/11/2019 04:41	5.6	7.8	1001.5	919.8	12.6	5071.5
16/11/2019 04:56	5.6	7.7	1001.9	919.8	12.6	5071.5
16/11/2019 05:11	5.6	7.6	1001.4	919.8	12.6	5072
16/11/2019 05:26	5.6	7.6	1001.7	919.8	12.6	5072
16/11/2019 05:41	5.6	7.7	1001.8	919.8	12.6	5072
16/11/2019 05:56	5.6	7.9	1001.8	919.8	12.6	5072
16/11/2019 06:11	5.6	7.8	1001.7	919.8	12.6	5072
16/11/2019 06:26	5.6	7.8	1002	919.8	12.6	5072
16/11/2019 06:41	5.6	7.9	1001.9	919.8	12.6	5072
16/11/2019 06:56	5.6	8	1002.3	919.8	12.6	5072
16/11/2019 07:11	5.6	8	1002.3	919.8	12.6	5071.5
16/11/2019 07:26	5.6	7.9	1002.3	919.8	12.6	5072
16/11/2019 07:41	5.6	8	1002.2	919.8	12.6	5072
16/11/2019 07:56	5.6	7.8	1002.5	919.8	12.6	5071.5
16/11/2019 08:11	5.6	7.5	1002.4	919.8	12.6	5071.5
16/11/2019 08:26	5.6	7.2	1002.7	919.8	12.6	5072
16/11/2019 08:41	5.6	6.6	1002.8	919.8	12.6	5071.5
16/11/2019 08:56	5.6	6.3	1002.7	919.8	12.6	5072
16/11/2019 09:11	5.6	6.3	1002.9	919.8	12.6	5072
16/11/2019 09:26	5.6	6.5	1003.1	919.8	12.6	5071.5
16/11/2019 09:41	5.6	6.7	1003.3	919.8	12.6	5071.5
16/11/2019 09:56	5.6	7.1	1003	919.8	12.6	5071.5
16/11/2019 10:11	5.6	8.1	1003.2	919.8	12.6	5071.5
16/11/2019 10:26	5.6	8.9	1003.2	919.9	12.6	5071.1
16/11/2019 10:41	5.6	9.6	1003.1	919.9	12.6	5071.1
16/11/2019 10:56	5.6	10.1	1003.7	919.9	12.6	5071.1
16/11/2019 11:11	5.6	10.5	1003.1	920	12.6	5070.6
16/11/2019 11:26	5.6	10.8	1003.4	920.1	12.6	5070.2

16/11/2019 11:41	5.6	11.1	1003.2	920.1	12.6	5070.2
16/11/2019 11:56	5.6	11.2	1003.2	920.1	12.6	5070.2
16/11/2019 12:11	5.6	11.2	1003.5	920.2	12.6	5069.7
16/11/2019 12:26	5.6	11.5	1003.5	920.1	12.6	5070.2
16/11/2019 12:41	5.6	11.7	1003.2	920.2	12.6	5069.7
16/11/2019 12:56	5.6	11.6	1003.1	920.2	12.6	5069.7
16/11/2019 13:11	5.6	11.2	1003.2	920.2	12.6	5069.7
16/11/2019 13:26	5.6	10.9	1003.1	920.2	12.6	5069.7
16/11/2019 13:41	5.6	10.5	1003.3	920.2	12.6	5069.7
16/11/2019 13:56	5.6	10.3	1003.7	920.1	12.6	5070.2
16/11/2019 14:11	5.6	10.1	1003.3	920.2	12.6	5069.7
16/11/2019 14:26	5.6	9.9	1003.3	920.2	12.6	5069.7
16/11/2019 14:41	5.6	9.6	1003.4	920.2	12.6	5069.7
16/11/2019 14:56	5.6	9.3	1003.2	920.1	12.6	5070.2
16/11/2019 15:11	5.6	9.1	1003.3	920	12.6	5070.6
16/11/2019 15:26	5.6	8.8	1003.3	920	12.6	5070.6
16/11/2019 15:41	5.6	8.6	1003.5	919.9	12.6	5071.1
16/11/2019 15:56	5.6	8.4	1003.7	919.9	12.6	5071.1
16/11/2019 16:11	5.6	8.3	1003.5	919.9	12.6	5071.1
16/11/2019 16:26	5.6	8.2	1003.7	919.9	12.6	5071.1
16/11/2019 16:41	5.6	8	1003.8	919.9	12.6	5071.1
16/11/2019 16:56	5.6	7.8	1004.4	919.8	12.6	5071.5
16/11/2019 17:11	5.6	7.6	1004.2	919.8	12.6	5071.5
16/11/2019 17:26	5.6	7.4	1004.3	919.8	12.6	5071.5
16/11/2019 17:41	5.6	7.3	1004.3	919.8	12.6	5071.5
16/11/2019 17:56	5.6	7.2	1004.3	919.8	12.6	5071.5
16/11/2019 18:11	5.6	7.1	1004.6	919.8	12.6	5072
16/11/2019 18:26	5.6	7	1004.6	919.8	12.6	5072
16/11/2019 18:41	5.6	6.9	1004.5	919.8	12.6	5072
16/11/2019 18:56	5.6	6.9	1004.7	919.8	12.6	5072
16/11/2019 19:11	5.6	6.8	1004.7	919.8	12.6	5071.5
16/11/2019 19:26	5.6	6.7	1004.6	919.8	12.6	5072
16/11/2019 19:41	5.6	6.7	1005	919.8	12.6	5072
16/11/2019 19:56	5.6	6.6	1004.7	919.8	12.6	5072
16/11/2019 20:11	5.6	6.4	1004.9	919.8	12.6	5071.5
16/11/2019 20:26	5.6	6.1	1004.9	919.8	12.6	5071.5
16/11/2019 20:41	5.6	5.9	1005.2	919.8	12.6	5072
16/11/2019 20:56	5.6	5.8	1005.4	919.8	12.6	5071.5
16/11/2019 21:11	5.6	5.7	1005.6	919.9	12.6	5071.1
16/11/2019 21:26	5.6	5.6	1005.4	919.9	12.6	5071.1
16/11/2019 21:41	5.6	5.4	1005.6	919.9	12.6	5071.1
16/11/2019 21:56	5.6	5.3	1005.7	919.9	12.6	5071.1
16/11/2019 22:11	5.6	5.2	1005.8	919.9	12.6	5071.1
16/11/2019 22:26	5.6	5.1	1005.8	919.9	12.6	5071.1
16/11/2019 22:41	5.6	4.9	1005.6	919.9	12.6	5071.1
16/11/2019 22:56	5.6	4.7	1005.8	920	12.6	5070.6
16/11/2019 23:11	5.6	4.6	1005.8	920	12.6	5070.6
16/11/2019 23:26	5.6	4.3	1005.8	920.1	12.6	5070.2
16/11/2019 23:41	5.6	4.2	1005.8	920.1	12.6	5070.2
16/11/2019 23:56	5.6	4	1005.7	920.2	12.6	5069.7

17/11/2019 00:11	5.7	3.8	1005.8	920.1	12.6	5070.2
17/11/2019 00:26	5.7	3.6	1005.9	920.1	12.6	5070.2
17/11/2019 00:41	5.7	3.4	1006.4	920.2	12.6	5069.7
17/11/2019 00:56	5.7	3.2	1006.4	920.2	12.6	5069.7
17/11/2019 01:11	5.7	3	1006.1	920.2	12.6	5069.7
17/11/2019 01:26	5.7	3	1006.1	920.2	12.6	5069.7
17/11/2019 01:41	5.7	2.9	1006.2	920.1	12.6	5070.2
17/11/2019 01:56	5.7	2.8	1006	920.2	12.6	5069.7
17/11/2019 02:11	5.7	2.8	1006.2	920.2	12.6	5069.7
17/11/2019 02:26	5.7	2.7	1006.3	920.3	12.6	5069.3
17/11/2019 02:41	5.7	2.8	1006.4	920.2	12.6	5069.7
17/11/2019 02:56	5.7	3	1006.2	920.2	12.6	5069.7
17/11/2019 03:11	5.7	2.9	1006.2	920.1	12.6	5070.2
17/11/2019 03:26	5.7	2.8	1006.1	920.1	12.6	5070.2
17/11/2019 03:41	5.7	2.8	1006.1	920	12.6	5070.6
17/11/2019 03:56	5.7	2.5	1006.1	919.9	12.6	5071.1
17/11/2019 04:11	5.7	2.4	1006.1	919.9	12.6	5071.1
17/11/2019 04:26	5.7	2.3	1006.3	919.9	12.6	5071.1
17/11/2019 04:41	5.7	2.1	1006.4	919.9	12.6	5071.1
17/11/2019 04:56	5.7	1.9	1006.4	919.8	12.6	5071.5
17/11/2019 05:11	5.7	1.7	1006.3	919.9	12.6	5071.1
17/11/2019 05:26	5.7	1.6	1006.2	919.8	12.6	5071.5
17/11/2019 05:41	5.7	1.5	1006.8	919.8	12.6	5071.5
17/11/2019 05:56	5.7	1.6	1006.4	919.8	12.6	5071.5
17/11/2019 06:11	5.7	1.7	1006.6	919.8	12.6	5071.5
17/11/2019 06:26	5.7	1.6	1006.7	919.8	12.6	5072
17/11/2019 06:41	5.7	1.5	1007	919.8	12.6	5071.5
17/11/2019 06:56	5.7	1.4	1007	919.8	12.6	5071.5
17/11/2019 07:11	5.7	1.3	1007.2	919.8	12.6	5072
17/11/2019 07:26	5.7	1.3	1007.3	919.8	12.6	5071.5
17/11/2019 07:41	5.7	1.2	1007.5	919.8	12.6	5072
17/11/2019 07:56	5.7	1.1	1007.5	919.8	12.6	5072
17/11/2019 08:11	5.7	1.1	1007.7	919.8	12.6	5071.5
17/11/2019 08:26	5.7	1.2	1007.9	919.8	12.6	5071.5
17/11/2019 08:41	5.7	1.5	1007.7	919.8	12.6	5072
17/11/2019 08:56	5.7	1.8	1007.9	919.8	12.6	5071.5
17/11/2019 09:11	5.7	2.1	1008	919.8	12.6	5071.5
17/11/2019 09:26	5.7	2.5	1008.3	919.9	12.6	5071.1
17/11/2019 09:41	5.7	3	1008.1	919.9	12.6	5071.1
17/11/2019 09:56	5.7	3.5	1008.4	919.9	12.6	5071.1
17/11/2019 10:11	5.6	4	1008.4	919.9	12.6	5071.1
17/11/2019 10:26	5.6	4.4	1008.4	920	12.6	5070.6
17/11/2019 10:41	5.6	4.8	1008.3	920	12.6	5070.6
17/11/2019 10:56	5.6	5.2	1008.5	920	12.6	5070.6
17/11/2019 11:11	5.6	5.7	1008.2	920.1	12.6	5070.2
17/11/2019 11:26	5.6	6.4	1008.2	920	12.6	5070.6
17/11/2019 11:41	5.6	7.4	1008.1	920.2	12.6	5069.7
17/11/2019 11:56	5.6	8.8	1008.2	920.2	12.6	5069.7
17/11/2019 12:11	5.6	10.1	1008.2	920.3	12.6	5069.3
17/11/2019 12:26	5.6	10.9	1008	920.3	12.6	5069.3

17/11/2019 12:41	5.6	11.1	1007.8	920.4	12.6	5068.8
17/11/2019 12:56	5.6	11.3	1007.8	920.4	12.6	5068.8
17/11/2019 13:11	5.6	11.5	1007.9	920.4	12.6	5068.8
17/11/2019 13:26	5.6	11.6	1007.9	920.4	12.6	5068.8
17/11/2019 13:41	5.6	11.5	1008.2	920.5	12.6	5068.4
17/11/2019 13:56	5.6	11.1	1008.2	920.4	12.6	5068.8
17/11/2019 14:11	5.6	10.6	1008.3	920.5	12.6	5068.4
17/11/2019 14:26	5.6	10.3	1008.3	920.4	12.6	5068.8
17/11/2019 14:41	5.6	9.9	1008.5	920.5	12.6	5068.4
17/11/2019 14:56	5.6	9.6	1008.5	920.5	12.6	5068.4
17/11/2019 15:11	5.6	9.5	1008.5	920.4	12.6	5068.8
17/11/2019 15:26	5.6	9.4	1008.6	920.4	12.6	5068.8
17/11/2019 15:41	5.6	9.2	1008.6	920.4	12.6	5068.8
17/11/2019 15:56	5.6	9	1009	920.4	12.6	5068.8
17/11/2019 16:11	5.6	8.6	1008.8	920.3	12.6	5069.3
17/11/2019 16:26	5.6	8.2	1008.7	920.3	12.6	5069.3
17/11/2019 16:41	5.6	7.7	1008.7	920.1	12.6	5070.2
17/11/2019 16:56	5.6	7	1009	920	12.6	5070.6
17/11/2019 17:11	5.6	6.3	1008.8	920.1	12.6	5070.2
17/11/2019 17:26	5.6	5.5	1009	920	12.6	5070.6
17/11/2019 17:41	5.6	4.8	1008.8	920	12.6	5070.6
17/11/2019 17:56	5.6	4.3	1009	919.9	12.6	5071.1
17/11/2019 18:11	5.6	3.7	1009	919.9	12.6	5071.1
17/11/2019 18:26	5.7	3.1	1009.1	919.9	12.6	5071.1
17/11/2019 18:41	5.7	2.5	1009	919.9	12.6	5071.1
17/11/2019 18:56	5.7	2	1009.6	919.9	12.6	5071.1
17/11/2019 19:11	5.7	1.5	1010	919.9	12.6	5071.1
17/11/2019 19:26	5.7	1.2	1009.9	919.8	12.6	5071.5
17/11/2019 19:41	5.7	0.8	1009.6	919.9	12.6	5071.1
17/11/2019 19:56	5.7	0.5	1010	919.8	12.6	5071.5
17/11/2019 20:11	5.7	0.6	1010	919.9	12.6	5071.1
17/11/2019 20:26	5.7	1.2	1009.7	919.8	12.6	5071.5
17/11/2019 20:41	5.7	1.9	1009.6	919.9	12.6	5071.1
17/11/2019 20:56	5.7	2.5	1009.5	919.9	12.6	5071.1
17/11/2019 21:11	5.7	3	1009.7	919.9	12.6	5071.1
17/11/2019 21:26	5.7	3.4	1009.3	919.9	12.6	5071.1
17/11/2019 21:41	5.6	3.7	1009.2	919.9	12.6	5071.1
17/11/2019 21:56	5.6	3.8	1009.4	920	12.6	5070.6
17/11/2019 22:11	5.6	4.1	1009.4	920.1	12.6	5070.2
17/11/2019 22:26	5.6	4.4	1009.5	920.1	12.6	5070.2
17/11/2019 22:41	5.6	4.8	1009.8	920	12.6	5070.6
17/11/2019 22:56	5.6	5	1009.1	920.1	12.6	5070.2
17/11/2019 23:11	5.6	5.2	1009.2	920.1	12.6	5070.2
17/11/2019 23:26	5.6	5.4	1008.9	920.2	12.6	5069.7
17/11/2019 23:41	5.6	5.6	1008.5	920.1	12.6	5070.2
17/11/2019 23:56	5.6	5.8	1008.3	920.2	12.6	5069.7
18/11/2019 00:11	5.6	6	1008.6	920.2	12.6	5069.7
18/11/2019 00:26	5.6	6.2	1008.6	920.3	12.6	5069.3
18/11/2019 00:41	5.6	6.3	1008.5	920.3	12.6	5069.3
18/11/2019 00:56	5.6	6.5	1008.4	920.3	12.6	5069.3

18/11/2019 01:11	5.6	6.8	1008.5	920.4	12.6	5068.8
18/11/2019 01:26	5.6	7.2	1008.2	920.3	12.6	5069.3
18/11/2019 01:41	5.6	7.5	1008.3	920.4	12.6	5068.8
18/11/2019 01:56	5.6	7.7	1008.4	920.4	12.6	5068.8
18/11/2019 02:11	5.6	7.8	1008.4	920.4	12.6	5068.8
18/11/2019 02:26	5.6	7.8	1008.4	920.3	12.6	5069.3
18/11/2019 02:41	5.6	7.8	1008.3	920.3	12.6	5069.3
18/11/2019 02:56	5.6	7.8	1008.4	920.3	12.6	5069.3
18/11/2019 03:11	5.6	7.8	1008.4	920.3	12.6	5069.3
18/11/2019 03:26	5.6	7.7	1008.5	920.3	12.6	5069.3
18/11/2019 03:41	5.6	7.6	1008.5	920.4	12.6	5068.8
18/11/2019 03:56	5.6	7.4	1008.4	920.3	12.6	5069.3
18/11/2019 04:11	5.6	7.4	1008.4	920.3	12.6	5069.3
18/11/2019 04:26	5.6	7.3	1008.5	920.3	12.6	5069.3
18/11/2019 04:41	5.6	7.3	1008.9	920.2	12.6	5069.7
18/11/2019 04:56	5.6	7.3	1008.5	920.1	12.6	5070.2
18/11/2019 05:11	5.6	7.3	1008.6	920.1	12.6	5070.2
18/11/2019 05:26	5.6	7.3	1008.3	920	12.6	5070.6
18/11/2019 05:41	5.6	7.2	1008.5	920	12.6	5070.6
18/11/2019 05:56	5.6	7.1	1008.3	920	12.6	5070.6
18/11/2019 06:11	5.6	7.3	1008.4	919.9	12.6	5071.1
18/11/2019 06:26	5.6	7.4	1008.9	919.9	12.6	5071.1
18/11/2019 06:41	5.6	7.5	1008.6	919.9	12.6	5071.1
18/11/2019 06:56	5.6	7.5	1008.9	919.8	12.6	5071.5
18/11/2019 07:11	5.6	7.5	1009	919.8	12.6	5071.5
18/11/2019 07:26	5.6	7.4	1008.8	919.8	12.6	5071.5
18/11/2019 07:41	5.6	7.5	1009	919.8	12.6	5071.5
18/11/2019 07:56	5.6	7.6	1009.3	919.8	12.6	5071.5
18/11/2019 08:11	5.6	7.5	1009.2	919.9	12.6	5071.1
18/11/2019 08:26	5.6	7.4	1009.4	919.8	12.6	5071.5
18/11/2019 08:41	5.6	7.4	1009.6	919.9	12.6	5071.1
18/11/2019 08:56	5.6	7.5	1009.6	919.8	12.6	5071.5
18/11/2019 09:11	5.6	7.7	1009.7	919.8	12.6	5071.5
18/11/2019 09:26	5.6	7.8	1009.9	919.9	12.6	5071.1
18/11/2019 09:41	5.6	8.3	1009.8	919.9	12.6	5071.1
18/11/2019 09:56	5.6	8.9	1009.5	919.9	12.6	5071.1
18/11/2019 10:11	5.6	9.7	1009.6	919.9	12.6	5071.1
18/11/2019 10:26	5.6	10	1009.8	919.9	12.6	5071.1
18/11/2019 10:41	5.6	9.8	1009.7	920	12.6	5070.6
18/11/2019 10:56	5.6	9.7	1009.7	920	12.6	5070.6
18/11/2019 11:11	5.6	11.1	1009.8	920.1	12.6	5070.2
18/11/2019 11:26	5.6	12.4	1009.7	920.1	12.6	5070.2
18/11/2019 11:41	5.6	13	1009.5	920.1	12.6	5070.2
18/11/2019 11:56	5.6	14	1009.4	920.1	12.6	5070.2
18/11/2019 12:11	5.6	14.4	1009.2	920.2	12.6	5069.7
18/11/2019 12:26	5.6	13.6	1009.3	920.3	12.6	5069.3
18/11/2019 12:41	5.6	12.4	1009.2	920.3	12.6	5069.3
18/11/2019 12:56	5.6	13.4	1009.5	920.3	12.6	5069.3
18/11/2019 13:11	5.6	14.2	1009.4	920.4	12.6	5068.8
18/11/2019 13:26	5.6	13.4	1009.5	920.4	12.6	5068.8

18/11/2019 13:41	5.6	12	1009.7	920.4	12.6	5068.8
18/11/2019 13:56	5.6	12.6	1009.6	920.5	12.6	5068.4
18/11/2019 14:11	5.6	12.5	1009.6	920.5	12.6	5068.4
18/11/2019 14:26	5.6	12	1010	920.5	12.6	5068.4
18/11/2019 14:41	5.6	12.6	1010.2	920.6	12.6	5067.9
18/11/2019 14:56	5.6	14.1	1009.8	920.6	12.6	5067.9
18/11/2019 15:11	5.6	14.2	1010.1	920.6	12.6	5067.9
18/11/2019 15:26	5.6	14.2	1010.3	920.6	12.6	5067.9
18/11/2019 15:41	5.6	13.4	1010.2	920.6	12.6	5067.9
18/11/2019 15:56	5.6	12.8	1010.3	920.6	12.6	5067.9
18/11/2019 16:11	5.6	11.7	1010.3	920.6	12.6	5067.9
18/11/2019 16:26	5.6	10.4	1010.8	920.6	12.6	5067.9
18/11/2019 16:41	5.6	9.3	1010.8	920.5	12.6	5068.4
18/11/2019 16:56	5.6	8.4	1011	920.5	12.6	5068.4
18/11/2019 17:11	5.6	7.8	1011	920.5	12.6	5068.4
18/11/2019 17:26	5.6	7.3	1011.2	920.4	12.6	5068.8
18/11/2019 17:41	5.6	6.8	1011.5	920.3	12.6	5069.3
18/11/2019 17:56	5.6	6.5	1011.3	920.3	12.6	5069.3
18/11/2019 18:11	5.6	6.2	1011.4	920.3	12.6	5069.3
18/11/2019 18:26	5.6	5.9	1011.4	920.2	12.6	5069.7
18/11/2019 18:41	5.6	5.4	1011.2	920.2	12.6	5069.7
18/11/2019 18:56	5.6	5	1011.5	920.1	12.6	5070.2
18/11/2019 19:11	5.6	4.7	1011.5	920.1	12.6	5070.2
18/11/2019 19:26	5.6	4.5	1011.8	920.1	12.6	5070.2
18/11/2019 19:41	5.6	4.3	1011.9	920.1	12.6	5070.2
18/11/2019 19:56	5.6	4.1	1011.9	920	12.6	5070.6
18/11/2019 20:11	5.6	4	1011.8	920	12.6	5070.6
18/11/2019 20:26	5.6	3.9	1011.9	920	12.6	5070.6
18/11/2019 20:41	5.6	3.8	1012.1	920	12.6	5070.6
18/11/2019 20:56	5.6	3.9	1012.3	920	12.6	5070.6
18/11/2019 21:11	5.6	4.1	1012	920	12.6	5070.6
18/11/2019 21:26	5.6	4.1	1012.1	920	12.6	5070.6
18/11/2019 21:41	5.6	3.9	1011.8	920	12.6	5070.6
18/11/2019 21:56	5.6	3.7	1012.3	920	12.6	5070.6
18/11/2019 22:11	5.6	3.6	1012.4	920.1	12.6	5070.2
18/11/2019 22:26	5.6	3.4	1012.4	920.1	12.6	5070.2
18/11/2019 22:41	5.6	3.3	1012.7	920.1	12.6	5070.2
18/11/2019 22:56	5.6	3.2	1012.6	920.2	12.6	5069.7
18/11/2019 23:11	5.6	3.1	1012.4	920.3	12.6	5069.3
18/11/2019 23:26	5.6	3.1	1012.6	920.3	12.6	5069.3
18/11/2019 23:41	5.6	3	1012.4	920.3	12.6	5069.3
18/11/2019 23:56	5.6	3.1	1012.8	920.4	12.6	5068.8
19/11/2019 00:11	5.6	3.4	1012.7	920.4	12.6	5068.8
19/11/2019 00:26	5.6	3.3	1012.5	920.4	12.6	5068.8
19/11/2019 00:41	5.6	3	1012.7	920.5	12.6	5068.4
19/11/2019 00:56	5.7	2.8	1012.5	920.5	12.6	5068.4
19/11/2019 01:11	5.7	2.6	1012.6	920.5	12.6	5068.4
19/11/2019 01:26	5.7	2.5	1012.5	920.5	12.6	5068.4
19/11/2019 01:41	5.7	2.5	1012.6	920.6	12.6	5067.9
19/11/2019 01:56	5.7	2.5	1012.7	920.6	12.6	5067.9

19/11/2019 02:11	5.7	2.3	1012.8	920.6	12.6	5067.9
19/11/2019 02:26	5.7	2.1	1012.6	920.6	12.6	5067.9
19/11/2019 02:41	5.7	2	1012.8	920.6	12.6	5067.9
19/11/2019 02:56	5.7	1.8	1013.1	920.6	12.6	5067.9
19/11/2019 03:11	5.7	1.6	1013.3	920.6	12.6	5067.9
19/11/2019 03:26	5.7	1.4	1013.1	920.6	12.6	5067.9
19/11/2019 03:41	5.7	1.1	1013.2	920.6	12.6	5067.9
19/11/2019 03:56	5.7	0.9	1013	920.6	12.6	5067.9
19/11/2019 04:11	5.7	0.8	1013.2	920.6	12.6	5067.9
19/11/2019 04:26	5.7	0.6	1013.1	920.6	12.6	5067.9
19/11/2019 04:41	5.7	0.4	1013.2	920.5	12.6	5068.4
19/11/2019 04:56	5.7	0.3	1013.1	920.5	12.6	5068.4
19/11/2019 05:11	5.7	0.2	1013.3	920.5	12.6	5068.4
19/11/2019 05:26	5.7	0	1013.5	920.4	12.6	5068.8
19/11/2019 05:41	5.7	-0.1	1013.3	920.4	12.6	5068.8
19/11/2019 05:56	5.7	-0.2	1013.2	920.3	12.6	5069.3
19/11/2019 06:11	5.7	-0.3	1013	920.3	12.6	5069.3
19/11/2019 06:26	5.7	-0.3	1013.2	920.2	12.6	5069.7
19/11/2019 06:41	5.7	-0.3	1013.3	920.1	12.6	5070.2
19/11/2019 06:56	5.7	-0.4	1013.5	920.1	12.6	5070.2
19/11/2019 07:11	5.7	-0.4	1013.4	920.1	12.6	5070.2
19/11/2019 07:26	5.7	-0.5	1013.5	920.1	12.6	5070.2
19/11/2019 07:41	5.7	-0.6	1013.3	920	12.6	5070.6
19/11/2019 07:56	5.7	-0.8	1013.4	920	12.6	5070.6
19/11/2019 08:11	5.7	-1	1013.8	919.9	12.6	5071.1
19/11/2019 08:26	5.7	-1.3	1014.2	919.9	12.6	5071.1
19/11/2019 08:41	5.7	-1.4	1013.9	919.9	12.6	5071.1
19/11/2019 08:56	5.7	-1.2	1013.9	919.9	12.6	5071.1
19/11/2019 09:11	5.7	-0.4	1013.8	919.9	12.6	5071.1
19/11/2019 09:26	5.7	1.3	1014.1	919.9	12.6	5071.1
19/11/2019 09:41	5.6	3.1	1014.1	919.9	12.6	5071.1
19/11/2019 09:56	5.6	4.9	1013.8	919.9	12.6	5071.1
19/11/2019 10:11	5.6	6.5	1013.8	920	12.6	5070.6
19/11/2019 10:26	5.6	7.7	1014.1	920	12.6	5070.6
19/11/2019 10:41	5.6	8.7	1014.2	919.9	12.6	5071.1
19/11/2019 10:56	5.6	10.1	1014.1	920	12.6	5070.6
19/11/2019 11:11	5.6	10.9	1014.5	920	12.6	5070.6
19/11/2019 11:26	5.6	11.2	1014	920.1	12.6	5070.2
19/11/2019 11:41	5.6	11.4	1014.3	920.1	12.6	5070.2
19/11/2019 11:56	5.6	12.2	1014.2	920.2	12.6	5069.7
19/11/2019 12:11	5.6	12.8	1013.9	920.2	12.6	5069.7
19/11/2019 12:26	5.6	13.4	1014	920.3	12.6	5069.3
19/11/2019 12:41	5.6	13.9	1013.9	920.3	12.6	5069.3
19/11/2019 12:56	5.6	14.8	1013.7	920.3	12.6	5069.3
19/11/2019 13:11	5.6	15.5	1014	920.4	12.6	5068.8
19/11/2019 13:26	5.6	15.8	1013.9	920.4	12.6	5068.8
19/11/2019 13:41	5.6	15.6	1014.1	920.5	12.6	5068.4
19/11/2019 13:56	5.6	15	1013.9	920.5	12.6	5068.4
19/11/2019 14:11	5.6	14.4	1013.9	920.5	12.6	5068.4
19/11/2019 14:26	5.6	14.4	1014	920.6	12.6	5067.9

19/11/2019 14:41	5.6	14.5	1014	920.6	12.6	5067.9
19/11/2019 14:56	5.6	14.2	1013.5	920.6	12.6	5067.9
19/11/2019 15:11	5.6	14.1	1013.4	920.6	12.6	5067.9
19/11/2019 15:26	5.6	13.1	1013.7	920.6	12.6	5067.9
19/11/2019 15:41	5.6	12	1013.6	920.7	12.6	5067.5
19/11/2019 15:56	5.6	10.8	1013.6	920.7	12.6	5067.5
19/11/2019 16:11	5.6	9.6	1013.6	920.7	12.6	5067.5
19/11/2019 16:26	5.6	8.4	1013.5	920.7	12.6	5067.5
19/11/2019 16:41	5.6	7.1	1013.7	920.7	12.6	5067.5
19/11/2019 16:56	5.6	5.8	1013.6	920.7	12.6	5067.5
19/11/2019 17:11	5.6	4.6	1013.9	920.7	12.6	5067.5
19/11/2019 17:26	5.6	3.7	1013.9	920.7	12.6	5067.5
19/11/2019 17:41	5.6	2.8	1014.1	920.6	12.6	5067.9
19/11/2019 17:56	5.6	2.1	1014.2	920.5	12.6	5068.4
19/11/2019 18:11	5.7	1.4	1014.5	920.5	12.6	5068.4
19/11/2019 18:26	5.7	0.8	1014.3	920.4	12.6	5068.8
19/11/2019 18:41	5.7	0.3	1014.6	920.4	12.6	5068.8
19/11/2019 18:56	5.7	-0.1	1014.6	920.3	12.6	5069.3
19/11/2019 19:11	5.7	-0.4	1014.8	920.3	12.6	5069.3
19/11/2019 19:26	5.7	-0.5	1014.5	920.3	12.6	5069.3
19/11/2019 19:41	5.7	-0.5	1014.5	920.3	12.6	5069.3
19/11/2019 19:56	5.7	-0.5	1014.7	920.2	12.6	5069.7
19/11/2019 20:11	5.7	-0.2	1014.6	920.1	12.6	5070.2
19/11/2019 20:26	5.7	0.1	1014.6	920.1	12.6	5070.2
19/11/2019 20:41	5.7	0.3	1014.9	920.1	12.6	5070.2
19/11/2019 20:56	5.7	0.6	1014.8	920.1	12.6	5070.2
19/11/2019 21:11	5.7	0.9	1014.5	920.1	12.6	5070.2
19/11/2019 21:26	5.7	1.3	1014.8	920	12.6	5070.6
19/11/2019 21:41	5.7	1.6	1014.7	920	12.6	5070.6
19/11/2019 21:56	5.7	1.8	1014.6	920	12.6	5070.6
19/11/2019 22:11	5.7	1.9	1014.7	920.1	12.6	5070.2
19/11/2019 22:26	5.7	2	1014.5	920.1	12.6	5070.2
19/11/2019 22:41	5.7	2.2	1014.4	920	12.6	5070.6
19/11/2019 22:56	5.6	2.8	1014.5	920.1	12.6	5070.2
19/11/2019 23:11	5.6	3.9	1014.2	920.1	12.6	5070.2
19/11/2019 23:26	5.6	4.9	1014.2	920.1	12.6	5070.2
19/11/2019 23:41	5.6	5.8	1013.9	920.1	12.6	5070.2
19/11/2019 23:56	5.6	6.4	1013.8	920.1	12.6	5070.2
20/11/2019 00:11	5.6	6.9	1013.8	920.2	12.6	5069.7
20/11/2019 00:26	5.6	7.1	1013.8	920.2	12.6	5069.7
20/11/2019 00:41	5.6	7.5	1013.1	920.3	12.6	5069.3
20/11/2019 00:56	5.6	7.8	1013.5	920.3	12.6	5069.3
20/11/2019 01:11	5.6	8	1013.6	920.3	12.6	5069.3
20/11/2019 01:26	5.6	8.2	1013.4	920.3	12.6	5069.3
20/11/2019 01:41	5.6	8.4	1013.4	920.3	12.6	5069.3
20/11/2019 01:56	5.6	8.6	1012.9	920.4	12.6	5068.8
20/11/2019 02:11	5.6	8.7	1013.2	920.4	12.6	5068.8
20/11/2019 02:26	5.6	8.6	1013.1	920.4	12.6	5068.8
20/11/2019 02:41	5.6	8.5	1013.3	920.5	12.6	5068.4
20/11/2019 02:56	5.6	8.4	1013.3	920.5	12.6	5068.4

20/11/2019 03:11	5.6	8.2	1012.9	920.5	12.6	5068.4
20/11/2019 03:26	5.6	8	1013	920.5	12.6	5068.4
20/11/2019 03:41	5.6	7.8	1012.9	920.5	12.6	5068.4
20/11/2019 03:56	5.6	7.6	1012.8	920.6	12.6	5067.9
20/11/2019 04:11	5.6	7.3	1013	920.5	12.6	5068.4
20/11/2019 04:26	5.6	7	1013	920.5	12.6	5068.4
20/11/2019 04:41	5.6	6.8	1012.5	920.5	12.6	5068.4
20/11/2019 04:56	5.6	6.7	1012.9	920.5	12.6	5068.4
20/11/2019 05:11	5.6	6.5	1012.8	920.5	12.6	5068.4
20/11/2019 05:26	5.6	6.4	1012.5	920.5	12.6	5068.4
20/11/2019 05:41	5.6	6.2	1012.6	920.4	12.6	5068.8
20/11/2019 05:56	5.6	6.1	1012.5	920.3	12.6	5069.3
20/11/2019 06:11	5.6	6	1012.4	920.4	12.6	5068.8
20/11/2019 06:26	5.6	5.8	1012.5	920.3	12.6	5069.3
20/11/2019 06:41	5.6	5.7	1012.6	920.2	12.6	5069.7
20/11/2019 06:56	5.6	5.7	1012.5	920.2	12.6	5069.7
20/11/2019 07:11	5.6	5.6	1012.6	920.1	12.6	5070.2
20/11/2019 07:26	5.6	5.6	1012.5	920.1	12.6	5070.2
20/11/2019 07:41	5.6	6.2	1012.1	920	12.6	5070.6
20/11/2019 07:56	5.6	6.9	1012.5	920	12.6	5070.6
20/11/2019 08:11	5.6	7.4	1012.7	920	12.6	5070.6
20/11/2019 08:26	5.6	7.8	1012.6	919.9	12.6	5071.1
20/11/2019 08:41	5.6	8.1	1012.5	919.9	12.6	5071.1
20/11/2019 08:56	5.6	8.2	1012.7	919.9	12.6	5071.1
20/11/2019 09:11	5.6	8.3	1012.6	919.9	12.6	5071.1
20/11/2019 09:26	5.6	8.4	1012.7	919.8	12.6	5071.5
20/11/2019 09:41	5.6	8.5	1012.7	919.9	12.6	5071.1
20/11/2019 09:56	5.6	8.5	1013	919.9	12.6	5071.1
20/11/2019 10:11	5.6	8.6	1012.7	919.8	12.6	5071.5
20/11/2019 10:26	5.6	8.8	1012.7	919.8	12.6	5071.5
20/11/2019 10:41	5.6	9	1012.6	919.8	12.6	5071.5
20/11/2019 10:56	5.6	9.5	1012.4	919.8	12.6	5071.5
20/11/2019 11:11	5.6	10	1012.8	919.8	12.6	5071.5
20/11/2019 11:26	5.6	10.5	1012.3	919.9	12.6	5071.1
20/11/2019 11:41	5.6	10.7	1012	919.9	12.6	5071.1
20/11/2019 11:56	5.6	11	1011.6	920	12.6	5070.6
20/11/2019 12:11	5.6	11.1	1011.7	920	12.6	5070.6
20/11/2019 12:26	5.6	11.3	1011.4	920	12.6	5070.6
20/11/2019 12:41	5.6	11	1011.5	919.9	12.6	5071.1
20/11/2019 12:56	5.6	10.7	1011.3	920	12.6	5070.6
20/11/2019 13:11	5.6	10.7	1011.2	920	12.6	5070.6
20/11/2019 13:26	5.6	10.8	1010.8	920.1	12.6	5070.2
20/11/2019 13:41	5.6	10.4	1010.9	920.1	12.6	5070.2
20/11/2019 13:56	5.6	9.9	1010.6	920.1	12.6	5070.2
20/11/2019 14:11	5.6	9.7	1010.5	920.2	12.6	5069.7
20/11/2019 14:26	5.6	9.6	1010.4	920.1	12.6	5070.2
20/11/2019 14:41	5.6	9.2	1010.1	920.2	12.6	5069.7
20/11/2019 14:56	5.6	8.9	1010.3	920.3	12.6	5069.3
20/11/2019 15:11	5.6	8.6	1010	920.3	12.6	5069.3
20/11/2019 15:26	5.6	8.3	1009.9	920.3	12.6	5069.3

20/11/2019 15:41	5.6	8	1009.7	920.4	12.6	5068.8
20/11/2019 15:56	5.6	7.8	1010	920.3	12.6	5069.3
20/11/2019 16:11	5.6	7.7	1009.7	920.4	12.6	5068.8
20/11/2019 16:26	5.6	7.6	1009.3	920.4	12.6	5068.8
20/11/2019 16:41	5.6	7.6	1009.4	920.4	12.6	5068.8
20/11/2019 16:56	5.6	7.6	1009.1	920.4	12.6	5068.8
20/11/2019 17:11	5.6	7.7	1008.8	920.4	12.6	5068.8
20/11/2019 17:26	5.6	7.7	1008.9	920.3	12.6	5069.3
20/11/2019 17:41	5.6	7.7	1009	920.3	12.6	5069.3
20/11/2019 17:56	5.6	7.8	1009	920.2	12.6	5069.7
20/11/2019 18:11	5.6	7.8	1008.9	920.1	12.6	5070.2
20/11/2019 18:26	5.6	7.8	1008.6	920.1	12.6	5070.2
20/11/2019 18:41	5.6	7.7	1008.6	920.1	12.6	5070.2
20/11/2019 18:56	5.6	7.7	1008.7	920	12.6	5070.6
20/11/2019 19:11	5.6	7.7	1008.6	920	12.6	5070.6
20/11/2019 19:26	5.6	7.8	1008.7	919.9	12.6	5071.1
20/11/2019 19:41	5.6	7.7	1008.8	919.9	12.6	5071.1
20/11/2019 19:56	5.6	7.7	1008.7	919.9	12.6	5071.1
20/11/2019 20:11	5.6	7.7	1008.7	919.9	12.6	5071.1
20/11/2019 20:26	5.6	7.6	1008.6	919.8	12.6	5071.5
20/11/2019 20:41	5.6	7.6	1008.8	919.8	12.6	5071.5
20/11/2019 20:56	5.6	7.5	1008.6	919.9	12.6	5071.1
20/11/2019 21:11	5.6	7.5	1008.2	919.8	12.6	5071.5
20/11/2019 21:26	5.6	7.4	1008.2	919.8	12.6	5071.5
20/11/2019 21:41	5.6	7.3	1008	919.8	12.6	5071.5
20/11/2019 21:56	5.6	7.3	1008.3	919.8	12.6	5071.5
20/11/2019 22:11	5.6	7.3	1007.8	919.8	12.6	5071.5
20/11/2019 22:26	5.6	7.3	1007.8	919.8	12.6	5071.5
20/11/2019 22:41	5.6	7.3	1007.9	919.8	12.6	5072
20/11/2019 22:56	5.6	7.3	1007.5	919.8	12.6	5072
20/11/2019 23:11	5.6	7.2	1007.8	919.8	12.6	5071.5
20/11/2019 23:26	5.6	7.2	1007.6	919.8	12.6	5071.5
20/11/2019 23:41	5.6	7.1	1007.5	919.8	12.6	5071.5
20/11/2019 23:56	5.6	6.9	1007.6	919.8	12.6	5071.5
21/11/2019 00:11	5.6	6.7	1007.2	919.8	12.6	5071.5
21/11/2019 00:26	5.6	6.7	1006.9	919.8	12.6	5071.5
21/11/2019 00:41	5.6	6.7	1006.8	919.9	12.6	5071.1
21/11/2019 00:56	5.6	6.6	1006.9	919.9	12.6	5071.1
21/11/2019 01:11	5.6	6.6	1006.6	919.9	12.6	5071.1
21/11/2019 01:26	5.6	6.7	1006.7	919.9	12.6	5071.1
21/11/2019 01:41	5.6	6.8	1006.5	919.9	12.6	5071.1
21/11/2019 01:56	5.6	6.9	1006.5	919.9	12.6	5071.1
21/11/2019 02:11	5.6	6.9	1006.2	920	12.6	5070.6
21/11/2019 02:26	5.6	6.8	1006	920	12.6	5070.6
21/11/2019 02:41	5.6	6.8	1005.7	920	12.6	5070.6
21/11/2019 02:56	5.6	6.8	1005.7	920	12.6	5070.6
21/11/2019 03:11	5.6	6.7	1005.8	920.1	12.6	5070.2
21/11/2019 03:26	5.6	6.6	1005.5	920	12.6	5070.6
21/11/2019 03:41	5.6	6.7	1005.5	920	12.6	5070.6
21/11/2019 03:56	5.6	6.7	1005.4	920.1	12.6	5070.2

21/11/2019 04:11	5.6	6.7	1005.2	920	12.6	5070.6
21/11/2019 04:26	5.6	6.8	1005.6	920	12.6	5070.6
21/11/2019 04:41	5.6	6.9	1005	920	12.6	5070.6
21/11/2019 04:56	5.6	6.8	1005.2	920.1	12.6	5070.2
21/11/2019 05:11	5.6	6.8	1004.7	920	12.6	5070.6
21/11/2019 05:26	5.6	6.8	1005.2	920	12.6	5070.6
21/11/2019 05:41	5.6	6.9	1004.8	920	12.6	5070.6
21/11/2019 05:56	5.6	6.9	1004.8	920	12.6	5070.6
21/11/2019 06:11	5.6	7	1004.8	919.9	12.6	5071.1
21/11/2019 06:26	5.6	7	1004.3	919.9	12.6	5071.1
21/11/2019 06:41	5.6	6.9	1004.6	919.9	12.6	5071.1
21/11/2019 06:56	5.6	6.9	1004.7	919.8	12.6	5071.5
21/11/2019 07:11	5.6	6.9	1004.7	919.9	12.6	5071.1
21/11/2019 07:26	5.6	7	1004.5	919.8	12.6	5071.5
21/11/2019 07:41	5.6	7	1004.5	919.8	12.6	5071.5
21/11/2019 07:56	5.6	7	1004.3	919.8	12.6	5071.5
21/11/2019 08:11	5.6	7.1	1004.4	919.8	12.6	5071.5
21/11/2019 08:26	5.6	7.1	1004.5	919.8	12.6	5071.5
21/11/2019 08:41	5.6	7	1004.3	919.8	12.6	5072
21/11/2019 08:56	5.6	7.1	1004.1	919.8	12.6	5072
21/11/2019 09:11	5.6	7.1	1004.4	919.8	12.6	5072
21/11/2019 09:26	5.6	7.3	1004.2	919.8	12.6	5072
21/11/2019 09:41	5.6	7.5	1003.8	919.8	12.6	5072
21/11/2019 09:56	5.6	7.7	1004.1	919.8	12.6	5071.5
21/11/2019 10:11	5.6	7.8	1003.9	919.8	12.6	5071.5
21/11/2019 10:26	5.6	7.8	1003.9	919.8	12.6	5071.5
21/11/2019 10:41	5.6	7.6	1003.8	919.8	12.6	5072
21/11/2019 10:56	5.6	7.4	1003.4	919.8	12.6	5072
21/11/2019 11:11	5.6	7.4	1003.1	919.8	12.6	5072
21/11/2019 11:26	5.6	7.4	1003	919.8	12.6	5072
21/11/2019 11:41	5.6	7.3	1003.1	919.8	12.6	5072
21/11/2019 11:56	5.6	7.3	1002.7	919.8	12.6	5072
21/11/2019 12:11	5.6	7.3	1002.3	919.8	12.6	5072
21/11/2019 12:26	5.6	7.2	1002.1	919.8	12.6	5071.5
21/11/2019 12:41	5.6	7.2	1001.9	919.8	12.6	5071.5
21/11/2019 12:56	5.6	7.2	1002.1	919.8	12.6	5072
21/11/2019 13:11	5.6	7.1	1001.5	919.8	12.6	5072
21/11/2019 13:26	5.6	7	1001.6	919.8	12.6	5072
21/11/2019 13:41	5.6	6.9	1001.5	919.8	12.6	5072
21/11/2019 13:56	5.6	6.8	1001.4	919.8	12.6	5072
21/11/2019 14:11	5.6	6.7	1001.4	919.8	12.6	5071.5
21/11/2019 14:26	5.6	6.6	1001.5	919.8	12.6	5071.5
21/11/2019 14:41	5.6	6.6	1001	919.8	12.6	5071.5
21/11/2019 14:56	5.6	6.6	1001	919.9	12.6	5071.1
21/11/2019 15:11	5.6	6.7	1000.9	919.9	12.6	5071.1
21/11/2019 15:26	5.6	6.8	1000.5	919.8	12.6	5071.5
21/11/2019 15:41	5.6	6.9	1000.7	919.8	12.6	5071.5
21/11/2019 15:56	5.6	6.9	1000.6	919.8	12.6	5071.5
21/11/2019 16:11	5.6	7	1000.4	919.9	12.6	5071.1
21/11/2019 16:26	5.6	7	1000.3	919.9	12.6	5071.1

21/11/2019 16:41	5.6	6.9	1000.6	919.9	12.6	5071.1
21/11/2019 16:56	5.6	6.9	1000.2	919.9	12.6	5071.1
21/11/2019 17:11	5.6	6.9	1000.3	919.9	12.6	5071.1
21/11/2019 17:26	5.6	6.9	1000.4	919.9	12.6	5071.1
21/11/2019 17:41	5.6	6.9	1000.3	919.9	12.6	5071.1
21/11/2019 17:56	5.6	6.9	1000	920	12.6	5070.6
21/11/2019 18:11	5.6	7	999.6	920	12.6	5070.6
21/11/2019 18:26	5.6	7.2	999.8	919.9	12.6	5071.1
21/11/2019 18:41	5.6	7.3	999.7	919.9	12.6	5071.1
21/11/2019 18:56	5.6	7.4	999.5	919.9	12.6	5071.1
21/11/2019 19:11	5.6	7.5	999.4	919.9	12.6	5071.1
21/11/2019 19:26	5.6	7.7	999.4	919.8	12.6	5071.5
21/11/2019 19:41	5.6	7.8	999.5	919.8	12.6	5071.5
21/11/2019 19:56	5.6	7.8	999.2	919.8	12.6	5071.5
21/11/2019 20:11	5.6	7.9	999.5	919.8	12.6	5071.5
21/11/2019 20:26	5.6	7.9	999	919.8	12.6	5071.5
21/11/2019 20:41	5.6	8	999	919.8	12.6	5071.5
21/11/2019 20:56	5.6	8.2	998.7	919.8	12.6	5071.5
21/11/2019 21:11	5.6	8.1	998.7	919.8	12.6	5072
21/11/2019 21:26	5.6	8.2	998.2	919.8	12.6	5072
21/11/2019 21:41	5.6	8.4	998.3	919.8	12.6	5072
21/11/2019 21:56	5.6	8.5	998.3	919.8	12.6	5071.5
21/11/2019 22:11	5.6	8.6	997.8	919.8	12.6	5072
21/11/2019 22:26	5.6	8.7	997.7	919.8	12.6	5072
21/11/2019 22:41	5.6	8.6	997.7	919.8	12.6	5072
21/11/2019 22:56	5.6	8.6	997.7	919.8	12.6	5072
21/11/2019 23:11	5.6	8.8	997.3	919.8	12.6	5072
21/11/2019 23:26	5.6	8.9	997.2	919.8	12.6	5072
21/11/2019 23:41	5.6	9.1	997	919.8	12.6	5072
21/11/2019 23:56	5.6	9.3	996.4	919.8	12.6	5072
22/11/2019 00:11	5.6	9.2	996.7	919.8	12.6	5072
22/11/2019 00:26	5.6	9	996.8	919.8	12.6	5072
22/11/2019 00:41	5.6	8.9	996.9	919.8	12.6	5072
22/11/2019 00:56	5.6	8.8	996.5	919.8	12.6	5072
22/11/2019 01:11	5.6	8.8	996.3	919.8	12.6	5072
22/11/2019 01:26	5.6	8.8	996.4	919.8	12.6	5072
22/11/2019 01:41	5.6	8.8	996.4	919.8	12.6	5072
22/11/2019 01:56	5.6	8.8	996.3	919.8	12.6	5072
22/11/2019 02:11	5.6	8.9	996.4	919.8	12.6	5072
22/11/2019 02:26	5.6	9	996.2	919.8	12.6	5072
22/11/2019 02:41	5.6	9.1	996	919.8	12.6	5071.5
22/11/2019 02:56	5.6	9.2	995.9	919.8	12.6	5071.5
22/11/2019 03:11	5.6	9.2	995.9	919.8	12.6	5072
22/11/2019 03:26	5.6	9.3	995.8	919.8	12.6	5072
22/11/2019 03:41	5.6	9.3	995.9	919.8	12.6	5072
22/11/2019 03:56	5.6	9.3	995.6	919.8	12.6	5071.5
22/11/2019 04:11	5.6	9.4	995.5	919.8	12.6	5071.5
22/11/2019 04:26	5.6	9.4	995.7	919.8	12.6	5071.5
22/11/2019 04:41	5.6	9.4	995.5	919.8	12.6	5071.5
22/11/2019 04:56	5.6	9.3	995.6	919.8	12.6	5071.5

22/11/2019 05:11	5.6	9.2	995.7	919.9	12.6	5071.1
22/11/2019 05:26	5.6	9.2	995.7	919.8	12.6	5071.5
22/11/2019 05:41	5.6	9.2	995.6	919.8	12.6	5071.5
22/11/2019 05:56	5.6	9.2	995.5	919.8	12.6	5071.5
22/11/2019 06:11	5.6	9.2	995.5	919.8	12.6	5071.5
22/11/2019 06:26	5.6	9.3	995.7	919.8	12.6	5071.5
22/11/2019 06:41	5.6	9.3	995.5	919.8	12.6	5072
22/11/2019 06:56	5.6	9.3	995.7	919.8	12.6	5071.5
22/11/2019 07:11	5.6	9.2	995.7	919.8	12.6	5072
22/11/2019 07:26	5.6	9.2	995.7	919.8	12.6	5071.5
22/11/2019 07:41	5.6	9.2	995.8	919.8	12.6	5071.5
22/11/2019 07:56	5.6	9.2	996	919.8	12.6	5072
22/11/2019 08:11	5.6	9.3	996	919.8	12.6	5072
22/11/2019 08:26	5.6	9.4	996.1	919.8	12.6	5072
22/11/2019 08:41	5.6	9.5	996.2	919.8	12.6	5072
22/11/2019 08:56	5.6	9.7	995.8	919.8	12.6	5072
22/11/2019 09:11	5.6	9.8	996	919.8	12.6	5071.5
22/11/2019 09:26	5.6	9.7	996	919.8	12.6	5072
22/11/2019 09:41	5.6	9.5	996	919.8	12.6	5072
22/11/2019 09:56	5.6	9.8	996.2	919.7	12.6	5072.4
22/11/2019 10:11	5.6	10.7	996.2	919.8	12.6	5072
22/11/2019 10:26	5.6	11.9	995.8	919.7	12.6	5072.4
22/11/2019 10:41	5.6	12.8	996	919.8	12.6	5072
22/11/2019 10:56	5.6	13.2	996	919.7	12.6	5072.4
22/11/2019 11:11	5.6	12.9	996.1	919.8	12.6	5072
22/11/2019 11:26	5.6	12.5	996.1	919.7	12.6	5072.4
22/11/2019 11:41	5.6	12.1	996.1	919.7	12.6	5072.4
22/11/2019 11:56	5.6	11.7	995.7	919.6	12.6	5072.9
22/11/2019 12:11	5.6	11.7	995.6	919.7	12.6	5072.4
22/11/2019 12:26	5.6	11.8	995.6	919.6	12.6	5072.9
22/11/2019 12:41	5.6	11.6	995.7	919.6	12.6	5072.9
22/11/2019 12:56	5.6	11.9	995.5	919.7	12.6	5072.4
22/11/2019 13:11	5.6	12.1	995.3	919.6	12.6	5072.9
22/11/2019 13:26	5.6	12	995.4	919.8	12.6	5072
22/11/2019 13:41	5.6	11.8	995.4	919.8	12.6	5072
22/11/2019 13:56	5.6	11.5	995.2	919.7	12.6	5072.4
22/11/2019 14:11	5.6	11.5	995.1	919.7	12.6	5072.4
22/11/2019 14:26	5.6	11.4	995.1	919.8	12.6	5072
22/11/2019 14:41	5.6	11.1	994.7	919.8	12.6	5072
22/11/2019 14:56	5.6	10.9	995.1	919.8	12.6	5072
22/11/2019 15:11	5.6	10.7	995	919.8	12.6	5072
22/11/2019 15:26	5.6	10.4	995	919.8	12.6	5072
22/11/2019 15:41	5.6	10.3	995.2	919.8	12.6	5072
22/11/2019 15:56	5.6	10.2	995.2	919.8	12.6	5072
22/11/2019 16:11	5.6	10.1	995.3	919.8	12.6	5072
22/11/2019 16:26	5.6	10.1	995.2	919.8	12.6	5072
22/11/2019 16:41	5.6	10.1	995.3	919.8	12.6	5072
22/11/2019 16:56	5.6	10.1	994.5	919.8	12.6	5071.5
22/11/2019 17:11	5.6	10.1	994.9	919.8	12.6	5071.5
22/11/2019 17:26	5.6	10.1	995.1	919.8	12.6	5072

22/11/2019 17:41	5.6	10.2	995	919.8	12.6	5071.5
22/11/2019 17:56	5.6	10.2	995	919.8	12.6	5072
22/11/2019 18:11	5.6	10.2	995.2	919.8	12.6	5071.5
22/11/2019 18:26	5.6	10.3	994.5	919.8	12.6	5071.5
22/11/2019 18:41	5.6	10.2	995.1	919.8	12.6	5071.5
22/11/2019 18:56	5.6	10.2	995	919.9	12.6	5071.1
22/11/2019 19:11	5.6	10.3	994.9	919.8	12.6	5071.5
22/11/2019 19:26	5.6	10.4	994.9	919.9	12.6	5071.1
22/11/2019 19:41	5.6	10.4	994.8	919.8	12.6	5071.5
22/11/2019 19:56	5.6	10.4	994.8	919.8	12.6	5071.5
22/11/2019 20:11	5.6	10.4	994.6	919.8	12.6	5071.5
22/11/2019 20:26	5.6	10.3	994.5	919.8	12.6	5071.5
22/11/2019 20:41	5.6	10.2	994	919.8	12.6	5071.5
22/11/2019 20:56	5.6	10.1	994.2	919.8	12.6	5072
22/11/2019 21:11	5.6	10.2	994.5	919.8	12.6	5071.5
22/11/2019 21:26	5.6	10.2	994.1	919.8	12.6	5072
22/11/2019 21:41	5.6	10.2	994.1	919.8	12.6	5072
22/11/2019 21:56	5.6	10.2	993.8	919.8	12.6	5072
22/11/2019 22:11	5.6	10.2	993.7	919.8	12.6	5071.5
22/11/2019 22:26	5.6	10.1	993.2	919.8	12.6	5072
22/11/2019 22:41	5.6	10	993.3	919.8	12.6	5072
22/11/2019 22:56	5.6	10	993	919.8	12.6	5071.5
22/11/2019 23:11	5.6	10	992.8	919.8	12.6	5072
22/11/2019 23:26	5.6	10.1	992.7	919.8	12.6	5072
22/11/2019 23:41	5.6	10.3	992.8	919.8	12.6	5072
22/11/2019 23:56	5.6	10.3	992.7	919.8	12.6	5072
23/11/2019 00:11	5.6	10.4	992.4	919.8	12.6	5072
23/11/2019 00:26	5.6	10.4	992.2	919.8	12.6	5072
23/11/2019 00:41	5.6	10.4	992.2	919.7	12.6	5072.4
23/11/2019 00:56	5.6	10.4	992.1	919.7	12.6	5072.4
23/11/2019 01:11	5.6	10.3	992	919.8	12.6	5072
23/11/2019 01:26	5.6	10.2	991.7	919.7	12.6	5072.4
23/11/2019 01:41	5.6	10.3	991.8	919.6	12.6	5072.9
23/11/2019 01:56	5.6	10.4	991.6	919.8	12.6	5072
23/11/2019 02:11	5.6	10.5	991.8	919.8	12.6	5072
23/11/2019 02:26	5.6	10.4	991.3	919.8	12.6	5072
23/11/2019 02:41	5.6	10.3	991.1	919.8	12.6	5072
23/11/2019 02:56	5.6	10.2	991.2	919.7	12.6	5072.4
23/11/2019 03:11	5.6	10.2	991	919.8	12.6	5072
23/11/2019 03:26	5.6	10.1	991.2	919.8	12.6	5072
23/11/2019 03:41	5.6	10.1	991	919.8	12.6	5072
23/11/2019 03:56	5.6	10.1	991.2	919.8	12.6	5072
23/11/2019 04:11	5.6	10.3	991	919.8	12.6	5072
23/11/2019 04:26	5.6	10.5	991	919.8	12.6	5072
23/11/2019 04:41	5.6	10.6	990.8	919.8	12.6	5072
23/11/2019 04:56	5.6	10.3	991.3	919.8	12.6	5072
23/11/2019 05:11	5.6	10.2	990.8	919.8	12.6	5072
23/11/2019 05:26	5.6	10.1	990.8	919.8	12.6	5071.5
23/11/2019 05:41	5.6	10.1	991.3	919.8	12.6	5071.5
23/11/2019 05:56	5.6	10.2	990.8	919.8	12.6	5071.5

23/11/2019 06:11	5.6	10.2	991.2	919.8	12.6	5071.5
23/11/2019 06:26	5.6	10.2	991.1	919.8	12.6	5072
23/11/2019 06:41	5.6	10.2	991.3	919.8	12.6	5071.5
23/11/2019 06:56	5.6	10.2	991.4	919.8	12.6	5071.5
23/11/2019 07:11	5.6	10	991.4	919.8	12.6	5071.5
23/11/2019 07:26	5.6	9.9	991.3	919.8	12.6	5072
23/11/2019 07:41	5.6	9.9	991.5	919.8	12.6	5072
23/11/2019 07:56	5.6	9.9	991.5	919.8	12.6	5072
23/11/2019 08:11	5.6	9.9	991.4	919.8	12.6	5072
23/11/2019 08:26	5.6	10	991.9	919.8	12.6	5071.5
23/11/2019 08:41	5.6	10.1	992	919.8	12.6	5072
23/11/2019 08:56	5.6	10.1	991.7	919.8	12.6	5072
23/11/2019 09:11	5.6	10.2	991.8	919.8	12.6	5072
23/11/2019 09:26	5.6	10.3	992.2	919.8	12.6	5072
23/11/2019 09:41	5.6	10.3	992.3	919.8	12.6	5072
23/11/2019 09:56	5.6	10.4	992.3	919.8	12.6	5072
23/11/2019 10:11	5.6	10.7	992.6	919.7	12.6	5072.4
23/11/2019 10:26	5.6	10.9	992.7	919.8	12.6	5072
23/11/2019 10:41	5.6	11.1	991.9	919.8	12.6	5072
23/11/2019 10:56	5.6	11.2	992.4	919.8	12.6	5072
23/11/2019 11:11	5.6	11.1	992.6	919.7	12.6	5072.4
23/11/2019 11:26	5.6	11	992.7	919.7	12.6	5072.4
23/11/2019 11:41	5.6	11.1	992.7	919.8	12.6	5072
23/11/2019 11:56	5.6	11.7	992.7	919.6	12.6	5072.9
23/11/2019 12:11	5.6	12.2	992.8	919.6	12.6	5072.9
23/11/2019 12:26	5.6	12.3	993.2	919.6	12.6	5072.9
23/11/2019 12:41	5.6	12.3	993.2	919.6	12.6	5072.9
23/11/2019 12:56	5.6	12.2	993.3	919.6	12.6	5072.9
23/11/2019 13:11	5.6	12.1	993	919.6	12.6	5072.9
23/11/2019 13:26	5.6	11.9	993	919.6	12.6	5072.9
23/11/2019 13:41	5.6	11.8	992.9	919.5	12.6	5073.3
23/11/2019 13:56	5.6	11.7	993.1	919.6	12.6	5072.9
23/11/2019 14:11	5.6	11.6	993.2	919.6	12.6	5072.9
23/11/2019 14:26	5.6	11.6	993	919.6	12.6	5072.9
23/11/2019 14:41	5.6	11.4	993.1	919.8	12.6	5072
23/11/2019 14:56	5.6	11.3	993.1	919.7	12.6	5072.4
23/11/2019 15:11	5.6	11	994	919.8	12.6	5072
23/11/2019 15:26	5.6	10.8	994	919.8	12.6	5072
23/11/2019 15:41	5.6	10.7	994.6	919.8	12.6	5072
23/11/2019 15:56	5.6	10.6	994.2	919.8	12.6	5072
23/11/2019 16:11	5.6	10.5	993.8	919.8	12.6	5072
23/11/2019 16:26	5.6	10.4	994.6	919.8	12.6	5072
23/11/2019 16:41	5.6	10.4	994.2	919.8	12.6	5072
23/11/2019 16:56	5.6	10.3	994.3	919.8	12.6	5072
23/11/2019 17:11	5.6	10.1	994.4	919.8	12.6	5072
23/11/2019 17:26	5.6	10	994.8	919.8	12.6	5071.5
23/11/2019 17:41	5.6	10	995.2	919.8	12.6	5072
23/11/2019 17:56	5.6	10.1	995.2	919.8	12.6	5071.5
23/11/2019 18:11	5.6	10.1	995.2	919.8	12.6	5072
23/11/2019 18:26	5.6	10.1	995.2	919.8	12.6	5071.5

23/11/2019 18:41	5.6	10.1	995.4	919.8	12.6	5071.5
23/11/2019 18:56	5.6	10.1	994.9	919.8	12.6	5071.5
23/11/2019 19:11	5.6	10	995	919.8	12.6	5071.5
23/11/2019 19:26	5.6	10	995.2	919.8	12.6	5071.5
23/11/2019 19:41	5.6	10	995.4	919.8	12.6	5071.5
23/11/2019 19:56	5.6	10	995.6	919.8	12.6	5071.5
23/11/2019 20:11	5.6	10	995.9	919.9	12.6	5071.1
23/11/2019 20:26	5.6	10	995.8	919.9	12.6	5071.1
23/11/2019 20:41	5.6	9.9	996.4	919.8	12.6	5071.5
23/11/2019 20:56	5.6	9.8	996.1	919.8	12.6	5071.5
23/11/2019 21:11	5.6	9.8	996.1	919.8	12.6	5071.5
23/11/2019 21:26	5.6	9.7	996.2	919.8	12.6	5071.5
23/11/2019 21:41	5.6	9.6	996.2	919.8	12.6	5072
23/11/2019 21:56	5.6	9.6	996.3	919.8	12.6	5071.5
23/11/2019 22:11	5.6	9.6	996.2	919.8	12.6	5072
23/11/2019 22:26	5.6	9.7	996.1	919.8	12.6	5072
23/11/2019 22:41	5.6	9.7	996.3	919.8	12.6	5072
23/11/2019 22:56	5.6	9.7	996.3	919.8	12.6	5072
23/11/2019 23:11	5.6	9.8	996.8	919.8	12.6	5071.5
23/11/2019 23:26	5.6	9.8	996.7	919.8	12.6	5072
23/11/2019 23:41	5.6	9.7	996.7	919.8	12.6	5072
23/11/2019 23:56	5.6	9.5	997.1	919.8	12.6	5072
24/11/2019 00:11	5.6	9.2	997.5	919.8	12.6	5072
24/11/2019 00:26	5.6	8.9	996.9	919.8	12.6	5072
24/11/2019 00:41	5.6	8.6	997	919.8	12.6	5072
24/11/2019 00:56	5.6	8.4	997	919.8	12.6	5072
24/11/2019 01:11	5.6	8	997.4	919.8	12.6	5072
24/11/2019 01:26	5.6	7.4	997.3	919.8	12.6	5072
24/11/2019 01:41	5.6	6.9	997.5	919.8	12.6	5072
24/11/2019 01:56	5.6	6.3	997.5	919.8	12.6	5072
24/11/2019 02:11	5.6	5.7	997.4	919.8	12.6	5072
24/11/2019 02:26	5.6	5.1	997.9	919.8	12.6	5072
24/11/2019 02:41	5.6	4.7	997.8	919.8	12.6	5072
24/11/2019 02:56	5.6	4.3	997.9	919.8	12.6	5072
24/11/2019 03:11	5.6	4	998	919.8	12.6	5072
24/11/2019 03:26	5.6	3.7	997.9	919.8	12.6	5071.5
24/11/2019 03:41	5.6	3.5	998.2	919.8	12.6	5072
24/11/2019 03:56	5.6	3.5	998.2	919.8	12.6	5072
24/11/2019 04:11	5.6	4.1	998.3	919.8	12.6	5071.5
24/11/2019 04:26	5.6	5.2	998.8	919.8	12.6	5071.5
24/11/2019 04:41	5.6	5.6	998.5	919.8	12.6	5072
24/11/2019 04:56	5.6	5.8	998.5	919.8	12.6	5071.5
24/11/2019 05:11	5.6	6	998.8	919.8	12.6	5071.5
24/11/2019 05:26	5.6	6.2	999	919.8	12.6	5071.5
24/11/2019 05:41	5.6	6.5	998.8	919.8	12.6	5071.5
24/11/2019 05:56	5.6	6.7	999.4	919.8	12.6	5071.5
24/11/2019 06:11	5.6	6.9	999.5	919.8	12.6	5071.5
24/11/2019 06:26	5.6	7.2	999.6	919.9	12.6	5071.1
24/11/2019 06:41	5.6	7.5	1000	919.9	12.6	5071.1
24/11/2019 06:56	5.6	7.9	1000.1	919.9	12.6	5071.1

24/11/2019 07:11	5.6	8.3	1000	919.9	12.6	5071.1
24/11/2019 07:26	5.6	8.8	1000.1	919.9	12.6	5071.1
24/11/2019 07:41	5.6	9.1	999.9	919.9	12.6	5071.1
24/11/2019 07:56	5.6	9.4	1000.1	919.9	12.6	5071.1
24/11/2019 08:11	5.6	9.6	1000	919.9	12.6	5071.1
24/11/2019 08:26	5.6	9.9	1000.7	919.9	12.6	5071.1
24/11/2019 08:41	5.6	10.1	1000.7	919.9	12.6	5071.1
24/11/2019 08:56	5.6	10.3	1000.5	919.9	12.6	5071.1
24/11/2019 09:11	5.6	10.5	1000.9	919.9	12.6	5071.1
24/11/2019 09:26	5.6	10.7	1000.4	919.9	12.6	5071.1
24/11/2019 09:41	5.6	10.9	1001.1	919.8	12.6	5071.5
24/11/2019 09:56	5.6	11.2	1000.9	919.8	12.6	5071.5
24/11/2019 10:11	5.6	11.5	1001.1	919.8	12.6	5071.5
24/11/2019 10:26	5.6	11.8	1000.9	919.8	12.6	5071.5
24/11/2019 10:41	5.6	12.4	1000.9	919.8	12.6	5072
24/11/2019 10:56	5.6	12.8	1000.9	919.8	12.6	5072
24/11/2019 11:11	5.6	12.9	1000.9	919.8	12.6	5072
24/11/2019 11:26	5.6	13	1001	919.8	12.6	5072
24/11/2019 11:41	5.6	13.1	1001	919.8	12.6	5072
24/11/2019 11:56	5.6	13.3	1001.1	919.8	12.6	5072
24/11/2019 12:11	5.6	13.5	1001.1	919.8	12.6	5072
24/11/2019 12:26	5.6	13.2	1001.2	919.8	12.6	5072
24/11/2019 12:41	5.6	13	1001.3	919.8	12.6	5072
24/11/2019 12:56	5.6	13	1001.1	919.8	12.6	5072
24/11/2019 13:11	5.6	12.8	1001	919.8	12.6	5072
24/11/2019 13:26	5.6	12.7	1001.1	919.8	12.6	5072
24/11/2019 13:41	5.6	12.5	1001.5	919.8	12.6	5072
24/11/2019 13:56	5.6	12.4	1001.3	919.8	12.6	5072
24/11/2019 14:11	5.6	12.5	1001.5	919.8	12.6	5072
24/11/2019 14:26	5.6	12.5	1001.4	919.8	12.6	5072
24/11/2019 14:41	5.6	12.4	1001.2	919.8	12.6	5072
24/11/2019 14:56	5.6	12.1	1001.5	919.8	12.6	5072
24/11/2019 15:11	5.6	11.9	1001.6	919.8	12.6	5072
24/11/2019 15:26	5.6	11.7	1001.6	919.8	12.6	5072
24/11/2019 15:41	5.6	11.5	1001.7	919.8	12.6	5072
24/11/2019 15:56	5.6	11.2	1001.8	919.8	12.6	5072
24/11/2019 16:11	5.6	11.1	1002.1	919.8	12.6	5072
24/11/2019 16:26	5.6	11	1001.6	919.8	12.6	5072
24/11/2019 16:41	5.6	10.9	1002	919.8	12.6	5072
24/11/2019 16:56	5.6	10.8	1002.1	919.8	12.6	5072
24/11/2019 17:11	5.6	10.9	1002.1	919.8	12.6	5071.5
24/11/2019 17:26	5.6	10.9	1002.5	919.8	12.6	5071.5
24/11/2019 17:41	5.6	10.9	1002.4	919.8	12.6	5071.5
24/11/2019 17:56	5.6	10.9	1002.3	919.8	12.6	5071.5
24/11/2019 18:11	5.6	10.8	1002.7	919.8	12.6	5071.5
24/11/2019 18:26	5.6	10.8	1002.6	919.8	12.6	5071.5
24/11/2019 18:41	5.6	10.8	1002.7	919.8	12.6	5071.5
24/11/2019 18:56	5.6	10.7	1002.8	919.9	12.6	5071.1
24/11/2019 19:11	5.6	10.7	1002.6	919.9	12.6	5071.1
24/11/2019 19:26	5.6	10.6	1002.5	919.9	12.6	5071.1

24/11/2019 19:41	5.6	10.6	1002.7	919.9	12.6	5071.1
24/11/2019 19:56	5.6	10.6	1002.6	919.9	12.6	5071.1
24/11/2019 20:11	5.6	10.6	1002.4	919.9	12.6	5071.1
24/11/2019 20:26	5.6	10.6	1002.8	919.9	12.6	5071.1
24/11/2019 20:41	5.6	10.6	1002.7	920	12.6	5070.6
24/11/2019 20:56	5.6	10.6	1003.1	919.9	12.6	5071.1
24/11/2019 21:11	5.6	10.6	1003	920	12.6	5070.6
24/11/2019 21:26	5.6	10.6	1002.8	920	12.6	5070.6
24/11/2019 21:41	5.6	10.6	1003	920	12.6	5070.6
24/11/2019 21:56	5.6	10.5	1003.1	919.9	12.6	5071.1
24/11/2019 22:11	5.6	10.4	1002.8	919.9	12.6	5071.1
24/11/2019 22:26	5.6	10.3	1003	919.9	12.6	5071.1
24/11/2019 22:41	5.6	10.3	1002.9	919.8	12.6	5071.5
24/11/2019 22:56	5.6	10.3	1003.3	919.8	12.6	5071.5
24/11/2019 23:11	5.6	10.2	1003.2	919.8	12.6	5071.5
24/11/2019 23:26	5.6	10.1	1003	919.8	12.6	5071.5
24/11/2019 23:41	5.6	10.1	1002.8	919.8	12.6	5072
24/11/2019 23:56	5.6	10.1	1002.9	919.8	12.6	5071.5
25/11/2019 00:11	5.6	10	1003.1	919.8	12.6	5072
25/11/2019 00:26	5.6	10	1002.7	919.8	12.6	5072
25/11/2019 00:41	5.6	9.9	1002.5	919.8	12.6	5072
25/11/2019 00:56	5.6	9.7	1002.3	919.8	12.6	5072
25/11/2019 01:11	5.6	9.6	1002.5	919.8	12.6	5072
25/11/2019 01:26	5.6	9.5	1002.2	919.8	12.6	5072
25/11/2019 01:41	5.6	9.5	1002.3	919.8	12.6	5072
25/11/2019 01:56	5.6	9.5	1002.2	919.8	12.6	5072
25/11/2019 02:11	5.6	9.2	1002.4	919.8	12.6	5072
25/11/2019 02:26	5.6	8.9	1002.3	919.8	12.6	5072
25/11/2019 02:41	5.6	8.7	1002.3	919.8	12.6	5072
25/11/2019 02:56	5.6	8.8	1002.5	919.8	12.6	5072
25/11/2019 03:11	5.6	8.7	1002	919.8	12.6	5072
25/11/2019 03:26	5.6	8.6	1002.1	919.8	12.6	5072
25/11/2019 03:41	5.6	8.7	1002.3	919.8	12.6	5072
25/11/2019 03:56	5.6	8.8	1002.1	919.8	12.6	5072
25/11/2019 04:11	5.6	8.9	1002.3	919.8	12.6	5071.5
25/11/2019 04:26	5.6	9.1	1002.1	919.8	12.6	5071.5
25/11/2019 04:41	5.6	9.2	1002	919.8	12.6	5072
25/11/2019 04:56	5.6	9.2	1002	919.8	12.6	5072
25/11/2019 05:11	5.6	9.2	1001.8	919.8	12.6	5071.5
25/11/2019 05:26	5.6	9.2	1001.8	919.8	12.6	5071.5
25/11/2019 05:41	5.6	9.3	1002	919.8	12.6	5071.5
25/11/2019 05:56	5.6	9.4	1001.9	919.8	12.6	5071.5
25/11/2019 06:11	5.6	9.5	1001.7	919.8	12.6	5071.5
25/11/2019 06:26	5.6	9.6	1001.7	919.9	12.6	5071.1
25/11/2019 06:41	5.6	9.7	1001.9	919.9	12.6	5071.1
25/11/2019 06:56	5.6	9.8	1001.9	919.9	12.6	5071.1
25/11/2019 07:11	5.6	9.8	1001.9	920	12.6	5070.6
25/11/2019 07:26	5.6	9.8	1001.6	920	12.6	5070.6
25/11/2019 07:41	5.6	9.8	1002	920	12.6	5070.6
25/11/2019 07:56	5.6	10	1002	920	12.6	5070.6

25/11/2019 08:11	5.6	10.1	1002.1	920	12.6	5070.6
25/11/2019 08:26	5.6	10.3	1002.1	920	12.6	5070.6
25/11/2019 08:41	5.6	10.4	1001.9	920.1	12.6	5070.2
25/11/2019 08:56	5.6	10.5	1001.7	920	12.6	5070.6
25/11/2019 09:11	5.6	10.7	1001.9	920	12.6	5070.6
25/11/2019 09:26	5.6	10.9	1001.5	920	12.6	5070.6
25/11/2019 09:41	5.6	11.1	1001.9	920	12.6	5070.6
25/11/2019 09:56	5.6	11.3	1002.1	920	12.6	5070.6
25/11/2019 10:11	5.6	11.5	1002.1	920	12.6	5070.6
25/11/2019 10:26	5.6	11.7	1001.7	919.9	12.6	5071.1
25/11/2019 10:41	5.6	11.9	1001.9	919.9	12.6	5071.1
25/11/2019 10:56	5.6	12.1	1001.5	919.8	12.6	5071.5
25/11/2019 11:11	5.6	12.2	1001.3	919.8	12.6	5072
25/11/2019 11:26	5.6	12.8	1001.6	919.8	12.6	5071.5
25/11/2019 11:41	5.6	12.9	1001.5	919.8	12.6	5072
25/11/2019 11:56	5.6	12.7	1001.4	919.8	12.6	5072
25/11/2019 12:11	5.6	12.5	1001.4	919.8	12.6	5072
25/11/2019 12:26	5.6	12.2	1001.2	919.8	12.6	5072
25/11/2019 12:41	5.6	11.9	1001	919.8	12.6	5072
25/11/2019 12:56	5.6	11.9	1001	919.8	12.6	5072
25/11/2019 13:11	5.6	12	1001.1	919.8	12.6	5072
25/11/2019 13:26	5.6	12	1000.6	919.8	12.6	5072
25/11/2019 13:41	5.6	11.9	1000.9	919.8	12.6	5072
25/11/2019 13:56	5.6	11.8	1000.6	919.8	12.6	5072
25/11/2019 14:11	5.6	11.6	1000.5	919.8	12.6	5072
25/11/2019 14:26	5.6	11.5	1000.7	919.8	12.6	5072
25/11/2019 14:41	5.6	11.3	1000.7	919.8	12.6	5072
25/11/2019 14:56	5.6	11.2	1000.5	919.8	12.6	5072
25/11/2019 15:11	5.6	11	1000.4	919.8	12.6	5072
25/11/2019 15:26	5.6	10.9	1000.2	919.7	12.6	5072.4
25/11/2019 15:41	5.6	10.8	1000.3	919.8	12.6	5072
25/11/2019 15:56	5.6	10.7	1000.4	919.8	12.6	5072
25/11/2019 16:11	5.6	10.7	1000.4	919.8	12.6	5072
25/11/2019 16:26	5.6	10.6	1000.2	919.8	12.6	5072
25/11/2019 16:41	5.6	10.6	1000.1	919.8	12.6	5071.5
25/11/2019 16:56	5.6	10.6	1000.4	919.8	12.6	5072
25/11/2019 17:11	5.6	10.5	1000.1	919.8	12.6	5071.5
25/11/2019 17:26	5.6	10.4	1000.2	919.8	12.6	5072
25/11/2019 17:41	5.6	10.4	1000	919.8	12.6	5072
25/11/2019 17:56	5.6	10.4	1000.1	919.8	12.6	5072
25/11/2019 18:11	5.6	10.4	1000.3	919.8	12.6	5072
25/11/2019 18:26	5.6	10.5	1000.1	919.8	12.6	5072
25/11/2019 18:41	5.6	10.6	1000.1	919.8	12.6	5072
25/11/2019 18:56	5.6	10.6	1000.1	919.8	12.6	5072
25/11/2019 19:11	5.6	10.6	1000.1	919.8	12.6	5072
25/11/2019 19:26	5.6	10.7	999.4	919.8	12.6	5071.5
25/11/2019 19:41	5.6	10.7	999.3	919.8	12.6	5071.5
25/11/2019 19:56	5.6	10.7	999.5	919.8	12.6	5071.5
25/11/2019 20:11	5.6	10.7	999.6	919.8	12.6	5071.5
25/11/2019 20:26	5.6	10.7	999.6	919.9	12.6	5071.1

25/11/2019 20:41	5.6	10.8	999.5	919.9	12.6	5071.1
25/11/2019 20:56	5.6	10.8	999.3	919.9	12.6	5071.1
25/11/2019 21:11	5.6	10.8	999.3	919.9	12.6	5071.1
25/11/2019 21:26	5.6	10.8	999.4	919.9	12.6	5071.1
25/11/2019 21:41	5.6	10.9	999	919.9	12.6	5071.1
25/11/2019 21:56	5.6	10.9	998.7	919.9	12.6	5071.1
25/11/2019 22:11	5.6	11	999.2	919.9	12.6	5071.1
25/11/2019 22:26	5.6	11.1	998.9	919.9	12.6	5071.1
25/11/2019 22:41	5.6	11	999	919.8	12.6	5071.5
25/11/2019 22:56	5.6	11.1	998.6	919.8	12.6	5071.5
25/11/2019 23:11	5.6	11.1	998.6	919.8	12.6	5071.5
25/11/2019 23:26	5.6	11.2	998.4	919.8	12.6	5071.5
25/11/2019 23:41	5.6	11.2	998.2	919.8	12.6	5072
25/11/2019 23:56	5.6	11.2	998.4	919.8	12.6	5072
26/11/2019 00:11	5.6	11.2	998	919.8	12.6	5071.5
26/11/2019 00:26	5.6	11.2	997.7	919.8	12.6	5072
26/11/2019 00:41	5.6	11.2	997.6	919.8	12.6	5071.5
26/11/2019 00:56	5.6	11.3	997.5	919.8	12.6	5072
26/11/2019 01:11	5.6	11.3	997.5	919.8	12.6	5072
26/11/2019 01:26	5.6	11.3	997.5	919.8	12.6	5072
26/11/2019 01:41	5.6	11.2	997.4	919.8	12.6	5072
26/11/2019 01:56	5.6	11.3	997.2	919.8	12.6	5072
26/11/2019 02:11	5.6	11.3	997.3	919.7	12.6	5072.4
26/11/2019 02:26	5.6	11.2	997.1	919.7	12.6	5072.4
26/11/2019 02:41	5.6	11.1	997.1	919.7	12.6	5072.4
26/11/2019 02:56	5.6	11	997	919.8	12.6	5072
26/11/2019 03:11	5.6	10.9	997	919.7	12.6	5072.4
26/11/2019 03:26	5.6	10.8	996.8	919.8	12.6	5072
26/11/2019 03:41	5.6	10.8	996.7	919.7	12.6	5072.4
26/11/2019 03:56	5.6	10.7	996.1	919.8	12.6	5072
26/11/2019 04:11	5.6	10.6	996.6	919.7	12.6	5072.4
26/11/2019 04:26	5.6	10.6	996.3	919.8	12.6	5072
26/11/2019 04:41	5.6	10.6	996.2	919.8	12.6	5072
26/11/2019 04:56	5.6	10.6	996	919.8	12.6	5072
26/11/2019 05:11	5.6	10.6	995.9	919.8	12.6	5072
26/11/2019 05:26	5.6	10.6	995.9	919.8	12.6	5072
26/11/2019 05:41	5.6	10.6	996.1	919.8	12.6	5071.5
26/11/2019 05:56	5.6	10.6	996	919.8	12.6	5072
26/11/2019 06:11	5.6	10.5	995.8	919.8	12.6	5072
26/11/2019 06:26	5.6	10.5	995.5	919.8	12.6	5072
26/11/2019 06:41	5.6	10.4	996	919.8	12.6	5072
26/11/2019 06:56	5.6	10.4	995.7	919.8	12.6	5072
26/11/2019 07:11	5.6	10.4	995.6	919.8	12.6	5071.5
26/11/2019 07:26	5.6	10.4	995.3	919.8	12.6	5071.5
26/11/2019 07:41	5.6	10.5	995.4	919.8	12.6	5072
26/11/2019 07:56	5.6	10.6	995.3	919.9	12.6	5071.1
26/11/2019 08:11	5.6	10.6	995.1	919.8	12.6	5072
26/11/2019 08:26	5.6	10.8	995.5	919.8	12.6	5071.5
26/11/2019 08:41	5.6	10.9	995	919.8	12.6	5071.5
26/11/2019 08:56	5.6	11.2	995	919.8	12.6	5071.5

26/11/2019 09:11	5.6	11.3	994.6	919.9	12.6	5071.1
26/11/2019 09:26	5.6	11.4	994.7	919.9	12.6	5071.1
26/11/2019 09:41	5.6	11.6	994.6	919.9	12.6	5071.1
26/11/2019 09:56	5.6	11.7	994.7	919.8	12.6	5071.5
26/11/2019 10:11	5.6	11.7	994.4	919.8	12.6	5071.5
26/11/2019 10:26	5.6	11.6	994.2	919.8	12.6	5071.5
26/11/2019 10:41	5.6	11.6	993.8	919.8	12.6	5071.5
26/11/2019 10:56	5.6	11.6	993.8	919.8	12.6	5071.5
26/11/2019 11:11	5.6	11.6	993.8	919.8	12.6	5072
26/11/2019 11:26	5.6	11.4	993.4	919.8	12.6	5072
26/11/2019 11:41	5.6	11.2	993.2	919.8	12.6	5072
26/11/2019 11:56	5.6	11.1	992.7	919.8	12.6	5072
26/11/2019 12:11	5.6	11.1	992.6	919.8	12.6	5072
26/11/2019 12:26	5.6	11.1	992.7	919.8	12.6	5071.5
26/11/2019 12:41	5.6	12.4	992.5	919.8	12.6	5072
26/11/2019 12:56	5.6	11.6	992.3	919.8	12.6	5072
26/11/2019 13:11	5.6	11.5	991.6	919.7	12.6	5072.4
26/11/2019 13:26	5.6	11.6	991.7	919.8	12.6	5072
26/11/2019 13:41	5.6	11.6	991.5	919.7	12.6	5072.4
26/11/2019 13:56	5.6	11.7	991.6	919.7	12.6	5072.4
26/11/2019 14:11	5.6	11.8	991.2	919.6	12.6	5072.9
26/11/2019 14:26	5.6	12	991.1	919.6	12.6	5072.9
26/11/2019 14:41	5.6	12.2	991.2	919.5	12.6	5073.3
26/11/2019 14:56	5.6	12.4	990.8	919.5	12.6	5073.3
26/11/2019 15:11	5.6	12.4	991.2	919.4	12.6	5073.8
26/11/2019 15:26	5.6	12.3	990.8	919.4	12.6	5073.8
26/11/2019 15:41	5.6	12.3	990.8	919.4	12.6	5073.8
26/11/2019 15:56	5.6	12.2	990.7	919.4	12.6	5073.8
26/11/2019 16:11	5.6	12.2	990.6	919.3	12.6	5074.2
26/11/2019 16:26	5.6	12.1	991	919.4	12.6	5073.8
26/11/2019 16:41	5.6	12	990.9	919.4	12.6	5073.8
26/11/2019 16:56	5.6	12	990.4	919.5	12.6	5073.3
26/11/2019 17:11	5.6	12	990	919.7	12.6	5072.4
26/11/2019 17:26	5.6	11.8	989.9	919.6	12.6	5072.9
26/11/2019 17:41	5.6	11.6	990.3	919.7	12.6	5072.4
26/11/2019 17:56	5.6	11.5	990.3	919.7	12.6	5072.4
26/11/2019 18:11	5.6	11.5	990	919.8	12.6	5072
26/11/2019 18:26	5.6	11.4	990.4	919.8	12.6	5072
26/11/2019 18:41	5.6	11.3	990.4	919.8	12.6	5072
26/11/2019 18:56	5.6	11.3	990.1	919.8	12.6	5072
26/11/2019 19:11	5.6	11.4	989.8	919.8	12.6	5072
26/11/2019 19:26	5.6	11.4	989.9	919.8	12.6	5072
26/11/2019 19:41	5.6	11.3	989.9	919.8	12.6	5072
26/11/2019 19:56	5.6	11.4	989.9	919.8	12.6	5072
26/11/2019 20:11	5.6	11.5	989.5	919.8	12.6	5071.5
26/11/2019 20:26	5.6	11.6	989.5	919.8	12.6	5072
26/11/2019 20:41	5.6	11.7	989.6	919.8	12.6	5072
26/11/2019 20:56	5.6	11.7	989.1	919.8	12.6	5072
26/11/2019 21:11	5.6	11.6	989	919.7	12.6	5072.4
26/11/2019 21:26	5.6	11.6	989	919.8	12.6	5072

26/11/2019 21:41	5.6	11.5	988.6	919.7	12.6	5072.4
26/11/2019 21:56	5.6	11.5	988.4	919.8	12.6	5072
26/11/2019 22:11	5.6	11.5	988.2	919.7	12.6	5072.4
26/11/2019 22:26	5.6	11.5	988.2	919.7	12.6	5072.4
26/11/2019 22:41	5.6	11.6	988	919.7	12.6	5072.4
26/11/2019 22:56	5.6	11.7	987.8	919.7	12.6	5072.4
26/11/2019 23:11	5.6	11.8	987.8	919.8	12.6	5072
26/11/2019 23:26	5.6	11.7	987.5	919.6	12.6	5072.9
26/11/2019 23:41	5.6	11.6	987.3	919.6	12.6	5072.9
26/11/2019 23:56	5.6	11.5	987.3	919.5	12.6	5073.3
27/11/2019 00:11	5.6	11.4	986.5	919.4	12.6	5073.8
27/11/2019 00:26	5.6	11.3	986.5	919.3	12.6	5074.2
27/11/2019 00:41	5.6	11.3	986.1	919.2	12.6	5074.7
27/11/2019 00:56	5.6	11.3	985.7	919.1	12.6	5075.1
27/11/2019 01:11	5.6	11.2	985.5	918.9	12.6	5076
27/11/2019 01:26	5.6	11.1	985.3	918.7	12.6	5076.9
27/11/2019 01:41	5.6	11	985.1	918.8	12.6	5076.5
27/11/2019 01:56	5.6	11	984.7	918.7	12.6	5076.9
27/11/2019 02:11	5.6	10.9	984.3	918.6	12.6	5077.4
27/11/2019 02:26	5.6	10.9	984.1	918.6	12.6	5077.4
27/11/2019 02:41	5.6	10.9	984	918.6	12.6	5077.4
27/11/2019 02:56	5.6	10.8	983.4	918.5	12.6	5077.8
27/11/2019 03:11	5.6	10.8	983	918.4	12.6	5078.3
27/11/2019 03:26	5.6	10.8	983.2	918.5	12.6	5077.8
27/11/2019 03:41	5.6	10.8	982.7	918.4	12.6	5078.3
27/11/2019 03:56	5.6	10.8	982.2	918.4	12.6	5078.3
27/11/2019 04:11	5.6	10.8	981.9	918.5	12.6	5077.8
27/11/2019 04:26	5.6	10.8	981.8	918.5	12.6	5077.8
27/11/2019 04:41	5.6	10.7	981.4	918.3	12.6	5078.7
27/11/2019 04:56	5.6	10.7	981.1	918.4	12.6	5078.3
27/11/2019 05:11	5.6	10.8	980.7	918.4	12.6	5078.3
27/11/2019 05:26	5.6	10.8	980.6	918.5	12.6	5077.8
27/11/2019 05:41	5.6	10.9	980.1	918.5	12.6	5077.8
27/11/2019 05:56	5.6	10.8	979.7	918.7	12.6	5076.9
27/11/2019 06:11	5.6	10.8	979.6	918.7	12.6	5076.9
27/11/2019 06:26	5.6	10.8	979.5	918.7	12.6	5076.9
27/11/2019 06:41	5.6	10.8	979	918.7	12.6	5076.9
27/11/2019 06:56	5.6	10.8	979	918.7	12.6	5076.9
27/11/2019 07:11	5.6	10.7	979.2	918.8	12.6	5076.5
27/11/2019 07:26	5.6	10.6	979.2	918.9	12.6	5076
27/11/2019 07:41	5.6	10.6	979.3	919	12.6	5075.6
27/11/2019 07:56	5.6	10.5	979.4	919	12.6	5075.6
27/11/2019 08:11	5.6	10.4	979.5	919.1	12.6	5075.1
27/11/2019 08:26	5.6	10.4	979.6	919.1	12.6	5075.1
27/11/2019 08:41	5.6	10.4	979.6	919.4	12.6	5073.8
27/11/2019 08:56	5.6	10.4	979.5	919.3	12.6	5074.2
27/11/2019 09:11	5.6	10.3	979.5	919.4	12.6	5073.8
27/11/2019 09:26	5.6	10.4	979.8	919.4	12.6	5073.8
27/11/2019 09:41	5.6	10.4	979.6	919.4	12.6	5073.8
27/11/2019 09:56	5.6	10.5	979.9	919.4	12.6	5073.8

27/11/2019 10:11	5.6	10.5	979.5	919.5	12.6	5073.3
27/11/2019 10:26	5.6	10.5	979.6	919.5	12.6	5073.3
27/11/2019 10:41	5.6	10.5	979.3	919.4	12.6	5073.8
27/11/2019 10:56	5.6	10.6	979.1	919.4	12.6	5073.8
27/11/2019 11:11	5.6	10.6	979.2	919.4	12.6	5073.8
27/11/2019 11:26	5.6	10.8	979	919.4	12.6	5073.8
27/11/2019 11:41	5.6	11	979.4	919.4	12.6	5073.8
27/11/2019 11:56	5.6	11.3	979.1	919.3	12.6	5074.2
27/11/2019 12:11	5.6	12.1	978.9	919.2	12.6	5074.7
27/11/2019 12:26	5.6	12.6	979.5	919	12.6	5075.6
27/11/2019 12:41	5.6	12.8	978.8	918.9	12.6	5076
27/11/2019 12:56	5.6	12.6	979	918.8	12.6	5076.5
27/11/2019 13:11	5.6	12.3	978.8	918.7	12.6	5076.9
27/11/2019 13:26	5.6	12.2	978.5	918.6	12.6	5077.4
27/11/2019 13:41	5.5	13	978.4	918.5	12.6	5077.8
27/11/2019 13:56	5.5	14.8	978.6	918.5	12.6	5077.8
27/11/2019 14:11	5.5	15.4	978.3	918.4	12.6	5078.3
27/11/2019 14:26	5.5	14.9	978.2	918.4	12.6	5078.3
27/11/2019 14:41	5.6	13.8	978.2	918.4	12.6	5078.3
27/11/2019 14:56	5.6	12.7	977.8	918.4	12.6	5078.3
27/11/2019 15:11	5.6	11.8	977.9	918.4	12.6	5078.3
27/11/2019 15:26	5.6	11.1	977.8	918.3	12.6	5078.7
27/11/2019 15:41	5.6	10.5	977.8	918.3	12.6	5078.7
27/11/2019 15:56	5.6	10.2	977.7	918.3	12.6	5078.7
27/11/2019 16:11	5.6	9.9	977.5	918.3	12.6	5079.2
27/11/2019 16:26	5.6	9.7	977.5	918.3	12.6	5078.7
27/11/2019 16:41	5.6	9.5	977.6	918.3	12.6	5078.7
27/11/2019 16:56	5.6	9.3	977.5	918.3	12.6	5078.7
27/11/2019 17:11	5.6	9.1	977.7	918.3	12.6	5078.7
27/11/2019 17:26	5.6	9	977.9	918.3	12.6	5078.7
27/11/2019 17:41	5.6	8.9	977.5	918.3	12.6	5078.7
27/11/2019 17:56	5.6	8.9	977.8	918.3	12.6	5078.7
27/11/2019 18:11	5.6	8.9	977.9	918.5	12.6	5077.8
27/11/2019 18:26	5.6	8.9	978	918.3	12.6	5078.7
27/11/2019 18:41	5.6	8.8	978.3	918.5	12.6	5077.8
27/11/2019 18:56	5.6	8.6	978.2	918.5	12.6	5077.8
27/11/2019 19:11	5.6	8.7	978.4	918.7	12.6	5076.9
27/11/2019 19:26	5.6	8.7	978.7	918.6	12.6	5077.4
27/11/2019 19:41	5.6	8.7	978.5	918.7	12.6	5076.9
27/11/2019 19:56	5.6	8.8	978.8	918.7	12.6	5076.9
27/11/2019 20:11	5.6	8.9	979	918.8	12.6	5076.5
27/11/2019 20:26	5.6	9.1	979.4	918.9	12.6	5076
27/11/2019 20:41	5.6	9.2	979.6	918.9	12.6	5076
27/11/2019 20:56	5.6	9.3	979.3	918.9	12.6	5076
27/11/2019 21:11	5.6	9.4	979.6	919.2	12.6	5074.7
27/11/2019 21:26	5.6	9.5	979.8	919.1	12.6	5075.1
27/11/2019 21:41	5.6	9.5	979.9	919.3	12.6	5074.2
27/11/2019 21:56	5.6	9.4	979.8	919.3	12.6	5074.2
27/11/2019 22:11	5.6	9.3	980.3	919.3	12.6	5074.2
27/11/2019 22:26	5.6	9.2	980.6	919.4	12.6	5073.8

27/11/2019 22:41	5.6	9.1	980.4	919.3	12.6	5074.2
27/11/2019 22:56	5.6	9.1	980.4	919.4	12.6	5073.8
27/11/2019 23:11	5.6	9	980.4	919.4	12.6	5073.8
27/11/2019 23:26	5.6	9	980.6	919.4	12.6	5073.8
27/11/2019 23:41	5.6	9	980.9	919.3	12.6	5074.2
27/11/2019 23:56	5.6	9	981.2	919.3	12.6	5074.2
28/11/2019 00:11	5.6	9.1	981.3	919.3	12.6	5074.2
28/11/2019 00:26	5.6	9.1	981.5	919.3	12.6	5074.2
28/11/2019 00:41	5.6	9.1	981.2	919.1	12.6	5075.1
28/11/2019 00:56	5.6	9	981.5	919	12.6	5075.6
28/11/2019 01:11	5.6	9	981.6	918.9	12.6	5076
28/11/2019 01:26	5.6	9	981.3	918.8	12.6	5076.5
28/11/2019 01:41	5.6	8.9	981.4	918.7	12.6	5076.9
28/11/2019 01:56	5.6	8.9	981.7	918.7	12.6	5076.9
28/11/2019 02:11	5.6	9	982	918.7	12.6	5076.9
28/11/2019 02:26	5.6	9	981.7	918.5	12.6	5077.8
28/11/2019 02:41	5.6	8.9	982	918.6	12.6	5077.4
28/11/2019 02:56	5.6	8.9	982	918.5	12.6	5077.8
28/11/2019 03:11	5.6	8.9	982	918.4	12.6	5078.3
28/11/2019 03:26	5.6	8.9	982.2	918.5	12.6	5077.8
28/11/2019 03:41	5.6	8.9	982.3	918.5	12.6	5077.8
28/11/2019 03:56	5.6	8.9	982.2	918.5	12.6	5077.8
28/11/2019 04:11	5.6	8.8	982.5	918.4	12.6	5078.3
28/11/2019 04:26	5.6	8.8	982.6	918.3	12.6	5078.7
28/11/2019 04:41	5.6	8.8	982.7	918.5	12.6	5077.8
28/11/2019 04:56	5.6	8.7	982.9	918.3	12.6	5078.7
28/11/2019 05:11	5.6	8.7	983	918.3	12.6	5078.7
28/11/2019 05:26	5.6	8.6	983.3	918.4	12.6	5078.3
28/11/2019 05:41	5.6	8.6	983.3	918.4	12.6	5078.3
28/11/2019 05:56	5.6	8.6	983.6	918.5	12.6	5077.8
28/11/2019 06:11	5.6	8.6	983.8	918.7	12.6	5076.9
28/11/2019 06:26	5.6	8.6	984.2	918.7	12.6	5076.9
28/11/2019 06:41	5.6	8.6	983.9	918.9	12.6	5076
28/11/2019 06:56	5.6	8.6	984.3	918.9	12.6	5076
28/11/2019 07:11	5.6	8.6	984.5	918.9	12.6	5076
28/11/2019 07:26	5.6	8.7	984.8	919.1	12.6	5075.1
28/11/2019 07:41	5.6	8.7	985.4	919.2	12.6	5074.7
28/11/2019 07:56	5.6	8.8	985.5	919.3	12.6	5074.2
28/11/2019 08:11	5.6	8.8	985.7	919.4	12.6	5073.8
28/11/2019 08:26	5.6	8.9	986.1	919.5	12.6	5073.3
28/11/2019 08:41	5.6	9	986.1	919.5	12.6	5073.3
28/11/2019 08:56	5.6	9.1	986.6	919.6	12.6	5072.9
28/11/2019 09:11	5.6	9.2	986.7	919.6	12.6	5072.9
28/11/2019 09:26	5.6	9.2	987.3	919.7	12.6	5072.4
28/11/2019 09:41	5.6	9.4	987.6	919.8	12.6	5072
28/11/2019 09:56	5.6	9.5	987.8	919.8	12.6	5072
28/11/2019 10:11	5.6	9.6	988.3	919.8	12.6	5072
28/11/2019 10:26	5.6	9.7	988.2	919.7	12.6	5072.4
28/11/2019 10:41	5.6	9.8	988.7	919.8	12.6	5072
28/11/2019 10:56	5.6	10	988.6	919.8	12.6	5072

28/11/2019 11:11	5.6	10.2	988.8	919.8	12.6	5072
28/11/2019 11:26	5.6	10.3	988.8	919.8	12.6	5072
28/11/2019 11:41	5.6	10.4	989.2	919.8	12.6	5072
28/11/2019 11:56	5.6	10.4	989.4	919.8	12.6	5072
28/11/2019 12:11	5.6	10.5	989.7	919.8	12.6	5072
28/11/2019 12:26	5.6	10.6	989.7	919.8	12.6	5072
28/11/2019 12:41	5.6	10.7	990.2	919.7	12.6	5072.4
28/11/2019 12:56	5.6	10.7	990.4	919.8	12.6	5072
28/11/2019 13:11	5.6	10.6	990.7	919.7	12.6	5072.4
28/11/2019 13:26	5.6	10.5	991	919.7	12.6	5072.4
28/11/2019 13:41	5.6	10.7	991.2	919.6	12.6	5072.9
28/11/2019 13:56	5.6	10.8	991.5	919.5	12.6	5073.3
28/11/2019 14:11	5.6	10.8	991.8	919.4	12.6	5073.8
28/11/2019 14:26	5.6	10.8	992.2	919.3	12.6	5074.2
28/11/2019 14:41	5.6	10.8	992.4	919.2	12.6	5074.7
28/11/2019 14:56	5.6	10.7	992.7	919.2	12.6	5074.7
28/11/2019 15:11	5.6	10.4	993.1	919.3	12.6	5074.2
28/11/2019 15:26	5.6	10.1	993.4	919.2	12.6	5074.7
28/11/2019 15:41	5.6	9.8	993.5	919.2	12.6	5074.7
28/11/2019 15:56	5.6	9.5	993.8	919.3	12.6	5074.2
28/11/2019 16:11	5.6	9.2	994.1	919.3	12.6	5074.2
28/11/2019 16:26	5.6	9	994.4	919.2	12.6	5074.7
28/11/2019 16:41	5.6	8.9	994.5	919.2	12.6	5074.7
28/11/2019 16:56	5.6	8.8	994.7	919.2	12.6	5074.7
28/11/2019 17:11	5.6	8.8	995.3	919.2	12.6	5074.7
28/11/2019 17:26	5.6	8.7	995.1	919.3	12.6	5074.2
28/11/2019 17:41	5.6	8.6	995.6	919.3	12.6	5074.2
28/11/2019 17:56	5.6	8.5	996.1	919.4	12.6	5073.8
28/11/2019 18:11	5.6	8.3	996.2	919.4	12.6	5073.8
28/11/2019 18:26	5.6	8.1	996.5	919.6	12.6	5072.9
28/11/2019 18:41	5.6	8	996.7	919.6	12.6	5072.9
28/11/2019 18:56	5.6	7.9	997.1	919.7	12.6	5072.4
28/11/2019 19:11	5.6	7.8	997.6	919.8	12.6	5072
28/11/2019 19:26	5.6	7.7	998	919.8	12.6	5072
28/11/2019 19:41	5.6	7.6	998	919.8	12.6	5072
28/11/2019 19:56	5.6	7.5	998.5	919.8	12.6	5072
28/11/2019 20:11	5.6	7.4	998.4	919.8	12.6	5072
28/11/2019 20:26	5.6	7.3	998.5	919.8	12.6	5072
28/11/2019 20:41	5.6	7.3	998.9	919.8	12.6	5072
28/11/2019 20:56	5.6	7.2	998.9	919.8	12.6	5072
28/11/2019 21:11	5.6	7	999.1	919.8	12.6	5072
28/11/2019 21:26	5.6	6.8	999.6	919.8	12.6	5072
28/11/2019 21:41	5.6	6.4	999.9	919.8	12.6	5072
28/11/2019 21:56	5.6	6.1	1000	919.8	12.6	5072
28/11/2019 22:11	5.6	5.9	1000.1	919.8	12.6	5072
28/11/2019 22:26	5.6	5.7	1000.5	919.8	12.6	5072
28/11/2019 22:41	5.6	5.4	1000.7	919.8	12.6	5072
28/11/2019 22:56	5.6	5.2	1000.9	919.8	12.6	5072
28/11/2019 23:11	5.6	5	1000.9	919.8	12.6	5072
28/11/2019 23:26	5.6	5	1001.4	919.8	12.6	5072

28/11/2019 23:41	5.6	5.2	1001.7	919.8	12.6	5072
28/11/2019 23:56	5.6	5.2	1001.8	919.8	12.6	5072
29/11/2019 00:11	5.6	5.2	1001.8	919.8	12.6	5072
29/11/2019 00:26	5.6	5.1	1002	919.8	12.6	5072
29/11/2019 00:41	5.6	5	1002.3	919.8	12.6	5071.5
29/11/2019 00:56	5.6	4.9	1002.2	919.8	12.6	5072
29/11/2019 01:11	5.6	4.8	1002.4	919.8	12.6	5072
29/11/2019 01:26	5.6	4.6	1003	919.8	12.6	5072
29/11/2019 01:41	5.6	4.3	1003.3	919.8	12.6	5072
29/11/2019 01:56	5.6	4.1	1003	919.8	12.6	5072
29/11/2019 02:11	5.6	3.8	1003.6	919.8	12.6	5072
29/11/2019 02:26	5.6	3.7	1003.8	919.8	12.6	5072
29/11/2019 02:41	5.6	3.6	1004.1	919.8	12.6	5072
29/11/2019 02:56	5.6	3.5	1004	919.7	12.6	5072.4
29/11/2019 03:11	5.6	3.4	1004.2	919.8	12.6	5072
29/11/2019 03:26	5.6	3.4	1004.7	919.8	12.6	5072
29/11/2019 03:41	5.6	3.3	1004.8	919.8	12.6	5072
29/11/2019 03:56	5.6	3.1	1004.8	919.8	12.6	5072
29/11/2019 04:11	5.6	2.9	1005	919.8	12.6	5072
29/11/2019 04:26	5.6	2.8	1005.3	919.8	12.6	5072
29/11/2019 04:41	5.6	2.7	1005.7	919.7	12.6	5072.4
29/11/2019 04:56	5.6	2.6	1005.4	919.7	12.6	5072.4
29/11/2019 05:11	5.6	2.5	1006	919.8	12.6	5072
29/11/2019 05:26	5.6	2.5	1006.5	919.8	12.6	5072
29/11/2019 05:41	5.6	2.6	1006.3	919.7	12.6	5072.4
29/11/2019 05:56	5.6	2.6	1006.8	919.7	12.6	5072.4
29/11/2019 06:11	5.6	2.5	1007.4	919.8	12.6	5072
29/11/2019 06:26	5.6	2.5	1007.3	919.8	12.6	5072
29/11/2019 06:41	5.6	2.4	1007.6	919.8	12.6	5072
29/11/2019 06:56	5.6	2.4	1008	919.8	12.6	5072
29/11/2019 07:11	5.6	2.5	1008.3	919.8	12.6	5072
29/11/2019 07:26	5.6	2.7	1008.4	919.6	12.6	5072.9
29/11/2019 07:41	5.6	2.9	1008.8	919.8	12.6	5072
29/11/2019 07:56	5.6	3.1	1008.9	919.8	12.6	5072
29/11/2019 08:11	5.6	3.1	1009.2	919.8	12.6	5072
29/11/2019 08:26	5.6	3.2	1009.4	919.8	12.6	5072
29/11/2019 08:41	5.6	4.3	1009.4	919.8	12.6	5071.5
29/11/2019 08:56	5.6	5.8	1010	919.8	12.6	5072
29/11/2019 09:11	5.6	7.6	1010	919.8	12.6	5071.5
29/11/2019 09:26	5.6	9.3	1010.1	919.8	12.6	5071.5
29/11/2019 09:41	5.5	10.7	1010.5	919.8	12.6	5071.5
29/11/2019 09:56	5.5	12	1010.9	919.9	12.6	5071.1
29/11/2019 10:11	5.5	13.1	1011.4	919.9	12.6	5071.1
29/11/2019 10:26	5.5	13.8	1011.4	920	12.6	5070.6
29/11/2019 10:41	5.5	14.4	1011.7	920	12.6	5070.6
29/11/2019 10:56	5.5	14.8	1011.8	920	12.6	5070.6
29/11/2019 11:11	5.5	15.3	1011.8	920	12.6	5070.6
29/11/2019 11:26	5.5	16	1011.9	920	12.6	5070.6
29/11/2019 11:41	5.5	16.6	1012.3	920	12.6	5070.6
29/11/2019 11:56	5.5	16.5	1012.3	920	12.6	5070.6

29/11/2019 12:11	5.5	16.5	1012.5	920	12.6	5070.6
29/11/2019 12:26	5.5	16.7	1012.8	920	12.6	5070.6
29/11/2019 12:41	5.5	17	1012.8	920	12.6	5070.6
29/11/2019 12:56	5.5	17.1	1013.3	920	12.6	5070.6
29/11/2019 13:11	5.5	17.1	1013	920.1	12.6	5070.2
29/11/2019 13:26	5.5	17.1	1013.3	920	12.6	5070.6
29/11/2019 13:41	5.5	16.9	1013.2	920	12.6	5070.6
29/11/2019 13:56	5.5	16.9	1013.7	919.9	12.6	5071.1
29/11/2019 14:11	5.5	16.3	1014	919.9	12.6	5071.1
29/11/2019 14:26	5.5	16	1013.8	919.8	12.6	5071.5
29/11/2019 14:41	5.5	14.8	1014.5	919.8	12.6	5071.5
29/11/2019 14:56	5.6	12.7	1014.3	919.8	12.6	5071.5
29/11/2019 15:11	5.6	11	1014.6	919.8	12.6	5072
29/11/2019 15:26	5.6	9.7	1014.8	919.8	12.6	5072
29/11/2019 15:41	5.6	8.7	1014.8	919.8	12.6	5072
29/11/2019 15:56	5.6	8	1015.4	919.8	12.6	5072
29/11/2019 16:11	5.6	7.1	1015.4	919.8	12.6	5072
29/11/2019 16:26	5.6	6.2	1015.7	919.8	12.6	5072
29/11/2019 16:41	5.6	5.4	1016.1	919.8	12.6	5072
29/11/2019 16:56	5.6	4.7	1016.3	919.8	12.6	5072
29/11/2019 17:11	5.6	4.3	1016.5	919.8	12.6	5072
29/11/2019 17:26	5.6	4	1016.5	919.8	12.6	5072
29/11/2019 17:41	5.6	3.7	1017	919.8	12.6	5072
29/11/2019 17:56	5.6	3.4	1016.7	919.8	12.6	5072
29/11/2019 18:11	5.6	3.1	1016.7	919.8	12.6	5072
29/11/2019 18:26	5.6	2.8	1017.2	919.8	12.6	5072
29/11/2019 18:41	5.6	2.6	1017.4	919.8	12.6	5072
29/11/2019 18:56	5.6	2.4	1017.6	919.8	12.6	5072
29/11/2019 19:11	5.6	2.3	1017.7	919.8	12.6	5071.5
29/11/2019 19:26	5.6	2.1	1017.9	919.8	12.6	5072
29/11/2019 19:41	5.6	2	1018.1	919.8	12.6	5071.5
29/11/2019 19:56	5.6	2	1018.3	919.8	12.6	5071.5
29/11/2019 20:11	5.6	2	1018	919.8	12.6	5071.5
29/11/2019 20:26	5.6	1.9	1018.3	919.8	12.6	5072
29/11/2019 20:41	5.6	1.9	1018.2	919.8	12.6	5071.5
29/11/2019 20:56	5.6	1.9	1018.5	919.8	12.6	5071.5
29/11/2019 21:11	5.6	1.8	1018.4	919.9	12.6	5071.1
29/11/2019 21:26	5.6	1.8	1018.3	919.9	12.6	5071.1
29/11/2019 21:41	5.6	1.7	1018.3	919.9	12.6	5071.1
29/11/2019 21:56	5.6	1.7	1018.5	919.9	12.6	5071.1
29/11/2019 22:11	5.6	1.7	1018.8	920	12.6	5070.6
29/11/2019 22:26	5.6	1.6	1019.2	920	12.6	5070.6
29/11/2019 22:41	5.6	1.6	1018.9	920.1	12.6	5070.2
29/11/2019 22:56	5.6	1.7	1019.1	920.1	12.6	5070.2
29/11/2019 23:11	5.6	1.8	1019	920.2	12.6	5069.7
29/11/2019 23:26	5.6	1.7	1019.3	920.1	12.6	5070.2
29/11/2019 23:41	5.6	1.5	1019.2	920.1	12.6	5070.2
29/11/2019 23:56	5.6	1.5	1019.4	920.1	12.6	5070.2
30/11/2019 00:11	5.6	1.3	1019.4	920.2	12.6	5069.7
30/11/2019 00:26	5.6	1.1	1019.2	920.1	12.6	5070.2

30/11/2019 00:41	5.6	0.9	1019.4	920.1	12.6	5070.2
30/11/2019 00:56	5.6	0.8	1019.8	920.1	12.6	5070.2
30/11/2019 01:11	5.6	0.7	1019.9	920.1	12.6	5070.2
30/11/2019 01:26	5.6	0.6	1020.1	920.1	12.6	5070.2
30/11/2019 01:41	5.6	0.4	1020.2	920.1	12.6	5070.2
30/11/2019 01:56	5.6	0.3	1020.3	920	12.6	5070.6
30/11/2019 02:11	5.6	0.3	1020.4	919.9	12.6	5071.1
30/11/2019 02:26	5.6	0.4	1020.3	919.9	12.6	5071.1
30/11/2019 02:41	5.6	0.4	1020.3	919.8	12.6	5071.5
30/11/2019 02:56	5.6	0.3	1020.4	919.8	12.6	5071.5
30/11/2019 03:11	5.6	0.2	1020.2	919.8	12.6	5071.5
30/11/2019 03:26	5.6	0.1	1019.9	919.8	12.6	5072
30/11/2019 03:41	5.6	0.1	1019.7	919.8	12.6	5072
30/11/2019 03:56	5.6	0	1019.8	919.8	12.6	5072
30/11/2019 04:11	5.6	-0.1	1019.6	919.8	12.6	5072
30/11/2019 04:26	5.6	-0.1	1020	919.8	12.6	5072
30/11/2019 04:41	5.6	-0.1	1020	919.8	12.6	5072
30/11/2019 04:56	5.6	-0.2	1020.1	919.8	12.6	5072
30/11/2019 05:11	5.6	-0.4	1020.1	919.8	12.6	5072
30/11/2019 05:26	5.6	-0.8	1019.8	919.8	12.6	5072
30/11/2019 05:41	5.6	-1.1	1019.8	919.8	12.6	5072
30/11/2019 05:56	5.6	-1.4	1020	919.8	12.6	5072
30/11/2019 06:11	5.6	-1.6	1019.9	919.8	12.6	5072
30/11/2019 06:26	5.7	-1.8	1020.1	919.8	12.6	5072
30/11/2019 06:41	5.7	-2	1020.1	919.8	12.6	5072
30/11/2019 06:56	5.7	-2.1	1020.1	919.8	12.6	5072
30/11/2019 07:11	5.7	-2.2	1020	919.8	12.6	5072
30/11/2019 07:26	5.7	-2.3	1020.1	919.7	12.6	5072.4
30/11/2019 07:41	5.7	-2.3	1020.3	919.8	12.6	5072
30/11/2019 07:56	5.7	-2.2	1020.5	919.8	12.6	5072
30/11/2019 08:11	5.7	-2	1020.5	919.8	12.6	5072
30/11/2019 08:26	5.6	-1.7	1020.7	919.8	12.6	5072
30/11/2019 08:41	5.6	-0.6	1020.4	919.8	12.6	5072
30/11/2019 08:56	5.6	1.6	1020.1	919.8	12.6	5071.5
30/11/2019 09:11	5.6	4.1	1020.6	919.8	12.6	5071.5
30/11/2019 09:26	5.6	6.6	1020.6	919.8	12.6	5071.5
30/11/2019 09:41	5.5	9.1	1020.2	919.9	12.6	5071.1
30/11/2019 09:56	5.5	11.4	1020.4	919.9	12.6	5071.1
30/11/2019 10:11	5.5	12.5	1020.4	920	12.6	5070.6
30/11/2019 10:26	5.5	13.4	1020.6	920	12.6	5070.6
30/11/2019 10:41	5.5	14.3	1020.1	920	12.6	5070.6
30/11/2019 10:56	5.5	15.1	1020	920.1	12.6	5070.2
30/11/2019 11:11	5.5	15.6	1019.9	920.1	12.6	5070.2
30/11/2019 11:26	5.5	15.9	1019.6	920.1	12.6	5070.2
30/11/2019 11:41	5.5	16.1	1019.9	920.1	12.6	5070.2
30/11/2019 11:56	5.5	16.3	1019.8	920.1	12.6	5070.2
30/11/2019 12:11	5.5	16.1	1020	920.2	12.6	5069.7
30/11/2019 12:26	5.5	16.3	1019.7	920.3	12.6	5069.3
30/11/2019 12:41	5.5	16.1	1019.9	920.3	12.6	5069.3
30/11/2019 12:56	5.5	15.8	1019.3	920.3	12.6	5069.3

30/11/2019 13:11	5.5	14.5	1019.2	920.3	12.6	5069.3
30/11/2019 13:26	5.5	14.6	1019.1	920.3	12.6	5069.3
30/11/2019 13:41	5.5	14.6	1019.1	920.3	12.6	5069.3
30/11/2019 13:56	5.5	13.3	1019.1	920.2	12.6	5069.7
30/11/2019 14:11	5.6	11.7	1019.2	920.1	12.6	5070.2
30/11/2019 14:26	5.6	10.4	1019.4	920.1	12.6	5070.2
30/11/2019 14:41	5.6	9.1	1019.1	920	12.6	5070.6
30/11/2019 14:56	5.6	8.3	1019.1	920	12.6	5070.6
30/11/2019 15:11	5.6	8	1019.1	919.9	12.6	5071.1
30/11/2019 15:26	5.6	7.7	1018.8	919.8	12.6	5071.5
30/11/2019 15:41	5.6	7.6	1019	919.8	12.6	5071.5
30/11/2019 15:56	5.6	7.5	1019.2	919.8	12.6	5071.5
30/11/2019 16:11	5.6	7.6	1018.9	919.8	12.6	5071.5
30/11/2019 16:26	5.6	7.3	1018.9	919.8	12.6	5072
30/11/2019 16:41	5.6	7.3	1018.9	919.8	12.6	5071.5
30/11/2019 16:56	5.6	7.4	1019.3	919.8	12.6	5072
30/11/2019 17:11	5.6	7.4	1019	919.8	12.6	5072
30/11/2019 17:26	5.6	7.2	1019.3	919.8	12.6	5072
30/11/2019 17:41	5.6	7.2	1019.1	919.8	12.6	5072
30/11/2019 17:56	5.6	7.3	1019	919.8	12.6	5072
30/11/2019 18:11	5.6	7.7	1019.2	919.8	12.6	5072
30/11/2019 18:26	5.6	7.8	1019.5	919.8	12.6	5072
30/11/2019 18:41	5.6	7.7	1019.3	919.8	12.6	5072
30/11/2019 18:56	5.6	7.6	1019.3	919.8	12.6	5072
30/11/2019 19:11	5.6	7.7	1019.4	919.8	12.6	5072
30/11/2019 19:26	5.6	7.8	1019.4	919.8	12.6	5072
30/11/2019 19:41	5.6	7.8	1019.3	919.8	12.6	5072
30/11/2019 19:56	5.6	7.7	1019.2	919.8	12.6	5072
30/11/2019 20:11	5.6	7.4	1018.9	919.8	12.6	5072
30/11/2019 20:26	5.6	7.3	1019.2	919.8	12.6	5072
30/11/2019 20:41	5.6	7.3	1019.4	919.8	12.6	5072
30/11/2019 20:56	5.6	7.2	1019.1	919.8	12.6	5071.5
30/11/2019 21:11	5.6	7.5	1018.7	919.8	12.6	5071.5
30/11/2019 21:26	5.6	7.7	1019	919.9	12.6	5071.1
30/11/2019 21:41	5.6	7.9	1018.5	919.8	12.6	5071.5
30/11/2019 21:56	5.6	8	1018.8	919.9	12.6	5071.1
30/11/2019 22:11	5.6	8.1	1018.8	919.9	12.6	5071.1
30/11/2019 22:26	5.6	8.2	1018.8	919.9	12.6	5071.1
30/11/2019 22:41	5.6	8.2	1018.8	920	12.6	5070.6
30/11/2019 22:56	5.6	8.2	1018.5	920	12.6	5070.6
30/11/2019 23:11	5.6	8.2	1018.7	920	12.6	5070.6
30/11/2019 23:26	5.6	8.2	1018.8	920.1	12.6	5070.2
30/11/2019 23:41	5.6	8.2	1018.7	920.1	12.6	5070.2
30/11/2019 23:56	5.6	8.2	1018.5	920	12.6	5070.6
01/12/2019 00:11	5.6	8.2	1018.5	920.1	12.6	5070.2
01/12/2019 00:26	5.6	8.2	1018.8	920.1	12.6	5070.2
01/12/2019 00:41	5.6	8.2	1019	920.1	12.6	5070.2
01/12/2019 00:56	5.6	8.1	1018.7	920.1	12.6	5070.2
01/12/2019 01:11	5.6	8.1	1018.6	920	12.6	5070.6
01/12/2019 01:26	5.6	8.1	1018.5	920.1	12.6	5070.2

01/12/2019 01:41	5.6	8.1	1018.5	920.1	12.6	5070.2
01/12/2019 01:56	5.6	8.1	1018.3	920	12.6	5070.6
01/12/2019 02:11	5.6	8.1	1018.4	919.9	12.6	5071.1
01/12/2019 02:26	5.6	8.1	1018.5	919.9	12.6	5071.1
01/12/2019 02:41	5.6	8.1	1018.5	919.9	12.6	5071.1
01/12/2019 02:56	5.6	7.9	1018.5	919.9	12.6	5071.1
01/12/2019 03:11	5.6	7.8	1018.1	919.9	12.6	5071.1
01/12/2019 03:26	5.6	7.7	1017.8	919.8	12.6	5071.5
01/12/2019 03:41	5.6	7.8	1017.9	919.8	12.6	5072
01/12/2019 03:56	5.6	7.8	1017.9	919.8	12.6	5072
01/12/2019 04:11	5.6	7.8	1018.2	919.8	12.6	5072
01/12/2019 04:26	5.6	7.9	1018.1	919.8	12.6	5072
01/12/2019 04:41	5.6	7.9	1018	919.8	12.6	5072
01/12/2019 04:56	5.6	7.8	1018.1	919.8	12.6	5072
01/12/2019 05:11	5.6	7.8	1017.8	919.8	12.6	5072
01/12/2019 05:26	5.6	7.8	1017.8	919.8	12.6	5072
01/12/2019 05:41	5.6	7.9	1017.6	919.8	12.6	5072
01/12/2019 05:56	5.6	7.9	1017.9	919.8	12.6	5072
01/12/2019 06:11	5.6	7.8	1017.7	919.8	12.6	5072
01/12/2019 06:26	5.6	7.7	1017.8	919.8	12.6	5072
01/12/2019 06:41	5.6	7.7	1017.9	919.8	12.6	5072
01/12/2019 06:56	5.6	7.8	1018.1	919.7	12.6	5072.4
01/12/2019 07:11	5.6	7.8	1018.6	919.8	12.6	5072
01/12/2019 07:26	5.6	7.8	1018.4	919.8	12.6	5072
01/12/2019 07:41	5.6	7.8	1018.5	919.8	12.6	5072
01/12/2019 07:56	5.6	7.7	1018.6	919.8	12.6	5072
01/12/2019 08:11	5.6	7.6	1018.7	919.8	12.6	5072
01/12/2019 08:26	5.6	7.6	1018.6	919.8	12.6	5072
01/12/2019 08:41	5.6	7.8	1019.4	919.8	12.6	5072
01/12/2019 08:56	5.6	7.9	1019.1	919.8	12.6	5072
01/12/2019 09:11	5.6	8.2	1019.4	919.8	12.6	5072
01/12/2019 09:26	5.6	8.1	1019.2	919.8	12.6	5071.5
01/12/2019 09:41	5.6	7.8	1019.6	919.8	12.6	5071.5
01/12/2019 09:56	5.6	7.6	1020	919.8	12.6	5071.5
01/12/2019 10:11	5.6	7.4	1020.1	919.8	12.6	5071.5
01/12/2019 10:26	5.6	7.3	1020.3	919.9	12.6	5071.1
01/12/2019 10:41	5.6	7.5	1020	919.9	12.6	5071.1
01/12/2019 10:56	5.6	7.7	1020	919.9	12.6	5071.1
01/12/2019 11:11	5.6	8.1	1020.1	920	12.6	5070.6
01/12/2019 11:26	5.6	8	1019.7	920	12.6	5070.6
01/12/2019 11:41	5.6	7.7	1019.9	920	12.6	5070.6
01/12/2019 11:56	5.6	7.7	1019.8	920	12.6	5070.6
01/12/2019 12:11	5.6	7.7	1019.8	920.1	12.6	5070.2
01/12/2019 12:26	5.6	7.5	1019.8	920.1	12.6	5070.2
01/12/2019 12:41	5.6	7.4	1019.6	920.1	12.6	5070.2
01/12/2019 12:56	5.6	7.7	1019.8	920.1	12.6	5070.2
01/12/2019 13:11	5.6	8.2	1019.5	920.2	12.6	5069.7
01/12/2019 13:26	5.6	8.5	1019.7	920.3	12.6	5069.3
01/12/2019 13:41	5.6	8.7	1019.4	920.2	12.6	5069.7
01/12/2019 13:56	5.6	8.2	1019.4	920.2	12.6	5069.7

01/12/2019 14:11	5.6	8	1019.7	920.2	12.6	5069.7
01/12/2019 14:26	5.6	8	1019.9	920.2	12.6	5069.7
01/12/2019 14:41	5.6	7.8	1019.8	920.1	12.6	5070.2
01/12/2019 14:56	5.6	7.5	1020	920.1	12.6	5070.2
01/12/2019 15:11	5.6	7.3	1020.5	920.1	12.6	5070.2
01/12/2019 15:26	5.6	6.9	1020.7	920.1	12.6	5070.2
01/12/2019 15:41	5.6	6.5	1020.8	920	12.6	5070.6
01/12/2019 15:56	5.6	6.2	1021.2	919.9	12.6	5071.1
01/12/2019 16:11	5.6	5.8	1021.2	919.9	12.6	5071.1
01/12/2019 16:26	5.6	5.4	1021.3	919.9	12.6	5071.1
01/12/2019 16:41	5.6	5.1	1021.4	919.8	12.6	5071.5
01/12/2019 16:56	5.6	4.7	1021.5	919.8	12.6	5071.5
01/12/2019 17:11	5.6	4.7	1021.4	919.9	12.6	5071.1
01/12/2019 17:26	5.6	4.6	1021.8	919.8	12.6	5071.5
01/12/2019 17:41	5.6	4.4	1022	919.8	12.6	5071.5
01/12/2019 17:56	5.6	4.3	1022.3	919.8	12.6	5071.5
01/12/2019 18:11	5.6	4.1	1022	919.8	12.6	5072
01/12/2019 18:26	5.6	4	1022.1	919.8	12.6	5072
01/12/2019 18:41	5.6	4.1	1021.9	919.8	12.6	5072
01/12/2019 18:56	5.6	4.3	1022	919.8	12.6	5072
01/12/2019 19:11	5.6	4.6	1022.3	919.8	12.6	5071.5
01/12/2019 19:26	5.6	4.7	1022.1	919.8	12.6	5072
01/12/2019 19:41	5.6	4.4	1022.5	919.8	12.6	5072
01/12/2019 19:56	5.6	3.9	1022.4	919.8	12.6	5072
01/12/2019 20:11	5.6	3.5	1022.7	919.8	12.6	5071.5
01/12/2019 20:26	5.6	3.4	1022.8	919.9	12.6	5071.1
01/12/2019 20:41	5.6	3.5	1023.1	919.9	12.6	5071.1
01/12/2019 20:56	5.6	3.3	1023.4	919.9	12.6	5071.1
01/12/2019 21:11	5.6	3.2	1023.5	920	12.6	5070.6
01/12/2019 21:26	5.6	3	1023.3	920	12.6	5070.6
01/12/2019 21:41	5.6	2.8	1023.9	920	12.6	5070.6
01/12/2019 21:56	5.6	2.6	1023.6	920.1	12.6	5070.2
01/12/2019 22:11	5.6	2.5	1023.7	920.1	12.6	5070.2
01/12/2019 22:26	5.6	2.4	1023.7	920.1	12.6	5070.2
01/12/2019 22:41	5.6	2.2	1023.5	920.1	12.6	5070.2
01/12/2019 22:56	5.6	2.1	1023.9	920.2	12.6	5069.7
01/12/2019 23:11	5.6	2	1023.8	920.2	12.6	5069.7
01/12/2019 23:26	5.6	1.9	1024.2	920.3	12.6	5069.3
01/12/2019 23:41	5.6	1.9	1023.8	920.3	12.6	5069.3
01/12/2019 23:56	5.6	1.9	1023.6	920.3	12.6	5069.3
02/12/2019 00:11	5.6	1.9	1023.9	920.4	12.6	5068.8
02/12/2019 00:26	5.6	1.8	1024.3	920.4	12.6	5068.8
02/12/2019 00:41	5.6	1.9	1024	920.4	12.6	5068.8
02/12/2019 00:56	5.6	2.1	1024.3	920.5	12.6	5068.4
02/12/2019 01:11	5.6	2.2	1024.6	920.4	12.6	5068.8
02/12/2019 01:26	5.6	2.2	1024.5	920.4	12.6	5068.8
02/12/2019 01:41	5.6	2.2	1024.7	920.4	12.6	5068.8
02/12/2019 01:56	5.6	2.2	1024.9	920.4	12.6	5068.8
02/12/2019 02:11	5.6	2.2	1024.6	920.4	12.6	5068.8
02/12/2019 02:26	5.6	2.1	1024.8	920.3	12.6	5069.3

02/12/2019 02:41	5.6	2.1	1024.6	920.3	12.6	5069.3
02/12/2019 02:56	5.6	2	1025	920.3	12.6	5069.3
02/12/2019 03:11	5.6	2	1024.8	920.3	12.6	5069.3
02/12/2019 03:26	5.6	2	1024.9	920.3	12.6	5069.3
02/12/2019 03:41	5.6	2	1024.9	920.3	12.6	5069.3
02/12/2019 03:56	5.6	2	1024.8	920.1	12.6	5070.2
02/12/2019 04:11	5.6	1.9	1025	920	12.6	5070.6
02/12/2019 04:26	5.6	1.8	1025	920.1	12.6	5070.2
02/12/2019 04:41	5.6	1.7	1024.8	920	12.6	5070.6
02/12/2019 04:56	5.6	1.7	1025.2	919.9	12.6	5071.1
02/12/2019 05:11	5.6	1.7	1024.9	919.9	12.6	5071.1
02/12/2019 05:26	5.6	1.7	1025.1	919.9	12.6	5071.1
02/12/2019 05:41	5.6	1.6	1025.2	919.9	12.6	5071.1
02/12/2019 05:56	5.6	1.5	1025.4	919.8	12.6	5071.5
02/12/2019 06:11	5.6	1.4	1025.7	919.8	12.6	5071.5
02/12/2019 06:26	5.6	1.3	1025.5	919.8	12.6	5071.5
02/12/2019 06:41	5.6	1.1	1026	919.8	12.6	5071.5
02/12/2019 06:56	5.6	1	1025.7	919.8	12.6	5071.5
02/12/2019 07:11	5.6	1	1025.6	919.8	12.6	5071.5
02/12/2019 07:26	5.6	1.2	1025.5	919.8	12.6	5072
02/12/2019 07:41	5.6	1.3	1025.8	919.8	12.6	5071.5
02/12/2019 07:56	5.6	1.4	1026.2	919.8	12.6	5071.5
02/12/2019 08:11	5.6	1.4	1026.4	919.8	12.6	5071.5
02/12/2019 08:26	5.6	1.5	1026.1	919.8	12.6	5071.5
02/12/2019 08:41	5.6	2.4	1026.3	919.8	12.6	5071.5
02/12/2019 08:56	5.6	3.8	1026.4	919.8	12.6	5071.5
02/12/2019 09:11	5.6	5.5	1026.4	919.8	12.6	5071.5
02/12/2019 09:26	5.6	7.1	1026.4	919.9	12.6	5071.1
02/12/2019 09:41	5.5	8.6	1026.5	919.9	12.6	5071.1
02/12/2019 09:56	5.5	9.6	1026.4	920	12.6	5070.6
02/12/2019 10:11	5.5	10.5	1026.8	920	12.6	5070.6
02/12/2019 10:26	5.5	11.3	1026.8	920.1	12.6	5070.2
02/12/2019 10:41	5.5	12	1026.9	920.1	12.6	5070.2
02/12/2019 10:56	5.5	12.6	1026.7	920.1	12.6	5070.2
02/12/2019 11:11	5.5	13.1	1026.7	920.1	12.6	5070.2
02/12/2019 11:26	5.5	13.4	1026.7	920.2	12.6	5069.7
02/12/2019 11:41	5.5	13.7	1026.4	920.3	12.6	5069.3
02/12/2019 11:56	5.5	14.3	1026.6	920.3	12.6	5069.3
02/12/2019 12:11	5.5	14.7	1026	920.3	12.6	5069.3
02/12/2019 12:26	5.5	15	1026.2	920.3	12.6	5069.3
02/12/2019 12:41	5.5	15.3	1026.4	920.3	12.6	5069.3
02/12/2019 12:56	5.5	15.2	1026.1	920.4	12.6	5068.8
02/12/2019 13:11	5.5	15.3	1026.1	920.4	12.6	5068.8
02/12/2019 13:26	5.5	15.6	1026.4	920.5	12.6	5068.4
02/12/2019 13:41	5.5	15.8	1025.9	920.5	12.6	5068.4
02/12/2019 13:56	5.5	15.5	1026.2	920.5	12.6	5068.4
02/12/2019 14:11	5.5	14.9	1026.4	920.5	12.6	5068.4
02/12/2019 14:26	5.5	14.3	1026.6	920.5	12.6	5068.4
02/12/2019 14:41	5.5	13.6	1026.1	920.5	12.6	5068.4
02/12/2019 14:56	5.5	12.9	1026.3	920.5	12.6	5068.4

02/12/2019 15:11	5.5	12.2	1026.3	920.5	12.6	5068.4
02/12/2019 15:26	5.5	10.6	1026.3	920.5	12.6	5068.4
02/12/2019 15:41	5.6	8.8	1026.2	920.5	12.6	5068.4
02/12/2019 15:56	5.6	7.3	1026.2	920.4	12.6	5068.8
02/12/2019 16:11	5.6	6.1	1026.1	920.3	12.6	5069.3
02/12/2019 16:26	5.6	5.1	1026.4	920.3	12.6	5069.3
02/12/2019 16:41	5.6	4.4	1026.4	920.3	12.6	5069.3
02/12/2019 16:56	5.6	3.8	1026.7	920.1	12.6	5070.2
02/12/2019 17:11	5.6	3.3	1026.4	920.1	12.6	5070.2
02/12/2019 17:26	5.6	2.9	1026.5	920.1	12.6	5070.2
02/12/2019 17:41	5.6	2.6	1026.7	920.1	12.6	5070.2
02/12/2019 17:56	5.6	2.4	1027.1	920.1	12.6	5070.2
02/12/2019 18:11	5.6	2.2	1027	920.1	12.6	5070.2
02/12/2019 18:26	5.6	2	1027	919.9	12.6	5071.1
02/12/2019 18:41	5.6	1.8	1027	920	12.6	5070.6
02/12/2019 18:56	5.6	1.6	1027.2	919.9	12.6	5071.1
02/12/2019 19:11	5.6	1.4	1027.2	919.9	12.6	5071.1
02/12/2019 19:26	5.6	1.2	1027.3	919.9	12.6	5071.1
02/12/2019 19:41	5.6	1	1027.3	919.9	12.6	5071.1
02/12/2019 19:56	5.6	0.9	1027.2	919.9	12.6	5071.1
02/12/2019 20:11	5.6	0.9	1027.1	919.9	12.6	5071.1
02/12/2019 20:26	5.6	0.8	1026.9	919.9	12.6	5071.1
02/12/2019 20:41	5.6	0.8	1027	919.9	12.6	5071.1
02/12/2019 20:56	5.6	0.7	1027	919.9	12.6	5071.1
02/12/2019 21:11	5.6	0.6	1027.3	920	12.6	5070.6
02/12/2019 21:26	5.6	0.5	1027.2	920.1	12.6	5070.2
02/12/2019 21:41	5.6	0.4	1026.9	920	12.6	5070.6
02/12/2019 21:56	5.6	0.5	1027.2	920.1	12.6	5070.2
02/12/2019 22:11	5.6	0.6	1027.1	920.1	12.6	5070.2
02/12/2019 22:26	5.6	0.8	1027.1	920.2	12.6	5069.7
02/12/2019 22:41	5.6	0.8	1027.1	920.2	12.6	5069.7
02/12/2019 22:56	5.6	0.8	1027.3	920.2	12.6	5069.7
02/12/2019 23:11	5.6	0.7	1027.3	920.2	12.6	5069.7
02/12/2019 23:26	5.6	0.6	1027.3	920.3	12.6	5069.3
02/12/2019 23:41	5.6	0.6	1027.4	920.3	12.6	5069.3
02/12/2019 23:56	5.6	0.6	1027.1	920.3	12.6	5069.3
03/12/2019 00:11	5.6	0.6	1027.2	920.3	12.6	5069.3
03/12/2019 00:26	5.6	0.5	1027	920.3	12.6	5069.3
03/12/2019 00:41	5.6	0.5	1026.8	920.4	12.6	5068.8
03/12/2019 00:56	5.6	0.5	1026.8	920.4	12.6	5068.8
03/12/2019 01:11	5.6	0.5	1026.6	920.4	12.6	5068.8
03/12/2019 01:26	5.6	0.5	1026.5	920.4	12.6	5068.8
03/12/2019 01:41	5.6	0.5	1026.7	920.4	12.6	5068.8
03/12/2019 01:56	5.6	0.5	1026.7	920.4	12.6	5068.8
03/12/2019 02:11	5.6	0.5	1026.3	920.4	12.6	5068.8
03/12/2019 02:26	5.6	0.5	1026.2	920.4	12.6	5068.8
03/12/2019 02:41	5.6	0.6	1026.1	920.3	12.6	5069.3
03/12/2019 02:56	5.6	0.6	1026.1	920.3	12.6	5069.3
03/12/2019 03:11	5.6	0.5	1026	920.3	12.6	5069.3
03/12/2019 03:26	5.6	0.5	1025.7	920.3	12.6	5069.3

03/12/2019 03:41	5.6	0.4	1025.7	920.2	12.6	5069.7
03/12/2019 03:56	5.6	0.4	1025.7	920.2	12.6	5069.7
03/12/2019 04:11	5.6	0.4	1025.3	920.1	12.6	5070.2
03/12/2019 04:26	5.6	0.4	1025.5	920.1	12.6	5070.2
03/12/2019 04:41	5.6	0.6	1025.2	920.1	12.6	5070.2
03/12/2019 04:56	5.6	0.9	1025.4	920	12.6	5070.6
03/12/2019 05:11	5.6	1	1025.5	919.9	12.6	5071.1
03/12/2019 05:26	5.6	0.9	1025.3	919.9	12.6	5071.1
03/12/2019 05:41	5.6	0.8	1025.3	919.9	12.6	5071.1
03/12/2019 05:56	5.6	0.6	1025.2	919.8	12.6	5071.5
03/12/2019 06:11	5.6	0.5	1025.5	919.8	12.6	5071.5
03/12/2019 06:26	5.6	0.3	1025.3	919.8	12.6	5071.5
03/12/2019 06:41	5.6	0.3	1025.3	919.8	12.6	5072
03/12/2019 06:56	5.6	0.4	1025.2	919.8	12.6	5071.5
03/12/2019 07:11	5.6	0.6	1025.5	919.8	12.6	5072
03/12/2019 07:26	5.6	0.6	1025.7	919.8	12.6	5072
03/12/2019 07:41	5.6	0.7	1025.5	919.8	12.6	5072
03/12/2019 07:56	5.6	1	1025.3	919.8	12.6	5072
03/12/2019 08:11	5.6	1.4	1025.3	919.8	12.6	5072
03/12/2019 08:26	5.6	1.9	1024.9	919.8	12.6	5072
03/12/2019 08:41	5.6	2.8	1025.2	919.8	12.6	5072
03/12/2019 08:56	5.6	4.2	1025	919.8	12.6	5072
03/12/2019 09:11	5.6	4.9	1025	919.8	12.6	5071.5
03/12/2019 09:26	5.6	5.8	1024.7	919.8	12.6	5072
03/12/2019 09:41	5.6	6.8	1024.8	919.8	12.6	5072
03/12/2019 09:56	5.6	7.7	1025.1	919.8	12.6	5072
03/12/2019 10:11	5.6	8.8	1024.7	919.8	12.6	5071.5
03/12/2019 10:26	5.6	9.1	1024.5	919.8	12.6	5072
03/12/2019 10:41	5.6	9.4	1024.1	919.8	12.6	5071.5
03/12/2019 10:56	5.6	9.1	1024.3	919.8	12.6	5072
03/12/2019 11:11	5.5	9.8	1023.9	919.8	12.6	5071.5
03/12/2019 11:26	5.5	11.9	1023.5	919.8	12.6	5071.5
03/12/2019 11:41	5.5	13.7	1023.3	919.9	12.6	5071.1
03/12/2019 11:56	5.5	15.2	1022.8	919.9	12.6	5071.1
03/12/2019 12:11	5.5	16	1022.9	919.9	12.6	5071.1
03/12/2019 12:26	5.5	16.3	1022.8	919.9	12.6	5071.1
03/12/2019 12:41	5.5	16.5	1022.5	920	12.6	5070.6
03/12/2019 12:56	5.5	15.2	1022.5	920	12.6	5070.6
03/12/2019 13:11	5.5	14.6	1022.4	920	12.6	5070.6
03/12/2019 13:26	5.5	15.9	1022.2	920	12.6	5070.6
03/12/2019 13:41	5.5	16.7	1022	920.1	12.6	5070.2
03/12/2019 13:56	5.5	16.6	1021.9	920.1	12.6	5070.2
03/12/2019 14:11	5.5	15.8	1021.6	920.1	12.6	5070.2
03/12/2019 14:26	5.5	15.5	1021.7	920.2	12.6	5069.7
03/12/2019 14:41	5.5	15.3	1021.7	920.2	12.6	5069.7
03/12/2019 14:56	5.5	14.2	1022.2	920.3	12.6	5069.3
03/12/2019 15:11	5.5	12.6	1021.7	920.3	12.6	5069.3
03/12/2019 15:26	5.5	11.4	1021.8	920.3	12.6	5069.3
03/12/2019 15:41	5.5	10	1022	920.3	12.6	5069.3
03/12/2019 15:56	5.5	9	1021.5	920.3	12.6	5069.3

03/12/2019 16:11	5.6	8.1	1021.4	920.3	12.6	5069.3
03/12/2019 16:26	5.6	7.3	1021.6	920.2	12.6	5069.7
03/12/2019 16:41	5.6	6.7	1021.8	920.1	12.6	5070.2
03/12/2019 16:56	5.6	6.2	1021.5	920.2	12.6	5069.7
03/12/2019 17:11	5.6	5.8	1021.4	920.1	12.6	5070.2
03/12/2019 17:26	5.6	5.6	1021.7	920	12.6	5070.6
03/12/2019 17:41	5.6	5.3	1021.4	920	12.6	5070.6
03/12/2019 17:56	5.6	5	1021.4	920	12.6	5070.6
03/12/2019 18:11	5.6	4.9	1021.4	919.9	12.6	5071.1
03/12/2019 18:26	5.6	4.6	1021.6	919.9	12.6	5071.1
03/12/2019 18:41	5.6	4.4	1021.4	919.9	12.6	5071.1
03/12/2019 18:56	5.6	4.3	1021.7	919.9	12.6	5071.1
03/12/2019 19:11	5.6	4.1	1021.4	919.9	12.6	5071.1
03/12/2019 19:26	5.6	3.9	1021.5	919.9	12.6	5071.1
03/12/2019 19:41	5.6	3.7	1021.6	919.8	12.6	5071.5
03/12/2019 19:56	5.6	3.5	1021.4	919.8	12.6	5072
03/12/2019 20:11	5.6	3.2	1021.3	919.8	12.6	5071.5
03/12/2019 20:26	5.6	2.9	1021.2	919.8	12.6	5071.5
03/12/2019 20:41	5.6	3	1021.2	919.8	12.6	5072
03/12/2019 20:56	5.6	3.3	1021.2	919.8	12.6	5071.5
03/12/2019 21:11	5.6	3.6	1021	919.8	12.6	5071.5
03/12/2019 21:26	5.6	3.7	1021	919.8	12.6	5071.5
03/12/2019 21:41	5.6	3.5	1020.5	919.8	12.6	5072
03/12/2019 21:56	5.6	3.4	1020.6	919.8	12.6	5071.5
03/12/2019 22:11	5.6	3.3	1020.3	919.8	12.6	5071.5
03/12/2019 22:26	5.6	3.2	1020.5	919.8	12.6	5071.5
03/12/2019 22:41	5.6	3.3	1020.4	919.9	12.6	5071.1
03/12/2019 22:56	5.6	3.2	1020.3	919.9	12.6	5071.1
03/12/2019 23:11	5.6	3.1	1020.7	919.9	12.6	5071.1
03/12/2019 23:26	5.6	3	1020.5	919.9	12.6	5071.1
03/12/2019 23:41	5.6	2.9	1020.5	919.9	12.6	5071.1
03/12/2019 23:56	5.6	2.8	1020.2	919.9	12.6	5071.1
04/12/2019 00:11	5.6	2.8	1020.4	919.9	12.6	5071.1
04/12/2019 00:26	5.6	2.8	1020.2	920	12.6	5070.6
04/12/2019 00:41	5.6	2.7	1019.7	920	12.6	5070.6
04/12/2019 00:56	5.6	2.6	1019.6	920	12.6	5070.6
04/12/2019 01:11	5.6	2.5	1019.8	920	12.6	5070.6
04/12/2019 01:26	5.6	2.5	1019.8	920.1	12.6	5070.2
04/12/2019 01:41	5.6	2.4	1019.9	920.1	12.6	5070.2
04/12/2019 01:56	5.6	2.1	1019.6	920.1	12.6	5070.2
04/12/2019 02:11	5.6	2	1019.5	920.1	12.6	5070.2
04/12/2019 02:26	5.6	1.7	1019.3	920.1	12.6	5070.2
04/12/2019 02:41	5.6	1.3	1019.5	920.1	12.6	5070.2
04/12/2019 02:56	5.6	0.9	1019.2	920.1	12.6	5070.2
04/12/2019 03:11	5.6	0.4	1019	920.1	12.6	5070.2
04/12/2019 03:26	5.6	0.1	1019.1	920	12.6	5070.6
04/12/2019 03:41	5.6	-0.1	1019.3	920.1	12.6	5070.2
04/12/2019 03:56	5.6	-0.3	1018.9	920	12.6	5070.6
04/12/2019 04:11	5.6	-0.3	1018.9	920	12.6	5070.6
04/12/2019 04:26	5.6	-0.4	1018.9	919.9	12.6	5071.1

04/12/2019 04:41	5.6	-0.6	1018.7	919.9	12.6	5071.1
04/12/2019 04:56	5.6	-0.9	1018.8	919.9	12.6	5071.1
04/12/2019 05:11	5.6	-1.2	1018.8	919.9	12.6	5071.1
04/12/2019 05:26	5.6	-1.4	1018.4	919.8	12.6	5071.5
04/12/2019 05:41	5.6	-1.6	1018.7	919.8	12.6	5071.5
04/12/2019 05:56	5.6	-1.9	1018.5	919.8	12.6	5072
04/12/2019 06:11	5.6	-2	1018.5	919.8	12.6	5072
04/12/2019 06:26	5.6	-2.1	1018.7	919.8	12.6	5072
04/12/2019 06:41	5.6	-2.1	1018.5	919.8	12.6	5072
04/12/2019 06:56	5.6	-2.1	1018.5	919.8	12.6	5072
04/12/2019 07:11	5.6	-2.1	1018.5	919.8	12.6	5072
04/12/2019 07:26	5.6	-2.1	1018.8	919.8	12.6	5072
04/12/2019 07:41	5.6	-2.2	1018.9	919.8	12.6	5072
04/12/2019 07:56	5.6	-2.2	1018.8	919.8	12.6	5072
04/12/2019 08:11	5.6	-2.1	1019.2	919.8	12.6	5072
04/12/2019 08:26	5.6	-1.9	1018.8	919.8	12.6	5072
04/12/2019 08:41	5.6	-0.5	1018.6	919.8	12.6	5072
04/12/2019 08:56	5.6	0.9	1018.8	919.8	12.6	5072
04/12/2019 09:11	5.6	3.1	1018.6	919.8	12.6	5072
04/12/2019 09:26	5.6	5.4	1018.4	919.8	12.6	5072
04/12/2019 09:41	5.5	8	1018.7	919.8	12.6	5072
04/12/2019 09:56	5.5	10.9	1018.5	919.8	12.6	5072
04/12/2019 10:11	5.5	13.3	1018.4	919.7	12.6	5072.4
04/12/2019 10:26	5.5	15.4	1018.4	919.8	12.6	5072
04/12/2019 10:41	5.5	16.7	1018.1	919.8	12.6	5072
04/12/2019 10:56	5.5	17.7	1017.9	919.8	12.6	5072
04/12/2019 11:11	5.5	18.1	1018	919.7	12.6	5072.4
04/12/2019 11:26	5.5	18	1018.2	919.8	12.6	5072
04/12/2019 11:41	5.5	18.3	1017.9	919.8	12.6	5072
04/12/2019 11:56	5.5	18.5	1017.8	919.8	12.6	5072
04/12/2019 12:11	5.5	18.6	1017.7	919.8	12.6	5072
04/12/2019 12:26	5.5	18.2	1017.7	919.8	12.6	5072
04/12/2019 12:41	5.5	18.2	1017.4	919.8	12.6	5072
04/12/2019 12:56	5.5	18.3	1017.1	919.8	12.6	5072
04/12/2019 13:11	5.5	18.5	1017	919.8	12.6	5071.5
04/12/2019 13:26	5.5	18.4	1016.4	919.8	12.6	5071.5
04/12/2019 13:41	5.5	18.2	1016.5	919.8	12.6	5071.5
04/12/2019 13:56	5.5	18.2	1016.6	919.9	12.6	5071.1
04/12/2019 14:11	5.5	18.4	1016.5	919.9	12.6	5071.1
04/12/2019 14:26	5.5	18.1	1016.7	919.8	12.6	5071.5
04/12/2019 14:41	5.5	17.9	1016.8	919.9	12.6	5071.1
04/12/2019 14:56	5.5	17.4	1016.3	919.9	12.6	5071.1
04/12/2019 15:11	5.5	16.4	1016.2	919.9	12.6	5071.1
04/12/2019 15:26	5.5	14.4	1016.4	919.9	12.6	5071.1
04/12/2019 15:41	5.5	12	1016.7	920	12.6	5070.6
04/12/2019 15:56	5.5	9.9	1016.1	920	12.6	5070.6
04/12/2019 16:11	5.5	8	1016.1	919.9	12.6	5071.1
04/12/2019 16:26	5.6	6.4	1016.4	920	12.6	5070.6
04/12/2019 16:41	5.6	5.1	1016.3	920	12.6	5070.6
04/12/2019 16:56	5.6	3.8	1016.7	920	12.6	5070.6

04/12/2019 17:11	5.6	2.9	1016.8	920	12.6	5070.6
04/12/2019 17:26	5.6	2	1016.7	920	12.6	5070.6
04/12/2019 17:41	5.6	1.4	1017.2	919.9	12.6	5071.1
04/12/2019 17:56	5.6	0.7	1017.1	919.9	12.6	5071.1
04/12/2019 18:11	5.6	0.2	1017.4	919.9	12.6	5071.1
04/12/2019 18:26	5.6	-0.1	1017.3	919.8	12.6	5071.5
04/12/2019 18:41	5.6	-0.4	1017.6	919.8	12.6	5071.5
04/12/2019 18:56	5.6	-0.7	1017.8	919.8	12.6	5071.5
04/12/2019 19:11	5.6	-0.8	1017.7	919.8	12.6	5072
04/12/2019 19:26	5.6	-0.9	1017.5	919.8	12.6	5071.5
04/12/2019 19:41	5.6	-1.1	1017.6	919.8	12.6	5072
04/12/2019 19:56	5.6	-1.2	1017.6	919.8	12.6	5072
04/12/2019 20:11	5.6	-1.2	1017.6	919.8	12.6	5072
04/12/2019 20:26	5.6	-1.4	1017.3	919.8	12.6	5072
04/12/2019 20:41	5.6	-1.5	1017.3	919.8	12.6	5072
04/12/2019 20:56	5.6	-1.6	1017	919.8	12.6	5072
04/12/2019 21:11	5.6	-1.7	1017.1	919.8	12.6	5072
04/12/2019 21:26	5.6	-1.6	1017.1	919.8	12.6	5072
04/12/2019 21:41	5.6	-1.7	1017.7	919.8	12.6	5072
04/12/2019 21:56	5.6	-1.7	1017.4	919.8	12.6	5072
04/12/2019 22:11	5.6	-1.8	1017.3	919.8	12.6	5072
04/12/2019 22:26	5.6	-1.9	1016.9	919.8	12.6	5072
04/12/2019 22:41	5.6	-2	1017.3	919.8	12.6	5072
04/12/2019 22:56	5.6	-2	1017.3	919.8	12.6	5072
04/12/2019 23:11	5.6	-2	1017.6	919.8	12.6	5072
04/12/2019 23:26	5.6	-2.1	1017.6	919.8	12.6	5071.5
04/12/2019 23:41	5.6	-2.3	1017.5	919.8	12.6	5072
04/12/2019 23:56	5.6	-2.4	1017.4	919.8	12.6	5072
05/12/2019 00:11	5.6	-2.3	1017.5	919.8	12.6	5071.5
05/12/2019 00:26	5.6	-2.5	1017.5	919.8	12.6	5072
05/12/2019 00:41	5.6	-2.7	1017.5	919.8	12.6	5071.5
05/12/2019 00:56	5.6	-2.7	1017.4	919.8	12.6	5071.5
05/12/2019 01:11	5.6	-2.7	1017.5	919.8	12.6	5071.5
05/12/2019 01:26	5.6	-2.4	1016.9	919.9	12.6	5071.1
05/12/2019 01:41	5.6	-2.1	1017.1	919.9	12.6	5071.1
05/12/2019 01:56	5.6	-1.9	1017.1	919.9	12.6	5071.1
05/12/2019 02:11	5.6	-1.6	1017.3	919.9	12.6	5071.1
05/12/2019 02:26	5.6	-1.5	1017	919.9	12.6	5071.1
05/12/2019 02:41	5.6	-1.4	1016.8	919.9	12.6	5071.1
05/12/2019 02:56	5.6	-1.2	1016.3	920	12.6	5070.6
05/12/2019 03:11	5.6	-1.1	1016.3	920	12.6	5070.6
05/12/2019 03:26	5.6	-1.2	1016.1	920	12.6	5070.6
05/12/2019 03:41	5.6	-1	1016.5	919.9	12.6	5071.1
05/12/2019 03:56	5.6	-0.7	1017.2	920	12.6	5070.6
05/12/2019 04:11	5.6	-0.4	1016.9	920	12.6	5070.6
05/12/2019 04:26	5.6	-0.2	1016.9	920	12.6	5070.6
05/12/2019 04:41	5.6	0	1016.9	920	12.6	5070.6
05/12/2019 04:56	5.6	0.3	1017	920	12.6	5070.6
05/12/2019 05:11	5.6	0.5	1016.9	919.9	12.6	5071.1
05/12/2019 05:26	5.6	0.7	1017	919.9	12.6	5071.1

05/12/2019 05:41	5.6	1.2	1016.7	919.9	12.6	5071.1
05/12/2019 05:56	5.6	1.6	1016.6	919.8	12.6	5071.5
05/12/2019 06:11	5.6	1.8	1016.5	919.8	12.6	5071.5
05/12/2019 06:26	5.6	2.1	1016.2	919.8	12.6	5071.5
05/12/2019 06:41	5.6	2.1	1016.8	919.9	12.6	5071.1
05/12/2019 06:56	5.6	2	1016.6	919.8	12.6	5072
05/12/2019 07:11	5.6	1.8	1016.5	919.8	12.6	5072
05/12/2019 07:26	5.6	1.8	1016.8	919.8	12.6	5071.5
05/12/2019 07:41	5.6	1.8	1016.5	919.8	12.6	5072
05/12/2019 07:56	5.6	1.9	1016.5	919.8	12.6	5072
05/12/2019 08:11	5.6	2	1016.8	919.8	12.6	5072
05/12/2019 08:26	5.6	2.2	1016.7	919.8	12.6	5072
05/12/2019 08:41	5.6	2.5	1016.5	919.8	12.6	5071.5
05/12/2019 08:56	5.6	2.8	1016.2	919.7	12.6	5072.4
05/12/2019 09:11	5.6	3	1016.1	919.8	12.6	5072
05/12/2019 09:26	5.6	3.3	1016.4	919.8	12.6	5072
05/12/2019 09:41	5.6	3.8	1016.1	919.8	12.6	5072
05/12/2019 09:56	5.6	4.7	1016.6	919.7	12.6	5072.4
05/12/2019 10:11	5.6	5.6	1016.4	919.8	12.6	5072
05/12/2019 10:26	5.6	6.4	1016.3	919.8	12.6	5072
05/12/2019 10:41	5.6	6.8	1016.2	919.8	12.6	5072
05/12/2019 10:56	5.6	7.3	1016	919.7	12.6	5072.4
05/12/2019 11:11	5.6	7.5	1015.6	919.8	12.6	5072
05/12/2019 11:26	5.6	7.8	1015.7	919.8	12.6	5072
05/12/2019 11:41	5.6	8.1	1015.6	919.8	12.6	5072
05/12/2019 11:56	5.6	7.8	1015.2	919.8	12.6	5072
05/12/2019 12:11	5.6	6.9	1015.5	919.7	12.6	5072.4
05/12/2019 12:26	5.6	6.5	1015.1	919.8	12.6	5072
05/12/2019 12:41	5.6	6.6	1014.8	919.8	12.6	5072
05/12/2019 12:56	5.6	6.6	1014.6	919.8	12.6	5072
05/12/2019 13:11	5.6	7.3	1014.5	919.8	12.6	5072
05/12/2019 13:26	5.6	7.6	1014	919.8	12.6	5072
05/12/2019 13:41	5.6	7.5	1013.9	919.8	12.6	5072
05/12/2019 13:56	5.6	7.5	1013.4	919.8	12.6	5072
05/12/2019 14:11	5.6	7.5	1013.3	919.8	12.6	5072
05/12/2019 14:26	5.6	7.4	1013.2	919.8	12.6	5072
05/12/2019 14:41	5.6	7.3	1013	919.8	12.6	5072
05/12/2019 14:56	5.6	7.1	1012.8	919.8	12.6	5072
05/12/2019 15:11	5.6	6.9	1012.6	919.8	12.6	5072
05/12/2019 15:26	5.6	6.6	1012.3	919.8	12.6	5072
05/12/2019 15:41	5.6	6.4	1011.7	919.8	12.6	5072
05/12/2019 15:56	5.6	6.3	1011.2	919.8	12.6	5072
05/12/2019 16:11	5.6	6.3	1010.9	919.8	12.6	5072
05/12/2019 16:26	5.6	6.4	1011	919.8	12.6	5072
05/12/2019 16:41	5.6	6.5	1011.2	919.8	12.6	5072
05/12/2019 16:56	5.6	6.7	1010.6	919.8	12.6	5072
05/12/2019 17:11	5.6	6.8	1010.6	919.8	12.6	5072
05/12/2019 17:26	5.6	7.1	1010.5	919.8	12.6	5072
05/12/2019 17:41	5.6	7.3	1010.2	919.8	12.6	5072
05/12/2019 17:56	5.6	7.6	1010.2	919.8	12.6	5071.5

05/12/2019 18:11	5.6	7.8	1009.7	919.8	12.6	5072
05/12/2019 18:26	5.6	8	1010	919.8	12.6	5072
05/12/2019 18:41	5.6	8	1009.5	919.8	12.6	5072
05/12/2019 18:56	5.6	8.1	1009.5	919.8	12.6	5072
05/12/2019 19:11	5.6	8	1009.5	919.8	12.6	5072
05/12/2019 19:26	5.6	8	1009	919.8	12.6	5072
05/12/2019 19:41	5.6	8.2	1008.5	919.8	12.6	5072
05/12/2019 19:56	5.6	8.4	1008.7	919.8	12.6	5072
05/12/2019 20:11	5.6	8.6	1008.8	919.8	12.6	5072
05/12/2019 20:26	5.6	8.7	1008.4	919.8	12.6	5072
05/12/2019 20:41	5.6	8.8	1008.4	919.8	12.6	5072
05/12/2019 20:56	5.6	8.9	1008.1	919.8	12.6	5072
05/12/2019 21:11	5.5	8.9	1008	919.7	12.6	5072.4
05/12/2019 21:26	5.6	8.9	1007.8	919.8	12.6	5072
05/12/2019 21:41	5.5	9	1007.4	919.8	12.6	5072
05/12/2019 21:56	5.5	9	1007.3	919.8	12.6	5072
05/12/2019 22:11	5.5	9.1	1007	919.8	12.6	5072
05/12/2019 22:26	5.5	9.2	1006.9	919.8	12.6	5072
05/12/2019 22:41	5.5	9.2	1007	919.8	12.6	5072
05/12/2019 22:56	5.5	9.3	1006.9	919.7	12.6	5072.4
05/12/2019 23:11	5.5	9.4	1006.5	919.8	12.6	5072
05/12/2019 23:26	5.5	9.6	1006	919.8	12.6	5072
05/12/2019 23:41	5.5	9.6	1005.7	919.8	12.6	5072
05/12/2019 23:56	5.5	9.6	1005.6	919.8	12.6	5072
06/12/2019 00:11	5.5	9.5	1005.7	919.8	12.6	5072
06/12/2019 00:26	5.5	9.6	1005.3	919.7	12.6	5072.4
06/12/2019 00:41	5.5	9.6	1005.3	919.7	12.6	5072.4
06/12/2019 00:56	5.5	9.6	1005.3	919.8	12.6	5072
06/12/2019 01:11	5.5	9.6	1005	919.8	12.6	5072
06/12/2019 01:26	5.5	9.8	1005.4	919.8	12.6	5071.5
06/12/2019 01:41	5.5	9.9	1005.4	919.8	12.6	5072
06/12/2019 01:56	5.5	9.9	1005	919.8	12.6	5072
06/12/2019 02:11	5.5	10	1005	919.8	12.6	5071.5
06/12/2019 02:26	5.5	10.1	1005.1	919.8	12.6	5072
06/12/2019 02:41	5.5	10.1	1004.7	919.8	12.6	5072
06/12/2019 02:56	5.5	10.2	1004.2	919.8	12.6	5072
06/12/2019 03:11	5.5	10.3	1004.2	919.8	12.6	5072
06/12/2019 03:26	5.5	10.5	1004.3	919.8	12.6	5072
06/12/2019 03:41	5.5	10.6	1004	919.8	12.6	5072
06/12/2019 03:56	5.5	10.6	1003.7	919.8	12.6	5072
06/12/2019 04:11	5.5	10.5	1003.7	919.8	12.6	5072
06/12/2019 04:26	5.5	10.4	1003.4	919.8	12.6	5072
06/12/2019 04:41	5.5	10.4	1003.2	919.8	12.6	5072
06/12/2019 04:56	5.5	10.4	1003.5	919.8	12.6	5072
06/12/2019 05:11	5.5	10.5	1003.2	919.8	12.6	5072
06/12/2019 05:26	5.5	10.5	1003	919.7	12.6	5072.4
06/12/2019 05:41	5.5	10.5	1002.8	919.8	12.6	5072
06/12/2019 05:56	5.5	10.6	1002.5	919.8	12.6	5072
06/12/2019 06:11	5.5	10.7	1002.7	919.8	12.6	5072
06/12/2019 06:26	5.5	10.7	1002.3	919.8	12.6	5072

06/12/2019 06:41	5.5	10.8	1002	919.8	12.6	5072
06/12/2019 06:56	5.5	10.9	1002	919.8	12.6	5072
06/12/2019 07:11	5.5	10.8	1001.6	919.8	12.6	5072
06/12/2019 07:26	5.5	10.7	1001.5	919.8	12.6	5072
06/12/2019 07:41	5.5	10.6	1001.6	919.8	12.6	5072
06/12/2019 07:56	5.5	10.6	1001.4	919.8	12.6	5072
06/12/2019 08:11	5.5	10.6	1001.1	919.8	12.6	5072
06/12/2019 08:26	5.5	10.7	1001	919.8	12.6	5072
06/12/2019 08:41	5.5	10.8	1000.8	919.8	12.6	5072
06/12/2019 08:56	5.5	10.8	1000.8	919.8	12.6	5072
06/12/2019 09:11	5.5	10.9	1000.6	919.8	12.6	5072
06/12/2019 09:26	5.5	11	1000.5	919.7	12.6	5072.4
06/12/2019 09:41	5.5	11.1	1000.4	919.7	12.6	5072.4
06/12/2019 09:56	5.5	11.2	1000.3	919.7	12.6	5072.4
06/12/2019 10:11	5.5	11.3	1000.1	919.6	12.6	5072.9
06/12/2019 10:26	5.5	11.4	999.7	919.7	12.6	5072.4
06/12/2019 10:41	5.5	11.6	999.5	919.5	12.6	5073.3
06/12/2019 10:56	5.5	11.8	999	919.6	12.6	5072.9
06/12/2019 11:11	5.5	11.9	998.7	919.6	12.6	5072.9
06/12/2019 11:26	5.5	12.1	998.7	919.5	12.6	5073.3
06/12/2019 11:41	5.5	12.3	998.6	919.6	12.6	5072.9
06/12/2019 11:56	5.5	12.5	998.4	919.5	12.6	5073.3
06/12/2019 12:11	5.5	12.6	997.5	919.4	12.6	5073.8
06/12/2019 12:26	5.5	12.5	997.7	919.5	12.6	5073.3
06/12/2019 12:41	5.5	12.4	997.6	919.4	12.6	5073.8
06/12/2019 12:56	5.5	12.3	997.4	919.5	12.6	5073.3
06/12/2019 13:11	5.5	12.3	996.9	919.6	12.6	5072.9
06/12/2019 13:26	5.5	12.5	996.7	919.5	12.6	5073.3
06/12/2019 13:41	5.5	12.6	996.5	919.4	12.6	5073.8
06/12/2019 13:56	5.5	12.5	996.3	919.5	12.6	5073.3
06/12/2019 14:11	5.5	12.5	996	919.6	12.6	5072.9
06/12/2019 14:26	5.5	12.6	996.2	919.5	12.6	5073.3
06/12/2019 14:41	5.5	12.9	996	919.7	12.6	5072.4
06/12/2019 14:56	5.5	13.1	995.8	919.7	12.6	5072.4
06/12/2019 15:11	5.5	13.1	996.1	919.7	12.6	5072.4
06/12/2019 15:26	5.5	12.9	996.2	919.7	12.6	5072.4
06/12/2019 15:41	5.5	12.7	996.1	919.8	12.6	5072
06/12/2019 15:56	5.5	12.4	996	919.8	12.6	5072
06/12/2019 16:11	5.5	11.9	996	919.8	12.6	5072
06/12/2019 16:26	5.5	11.5	996	919.8	12.6	5072
06/12/2019 16:41	5.5	11.3	996	919.8	12.6	5072
06/12/2019 16:56	5.5	11.3	995.8	919.8	12.6	5072
06/12/2019 17:11	5.5	11.4	995.8	919.8	12.6	5072
06/12/2019 17:26	5.5	11.4	996	919.8	12.6	5072
06/12/2019 17:41	5.5	10.8	997	919.8	12.6	5072
06/12/2019 17:56	5.5	9.9	997	919.8	12.6	5072
06/12/2019 18:11	5.5	9.3	997.4	919.8	12.6	5072
06/12/2019 18:26	5.5	9.1	997.8	919.8	12.6	5072
06/12/2019 18:41	5.5	9	997.9	919.8	12.6	5072
06/12/2019 18:56	5.5	9.1	997.9	919.7	12.6	5072.4

06/12/2019 19:11	5.5	9.1	998.2	919.8	12.6	5072
06/12/2019 19:26	5.5	9.1	998.7	919.8	12.6	5072
06/12/2019 19:41	5.5	9	999	919.8	12.6	5072
06/12/2019 19:56	5.5	8.9	999.1	919.8	12.6	5072
06/12/2019 20:11	5.5	8.8	999.7	919.8	12.6	5072
06/12/2019 20:26	5.5	9	999.8	919.8	12.6	5072
06/12/2019 20:41	5.5	9.1	1000.4	919.8	12.6	5072
06/12/2019 20:56	5.5	9.2	1000.8	919.7	12.6	5072.4
06/12/2019 21:11	5.5	9.3	1001.1	919.8	12.6	5072
06/12/2019 21:26	5.5	9.3	1001.1	919.8	12.6	5072
06/12/2019 21:41	5.5	9.1	1001.7	919.8	12.6	5072
06/12/2019 21:56	5.5	8.9	1001.7	919.8	12.6	5072
06/12/2019 22:11	5.5	8.7	1001.9	919.8	12.6	5072
06/12/2019 22:26	5.5	8.5	1002.1	919.8	12.6	5072
06/12/2019 22:41	5.5	8.3	1002.7	919.8	12.6	5072
06/12/2019 22:56	5.5	8.2	1002.7	919.8	12.6	5071.5
06/12/2019 23:11	5.5	8	1003	919.8	12.6	5072
06/12/2019 23:26	5.5	7.9	1003	919.8	12.6	5072
06/12/2019 23:41	5.5	7.8	1003.4	919.8	12.6	5071.5
06/12/2019 23:56	5.5	7.7	1003.3	919.8	12.6	5072
07/12/2019 00:11	5.6	7.6	1003.5	919.8	12.6	5072
07/12/2019 00:26	5.6	7.5	1003.6	919.8	12.6	5072
07/12/2019 00:41	5.6	7.4	1003.8	919.8	12.6	5072
07/12/2019 00:56	5.6	7.2	1004	919.8	12.6	5072
07/12/2019 01:11	5.6	7.1	1004	919.8	12.6	5072
07/12/2019 01:26	5.6	7.1	1004.7	919.8	12.6	5072
07/12/2019 01:41	5.6	7.1	1004.6	919.8	12.6	5072
07/12/2019 01:56	5.6	7	1005.1	919.8	12.6	5072
07/12/2019 02:11	5.6	6.9	1005.4	919.8	12.6	5072
07/12/2019 02:26	5.6	6.9	1005.8	919.8	12.6	5072
07/12/2019 02:41	5.6	7.1	1005.7	919.8	12.6	5072
07/12/2019 02:56	5.5	7.3	1005.8	919.8	12.6	5072
07/12/2019 03:11	5.5	7.6	1005.8	919.7	12.6	5072.4
07/12/2019 03:26	5.5	7.8	1005.9	919.8	12.6	5072
07/12/2019 03:41	5.5	7.9	1006.2	919.8	12.6	5072
07/12/2019 03:56	5.5	8.1	1006.1	919.8	12.6	5072
07/12/2019 04:11	5.5	8.1	1006.2	919.8	12.6	5072
07/12/2019 04:26	5.5	8.1	1006.6	919.8	12.6	5072
07/12/2019 04:41	5.5	8.1	1006.7	919.8	12.6	5072
07/12/2019 04:56	5.5	8.1	1006.6	919.8	12.6	5072
07/12/2019 05:11	5.5	8.1	1006.7	919.8	12.6	5072
07/12/2019 05:26	5.5	8.1	1007	919.8	12.6	5072
07/12/2019 05:41	5.5	8.1	1007.2	919.8	12.6	5071.5
07/12/2019 05:56	5.5	8.1	1007.2	919.8	12.6	5072
07/12/2019 06:11	5.5	8.1	1007.5	919.8	12.6	5072
07/12/2019 06:26	5.5	8.1	1007.7	919.8	12.6	5072
07/12/2019 06:41	5.5	8.1	1007.9	919.8	12.6	5072
07/12/2019 06:56	5.5	8.2	1008.3	919.8	12.6	5072
07/12/2019 07:11	5.5	8.2	1008.1	919.8	12.6	5071.5
07/12/2019 07:26	5.5	8.3	1008	919.8	12.6	5072

07/12/2019 07:41	5.5	8.2	1008.1	919.8	12.6	5072
07/12/2019 07:56	5.5	8.1	1008.8	919.8	12.6	5072
07/12/2019 08:11	5.5	8	1008.4	919.8	12.6	5072
07/12/2019 08:26	5.5	7.9	1008.8	919.8	12.6	5072
07/12/2019 08:41	5.6	7.8	1008.9	919.8	12.6	5072
07/12/2019 08:56	5.5	7.8	1009.5	919.8	12.6	5072
07/12/2019 09:11	5.5	8.2	1009.1	919.8	12.6	5072
07/12/2019 09:26	5.5	8.9	1009.1	919.8	12.6	5072
07/12/2019 09:41	5.5	9.3	1009.3	919.8	12.6	5072
07/12/2019 09:56	5.5	9.4	1009.4	919.8	12.6	5072
07/12/2019 10:11	5.5	9.6	1009.2	919.8	12.6	5072
07/12/2019 10:26	5.5	9.7	1009.5	919.8	12.6	5072
07/12/2019 10:41	5.5	10.3	1009	919.8	12.6	5072
07/12/2019 10:56	5.5	10.7	1009.5	919.7	12.6	5072.4
07/12/2019 11:11	5.5	11	1009.1	919.8	12.6	5072
07/12/2019 11:26	5.5	10.8	1009.6	919.8	12.6	5072
07/12/2019 11:41	5.5	10.6	1009.4	919.8	12.6	5072
07/12/2019 11:56	5.5	10.6	1009.8	919.7	12.6	5072.4
07/12/2019 12:11	5.5	10.7	1009.5	919.8	12.6	5072
07/12/2019 12:26	5.5	10.7	1009.2	919.8	12.6	5072
07/12/2019 12:41	5.5	10.7	1009.1	919.8	12.6	5072
07/12/2019 12:56	5.5	10.8	1008.9	919.8	12.6	5072
07/12/2019 13:11	5.5	10.8	1008.9	919.8	12.6	5072
07/12/2019 13:26	5.5	10.7	1008.5	919.8	12.6	5072
07/12/2019 13:41	5.5	11	1008.4	919.8	12.6	5072
07/12/2019 13:56	5.5	11.4	1008.3	919.8	12.6	5072
07/12/2019 14:11	5.5	11.5	1008.3	919.8	12.6	5072
07/12/2019 14:26	5.5	11.1	1008.5	919.8	12.6	5072
07/12/2019 14:41	5.5	10.8	1008.6	919.8	12.6	5072
07/12/2019 14:56	5.5	10.5	1008.7	919.8	12.6	5072
07/12/2019 15:11	5.5	10.5	1008.3	919.8	12.6	5072
07/12/2019 15:26	5.5	10.1	1008.5	919.8	12.6	5072
07/12/2019 15:41	5.5	9.6	1008.7	919.8	12.6	5072
07/12/2019 15:56	5.5	9.1	1008.6	919.8	12.6	5072
07/12/2019 16:11	5.5	8.7	1008.6	919.8	12.6	5072
07/12/2019 16:26	5.5	8.5	1008.2	919.8	12.6	5072
07/12/2019 16:41	5.5	8.4	1008.1	919.8	12.6	5072
07/12/2019 16:56	5.5	8.5	1008	919.8	12.6	5072
07/12/2019 17:11	5.5	8.5	1007.9	919.8	12.6	5072
07/12/2019 17:26	5.5	8.6	1007.9	919.8	12.6	5072
07/12/2019 17:41	5.5	8.7	1007.5	919.8	12.6	5072
07/12/2019 17:56	5.5	8.7	1007.6	919.8	12.6	5072
07/12/2019 18:11	5.5	8.8	1007.3	919.8	12.6	5072
07/12/2019 18:26	5.5	8.6	1007.5	919.7	12.6	5072.4
07/12/2019 18:41	5.5	8.4	1006.9	919.8	12.6	5072
07/12/2019 18:56	5.5	8.2	1006.9	919.8	12.6	5072
07/12/2019 19:11	5.5	8.1	1006.8	919.8	12.6	5072
07/12/2019 19:26	5.5	7.9	1006.6	919.8	12.6	5072
07/12/2019 19:41	5.5	7.9	1006.5	919.8	12.6	5072
07/12/2019 19:56	5.5	7.9	1006	919.8	12.6	5072

07/12/2019 20:11	5.5	7.9	1005.6	919.8	12.6	5072
07/12/2019 20:26	5.5	7.9	1005.6	919.8	12.6	5072
07/12/2019 20:41	5.5	7.8	1005.1	919.8	12.6	5072
07/12/2019 20:56	5.5	7.8	1004.7	919.8	12.6	5072
07/12/2019 21:11	5.5	7.9	1004.4	919.8	12.6	5072
07/12/2019 21:26	5.5	8	1004	919.8	12.6	5072
07/12/2019 21:41	5.5	8.3	1003.5	919.8	12.6	5072
07/12/2019 21:56	5.5	8.5	1003.8	919.8	12.6	5072
07/12/2019 22:11	5.5	8.8	1003	919.8	12.6	5072
07/12/2019 22:26	5.5	9.1	1002.7	919.8	12.6	5072
07/12/2019 22:41	5.5	9.4	1002.4	919.7	12.6	5072.4
07/12/2019 22:56	5.5	9.6	1002.3	919.6	12.6	5072.9
07/12/2019 23:11	5.5	9.8	1001.6	919.6	12.6	5072.9
07/12/2019 23:26	5.5	10.1	1001.4	919.6	12.6	5072.9
07/12/2019 23:41	5.5	10.2	1001.3	919.6	12.6	5072.9
07/12/2019 23:56	5.5	10.4	1001	919.6	12.6	5072.9
08/12/2019 00:11	5.5	10.4	1000.3	919.5	12.6	5073.3
08/12/2019 00:26	5.5	10.5	999.9	919.3	12.6	5074.2
08/12/2019 00:41	5.5	10.5	999.5	919.3	12.6	5074.2
08/12/2019 00:56	5.5	10.6	999.2	919.3	12.6	5074.2
08/12/2019 01:11	5.5	10.6	998.5	919.2	12.6	5074.7
08/12/2019 01:26	5.5	10.7	998.3	919.2	12.6	5074.7
08/12/2019 01:41	5.5	10.7	998.2	919.2	12.6	5074.7
08/12/2019 01:56	5.5	10.5	997.6	919.1	12.6	5075.1
08/12/2019 02:11	5.5	10.3	997.2	919.1	12.6	5075.1
08/12/2019 02:26	5.5	10.2	996.8	919.1	12.6	5075.1
08/12/2019 02:41	5.5	10.1	996.5	919.1	12.6	5075.1
08/12/2019 02:56	5.5	10	996.1	919.2	12.6	5074.7
08/12/2019 03:11	5.5	10	995.3	919.1	12.6	5075.1
08/12/2019 03:26	5.5	9.9	995.4	919.2	12.6	5074.7
08/12/2019 03:41	5.5	9.8	995.2	919.2	12.6	5074.7
08/12/2019 03:56	5.5	9.8	995	919.3	12.6	5074.2
08/12/2019 04:11	5.5	9.8	994.4	919.2	12.6	5074.7
08/12/2019 04:26	5.5	9.9	994.3	919.3	12.6	5074.2
08/12/2019 04:41	5.5	9.9	994	919.3	12.6	5074.2
08/12/2019 04:56	5.5	9.9	993.5	919.3	12.6	5074.2
08/12/2019 05:11	5.5	10	993.2	919.3	12.6	5074.2
08/12/2019 05:26	5.5	10.3	992.9	919.3	12.6	5074.2
08/12/2019 05:41	5.5	10.5	993.1	919.3	12.6	5074.2
08/12/2019 05:56	5.5	10.5	992.9	919.3	12.6	5074.2
08/12/2019 06:11	5.5	10.6	992.7	919.4	12.6	5073.8
08/12/2019 06:26	5.5	10.7	993	919.4	12.6	5073.8
08/12/2019 06:41	5.5	10.8	992.7	919.5	12.6	5073.3
08/12/2019 06:56	5.5	11	993.2	919.4	12.6	5073.8
08/12/2019 07:11	5.5	11	993.1	919.4	12.6	5073.8
08/12/2019 07:26	5.5	11	993.4	919.4	12.6	5073.8
08/12/2019 07:41	5.5	10.9	993.9	919.6	12.6	5072.9
08/12/2019 07:56	5.5	10.8	994.1	919.5	12.6	5073.3
08/12/2019 08:11	5.5	10.7	994.1	919.6	12.6	5072.9
08/12/2019 08:26	5.5	10.5	994.5	919.6	12.6	5072.9

08/12/2019 08:41	5.5	10.2	994.5	919.5	12.6	5073.3
08/12/2019 08:56	5.5	10	994.9	919.5	12.6	5073.3
08/12/2019 09:11	5.5	9.7	994.8	919.8	12.6	5072
08/12/2019 09:26	5.5	9.3	995.2	919.8	12.6	5072
08/12/2019 09:41	5.5	9.8	995.6	919.8	12.6	5072
08/12/2019 09:56	5.5	11.2	995.8	919.5	12.6	5073.3
08/12/2019 10:11	5.5	11.9	995.5	919.8	12.6	5072
08/12/2019 10:26	5.5	11.9	995.5	919.5	12.6	5073.3
08/12/2019 10:41	5.5	11.7	995.4	919.4	12.6	5073.8
08/12/2019 10:56	5.5	12	995.4	919.4	12.6	5073.8
08/12/2019 11:11	5.5	12.6	995.2	919.4	12.6	5073.8
08/12/2019 11:26	5.5	13.3	994.7	919.3	12.6	5074.2
08/12/2019 11:41	5.5	13.5	994.9	919.3	12.6	5074.2
08/12/2019 11:56	5.5	13.3	994.6	919.2	12.6	5074.7
08/12/2019 12:11	5.5	13.7	994.3	919.4	12.6	5073.8
08/12/2019 12:26	5.5	13.3	994.7	919.3	12.6	5074.2
08/12/2019 12:41	5.5	13.2	994.2	919.2	12.6	5074.7
08/12/2019 12:56	5.5	13	994.3	919.2	12.6	5074.7
08/12/2019 13:11	5.5	12.9	994.1	919.2	12.6	5074.7
08/12/2019 13:26	5.5	12.8	993.8	919.1	12.6	5075.1
08/12/2019 13:41	5.5	12.3	993.4	919.1	12.6	5075.1
08/12/2019 13:56	5.5	12.7	993.6	919.3	12.6	5074.2
08/12/2019 14:11	5.5	12.7	993.5	919.3	12.6	5074.2
08/12/2019 14:26	5.5	12.4	993.1	919.3	12.6	5074.2
08/12/2019 14:41	5.5	11.6	993.2	919.3	12.6	5074.2
08/12/2019 14:56	5.5	10.9	992.9	919.3	12.6	5074.2
08/12/2019 15:11	5.5	10.4	993.2	919.3	12.6	5074.2
08/12/2019 15:26	5.5	9.9	992.9	919.4	12.6	5073.8
08/12/2019 15:41	5.5	9.6	993	919.4	12.6	5073.8
08/12/2019 15:56	5.5	9.3	992.7	919.5	12.6	5073.3
08/12/2019 16:11	5.5	9	992.5	919.6	12.6	5072.9
08/12/2019 16:26	5.5	8.9	992.1	919.6	12.6	5072.9
08/12/2019 16:41	5.5	8.8	992.3	919.6	12.6	5072.9
08/12/2019 16:56	5.5	8.7	992.2	919.6	12.6	5072.9
08/12/2019 17:11	5.5	8.6	992.1	919.7	12.6	5072.4
08/12/2019 17:26	5.5	8.4	992.1	919.7	12.6	5072.4
08/12/2019 17:41	5.5	8.1	992	919.8	12.6	5072
08/12/2019 17:56	5.5	7.9	991.9	919.8	12.6	5072
08/12/2019 18:11	5.5	7.7	991.7	919.8	12.6	5072
08/12/2019 18:26	5.5	7.4	991.6	919.8	12.6	5072
08/12/2019 18:41	5.5	7.2	991.4	919.8	12.6	5072
08/12/2019 18:56	5.5	7.1	991.3	919.8	12.6	5072
08/12/2019 19:11	5.5	6.9	991.2	919.8	12.6	5072
08/12/2019 19:26	5.5	6.8	991.2	919.8	12.6	5072
08/12/2019 19:41	5.5	6.7	991	919.8	12.6	5072
08/12/2019 19:56	5.5	6.7	991	919.8	12.6	5072
08/12/2019 20:11	5.5	6.7	990.7	919.8	12.6	5072
08/12/2019 20:26	5.5	6.6	990.8	919.8	12.6	5072
08/12/2019 20:41	5.6	6.5	990.1	919.7	12.6	5072.4
08/12/2019 20:56	5.6	6.5	989.9	919.7	12.6	5072.4

08/12/2019 21:11	5.6	6.4	989.9	919.8	12.6	5072
08/12/2019 21:26	5.6	6.4	989.9	919.8	12.6	5072
08/12/2019 21:41	5.6	6.3	989.7	919.8	12.6	5072
08/12/2019 21:56	5.6	6.3	989.5	919.7	12.6	5072.4
08/12/2019 22:11	5.6	6.2	989.3	919.6	12.6	5072.9
08/12/2019 22:26	5.6	6.1	988.9	919.6	12.6	5072.9
08/12/2019 22:41	5.6	6.1	988.9	919.6	12.6	5072.9
08/12/2019 22:56	5.6	5.9	988.5	919.5	12.6	5073.3
08/12/2019 23:11	5.6	5.9	988.3	919.5	12.6	5073.3
08/12/2019 23:26	5.6	5.8	988.1	919.5	12.6	5073.3
08/12/2019 23:41	5.6	5.8	987.9	919.2	12.6	5074.7
08/12/2019 23:56	5.6	5.8	987.9	919.2	12.6	5074.7
09/12/2019 00:11	5.6	5.7	987.8	919.2	12.6	5074.7
09/12/2019 00:26	5.6	5.6	987.9	919.1	12.6	5075.1
09/12/2019 00:41	5.6	5.4	987.8	919.1	12.6	5075.1
09/12/2019 00:56	5.6	5.3	987.8	919	12.6	5075.6
09/12/2019 01:11	5.6	5.2	987.3	919	12.6	5075.6
09/12/2019 01:26	5.6	5.2	987.1	918.9	12.6	5076
09/12/2019 01:41	5.6	5.1	987.3	918.9	12.6	5076
09/12/2019 01:56	5.6	5	987	919	12.6	5075.6
09/12/2019 02:11	5.6	4.9	987.1	918.9	12.6	5076
09/12/2019 02:26	5.6	4.6	986.8	919	12.6	5075.6
09/12/2019 02:41	5.6	4.2	987.1	919.1	12.6	5075.1
09/12/2019 02:56	5.6	3.8	987.1	919	12.6	5075.6
09/12/2019 03:11	5.6	4	987.3	919.1	12.6	5075.1
09/12/2019 03:26	5.6	4.3	987.4	919.3	12.6	5074.2
09/12/2019 03:41	5.6	4.7	987.7	919.3	12.6	5074.2
09/12/2019 03:56	5.6	4.8	988	919.3	12.6	5074.2
09/12/2019 04:11	5.6	4.8	988.4	919.5	12.6	5073.3
09/12/2019 04:26	5.6	4.9	988.5	919.5	12.6	5073.3
09/12/2019 04:41	5.6	5	988.7	919.5	12.6	5073.3
09/12/2019 04:56	5.6	5.2	989.1	919.6	12.6	5072.9
09/12/2019 05:11	5.6	5.5	989.4	919.7	12.6	5072.4
09/12/2019 05:26	5.6	5.8	989.9	919.7	12.6	5072.4
09/12/2019 05:41	5.6	5.9	990.4	919.8	12.6	5072
09/12/2019 05:56	5.6	5.9	990.8	919.8	12.6	5072
09/12/2019 06:11	5.6	5.8	991.5	919.8	12.6	5072
09/12/2019 06:26	5.6	5.8	991.4	919.8	12.6	5072
09/12/2019 06:41	5.6	5.7	991.9	919.8	12.6	5072
09/12/2019 06:56	5.6	5.9	992.5	919.8	12.6	5072
09/12/2019 07:11	5.6	6.1	993	919.8	12.6	5072
09/12/2019 07:26	5.6	6.3	993.6	919.8	12.6	5072
09/12/2019 07:41	5.6	6.4	993.7	919.7	12.6	5072.4
09/12/2019 07:56	5.6	6.5	994.3	919.8	12.6	5072
09/12/2019 08:11	5.5	6.8	995	919.8	12.6	5072
09/12/2019 08:26	5.5	6.8	995.8	919.8	12.6	5072
09/12/2019 08:41	5.6	6.7	996.2	919.8	12.6	5072
09/12/2019 08:56	5.5	6.8	996.7	919.8	12.6	5072
09/12/2019 09:11	5.5	7.1	997.3	919.8	12.6	5072
09/12/2019 09:26	5.5	7.4	997.9	919.8	12.6	5072

09/12/2019 09:41	5.5	7.8	998.7	919.8	12.6	5072
09/12/2019 09:56	5.5	8	999.3	919.8	12.6	5072
09/12/2019 10:11	5.5	9.4	999.9	919.8	12.6	5072
09/12/2019 10:26	5.5	8.4	1000.4	919.8	12.6	5072
09/12/2019 10:41	5.5	8.3	1001.3	919.8	12.6	5072
09/12/2019 10:56	5.5	8.2	1001.7	919.8	12.6	5072
09/12/2019 11:11	5.5	8.3	1001.9	919.7	12.6	5072.4
09/12/2019 11:26	5.5	8.2	1002.9	919.8	12.6	5072
09/12/2019 11:41	5.5	7.8	1003.5	919.8	12.6	5072
09/12/2019 11:56	5.5	7.8	1004.2	919.7	12.6	5072.4
09/12/2019 12:11	5.5	9	1004.3	919.8	12.6	5072
09/12/2019 12:26	5.5	9.8	1004.8	919.8	12.6	5072
09/12/2019 12:41	5.5	10.3	1005.4	919.7	12.6	5072.4
09/12/2019 12:56	5.5	10.4	1006.5	919.8	12.6	5072
09/12/2019 13:11	5.5	9.6	1006.9	919.8	12.6	5072
09/12/2019 13:26	5.5	9	1007.2	919.8	12.6	5072
09/12/2019 13:41	5.5	8.9	1007.8	919.8	12.6	5072
09/12/2019 13:56	5.5	9.4	1008.5	919.8	12.6	5072
09/12/2019 14:11	5.5	9.5	1009	919.7	12.6	5072.4
09/12/2019 14:26	5.5	9.4	1009.3	919.8	12.6	5072
09/12/2019 14:41	5.5	9.1	1010.1	919.8	12.6	5072
09/12/2019 14:56	5.5	8.7	1010.7	919.8	12.6	5072
09/12/2019 15:11	5.5	8.2	1011.2	919.8	12.6	5072
09/12/2019 15:26	5.5	7.2	1012	919.8	12.6	5072
09/12/2019 15:41	5.5	6.5	1012.5	919.8	12.6	5072
09/12/2019 15:56	5.5	6.1	1012.5	919.8	12.6	5072
09/12/2019 16:11	5.5	6	1013.2	919.8	12.6	5072
09/12/2019 16:26	5.5	5.8	1013.5	919.8	12.6	5072
09/12/2019 16:41	5.5	5.8	1014	919.8	12.6	5072
09/12/2019 16:56	5.5	5.7	1014.4	919.8	12.6	5071.5
09/12/2019 17:11	5.5	5.5	1014.7	919.8	12.6	5071.5
09/12/2019 17:26	5.6	5.3	1015	919.9	12.6	5071.1
09/12/2019 17:41	5.6	5.1	1015.6	919.9	12.6	5071.1
09/12/2019 17:56	5.6	5	1015.4	919.9	12.6	5071.1
09/12/2019 18:11	5.6	4.9	1016.3	920	12.6	5070.6
09/12/2019 18:26	5.6	4.7	1016.4	920	12.6	5070.6
09/12/2019 18:41	5.6	4.6	1016.9	920.1	12.6	5070.2
09/12/2019 18:56	5.6	4.4	1017.3	920	12.6	5070.6
09/12/2019 19:11	5.6	4.2	1017.9	920.1	12.6	5070.2
09/12/2019 19:26	5.6	4.1	1018.2	920.2	12.6	5069.7
09/12/2019 19:41	5.6	3.9	1017.9	920.1	12.6	5070.2
09/12/2019 19:56	5.6	3.8	1018.9	920.1	12.6	5070.2
09/12/2019 20:11	5.6	3.7	1019.3	920.2	12.6	5069.7
09/12/2019 20:26	5.6	3.6	1019	920.1	12.6	5070.2
09/12/2019 20:41	5.6	3.4	1019.5	920.2	12.6	5069.7
09/12/2019 20:56	5.6	3.2	1019.7	920.1	12.6	5070.2
09/12/2019 21:11	5.6	3.1	1019.9	920.1	12.6	5070.2
09/12/2019 21:26	5.6	2.9	1020.2	920.1	12.6	5070.2
09/12/2019 21:41	5.6	2.7	1020.4	920.1	12.6	5070.2
09/12/2019 21:56	5.6	2.4	1020.4	920	12.6	5070.6

09/12/2019 22:11	5.6	2.1	1020.4	920	12.6	5070.6
09/12/2019 22:26	5.6	1.8	1020.6	920	12.6	5070.6
09/12/2019 22:41	5.6	1.6	1020.4	919.9	12.6	5071.1
09/12/2019 22:56	5.6	1.3	1020.7	919.9	12.6	5071.1
09/12/2019 23:11	5.6	1	1020.9	919.9	12.6	5071.1
09/12/2019 23:26	5.6	0.8	1021.2	919.8	12.6	5071.5
09/12/2019 23:41	5.6	0.6	1021	919.8	12.6	5072
09/12/2019 23:56	5.6	0.4	1021.2	919.8	12.6	5072
10/12/2019 00:11	5.6	0.2	1020.9	919.8	12.6	5072
10/12/2019 00:26	5.6	0.1	1021	919.8	12.6	5072
10/12/2019 00:41	5.6	-0.1	1020.8	919.7	12.6	5072.4
10/12/2019 00:56	5.6	-0.4	1020.8	919.7	12.6	5072.4
10/12/2019 01:11	5.6	-0.6	1020.9	919.7	12.6	5072.4
10/12/2019 01:26	5.6	-0.9	1021.1	919.8	12.6	5072
10/12/2019 01:41	5.6	-1.1	1021	919.8	12.6	5072
10/12/2019 01:56	5.6	-1.1	1021.2	919.8	12.6	5072
10/12/2019 02:11	5.6	-1.1	1021.2	919.8	12.6	5072
10/12/2019 02:26	5.6	-1	1020.9	919.8	12.6	5072
10/12/2019 02:41	5.6	-1	1020.9	919.8	12.6	5072
10/12/2019 02:56	5.6	-1.1	1020.9	919.8	12.6	5072
10/12/2019 03:11	5.6	-1.2	1020.7	919.7	12.6	5072.4
10/12/2019 03:26	5.6	-1.2	1020.6	919.8	12.6	5072
10/12/2019 03:41	5.6	-1.3	1020.8	919.8	12.6	5072
10/12/2019 03:56	5.6	-1.3	1020.8	919.8	12.6	5072
10/12/2019 04:11	5.6	-1	1020.3	919.8	12.6	5072
10/12/2019 04:26	5.6	-0.7	1020.3	919.7	12.6	5072.4
10/12/2019 04:41	5.6	-0.2	1020	919.8	12.6	5072
10/12/2019 04:56	5.6	0.3	1019.9	919.8	12.6	5072
10/12/2019 05:11	5.6	0.7	1019.2	919.8	12.6	5072
10/12/2019 05:26	5.6	1.2	1019.1	919.8	12.6	5072
10/12/2019 05:41	5.6	1.5	1018.7	919.8	12.6	5072
10/12/2019 05:56	5.6	1.8	1018.5	919.8	12.6	5072
10/12/2019 06:11	5.6	2.1	1018.4	919.8	12.6	5072
10/12/2019 06:26	5.6	2.5	1018.2	919.8	12.6	5072
10/12/2019 06:41	5.6	2.9	1017.6	919.7	12.6	5072.4
10/12/2019 06:56	5.6	3.4	1017.4	919.8	12.6	5072
10/12/2019 07:11	5.6	3.8	1017.3	919.8	12.6	5072
10/12/2019 07:26	5.6	4.3	1017.4	919.8	12.6	5072
10/12/2019 07:41	5.6	4.7	1016.8	919.8	12.6	5072
10/12/2019 07:56	5.6	5.1	1016.8	919.8	12.6	5072
10/12/2019 08:11	5.6	5.5	1016.3	919.7	12.6	5072.4
10/12/2019 08:26	5.6	6.1	1016	919.8	12.6	5072
10/12/2019 08:41	5.5	6.6	1015.5	919.8	12.6	5072
10/12/2019 08:56	5.5	7.2	1015.2	919.7	12.6	5072.4
10/12/2019 09:11	5.5	7.6	1015.4	919.8	12.6	5072
10/12/2019 09:26	5.5	7.9	1015	919.8	12.6	5072
10/12/2019 09:41	5.5	8.1	1014.8	919.8	12.6	5072
10/12/2019 09:56	5.5	8.4	1014.4	919.7	12.6	5072.4
10/12/2019 10:11	5.5	8.5	1013.7	919.8	12.6	5072
10/12/2019 10:26	5.5	8.7	1013.2	919.7	12.6	5072.4

10/12/2019 10:41	5.5	8.9	1012.8	919.8	12.6	5072
10/12/2019 10:56	5.5	9.2	1012.4	919.8	12.6	5072
10/12/2019 11:11	5.5	9.3	1011.4	919.8	12.6	5072
10/12/2019 11:26	5.5	9.2	1011.3	919.8	12.6	5072
10/12/2019 11:41	5.5	9.1	1010.9	919.8	12.6	5072
10/12/2019 11:56	5.5	9.3	1010.2	919.8	12.6	5072
10/12/2019 12:11	5.5	9.4	1010.1	919.7	12.6	5072.4
10/12/2019 12:26	5.5	9.1	1010	919.6	12.6	5072.9
10/12/2019 12:41	5.5	8.9	1009.2	919.6	12.6	5072.9
10/12/2019 12:56	5.5	8.7	1008.8	919.5	12.6	5073.3
10/12/2019 13:11	5.5	8.6	1008.6	919.5	12.6	5073.3
10/12/2019 13:26	5.5	8.6	1008.2	919.4	12.6	5073.8
10/12/2019 13:41	5.5	8.6	1007.9	919.3	12.6	5074.2
10/12/2019 13:56	5.5	8.6	1007.3	919.3	12.6	5074.2
10/12/2019 14:11	5.5	8.7	1006.8	919.2	12.6	5074.7
10/12/2019 14:26	5.5	8.7	1006.9	919.2	12.6	5074.7
10/12/2019 14:41	5.5	8.8	1006.4	919	12.6	5075.6
10/12/2019 14:56	5.5	8.9	1006	919.1	12.6	5075.1
10/12/2019 15:11	5.5	9	1005.6	918.9	12.6	5076
10/12/2019 15:26	5.5	9	1005.3	918.9	12.6	5076
10/12/2019 15:41	5.5	9	1004.9	919	12.6	5075.6
10/12/2019 15:56	5.5	8.9	1004.4	919.1	12.6	5075.1
10/12/2019 16:11	5.5	9	1004.4	918.9	12.6	5076
10/12/2019 16:26	5.5	9.1	1004	918.9	12.6	5076
10/12/2019 16:41	5.5	9.2	1003.3	918.9	12.6	5076
10/12/2019 16:56	5.5	9.2	1003.2	918.9	12.6	5076
10/12/2019 17:11	5.5	9.2	1002.6	918.7	12.6	5076.9
10/12/2019 17:26	5.5	9.1	1002.3	918.8	12.6	5076.5
10/12/2019 17:41	5.5	9.1	1001.8	918.9	12.6	5076
10/12/2019 17:56	5.5	9.2	1001.8	918.8	12.6	5076.5
10/12/2019 18:11	5.5	9.4	1001.5	918.9	12.6	5076
10/12/2019 18:26	5.5	9.5	1001	918.9	12.6	5076
10/12/2019 18:41	5.5	9.7	1001.2	918.9	12.6	5076
10/12/2019 18:56	5.5	9.8	1000.9	918.9	12.6	5076
10/12/2019 19:11	5.5	9.8	1000.7	918.9	12.6	5076
10/12/2019 19:26	5.5	9.8	1000.5	919	12.6	5075.6
10/12/2019 19:41	5.5	9.8	1000.4	919.1	12.6	5075.1
10/12/2019 19:56	5.5	9.8	1000.1	919.2	12.6	5074.7
10/12/2019 20:11	5.5	9.8	1000.2	919.3	12.6	5074.2
10/12/2019 20:26	5.5	9.9	1000	919.2	12.6	5074.7
10/12/2019 20:41	5.5	10	1000.2	919.3	12.6	5074.2
10/12/2019 20:56	5.5	10	999.7	919.2	12.6	5074.7
10/12/2019 21:11	5.5	10	1000	919.4	12.6	5073.8
10/12/2019 21:26	5.5	9.9	1000	919.4	12.6	5073.8
10/12/2019 21:41	5.5	9.9	1000.4	919.3	12.6	5074.2
10/12/2019 21:56	5.5	9.9	1001	919.4	12.6	5073.8
10/12/2019 22:11	5.5	9.8	1001.1	919.4	12.6	5073.8
10/12/2019 22:26	5.5	9.6	1001.7	919.4	12.6	5073.8
10/12/2019 22:41	5.5	9.4	1001.5	919.5	12.6	5073.3
10/12/2019 22:56	5.5	9	1002.3	919.4	12.6	5073.8

10/12/2019 23:11	5.5	8.7	1002.4	919.5	12.6	5073.3
10/12/2019 23:26	5.5	8.6	1002.2	919.3	12.6	5074.2
10/12/2019 23:41	5.5	8.4	1002.5	919.4	12.6	5073.8
10/12/2019 23:56	5.5	8.4	1002.5	919.4	12.6	5073.8
11/12/2019 00:11	5.5	8.4	1002.6	919.3	12.6	5074.2
11/12/2019 00:26	5.5	8.3	1003.1	919.3	12.6	5074.2
11/12/2019 00:41	5.5	8.1	1003.3	919.4	12.6	5073.8
11/12/2019 00:56	5.5	7.8	1003.3	919.4	12.6	5073.8
11/12/2019 01:11	5.5	7.6	1003.6	919.3	12.6	5074.2
11/12/2019 01:26	5.5	7.5	1003.6	919.3	12.6	5074.2
11/12/2019 01:41	5.5	7.2	1003.9	919.3	12.6	5074.2
11/12/2019 01:56	5.5	7.1	1003.7	919.4	12.6	5073.8
11/12/2019 02:11	5.5	6.9	1003.8	919.5	12.6	5073.3
11/12/2019 02:26	5.5	6.7	1003.8	919.5	12.6	5073.3
11/12/2019 02:41	5.5	6.3	1004.3	919.5	12.6	5073.3
11/12/2019 02:56	5.5	6.1	1003.9	919.6	12.6	5072.9
11/12/2019 03:11	5.5	5.8	1004.2	919.7	12.6	5072.4
11/12/2019 03:26	5.5	5.6	1004	919.7	12.6	5072.4
11/12/2019 03:41	5.6	5.3	1003.8	919.8	12.6	5072
11/12/2019 03:56	5.6	5.1	1004.1	919.8	12.6	5072
11/12/2019 04:11	5.6	4.8	1004.2	919.7	12.6	5072.4
11/12/2019 04:26	5.6	4.5	1004	919.8	12.6	5072
11/12/2019 04:41	5.6	4.2	1004.1	919.8	12.6	5072
11/12/2019 04:56	5.6	4	1003.9	919.8	12.6	5072
11/12/2019 05:11	5.6	3.8	1004.2	919.7	12.6	5072.4
11/12/2019 05:26	5.6	3.6	1004.1	919.7	12.6	5072.4
11/12/2019 05:41	5.6	3.5	1003.9	919.8	12.6	5072
11/12/2019 05:56	5.6	3.5	1003.8	919.8	12.6	5072
11/12/2019 06:11	5.6	3.5	1003.8	919.7	12.6	5072.4
11/12/2019 06:26	5.6	3.5	1003.9	919.8	12.6	5072
11/12/2019 06:41	5.6	3.4	1003.7	919.8	12.6	5072
11/12/2019 06:56	5.6	3.3	1003.5	919.8	12.6	5072
11/12/2019 07:11	5.6	3.2	1003.6	919.8	12.6	5072
11/12/2019 07:26	5.6	3.1	1003.6	919.8	12.6	5072
11/12/2019 07:41	5.6	3	1003.4	919.8	12.6	5072
11/12/2019 07:56	5.6	2.8	1003.5	919.8	12.6	5072
11/12/2019 08:11	5.6	2.7	1003.7	919.8	12.6	5071.5
11/12/2019 08:26	5.6	2.7	1003.2	919.8	12.6	5072
11/12/2019 08:41	5.6	2.9	1003.4	919.8	12.6	5072
11/12/2019 08:56	5.6	4	1003.4	919.8	12.6	5071.5
11/12/2019 09:11	5.5	5.4	1003.2	919.8	12.6	5072
11/12/2019 09:26	5.5	6	1003	919.8	12.6	5071.5
11/12/2019 09:41	5.5	6.1	1002.8	919.8	12.6	5072
11/12/2019 09:56	5.5	6.3	1002.7	919.8	12.6	5072
11/12/2019 10:11	5.5	6.6	1002.5	919.8	12.6	5072
11/12/2019 10:26	5.5	6.5	1002.5	919.8	12.6	5072
11/12/2019 10:41	5.5	6.7	1001.9	919.8	12.6	5072
11/12/2019 10:56	5.5	7.1	1001.9	919.8	12.6	5072
11/12/2019 11:11	5.5	8.3	1001.5	919.8	12.6	5072
11/12/2019 11:26	5.5	9.7	1001.5	919.8	12.6	5072

11/12/2019 11:41	5.5	11.2	1000.8	919.8	12.6	5072
11/12/2019 11:56	5.5	12	1000.9	919.7	12.6	5072.4
11/12/2019 12:11	5.5	12.6	1000.4	919.8	12.6	5072
11/12/2019 12:26	5.5	13.1	1000.1	919.8	12.6	5072
11/12/2019 12:41	5.5	13.2	999.8	919.8	12.6	5072
11/12/2019 12:56	5.5	13.4	999.6	919.8	12.6	5072
11/12/2019 13:11	5.5	13.1	999.3	919.7	12.6	5072.4
11/12/2019 13:26	5.5	12.9	998.9	919.7	12.6	5072.4
11/12/2019 13:41	5.5	12.6	999	919.7	12.6	5072.4
11/12/2019 13:56	5.5	12.5	998.7	919.8	12.6	5072
11/12/2019 14:11	5.5	12.2	998	919.6	12.6	5072.9
11/12/2019 14:26	5.5	11.8	998	919.6	12.6	5072.9
11/12/2019 14:41	5.5	11.4	998.2	919.5	12.6	5073.3
11/12/2019 14:56	5.5	10.9	998.1	919.6	12.6	5072.9
11/12/2019 15:11	5.5	9.8	997.9	919.6	12.6	5072.9
11/12/2019 15:26	5.5	8.8	998	919.5	12.6	5073.3
11/12/2019 15:41	5.5	8.1	998.2	919.4	12.6	5073.8
11/12/2019 15:56	5.5	7.5	997.7	919.5	12.6	5073.3
11/12/2019 16:11	5.5	7.1	997.7	919.4	12.6	5073.8
11/12/2019 16:26	5.5	6.8	997.7	919.5	12.6	5073.3
11/12/2019 16:41	5.5	6.7	997.3	919.6	12.6	5072.9
11/12/2019 16:56	5.5	6.6	997.3	919.5	12.6	5073.3
11/12/2019 17:11	5.5	6.6	997.3	919.6	12.6	5072.9
11/12/2019 17:26	5.5	6.7	997.2	919.6	12.6	5072.9
11/12/2019 17:41	5.5	6.8	997.4	919.6	12.6	5072.9
11/12/2019 17:56	5.5	6.8	997	919.7	12.6	5072.4
11/12/2019 18:11	5.5	6.7	997.4	919.7	12.6	5072.4
11/12/2019 18:26	5.5	6.4	997.3	919.8	12.6	5072
11/12/2019 18:41	5.5	6.2	997.3	919.8	12.6	5072
11/12/2019 18:56	5.5	6	997.1	919.7	12.6	5072.4
11/12/2019 19:11	5.5	5.7	997.4	919.8	12.6	5071.5
11/12/2019 19:26	5.5	5.4	997.3	919.8	12.6	5072
11/12/2019 19:41	5.5	5.3	997.5	919.8	12.6	5072
11/12/2019 19:56	5.5	5.3	997.2	919.8	12.6	5072
11/12/2019 20:11	5.5	5.3	997.3	919.8	12.6	5072
11/12/2019 20:26	5.5	5.2	997.5	919.8	12.6	5072
11/12/2019 20:41	5.5	5.4	997.8	919.8	12.6	5072
11/12/2019 20:56	5.5	5.4	997.7	919.8	12.6	5072
11/12/2019 21:11	5.5	5.2	998.1	919.8	12.6	5072
11/12/2019 21:26	5.5	5	998.1	919.8	12.6	5072
11/12/2019 21:41	5.6	4.7	998.4	919.8	12.6	5072
11/12/2019 21:56	5.6	4.4	998.2	919.8	12.6	5072
11/12/2019 22:11	5.6	4.1	998.1	919.8	12.6	5072
11/12/2019 22:26	5.6	3.8	998.1	919.7	12.6	5072.4
11/12/2019 22:41	5.6	3.4	998.3	919.8	12.6	5072
11/12/2019 22:56	5.6	3.1	998.5	919.8	12.6	5072
11/12/2019 23:11	5.6	2.9	998.4	919.8	12.6	5072
11/12/2019 23:26	5.6	2.6	998.5	919.8	12.6	5072
11/12/2019 23:41	5.6	2.4	998.6	919.8	12.6	5072
11/12/2019 23:56	5.6	2.1	998.7	919.8	12.6	5072

12/12/2019 00:11	5.6	1.9	998.7	919.8	12.6	5072
12/12/2019 00:26	5.6	1.7	998.5	919.8	12.6	5072
12/12/2019 00:41	5.6	1.6	998.5	919.7	12.6	5072.4
12/12/2019 00:56	5.6	1.5	998.3	919.7	12.6	5072.4
12/12/2019 01:11	5.6	1.4	998.3	919.6	12.6	5072.9
12/12/2019 01:26	5.6	1.3	998.6	919.6	12.6	5072.9
12/12/2019 01:41	5.6	1.3	998.1	919.5	12.6	5073.3
12/12/2019 01:56	5.6	1.3	998.2	919.6	12.6	5072.9
12/12/2019 02:11	5.6	1.2	998.3	919.6	12.6	5072.9
12/12/2019 02:26	5.6	1.2	998.3	919.4	12.6	5073.8
12/12/2019 02:41	5.6	1	998.3	919.4	12.6	5073.8
12/12/2019 02:56	5.6	1	998.2	919.3	12.6	5074.2
12/12/2019 03:11	5.6	0.9	998.3	919.3	12.6	5074.2
12/12/2019 03:26	5.6	0.8	998.4	919.4	12.6	5073.8
12/12/2019 03:41	5.6	0.8	997.6	919.3	12.6	5074.2
12/12/2019 03:56	5.6	0.7	997.6	919.3	12.6	5074.2
12/12/2019 04:11	5.6	0.6	997.6	919.3	12.6	5074.2
12/12/2019 04:26	5.6	0.5	997.5	919.4	12.6	5073.8
12/12/2019 04:41	5.6	0.4	997.6	919.4	12.6	5073.8
12/12/2019 04:56	5.6	0.2	997.1	919.5	12.6	5073.3
12/12/2019 05:11	5.6	0.2	997	919.4	12.6	5073.8
12/12/2019 05:26	5.6	0.1	996.9	919.6	12.6	5072.9
12/12/2019 05:41	5.6	-0.1	996.7	919.7	12.6	5072.4
12/12/2019 05:56	5.6	-0.1	996.7	919.6	12.6	5072.9
12/12/2019 06:11	5.6	0.1	996.3	919.7	12.6	5072.4
12/12/2019 06:26	5.6	0.1	995.9	919.7	12.6	5072.4
12/12/2019 06:41	5.6	0.2	995.9	919.8	12.6	5072
12/12/2019 06:56	5.6	0.3	995.7	919.8	12.6	5072
12/12/2019 07:11	5.6	0.5	995.4	919.7	12.6	5072.4
12/12/2019 07:26	5.6	0.7	995.3	919.8	12.6	5072
12/12/2019 07:41	5.6	0.7	995	919.8	12.6	5072
12/12/2019 07:56	5.6	0.7	994.9	919.8	12.6	5072
12/12/2019 08:11	5.6	0.9	994.6	919.8	12.6	5072
12/12/2019 08:26	5.6	1.4	994.1	919.8	12.6	5072
12/12/2019 08:41	5.6	2	993.9	919.8	12.6	5072
12/12/2019 08:56	5.6	2.8	993.2	919.8	12.6	5072
12/12/2019 09:11	5.6	3.6	993.3	919.8	12.6	5072
12/12/2019 09:26	5.6	4.3	992.7	919.8	12.6	5072
12/12/2019 09:41	5.5	5.1	992.4	919.8	12.6	5072
12/12/2019 09:56	5.5	6.1	992.1	919.7	12.6	5072.4
12/12/2019 10:11	5.5	7	991.4	919.7	12.6	5072.4
12/12/2019 10:26	5.5	7.7	991.1	919.8	12.6	5072
12/12/2019 10:41	5.5	8.3	990.6	919.8	12.6	5072
12/12/2019 10:56	5.5	8.5	990.4	919.7	12.6	5072.4
12/12/2019 11:11	5.5	8.3	989.5	919.8	12.6	5072
12/12/2019 11:26	5.5	8.3	989.2	919.7	12.6	5072.4
12/12/2019 11:41	5.5	8.1	988.7	919.6	12.6	5072.9
12/12/2019 11:56	5.5	8	988.1	919.5	12.6	5073.3
12/12/2019 12:11	5.5	7.9	987.4	919.5	12.6	5073.3
12/12/2019 12:26	5.5	7.7	987	919.4	12.6	5073.8

12/12/2019 12:41	5.5	7.6	986.7	919.1	12.6	5075.1
12/12/2019 12:56	5.5	7.5	985.7	919	12.6	5075.6
12/12/2019 13:11	5.5	7.3	985.4	918.9	12.6	5076
12/12/2019 13:26	5.5	7.2	985	918.8	12.6	5076.5
12/12/2019 13:41	5.5	7.2	984.3	918.7	12.6	5076.9
12/12/2019 13:56	5.5	7.1	984	918.5	12.6	5077.8
12/12/2019 14:11	5.5	7.2	983.6	918.5	12.6	5077.8
12/12/2019 14:26	5.5	7.3	982.8	918.5	12.6	5077.8
12/12/2019 14:41	5.5	7.4	982.4	918.4	12.6	5078.3
12/12/2019 14:56	5.5	7.5	981.9	918.3	12.6	5078.7
12/12/2019 15:11	5.5	7.6	981.9	918.3	12.6	5078.7
12/12/2019 15:26	5.5	7.7	981	918.3	12.6	5079.2
12/12/2019 15:41	5.5	7.7	980.7	918.3	12.6	5078.7
12/12/2019 15:56	5.5	7.8	980.6	918.3	12.6	5079.2
12/12/2019 16:11	5.5	7.7	980.1	918.3	12.6	5079.2
12/12/2019 16:26	5.5	7.7	979.5	918.3	12.6	5078.7
12/12/2019 16:41	5.5	7.6	979.1	918.3	12.6	5078.7
12/12/2019 16:56	5.5	7.6	978.8	918.3	12.6	5078.7
12/12/2019 17:11	5.5	7.6	978.4	918.3	12.6	5078.7
12/12/2019 17:26	5.5	7.5	978.2	918.3	12.6	5079.2
12/12/2019 17:41	5.5	7.5	977.7	918.4	12.6	5078.3
12/12/2019 17:56	5.5	7.5	977.2	918.3	12.6	5078.7
12/12/2019 18:11	5.5	7.5	976.8	918.3	12.6	5078.7
12/12/2019 18:26	5.5	7.5	976.1	918.3	12.6	5079.2
12/12/2019 18:41	5.5	7.6	975.7	918.3	12.6	5079.2
12/12/2019 18:56	5.5	7.6	975.2	918.3	12.6	5079.2
12/12/2019 19:11	5.5	7.6	974.6	918.3	12.6	5078.7
12/12/2019 19:26	5.5	7.6	974.1	918.3	12.6	5078.7
12/12/2019 19:41	5.5	7.6	973.7	918.3	12.6	5078.7
12/12/2019 19:56	5.5	7.5	973.1	918.3	12.6	5078.7
12/12/2019 20:11	5.5	7.4	972.5	918.3	12.6	5078.7
12/12/2019 20:26	5.5	7.5	971.8	918.3	12.6	5078.7
12/12/2019 20:41	5.5	7.5	971.5	918.3	12.6	5078.7
12/12/2019 20:56	5.5	7.7	971	918.3	12.6	5078.7
12/12/2019 21:11	5.5	7.8	970.5	918.4	12.6	5078.3
12/12/2019 21:26	5.5	7.9	970.3	918.3	12.6	5078.7
12/12/2019 21:41	5.5	7.8	970	918.3	12.6	5078.7
12/12/2019 21:56	5.5	7.7	970	918.3	12.6	5078.7
12/12/2019 22:11	5.5	7.7	970	918.3	12.6	5078.7
12/12/2019 22:26	5.5	7.4	969.8	918.4	12.6	5078.3
12/12/2019 22:41	5.5	7.2	970.2	918.3	12.6	5078.7
12/12/2019 22:56	5.5	7	969.9	918.3	12.6	5078.7
12/12/2019 23:11	5.5	6.9	969.5	918.3	12.6	5078.7
12/12/2019 23:26	5.5	6.9	969.1	918.3	12.6	5078.7
12/12/2019 23:41	5.5	7	969	918.3	12.6	5078.7
12/12/2019 23:56	5.5	7.1	968.8	918.3	12.6	5079.2
13/12/2019 00:11	5.5	7.2	968.7	918.3	12.6	5079.2
13/12/2019 00:26	5.5	7.2	968.3	918.3	12.6	5078.7
13/12/2019 00:41	5.5	7.3	968	918.3	12.6	5079.2
13/12/2019 00:56	5.5	7.3	967.7	918.3	12.6	5078.7

13/12/2019 01:11	5.5	7.3	967.7	918.5	12.6	5077.8
13/12/2019 01:26	5.5	7.3	967.5	918.5	12.6	5077.8
13/12/2019 01:41	5.5	7.2	967.4	918.5	12.6	5077.8
13/12/2019 01:56	5.5	7.2	967.7	918.6	12.6	5077.4
13/12/2019 02:11	5.5	7.1	967.3	918.3	12.6	5078.7
13/12/2019 02:26	5.5	7	966.9	918.4	12.6	5078.3
13/12/2019 02:41	5.5	6.9	967	918.3	12.6	5078.7
13/12/2019 02:56	5.5	6.7	966.9	918.2	12.6	5079.6
13/12/2019 03:11	5.5	6.5	967	918.2	12.6	5079.6
13/12/2019 03:26	5.5	6.2	966.6	917.8	12.6	5081.4
13/12/2019 03:41	5.5	5.9	966.9	917.8	12.6	5081.4
13/12/2019 03:56	5.5	5.8	966.6	917.6	12.6	5082.3
13/12/2019 04:11	5.5	5.7	967	917.7	12.6	5081.9
13/12/2019 04:26	5.5	5.7	967	917.6	12.6	5082.3
13/12/2019 04:41	5.5	5.9	967	917.7	12.6	5081.9
13/12/2019 04:56	5.5	6	967	918	12.6	5080.5
13/12/2019 05:11	5.5	6.1	967.1	918.3	12.6	5078.7
13/12/2019 05:26	5.5	6.2	967.5	918.3	12.6	5078.7
13/12/2019 05:41	5.5	6.3	968	918.4	12.6	5078.3
13/12/2019 05:56	5.5	6.5	967.9	918.3	12.6	5078.7
13/12/2019 06:11	5.5	6.6	968.5	918.3	12.6	5078.7
13/12/2019 06:26	5.5	6.7	968.5	918.3	12.6	5078.7
13/12/2019 06:41	5.5	6.7	968.8	918.3	12.6	5078.7
13/12/2019 06:56	5.5	6.8	969.2	918.3	12.6	5078.7
13/12/2019 07:11	5.5	6.9	969.4	918.3	12.6	5078.7
13/12/2019 07:26	5.5	6.9	970	918.3	12.6	5078.7
13/12/2019 07:41	5.5	6.9	970.7	918.3	12.6	5078.7
13/12/2019 07:56	5.5	6.8	970.8	918.4	12.6	5078.3
13/12/2019 08:11	5.5	6.8	971.3	918.4	12.6	5078.3
13/12/2019 08:26	5.5	6.7	971.6	918.5	12.6	5077.8
13/12/2019 08:41	5.5	6.7	972.2	918.5	12.6	5077.8
13/12/2019 08:56	5.5	6.7	972.4	918.6	12.6	5077.4
13/12/2019 09:11	5.5	6.7	972.8	918.7	12.6	5076.9
13/12/2019 09:26	5.5	6.8	972.8	918.8	12.6	5076.5
13/12/2019 09:41	5.5	6.8	973.6	918.9	12.6	5076
13/12/2019 09:56	5.5	7	973.8	918.9	12.6	5076
13/12/2019 10:11	5.5	7.2	974.2	919	12.6	5075.6
13/12/2019 10:26	5.5	7.4	974.6	919.2	12.6	5074.7
13/12/2019 10:41	5.5	7.6	974.7	919.1	12.6	5075.1
13/12/2019 10:56	5.5	7.9	974.9	919.1	12.6	5075.1
13/12/2019 11:11	5.5	8.4	974.9	919.2	12.6	5074.7
13/12/2019 11:26	5.5	9	975.4	919.1	12.6	5075.1
13/12/2019 11:41	5.5	9.2	975.4	919.1	12.6	5075.1
13/12/2019 11:56	5.5	9.4	975.4	919.1	12.6	5075.1
13/12/2019 12:11	5.5	9.1	975.9	918.9	12.6	5076
13/12/2019 12:26	5.5	9.1	975.8	918.9	12.6	5076
13/12/2019 12:41	5.5	9.9	975.7	918.7	12.6	5076.9
13/12/2019 12:56	5.5	9.8	976.3	918.7	12.6	5076.9
13/12/2019 13:11	5.5	9.5	976.4	918.7	12.6	5076.9
13/12/2019 13:26	5.5	9.6	976.8	918.7	12.6	5076.9

13/12/2019 13:41	5.5	9.8	977.4	918.5	12.6	5077.8
13/12/2019 13:56	5.5	9.9	976.7	918.5	12.6	5077.8
13/12/2019 14:11	5.5	9.6	977.2	918.5	12.6	5077.8
13/12/2019 14:26	5.5	9.6	977.4	918.4	12.6	5078.3
13/12/2019 14:41	5.5	9.2	977.9	918.4	12.6	5078.3
13/12/2019 14:56	5.5	8.8	977.9	918.3	12.6	5078.7
13/12/2019 15:11	5.5	8.6	977.8	918.4	12.6	5078.3
13/12/2019 15:26	5.5	8.4	977.7	918.3	12.6	5078.7
13/12/2019 15:41	5.5	8.1	978.4	918.3	12.6	5079.2
13/12/2019 15:56	5.5	7.8	978.4	918.3	12.6	5078.7
13/12/2019 16:11	5.5	7.7	978.6	918.3	12.6	5078.7
13/12/2019 16:26	5.5	7.6	978.7	918.4	12.6	5078.3
13/12/2019 16:41	5.5	7.5	978.8	918.3	12.6	5079.2
13/12/2019 16:56	5.5	7.5	978.9	918.3	12.6	5078.7
13/12/2019 17:11	5.5	7.4	978.9	918.3	12.6	5078.7
13/12/2019 17:26	5.5	7.6	978.5	918.3	12.6	5078.7
13/12/2019 17:41	5.5	7.6	978.6	918.3	12.6	5078.7
13/12/2019 17:56	5.5	7.4	978.5	918.3	12.6	5079.2
13/12/2019 18:11	5.5	7.1	978.6	918.4	12.6	5078.3
13/12/2019 18:26	5.5	6.8	978.5	918.4	12.6	5078.3
13/12/2019 18:41	5.5	6.5	979.2	918.3	12.6	5078.7
13/12/2019 18:56	5.5	6.4	978.9	918.4	12.6	5078.3
13/12/2019 19:11	5.5	6.2	978.4	918.6	12.6	5077.4
13/12/2019 19:26	5.5	6.1	978.9	918.5	12.6	5077.8
13/12/2019 19:41	5.5	6	978.5	918.6	12.6	5077.4
13/12/2019 19:56	5.5	5.9	978.5	918.5	12.6	5077.8
13/12/2019 20:11	5.5	5.8	978.2	918.7	12.6	5076.9
13/12/2019 20:26	5.5	5.8	977.3	918.7	12.6	5076.9
13/12/2019 20:41	5.5	5.9	977.7	918.7	12.6	5076.9
13/12/2019 20:56	5.5	5.9	977.5	918.7	12.6	5076.9
13/12/2019 21:11	5.5	5.9	977.3	918.8	12.6	5076.5
13/12/2019 21:26	5.5	5.9	977.9	918.9	12.6	5076
13/12/2019 21:41	5.5	5.9	977.8	918.9	12.6	5076
13/12/2019 21:56	5.5	5.9	978.1	918.9	12.6	5076
13/12/2019 22:11	5.5	6	977.8	919	12.6	5075.6
13/12/2019 22:26	5.5	6.1	977.5	918.9	12.6	5076
13/12/2019 22:41	5.5	6	977.5	918.9	12.6	5076
13/12/2019 22:56	5.5	6	977.3	919	12.6	5075.6
13/12/2019 23:11	5.5	5.8	977.4	918.9	12.6	5076
13/12/2019 23:26	5.5	5.8	977.3	919	12.6	5075.6
13/12/2019 23:41	5.5	5.8	977.2	918.9	12.6	5076
13/12/2019 23:56	5.5	5.8	976.9	918.9	12.6	5076
14/12/2019 00:11	5.5	5.8	976.9	918.8	12.6	5076.5
14/12/2019 00:26	5.5	5.8	977.2	918.7	12.6	5076.9
14/12/2019 00:41	5.5	5.8	977.1	918.7	12.6	5076.9
14/12/2019 00:56	5.5	5.8	977	918.6	12.6	5077.4
14/12/2019 01:11	5.5	5.7	976.7	918.5	12.6	5077.8
14/12/2019 01:26	5.5	5.5	976.8	918.5	12.6	5077.8
14/12/2019 01:41	5.5	5.4	977.1	918.4	12.6	5078.3
14/12/2019 01:56	5.5	5.4	977.2	918.4	12.6	5078.3

14/12/2019 02:11	5.5	5.4	977.5	918.5	12.6	5077.8
14/12/2019 02:26	5.5	5.4	977.7	918.3	12.6	5078.7
14/12/2019 02:41	5.5	5.2	978.5	918.4	12.6	5078.3
14/12/2019 02:56	5.5	5.1	978.7	918.3	12.6	5078.7
14/12/2019 03:11	5.5	4.9	978.7	918.3	12.6	5078.7
14/12/2019 03:26	5.5	4.8	978.6	918.3	12.6	5078.7
14/12/2019 03:41	5.5	4.8	979.2	918.3	12.6	5078.7
14/12/2019 03:56	5.5	4.8	979.3	918.3	12.6	5079.2
14/12/2019 04:11	5.5	4.7	979.2	918.3	12.6	5078.7
14/12/2019 04:26	5.5	4.6	979.8	918.3	12.6	5078.7
14/12/2019 04:41	5.5	4.5	979.9	918.3	12.6	5078.7
14/12/2019 04:56	5.5	4.5	979.7	918.3	12.6	5079.2
14/12/2019 05:11	5.5	4.6	980.6	918.3	12.6	5078.7
14/12/2019 05:26	5.5	4.7	980.3	918.3	12.6	5078.7
14/12/2019 05:41	5.5	4.8	980.9	918.3	12.6	5078.7
14/12/2019 05:56	5.5	5.1	981.2	918.3	12.6	5078.7
14/12/2019 06:11	5.5	5.2	981.6	918.3	12.6	5078.7
14/12/2019 06:26	5.5	5.3	981.7	918.4	12.6	5078.3
14/12/2019 06:41	5.5	5.3	981.8	918.4	12.6	5078.3
14/12/2019 06:56	5.5	5.2	982.5	918.5	12.6	5077.8
14/12/2019 07:11	5.5	5.1	982.7	918.5	12.6	5077.8
14/12/2019 07:26	5.5	5	983	918.7	12.6	5076.9
14/12/2019 07:41	5.5	4.9	983.3	918.7	12.6	5076.9
14/12/2019 07:56	5.5	4.8	983.6	918.8	12.6	5076.5
14/12/2019 08:11	5.5	4.8	983.8	918.9	12.6	5076
14/12/2019 08:26	5.5	4.9	984	919	12.6	5075.6
14/12/2019 08:41	5.5	5.1	984.1	919	12.6	5075.6
14/12/2019 08:56	5.5	5.7	984.2	919.1	12.6	5075.1
14/12/2019 09:11	5.5	6.4	984.4	919.3	12.6	5074.2
14/12/2019 09:26	5.5	6.3	984.5	919.3	12.6	5074.2
14/12/2019 09:41	5.5	6.3	984.8	919.4	12.6	5073.8
14/12/2019 09:56	5.5	6.4	984.7	919.4	12.6	5073.8
14/12/2019 10:11	5.5	6.5	984.8	919.6	12.6	5072.9
14/12/2019 10:26	5.5	6.7	984.8	919.6	12.6	5072.9
14/12/2019 10:41	5.5	6.8	984.8	919.6	12.6	5072.9
14/12/2019 10:56	5.5	6.9	984.6	919.6	12.6	5072.9
14/12/2019 11:11	5.5	7.1	984.8	919.6	12.6	5072.9
14/12/2019 11:26	5.5	7.2	984.9	919.6	12.6	5072.9
14/12/2019 11:41	5.5	7.1	984.8	919.5	12.6	5073.3
14/12/2019 11:56	5.5	6.6	985	919.6	12.6	5072.9
14/12/2019 12:11	5.5	6.1	985.2	919.5	12.6	5073.3
14/12/2019 12:26	5.5	5.7	985.7	919.6	12.6	5072.9
14/12/2019 12:41	5.5	5.6	985.5	919.6	12.6	5072.9
14/12/2019 12:56	5.5	5.5	985.7	919.5	12.6	5073.3
14/12/2019 13:11	5.5	5.7	986.2	919.4	12.6	5073.8
14/12/2019 13:26	5.5	5.8	986.5	919.3	12.6	5074.2
14/12/2019 13:41	5.5	6.3	986.7	919.2	12.6	5074.7
14/12/2019 13:56	5.5	7.1	986.8	919.2	12.6	5074.7
14/12/2019 14:11	5.5	7.1	987.1	919.1	12.6	5075.1
14/12/2019 14:26	5.5	7.1	987.3	919.1	12.6	5075.1

14/12/2019 14:41	5.5	7.2	987.6	918.9	12.6	5076
14/12/2019 14:56	5.5	7.4	988.1	918.9	12.6	5076
14/12/2019 15:11	5.5	7.2	988.6	918.9	12.6	5076
14/12/2019 15:26	5.5	6.7	988.7	918.8	12.6	5076.5
14/12/2019 15:41	5.5	6.2	989	918.8	12.6	5076.5
14/12/2019 15:56	5.5	5.8	989.5	918.8	12.6	5076.5
14/12/2019 16:11	5.5	5.6	990	918.8	12.6	5076.5
14/12/2019 16:26	5.5	5.3	990.3	918.8	12.6	5076.5
14/12/2019 16:41	5.5	5	990.1	918.7	12.6	5076.9
14/12/2019 16:56	5.5	4.6	990.1	918.7	12.6	5076.9
14/12/2019 17:11	5.5	4.4	990.2	918.6	12.6	5077.4
14/12/2019 17:26	5.5	4.4	990.4	918.7	12.6	5076.9
14/12/2019 17:41	5.5	4.3	990.5	918.7	12.6	5076.9
14/12/2019 17:56	5.5	4.3	990.7	918.7	12.6	5076.9
14/12/2019 18:11	5.5	4.3	990.8	918.9	12.6	5076
14/12/2019 18:26	5.5	4.2	990.6	918.9	12.6	5076
14/12/2019 18:41	5.5	4.1	990.2	918.9	12.6	5076
14/12/2019 18:56	5.5	4.1	990.4	919	12.6	5075.6
14/12/2019 19:11	5.5	4.3	990.2	919.2	12.6	5074.7
14/12/2019 19:26	5.5	4.4	989.9	919.2	12.6	5074.7
14/12/2019 19:41	5.5	4.5	989.7	919.2	12.6	5074.7
14/12/2019 19:56	5.5	4.4	989.4	919.3	12.6	5074.2
14/12/2019 20:11	5.5	4.4	989.3	919.3	12.6	5074.2
14/12/2019 20:26	5.5	4.3	989.3	919.3	12.6	5074.2
14/12/2019 20:41	5.5	4.2	988.8	919.3	12.6	5074.2
14/12/2019 20:56	5.5	4.3	988.2	919.4	12.6	5073.8
14/12/2019 21:11	5.5	4.7	987.4	919.4	12.6	5073.8
14/12/2019 21:26	5.5	5.4	987.4	919.4	12.6	5073.8
14/12/2019 21:41	5.5	6.3	986.9	919.5	12.6	5073.3
14/12/2019 21:56	5.5	7	986.8	919.5	12.6	5073.3
14/12/2019 22:11	5.5	7.4	986	919.5	12.6	5073.3
14/12/2019 22:26	5.5	7.8	985.4	919.6	12.6	5072.9
14/12/2019 22:41	5.5	8	985.4	919.5	12.6	5073.3
14/12/2019 22:56	5.5	8.3	985.1	919.5	12.6	5073.3
14/12/2019 23:11	5.5	8.4	984.6	919.5	12.6	5073.3
14/12/2019 23:26	5.5	8.6	984.3	919.5	12.6	5073.3
14/12/2019 23:41	5.5	8.6	984.5	919.4	12.6	5073.8
14/12/2019 23:56	5.5	8.3	983.8	919.4	12.6	5073.8
15/12/2019 00:11	5.5	8.1	983.4	919.3	12.6	5074.2
15/12/2019 00:26	5.5	8	982.8	919.4	12.6	5073.8
15/12/2019 00:41	5.5	7.9	982.9	919.3	12.6	5074.2
15/12/2019 00:56	5.5	7.7	982.6	919.2	12.6	5074.7
15/12/2019 01:11	5.5	7.5	983.2	919.2	12.6	5074.7
15/12/2019 01:26	5.5	7.3	982.6	919.1	12.6	5075.1
15/12/2019 01:41	5.5	7	982.2	918.8	12.6	5076.5
15/12/2019 01:56	5.5	6.8	982.6	918.8	12.6	5076.5
15/12/2019 02:11	5.5	6.4	982.4	918.7	12.6	5076.9
15/12/2019 02:26	5.5	6.2	982.4	918.6	12.6	5077.4
15/12/2019 02:41	5.5	6	983.1	918.6	12.6	5077.4
15/12/2019 02:56	5.5	6.1	983.1	918.5	12.6	5077.8

15/12/2019 03:11	5.5	6.1	983.3	918.5	12.6	5077.8
15/12/2019 03:26	5.5	6.1	983.3	918.4	12.6	5078.3
15/12/2019 03:41	5.5	6.1	983.6	918.4	12.6	5078.3
15/12/2019 03:56	5.5	6.1	983.8	918.4	12.6	5078.3
15/12/2019 04:11	5.5	6.1	984.5	918.3	12.6	5078.7
15/12/2019 04:26	5.5	6	985.1	918.3	12.6	5078.7
15/12/2019 04:41	5.5	6	985.1	918.3	12.6	5078.7
15/12/2019 04:56	5.5	5.9	985.5	918.4	12.6	5078.3
15/12/2019 05:11	5.5	5.8	986	918.3	12.6	5078.7
15/12/2019 05:26	5.5	5.8	986.3	918.3	12.6	5078.7
15/12/2019 05:41	5.5	5.7	986.8	918.3	12.6	5078.7
15/12/2019 05:56	5.5	5.6	986.9	918.4	12.6	5078.3
15/12/2019 06:11	5.5	5.5	987.5	918.3	12.6	5078.7
15/12/2019 06:26	5.5	5.3	987.5	918.3	12.6	5078.7
15/12/2019 06:41	5.5	5.3	987.8	918.5	12.6	5077.8
15/12/2019 06:56	5.5	5.2	988.2	918.6	12.6	5077.4
15/12/2019 07:11	5.5	5.2	988.6	918.6	12.6	5077.4
15/12/2019 07:26	5.5	5.2	988.9	918.7	12.6	5076.9
15/12/2019 07:41	5.5	5.1	989.2	918.9	12.6	5076
15/12/2019 07:56	5.5	5.1	989.2	919	12.6	5075.6
15/12/2019 08:11	5.5	5.1	990	919	12.6	5075.6
15/12/2019 08:26	5.5	5.3	990.1	919.2	12.6	5074.7
15/12/2019 08:41	5.5	5.6	990.3	919.3	12.6	5074.2
15/12/2019 08:56	5.5	6.4	990.5	919.3	12.6	5074.2
15/12/2019 09:11	5.5	6.8	990.7	919.4	12.6	5073.8
15/12/2019 09:26	5.5	6.9	991.4	919.4	12.6	5073.8
15/12/2019 09:41	5.5	7.3	991.2	919.6	12.6	5072.9
15/12/2019 09:56	5.5	7.7	991.7	919.6	12.6	5072.9
15/12/2019 10:11	5.5	8.1	991.8	919.6	12.6	5072.9
15/12/2019 10:26	5.5	8.3	991.7	919.7	12.6	5072.4
15/12/2019 10:41	5.5	8.5	991.9	919.7	12.6	5072.4
15/12/2019 10:56	5.5	9	991.8	919.8	12.6	5072
15/12/2019 11:11	5.5	9.6	991.9	919.8	12.6	5072
15/12/2019 11:26	5.5	9.5	992.2	919.8	12.6	5072
15/12/2019 11:41	5.5	9.8	992.2	919.8	12.6	5072
15/12/2019 11:56	5.5	10.9	992.4	919.8	12.6	5072
15/12/2019 12:11	5.5	11.9	992.5	919.8	12.6	5071.5
15/12/2019 12:26	5.5	12.7	992.2	919.8	12.6	5072
15/12/2019 12:41	5.5	13.3	992.4	919.8	12.6	5072
15/12/2019 12:56	5.5	13.7	992.8	919.8	12.6	5072
15/12/2019 13:11	5.5	13.8	992.8	919.8	12.6	5072
15/12/2019 13:26	5.5	13.7	992.9	919.8	12.6	5072
15/12/2019 13:41	5.5	13.6	993	919.8	12.6	5072
15/12/2019 13:56	5.5	13.5	993.2	919.8	12.6	5072
15/12/2019 14:11	5.5	13.3	993.1	919.7	12.6	5072.4
15/12/2019 14:26	5.5	12.9	993.7	919.7	12.6	5072.4
15/12/2019 14:41	5.5	12.4	994	919.7	12.6	5072.4
15/12/2019 14:56	5.5	11.8	994.2	919.6	12.6	5072.9
15/12/2019 15:11	5.5	11.2	994	919.6	12.6	5072.9
15/12/2019 15:26	5.5	10.2	994.3	919.6	12.6	5072.9

15/12/2019 15:41	5.5	9.4	994.6	919.5	12.6	5073.3
15/12/2019 15:56	5.5	8.6	994.8	919.5	12.6	5073.3
15/12/2019 16:11	5.5	8	994.9	919.5	12.6	5073.3
15/12/2019 16:26	5.5	7.5	995.1	919.5	12.6	5073.3
15/12/2019 16:41	5.5	7.1	995.2	919.4	12.6	5073.8
15/12/2019 16:56	5.5	6.8	995.5	919.4	12.6	5073.8
15/12/2019 17:11	5.5	6.7	995.3	919.3	12.6	5074.2
15/12/2019 17:26	5.5	6.9	995.5	919.3	12.6	5074.2
15/12/2019 17:41	5.5	7	995.6	919.2	12.6	5074.7
15/12/2019 17:56	5.5	7.1	996.1	919.2	12.6	5074.7
15/12/2019 18:11	5.5	7	996	919.2	12.6	5074.7
15/12/2019 18:26	5.5	7.1	995.7	919.2	12.6	5074.7
15/12/2019 18:41	5.5	7.1	996.3	919.3	12.6	5074.2
15/12/2019 18:56	5.5	7.1	996.5	919.2	12.6	5074.7
15/12/2019 19:11	5.5	7.1	996.3	919.4	12.6	5073.8
15/12/2019 19:26	5.5	7.1	996.2	919.5	12.6	5073.3
15/12/2019 19:41	5.5	7.2	996.3	919.6	12.6	5072.9
15/12/2019 19:56	5.5	7.2	996	919.6	12.6	5072.9
15/12/2019 20:11	5.5	7.3	996.4	919.7	12.6	5072.4
15/12/2019 20:26	5.5	7.3	996.7	919.7	12.6	5072.4
15/12/2019 20:41	5.5	7.4	996.4	919.7	12.6	5072.4
15/12/2019 20:56	5.5	7.4	996.7	919.7	12.6	5072.4
15/12/2019 21:11	5.5	7.4	996.7	919.8	12.6	5072
15/12/2019 21:26	5.5	7.4	996.5	919.8	12.6	5072
15/12/2019 21:41	5.5	7.4	996.5	919.8	12.6	5072
15/12/2019 21:56	5.5	7.3	996.5	919.8	12.6	5072
15/12/2019 22:11	5.5	7.3	996.4	919.7	12.6	5072.4
15/12/2019 22:26	5.5	7.3	996.9	919.8	12.6	5072
15/12/2019 22:41	5.5	7.4	996.7	919.8	12.6	5072
15/12/2019 22:56	5.5	7.3	996.9	919.8	12.6	5072
15/12/2019 23:11	5.5	7.4	996.5	919.8	12.6	5072
15/12/2019 23:26	5.5	7.3	996.4	919.8	12.6	5072
15/12/2019 23:41	5.5	7.3	996.6	919.8	12.6	5072
15/12/2019 23:56	5.5	7.5	996.3	919.8	12.6	5072
16/12/2019 00:11	5.5	7.8	996.1	919.8	12.6	5072
16/12/2019 00:26	5.5	7.9	996.2	919.8	12.6	5072
16/12/2019 00:41	5.5	7.9	996.3	919.8	12.6	5072
16/12/2019 00:56	5.5	7.9	996.5	919.8	12.6	5072
16/12/2019 01:11	5.5	8	996.7	919.8	12.6	5072
16/12/2019 01:26	5.5	8.2	996.2	919.8	12.6	5072
16/12/2019 01:41	5.5	8.2	996.4	919.7	12.6	5072.4
16/12/2019 01:56	5.5	8.1	996.5	919.8	12.6	5072
16/12/2019 02:11	5.5	7.9	996.3	919.8	12.6	5072
16/12/2019 02:26	5.5	7.7	996.3	919.8	12.6	5072
16/12/2019 02:41	5.5	7.5	996.1	919.8	12.6	5072
16/12/2019 02:56	5.5	7.4	996	919.5	12.6	5073.3
16/12/2019 03:11	5.5	7.3	996	919.6	12.6	5072.9
16/12/2019 03:26	5.5	7.2	995.9	919.6	12.6	5072.9
16/12/2019 03:41	5.5	7.3	996.1	919.4	12.6	5073.8
16/12/2019 03:56	5.5	7.3	996.1	919.4	12.6	5073.8

16/12/2019 04:11	5.5	7.3	996.2	919.3	12.6	5074.2
16/12/2019 04:26	5.5	7.4	996.1	919.3	12.6	5074.2
16/12/2019 04:41	5.5	7.5	996.3	919.2	12.6	5074.7
16/12/2019 04:56	5.5	7.5	995.8	919.1	12.6	5075.1
16/12/2019 05:11	5.5	7.6	996.4	919.1	12.6	5075.1
16/12/2019 05:26	5.5	7.5	996.4	919	12.6	5075.6
16/12/2019 05:41	5.5	7.5	996.1	918.9	12.6	5076
16/12/2019 05:56	5.5	7.5	995.7	918.9	12.6	5076
16/12/2019 06:11	5.5	7.4	996.2	918.9	12.6	5076
16/12/2019 06:26	5.5	7.4	996.4	918.9	12.6	5076
16/12/2019 06:41	5.5	7.3	996.6	918.8	12.6	5076.5
16/12/2019 06:56	5.5	7.3	996.6	918.9	12.6	5076
16/12/2019 07:11	5.5	7.3	996.9	918.8	12.6	5076.5
16/12/2019 07:26	5.5	7.3	996.9	919	12.6	5075.6
16/12/2019 07:41	5.5	7.3	997.2	919.1	12.6	5075.1
16/12/2019 07:56	5.5	7.3	997.4	919.2	12.6	5074.7
16/12/2019 08:11	5.5	7.4	997.7	919.3	12.6	5074.2
16/12/2019 08:26	5.5	7.4	997.6	919.4	12.6	5073.8
16/12/2019 08:41	5.5	7.5	997.9	919.4	12.6	5073.8
16/12/2019 08:56	5.5	7.6	997.8	919.5	12.6	5073.3
16/12/2019 09:11	5.5	7.7	997.8	919.6	12.6	5072.9
16/12/2019 09:26	5.5	7.9	997.9	919.6	12.6	5072.9
16/12/2019 09:41	5.5	8.1	998.1	919.7	12.6	5072.4
16/12/2019 09:56	5.5	8.3	998.1	919.7	12.6	5072.4
16/12/2019 10:11	5.5	8.4	998.2	919.6	12.6	5072.9
16/12/2019 10:26	5.5	8.7	998.3	919.8	12.6	5072
16/12/2019 10:41	5.5	9	998.3	919.8	12.6	5072
16/12/2019 10:56	5.5	9.1	998.5	919.8	12.6	5072
16/12/2019 11:11	5.5	9.2	998.3	919.8	12.6	5072
16/12/2019 11:26	5.5	9.3	998	919.8	12.6	5072
16/12/2019 11:41	5.5	9.3	997.9	919.8	12.6	5072
16/12/2019 11:56	5.5	9.4	997.7	919.8	12.6	5072
16/12/2019 12:11	5.5	9.4	998	919.8	12.6	5072
16/12/2019 12:26	5.5	9.3	998	919.8	12.6	5072
16/12/2019 12:41	5.5	9.3	997.8	919.8	12.6	5072
16/12/2019 12:56	5.5	9.3	998	919.8	12.6	5072
16/12/2019 13:11	5.5	9.1	997.8	919.8	12.6	5072
16/12/2019 13:26	5.5	9	997.8	919.8	12.6	5072
16/12/2019 13:41	5.5	8.9	997.8	919.8	12.6	5072
16/12/2019 13:56	5.5	8.9	997.7	919.8	12.6	5072
16/12/2019 14:11	5.5	8.9	997.7	919.8	12.6	5072
16/12/2019 14:26	5.5	8.8	997.7	919.8	12.6	5072
16/12/2019 14:41	5.5	8.7	997.7	919.8	12.6	5072
16/12/2019 14:56	5.5	8.5	997.8	919.8	12.6	5072
16/12/2019 15:11	5.5	8.3	997.7	919.8	12.6	5072
16/12/2019 15:26	5.5	8.1	997.6	919.8	12.6	5072
16/12/2019 15:41	5.5	7.9	997.6	919.7	12.6	5072.4
16/12/2019 15:56	5.5	7.8	997.8	919.8	12.6	5072
16/12/2019 16:11	5.5	7.7	997.9	919.7	12.6	5072.4
16/12/2019 16:26	5.5	7.6	997.5	919.6	12.6	5072.9

16/12/2019 16:41	5.5	7.3	997.7	919.6	12.6	5072.9
16/12/2019 16:56	5.5	7	997.8	919.5	12.6	5073.3
16/12/2019 17:11	5.5	6.7	997.8	919.4	12.6	5073.8
16/12/2019 17:26	5.5	6.6	997.4	919.5	12.6	5073.3
16/12/2019 17:41	5.5	6.7	997.4	919.4	12.6	5073.8
16/12/2019 17:56	5.5	7	997.2	919.3	12.6	5074.2
16/12/2019 18:11	5.5	7.2	997.2	919.4	12.6	5073.8
16/12/2019 18:26	5.5	7.4	997.2	919.3	12.6	5074.2
16/12/2019 18:41	5.5	7.6	997.4	919.3	12.6	5074.2
16/12/2019 18:56	5.5	7.6	997.4	919.2	12.6	5074.7
16/12/2019 19:11	5.5	7.6	997	919.3	12.6	5074.2
16/12/2019 19:26	5.5	7.4	996.9	919.3	12.6	5074.2
16/12/2019 19:41	5.5	7.3	996.8	919.4	12.6	5073.8
16/12/2019 19:56	5.5	7.3	996.7	919.3	12.6	5074.2
16/12/2019 20:11	5.5	7.4	997	919.4	12.6	5073.8
16/12/2019 20:26	5.5	7.6	997.1	919.5	12.6	5073.3
16/12/2019 20:41	5.5	7.8	996.7	919.6	12.6	5072.9
16/12/2019 20:56	5.5	7.9	996.5	919.6	12.6	5072.9
16/12/2019 21:11	5.5	7.9	996.8	919.6	12.6	5072.9
16/12/2019 21:26	5.5	7.9	996.3	919.7	12.6	5072.4
16/12/2019 21:41	5.5	7.8	996.2	919.8	12.6	5072
16/12/2019 21:56	5.5	7.7	996.5	919.7	12.6	5072.4
16/12/2019 22:11	5.5	7.5	996	919.8	12.6	5072
16/12/2019 22:26	5.5	7.4	996.2	919.8	12.6	5072
16/12/2019 22:41	5.5	7.3	996.1	919.8	12.6	5072
16/12/2019 22:56	5.5	7.2	995.7	919.8	12.6	5072
16/12/2019 23:11	5.5	7	995.8	919.8	12.6	5072
16/12/2019 23:26	5.5	6.9	995.9	919.7	12.6	5072.4
16/12/2019 23:41	5.5	6.8	996	919.7	12.6	5072.4
16/12/2019 23:56	5.5	6.7	995.6	919.8	12.6	5072
17/12/2019 00:11	5.5	6.7	995.3	919.8	12.6	5072
17/12/2019 00:26	5.5	6.6	995.3	919.8	12.6	5072
17/12/2019 00:41	5.5	6.6	995.1	919.8	12.6	5072
17/12/2019 00:56	5.5	6.6	995.1	919.8	12.6	5072
17/12/2019 01:11	5.5	6.7	995.1	919.8	12.6	5072
17/12/2019 01:26	5.5	7	994.6	919.8	12.6	5072
17/12/2019 01:41	5.5	7.3	994.9	919.8	12.6	5072
17/12/2019 01:56	5.5	7.3	994.7	919.8	12.6	5072
17/12/2019 02:11	5.5	7.4	994.9	919.7	12.6	5072.4
17/12/2019 02:26	5.5	7.4	994.7	919.8	12.6	5072
17/12/2019 02:41	5.5	7.4	994.8	919.8	12.6	5072
17/12/2019 02:56	5.5	7.4	995	919.8	12.6	5072
17/12/2019 03:11	5.5	7.4	994.3	919.8	12.6	5072
17/12/2019 03:26	5.5	7.4	994	919.7	12.6	5072.4
17/12/2019 03:41	5.5	7.4	994.2	919.7	12.6	5072.4
17/12/2019 03:56	5.5	7.3	993.7	919.5	12.6	5073.3
17/12/2019 04:11	5.5	7.3	993.5	919.4	12.6	5073.8
17/12/2019 04:26	5.5	7.3	994	919.4	12.6	5073.8
17/12/2019 04:41	5.5	7.2	993.7	919.4	12.6	5073.8
17/12/2019 04:56	5.5	7.2	993.5	919.2	12.6	5074.7

17/12/2019 05:11	5.5	7.1	993.3	919.1	12.6	5075.1
17/12/2019 05:26	5.5	7.2	993.4	919.1	12.6	5075.1
17/12/2019 05:41	5.5	7.2	993	919	12.6	5075.6
17/12/2019 05:56	5.5	7.2	993.2	918.9	12.6	5076
17/12/2019 06:11	5.5	7.2	993.2	918.9	12.6	5076
17/12/2019 06:26	5.5	7.2	993.3	918.9	12.6	5076
17/12/2019 06:41	5.5	7.2	993	918.7	12.6	5076.9
17/12/2019 06:56	5.5	7.1	993.3	918.8	12.6	5076.5
17/12/2019 07:11	5.5	7.1	993.5	918.7	12.6	5076.9
17/12/2019 07:26	5.5	7.1	993.6	918.8	12.6	5076.5
17/12/2019 07:41	5.5	7	993.3	918.8	12.6	5076.5
17/12/2019 07:56	5.5	7	993	918.8	12.6	5076.5
17/12/2019 08:11	5.5	7	993.4	918.9	12.6	5076
17/12/2019 08:26	5.5	7	993.5	918.9	12.6	5076
17/12/2019 08:41	5.5	7	993.3	919	12.6	5075.6
17/12/2019 08:56	5.5	7	993.4	919	12.6	5075.6
17/12/2019 09:11	5.5	7	993.6	919.1	12.6	5075.1
17/12/2019 09:26	5.5	7.1	993.7	919.3	12.6	5074.2
17/12/2019 09:41	5.5	7.1	994	919.4	12.6	5073.8
17/12/2019 09:56	5.5	7.1	994	919.4	12.6	5073.8
17/12/2019 10:11	5.5	7.1	994.4	919.5	12.6	5073.3
17/12/2019 10:26	5.5	7.1	994.3	919.6	12.6	5072.9
17/12/2019 10:41	5.5	7.1	994.2	919.6	12.6	5072.9
17/12/2019 10:56	5.5	7.2	994.6	919.6	12.6	5072.9
17/12/2019 11:11	5.5	7.2	994.7	919.7	12.6	5072.4
17/12/2019 11:26	5.5	7.3	994.7	919.7	12.6	5072.4
17/12/2019 11:41	5.5	7.3	995	919.8	12.6	5072
17/12/2019 11:56	5.5	7.5	994.9	919.8	12.6	5072
17/12/2019 12:11	5.5	7.5	994.8	919.8	12.6	5072
17/12/2019 12:26	5.5	7.5	995	919.7	12.6	5072.4
17/12/2019 12:41	5.5	7.5	995	919.8	12.6	5072
17/12/2019 12:56	5.5	7.5	995.3	919.8	12.6	5072
17/12/2019 13:11	5.5	7.5	995.6	919.8	12.6	5072
17/12/2019 13:26	5.5	7.5	995.9	919.8	12.6	5072
17/12/2019 13:41	5.5	7.5	996.2	919.8	12.6	5072
17/12/2019 13:56	5.5	7.5	996.4	919.8	12.6	5072
17/12/2019 14:11	5.5	7.5	997	919.7	12.6	5072.4
17/12/2019 14:26	5.5	7.5	997	919.8	12.6	5072
17/12/2019 14:41	5.5	7.4	997	919.8	12.6	5072
17/12/2019 14:56	5.5	7.3	997.2	919.8	12.6	5072
17/12/2019 15:11	5.5	7.2	997.2	919.8	12.6	5072
17/12/2019 15:26	5.5	7.1	997.5	919.8	12.6	5072
17/12/2019 15:41	5.5	6.9	997.5	919.8	12.6	5071.5
17/12/2019 15:56	5.5	6.8	998.2	919.8	12.6	5072
17/12/2019 16:11	5.5	6.7	998.1	919.8	12.6	5071.5
17/12/2019 16:26	5.5	6.6	998.6	919.8	12.6	5072
17/12/2019 16:41	5.5	6.6	998.4	919.8	12.6	5072
17/12/2019 16:56	5.5	6.5	998.5	919.8	12.6	5072
17/12/2019 17:11	5.5	6.5	998.7	919.6	12.6	5072.9
17/12/2019 17:26	5.5	6.5	999.1	919.7	12.6	5072.4

17/12/2019 17:41	5.5	6.5	999.1	919.8	12.6	5072
17/12/2019 17:56	5.5	6.5	999.4	919.7	12.6	5072.4
17/12/2019 18:11	5.5	6.5	999.9	919.6	12.6	5072.9
17/12/2019 18:26	5.5	6.5	999.7	919.6	12.6	5072.9
17/12/2019 18:41	5.5	6.5	999.8	919.6	12.6	5072.9
17/12/2019 18:56	5.5	6.5	1000	919.6	12.6	5072.9
17/12/2019 19:11	5.5	6.5	1000.3	919.6	12.6	5072.9
17/12/2019 19:26	5.5	6.6	1000.7	919.6	12.6	5072.9
17/12/2019 19:41	5.5	6.6	1000.9	919.5	12.6	5073.3
17/12/2019 19:56	5.5	6.6	1000.7	919.5	12.6	5073.3
17/12/2019 20:11	5.5	6.5	1000.8	919.6	12.6	5072.9
17/12/2019 20:26	5.5	6.4	1001.6	919.6	12.6	5072.9
17/12/2019 20:41	5.5	6.4	1001.5	919.6	12.6	5072.9
17/12/2019 20:56	5.5	6.4	1002	919.7	12.6	5072.4
17/12/2019 21:11	5.5	6.3	1001.9	919.8	12.6	5072
17/12/2019 21:26	5.5	6	1001.9	919.8	12.6	5072
17/12/2019 21:41	5.5	5.6	1002.4	919.8	12.6	5072
17/12/2019 21:56	5.5	5.5	1002.2	919.8	12.6	5071.5
17/12/2019 22:11	5.5	5.4	1002.9	919.8	12.6	5072
17/12/2019 22:26	5.5	5.4	1002.7	919.8	12.6	5072
17/12/2019 22:41	5.5	5.4	1003	919.8	12.6	5072
17/12/2019 22:56	5.5	5.4	1003.3	919.8	12.6	5072
17/12/2019 23:11	5.5	5.3	1003.2	919.8	12.6	5072
17/12/2019 23:26	5.5	5.1	1003.3	919.8	12.6	5072
17/12/2019 23:41	5.5	4.9	1004	919.7	12.6	5072.4
17/12/2019 23:56	5.5	4.8	1003.7	919.8	12.6	5072
18/12/2019 00:11	5.5	4.6	1004.3	919.7	12.6	5072.4
18/12/2019 00:26	5.5	4.3	1004.4	919.8	12.6	5072
18/12/2019 00:41	5.5	4	1004.3	919.8	12.6	5072
18/12/2019 00:56	5.5	3.5	1004.6	919.7	12.6	5072.4
18/12/2019 01:11	5.5	3.1	1005	919.8	12.6	5072
18/12/2019 01:26	5.5	2.8	1005.3	919.7	12.6	5072.4
18/12/2019 01:41	5.5	2.9	1005.4	919.8	12.6	5072
18/12/2019 01:56	5.5	3.3	1005.5	919.8	12.6	5072
18/12/2019 02:11	5.5	3.5	1005.6	919.8	12.6	5072
18/12/2019 02:26	5.5	3.4	1005.5	919.8	12.6	5072
18/12/2019 02:41	5.5	3.2	1005.5	919.8	12.6	5072
18/12/2019 02:56	5.5	2.8	1005.9	919.8	12.6	5072
18/12/2019 03:11	5.5	2.3	1006.1	919.8	12.6	5072
18/12/2019 03:26	5.6	1.9	1006.4	919.8	12.6	5072
18/12/2019 03:41	5.6	1.4	1006.5	919.8	12.6	5072
18/12/2019 03:56	5.6	1	1006.7	919.8	12.6	5072
18/12/2019 04:11	5.6	0.6	1007.1	919.7	12.6	5072.4
18/12/2019 04:26	5.6	0.4	1007.2	919.8	12.6	5072
18/12/2019 04:41	5.6	0.2	1006.8	919.8	12.6	5072
18/12/2019 04:56	5.6	0.3	1006.9	919.8	12.6	5072
18/12/2019 05:11	5.6	0.3	1007.1	919.8	12.6	5072
18/12/2019 05:26	5.6	0.6	1007.4	919.8	12.6	5072
18/12/2019 05:41	5.6	1	1007.3	919.8	12.6	5072
18/12/2019 05:56	5.6	1.2	1007.6	919.8	12.6	5071.5

18/12/2019 06:11	5.6	1	1007.8	919.8	12.6	5072
18/12/2019 06:26	5.6	0.8	1007.9	919.7	12.6	5072.4
18/12/2019 06:41	5.6	0.6	1008.3	919.8	12.6	5072
18/12/2019 06:56	5.6	0.3	1007.9	919.7	12.6	5072.4
18/12/2019 07:11	5.6	0.1	1008.2	919.8	12.6	5072
18/12/2019 07:26	5.6	-0.2	1008.5	919.8	12.6	5072
18/12/2019 07:41	5.6	-0.3	1008.4	919.8	12.6	5071.5
18/12/2019 07:56	5.6	-0.5	1008.7	919.7	12.6	5072.4
18/12/2019 08:11	5.6	-0.4	1008.6	919.8	12.6	5072
18/12/2019 08:26	5.6	-0.4	1008.9	919.7	12.6	5072.4
18/12/2019 08:41	5.6	-0.3	1009	919.7	12.6	5072.4
18/12/2019 08:56	5.6	0.6	1009	919.7	12.6	5072.4
18/12/2019 09:11	5.5	2.7	1008.9	919.8	12.6	5072
18/12/2019 09:26	5.5	4.8	1008.5	919.8	12.6	5072
18/12/2019 09:41	5.5	6.6	1008.9	919.8	12.6	5072
18/12/2019 09:56	5.5	7.9	1008.9	919.8	12.6	5072
18/12/2019 10:11	5.5	8.7	1008.9	919.8	12.6	5072
18/12/2019 10:26	5.5	9.2	1009	919.8	12.6	5072
18/12/2019 10:41	5.5	9.2	1008.9	919.8	12.6	5072
18/12/2019 10:56	5.5	8.9	1009.1	919.8	12.6	5072
18/12/2019 11:11	5.5	8.8	1008.7	919.8	12.6	5072
18/12/2019 11:26	5.5	9	1008.6	919.8	12.6	5072
18/12/2019 11:41	5.5	10.2	1008.6	919.8	12.6	5072
18/12/2019 11:56	5.5	11.4	1008.4	919.8	12.6	5072
18/12/2019 12:11	5.5	11.5	1008.6	919.8	12.6	5072
18/12/2019 12:26	5.5	12.6	1008.5	919.8	12.6	5072
18/12/2019 12:41	5.5	13.6	1008.6	919.7	12.6	5072.4
18/12/2019 12:56	5.5	14.2	1008.7	919.8	12.6	5072
18/12/2019 13:11	5.5	14.1	1008	919.8	12.6	5072
18/12/2019 13:26	5.5	13.2	1008	919.8	12.6	5072
18/12/2019 13:41	5.5	12.5	1007.7	919.8	12.6	5072
18/12/2019 13:56	5.5	11.9	1007.8	919.8	12.6	5071.5
18/12/2019 14:11	5.5	11.4	1007.5	919.8	12.6	5072
18/12/2019 14:26	5.5	11	1007.2	919.8	12.6	5072
18/12/2019 14:41	5.5	10.5	1007.2	919.8	12.6	5072
18/12/2019 14:56	5.5	10	1007.1	919.8	12.6	5072
18/12/2019 15:11	5.5	9.5	1006.9	919.8	12.6	5072
18/12/2019 15:26	5.5	9.1	1006.8	919.8	12.6	5071.5
18/12/2019 15:41	5.5	8.7	1007.1	919.8	12.6	5072
18/12/2019 15:56	5.5	8.5	1006.7	919.8	12.6	5072
18/12/2019 16:11	5.5	8.3	1006.8	919.8	12.6	5072
18/12/2019 16:26	5.5	8.1	1006.2	919.8	12.6	5072
18/12/2019 16:41	5.5	8.1	1005.9	919.8	12.6	5072
18/12/2019 16:56	5.5	8.2	1005.9	919.8	12.6	5072
18/12/2019 17:11	5.5	8.3	1005.6	919.8	12.6	5072
18/12/2019 17:26	5.5	8.4	1005.6	919.8	12.6	5072
18/12/2019 17:41	5.5	8.5	1005.2	919.8	12.6	5072
18/12/2019 17:56	5.5	8.6	1005.1	919.8	12.6	5072
18/12/2019 18:11	5.5	8.6	1004.9	919.8	12.6	5072
18/12/2019 18:26	5.5	8.6	1004.8	919.8	12.6	5072

18/12/2019 18:41	5.5	8.6	1004.7	919.8	12.6	5072
18/12/2019 18:56	5.5	8.7	1004.7	919.8	12.6	5072
18/12/2019 19:11	5.5	8.7	1004.5	919.8	12.6	5072
18/12/2019 19:26	5.5	8.8	1004.6	919.8	12.6	5072
18/12/2019 19:41	5.5	8.8	1004.2	919.8	12.6	5072
18/12/2019 19:56	5.5	8.9	1004	919.8	12.6	5072
18/12/2019 20:11	5.5	9	1004.2	919.8	12.6	5072
18/12/2019 20:26	5.5	9.1	1004	919.8	12.6	5072
18/12/2019 20:41	5.5	9.1	1003.9	919.6	12.6	5072.9
18/12/2019 20:56	5.5	9.1	1003.8	919.7	12.6	5072.4
18/12/2019 21:11	5.5	9.1	1003.1	919.7	12.6	5072.4
18/12/2019 21:26	5.5	9.1	1002.8	919.7	12.6	5072.4
18/12/2019 21:41	5.5	9.1	1002.7	919.7	12.6	5072.4
18/12/2019 21:56	5.5	9.1	1002.7	919.7	12.6	5072.4
18/12/2019 22:11	5.5	9.2	1002.6	919.8	12.6	5072
18/12/2019 22:26	5.5	9.3	1002.3	919.7	12.6	5072.4
18/12/2019 22:41	5.5	9.4	1002.2	919.7	12.6	5072.4
18/12/2019 22:56	5.5	9.4	1002	919.8	12.6	5072
18/12/2019 23:11	5.5	9.4	1002	919.8	12.6	5072
18/12/2019 23:26	5.5	9.4	1001.8	919.8	12.6	5072
18/12/2019 23:41	5.5	9.5	1001.8	919.8	12.6	5072
18/12/2019 23:56	5.5	9.5	1002	919.8	12.6	5072
19/12/2019 00:11	5.5	9.5	1001.6	919.8	12.6	5072
19/12/2019 00:26	5.5	9.5	1001.5	919.8	12.6	5072
19/12/2019 00:41	5.5	9.7	1001.5	919.8	12.6	5072
19/12/2019 00:56	5.5	9.9	1001.5	919.8	12.6	5072
19/12/2019 01:11	5.5	10.1	1001.3	919.8	12.6	5072
19/12/2019 01:26	5.5	10.3	1001	919.8	12.6	5072
19/12/2019 01:41	5.5	10.4	1001	919.8	12.6	5072
19/12/2019 01:56	5.5	10.7	1001	919.8	12.6	5072
19/12/2019 02:11	5.5	10.8	1000.5	919.8	12.6	5072
19/12/2019 02:26	5.5	10.7	1000.6	919.8	12.6	5072
19/12/2019 02:41	5.5	10.5	1000.3	919.8	12.6	5072
19/12/2019 02:56	5.5	10.4	1000.6	919.8	12.6	5072
19/12/2019 03:11	5.5	10.4	1000.9	919.8	12.6	5072
19/12/2019 03:26	5.5	10.3	1000.7	919.8	12.6	5072
19/12/2019 03:41	5.5	10.3	1000.1	919.8	12.6	5072
19/12/2019 03:56	5.5	10.4	999.9	919.7	12.6	5072.4
19/12/2019 04:11	5.5	10.4	999.9	919.8	12.6	5072
19/12/2019 04:26	5.5	10.3	999.6	919.8	12.6	5072
19/12/2019 04:41	5.5	10.2	999.5	919.7	12.6	5072.4
19/12/2019 04:56	5.5	10.2	999.4	919.8	12.6	5072
19/12/2019 05:11	5.5	10.3	999.2	919.8	12.6	5072
19/12/2019 05:26	5.5	10.4	998.9	919.6	12.6	5072.9
19/12/2019 05:41	5.5	10.4	998.4	919.7	12.6	5072.4
19/12/2019 05:56	5.5	10.3	999	919.6	12.6	5072.9
19/12/2019 06:11	5.5	10.6	998.8	919.6	12.6	5072.9
19/12/2019 06:26	5.5	10.7	998.7	919.5	12.6	5073.3
19/12/2019 06:41	5.5	10.8	998.7	919.4	12.6	5073.8
19/12/2019 06:56	5.5	10.8	999	919.4	12.6	5073.8

19/12/2019 07:11	5.5	10.8	998.7	919.4	12.6	5073.8
19/12/2019 07:26	5.5	10.7	998.6	919.3	12.6	5074.2
19/12/2019 07:41	5.5	10.7	999	919.3	12.6	5074.2
19/12/2019 07:56	5.5	10.8	999.1	919.2	12.6	5074.7
19/12/2019 08:11	5.5	10.9	998.7	919.2	12.6	5074.7
19/12/2019 08:26	5.5	10.9	998.6	919.1	12.6	5075.1
19/12/2019 08:41	5.5	10.9	998.6	919.1	12.6	5075.1
19/12/2019 08:56	5.5	10.9	998.7	919.1	12.6	5075.1
19/12/2019 09:11	5.5	11	998.4	919	12.6	5075.6
19/12/2019 09:26	5.5	11	998.5	919.1	12.6	5075.1
19/12/2019 09:41	5.5	10.9	998.6	919	12.6	5075.6
19/12/2019 09:56	5.5	10.8	998.6	918.9	12.6	5076
19/12/2019 10:11	5.5	10.8	998.2	919	12.6	5075.6
19/12/2019 10:26	5.5	10.9	998.6	919.1	12.6	5075.1
19/12/2019 10:41	5.5	11	998.2	918.9	12.6	5076
19/12/2019 10:56	5.5	11.3	997.9	919.1	12.6	5075.1
19/12/2019 11:11	5.5	12.1	997.8	919.1	12.6	5075.1
19/12/2019 11:26	5.5	12.2	997.3	919.1	12.6	5075.1
19/12/2019 11:41	5.5	12.1	997.5	919.2	12.6	5074.7
19/12/2019 11:56	5.5	12	997.1	919.2	12.6	5074.7
19/12/2019 12:11	5.5	12	996.9	919.2	12.6	5074.7
19/12/2019 12:26	5.5	12.3	996.5	919.4	12.6	5073.8
19/12/2019 12:41	5.5	12.1	996.1	919.4	12.6	5073.8
19/12/2019 12:56	5.5	12	995.9	919.4	12.6	5073.8
19/12/2019 13:11	5.5	12.1	995.4	919.4	12.6	5073.8
19/12/2019 13:26	5.5	12.3	995.1	919.6	12.6	5072.9
19/12/2019 13:41	5.5	12.2	994.5	919.6	12.6	5072.9
19/12/2019 13:56	5.5	11.9	994.1	919.6	12.6	5072.9
19/12/2019 14:11	5.5	11.6	994.1	919.6	12.6	5072.9
19/12/2019 14:26	5.5	11.4	994.2	919.7	12.6	5072.4
19/12/2019 14:41	5.5	11.1	993.5	919.7	12.6	5072.4
19/12/2019 14:56	5.5	11	993.5	919.7	12.6	5072.4
19/12/2019 15:11	5.5	11	993.6	919.7	12.6	5072.4
19/12/2019 15:26	5.5	11	993.5	919.7	12.6	5072.4
19/12/2019 15:41	5.5	10.9	993.2	919.7	12.6	5072.4
19/12/2019 15:56	5.5	10.8	993	919.7	12.6	5072.4
19/12/2019 16:11	5.5	10.9	992.7	919.8	12.6	5072
19/12/2019 16:26	5.5	10.9	992.7	919.8	12.6	5072
19/12/2019 16:41	5.5	10.9	992.5	919.8	12.6	5072
19/12/2019 16:56	5.5	10.8	992	919.7	12.6	5072.4
19/12/2019 17:11	5.5	10.7	991.8	919.7	12.6	5072.4
19/12/2019 17:26	5.5	10.7	991.6	919.7	12.6	5072.4
19/12/2019 17:41	5.5	10.7	991.5	919.6	12.6	5072.9
19/12/2019 17:56	5.5	10.6	991.6	919.5	12.6	5073.3
19/12/2019 18:11	5.5	10.5	991.6	919.5	12.6	5073.3
19/12/2019 18:26	5.5	10.4	991.6	919.4	12.6	5073.8
19/12/2019 18:41	5.5	10.3	991.3	919.3	12.6	5074.2
19/12/2019 18:56	5.5	10.4	990.9	919.3	12.6	5074.2
19/12/2019 19:11	5.5	10.3	991.1	919.2	12.6	5074.7
19/12/2019 19:26	5.5	10.4	990.3	919.1	12.6	5075.1

19/12/2019 19:41	5.5	10.5	990.6	919.1	12.6	5075.1
19/12/2019 19:56	5.5	10.6	989.8	919	12.6	5075.6
19/12/2019 20:11	5.5	10.6	989.8	919.1	12.6	5075.1
19/12/2019 20:26	5.5	10.7	989.8	918.9	12.6	5076
19/12/2019 20:41	5.5	10.8	989.7	918.9	12.6	5076
19/12/2019 20:56	5.5	10.6	989.5	918.9	12.6	5076
19/12/2019 21:11	5.5	10.4	989.4	918.9	12.6	5076
19/12/2019 21:26	5.5	10.4	989	918.8	12.6	5076.5
19/12/2019 21:41	5.5	10.3	988.5	918.9	12.6	5076
19/12/2019 21:56	5.5	10.3	988.5	918.9	12.6	5076
19/12/2019 22:11	5.5	10.2	988.4	918.9	12.6	5076
19/12/2019 22:26	5.5	10.2	988.1	918.9	12.6	5076
19/12/2019 22:41	5.5	10.1	987.9	919	12.6	5075.6
19/12/2019 22:56	5.5	10.1	987.6	919.1	12.6	5075.1
19/12/2019 23:11	5.5	10.1	987.3	919.2	12.6	5074.7
19/12/2019 23:26	5.5	10.1	987.3	919.1	12.6	5075.1
19/12/2019 23:41	5.5	10.1	987	919.2	12.6	5074.7
19/12/2019 23:56	5.5	10.1	986.5	919.3	12.6	5074.2
20/12/2019 00:11	5.5	10.1	986.1	919.3	12.6	5074.2
20/12/2019 00:26	5.5	10.1	985.6	919.3	12.6	5074.2
20/12/2019 00:41	5.5	10.1	985.3	919.3	12.6	5074.2
20/12/2019 00:56	5.5	10.1	985.1	919.4	12.6	5073.8
20/12/2019 01:11	5.5	10.1	984.8	919.4	12.6	5073.8
20/12/2019 01:26	5.5	10.1	984.7	919.4	12.6	5073.8
20/12/2019 01:41	5.5	10.1	984.1	919.5	12.6	5073.3
20/12/2019 01:56	5.5	10.1	984	919.6	12.6	5072.9
20/12/2019 02:11	5.5	10	983.8	919.5	12.6	5073.3
20/12/2019 02:26	5.5	9.9	982.9	919.5	12.6	5073.3
20/12/2019 02:41	5.5	9.8	983	919.6	12.6	5072.9
20/12/2019 02:56	5.5	9.7	982.3	919.5	12.6	5073.3
20/12/2019 03:11	5.5	9.6	981.7	919.6	12.6	5072.9
20/12/2019 03:26	5.5	9.6	981.5	919.6	12.6	5072.9
20/12/2019 03:41	5.5	9.8	981	919.5	12.6	5073.3
20/12/2019 03:56	5.5	10	980.4	919.5	12.6	5073.3
20/12/2019 04:11	5.5	10.1	980.3	919.5	12.6	5073.3
20/12/2019 04:26	5.5	10.2	979.2	919.5	12.6	5073.3
20/12/2019 04:41	5.5	10.1	979.3	919.4	12.6	5073.8
20/12/2019 04:56	5.5	10.2	978.6	919.4	12.6	5073.8
20/12/2019 05:11	5.5	10.2	978.5	919.4	12.6	5073.8
20/12/2019 05:26	5.5	10.1	977.9	919.3	12.6	5074.2
20/12/2019 05:41	5.5	10.1	977.5	919.3	12.6	5074.2
20/12/2019 05:56	5.5	10.2	977	919.2	12.6	5074.7
20/12/2019 06:11	5.5	10.2	976.7	919.1	12.6	5075.1
20/12/2019 06:26	5.5	10.2	976.6	918.8	12.6	5076.5
20/12/2019 06:41	5.5	10.2	976	918.7	12.6	5076.9
20/12/2019 06:56	5.5	10.1	975.9	918.7	12.6	5076.9
20/12/2019 07:11	5.5	10.1	975.3	918.6	12.6	5077.4
20/12/2019 07:26	5.5	10.1	975.2	918.5	12.6	5077.8
20/12/2019 07:41	5.5	10	974.8	918.5	12.6	5077.8
20/12/2019 07:56	5.5	9.9	974.6	918.4	12.6	5078.3

20/12/2019 08:11	5.5	9.9	974.3	918.3	12.6	5078.7
20/12/2019 08:26	5.5	9.9	973.7	918.3	12.6	5078.7
20/12/2019 08:41	5.5	9.9	973.7	918.3	12.6	5078.7
20/12/2019 08:56	5.5	10.1	973.2	918.3	12.6	5079.2
20/12/2019 09:11	5.5	10.1	972.6	918.3	12.6	5078.7
20/12/2019 09:26	5.5	10.2	972.6	918.3	12.6	5079.2
20/12/2019 09:41	5.5	10.2	972.5	918.3	12.6	5078.7
20/12/2019 09:56	5.5	10.2	972.1	918.3	12.6	5078.7
20/12/2019 10:11	5.5	10.4	972.5	918.3	12.6	5079.2
20/12/2019 10:26	5.5	10.6	972.2	918.4	12.6	5078.3
20/12/2019 10:41	5.5	10.6	972	918.3	12.6	5078.7
20/12/2019 10:56	5.5	10.6	972.5	918.3	12.6	5079.2
20/12/2019 11:11	5.5	10.7	972.4	918.3	12.6	5078.7
20/12/2019 11:26	5.5	10.6	972.2	918.3	12.6	5078.7
20/12/2019 11:41	5.5	10.8	972.6	918.3	12.6	5078.7
20/12/2019 11:56	5.5	11.5	972.3	918.3	12.6	5078.7
20/12/2019 12:11	5.5	11.4	972.6	918.3	12.6	5078.7
20/12/2019 12:26	5.5	11.2	973	918.3	12.6	5079.2
20/12/2019 12:41	5.5	11.2	972.9	918.3	12.6	5079.2
20/12/2019 12:56	5.5	11.2	973	918.3	12.6	5078.7
20/12/2019 13:11	5.5	11.2	973.2	918.3	12.6	5078.7
20/12/2019 13:26	5.5	11	974	918.3	12.6	5078.7
20/12/2019 13:41	5.5	10.8	974.2	918.5	12.6	5077.8
20/12/2019 13:56	5.5	10.6	974.2	918.4	12.6	5078.3
20/12/2019 14:11	5.5	10.5	974.5	918.5	12.6	5077.8
20/12/2019 14:26	5.5	10.4	974.7	918.5	12.6	5077.8
20/12/2019 14:41	5.5	10	974.9	918.6	12.6	5077.4
20/12/2019 14:56	5.5	9.8	975.3	918.6	12.6	5077.4
20/12/2019 15:11	5.5	9.7	975.2	918.7	12.6	5076.9
20/12/2019 15:26	5.5	9.6	975.2	918.7	12.6	5076.9
20/12/2019 15:41	5.5	9.4	975.6	918.9	12.6	5076
20/12/2019 15:56	5.5	9.1	975.5	918.9	12.6	5076
20/12/2019 16:11	5.5	8.8	976.1	918.9	12.6	5076
20/12/2019 16:26	5.5	8.6	976.2	919	12.6	5075.6
20/12/2019 16:41	5.5	8.6	976.4	919.2	12.6	5074.7
20/12/2019 16:56	5.5	8.6	976.7	919.2	12.6	5074.7
20/12/2019 17:11	5.5	8.4	976.7	919.3	12.6	5074.2
20/12/2019 17:26	5.5	8.3	977.3	919.2	12.6	5074.7
20/12/2019 17:41	5.5	8.3	977	919.3	12.6	5074.2
20/12/2019 17:56	5.5	8.4	977.4	919.1	12.6	5075.1
20/12/2019 18:11	5.5	8.3	977.6	919.1	12.6	5075.1
20/12/2019 18:26	5.5	8.4	977.8	919	12.6	5075.6
20/12/2019 18:41	5.5	8.5	977.8	918.9	12.6	5076
20/12/2019 18:56	5.5	8.5	978.5	918.9	12.6	5076
20/12/2019 19:11	5.5	8	978.7	918.8	12.6	5076.5
20/12/2019 19:26	5.5	7.5	979.1	918.8	12.6	5076.5
20/12/2019 19:41	5.5	7.2	979.6	918.8	12.6	5076.5
20/12/2019 19:56	5.5	6.8	979.4	918.6	12.6	5077.4
20/12/2019 20:11	5.5	6.4	979.8	918.6	12.6	5077.4
20/12/2019 20:26	5.5	6.1	980.1	918.6	12.6	5077.4

20/12/2019 20:41	5.5	5.9	980.4	918.7	12.6	5076.9
20/12/2019 20:56	5.5	5.7	980.6	918.6	12.6	5077.4
20/12/2019 21:11	5.5	5.4	980.6	918.6	12.6	5077.4
20/12/2019 21:26	5.5	5.2	981	918.5	12.6	5077.8
20/12/2019 21:41	5.5	5.1	981	918.6	12.6	5077.4
20/12/2019 21:56	5.5	5.1	981.4	918.6	12.6	5077.4
20/12/2019 22:11	5.5	5	981.9	918.5	12.6	5077.8
20/12/2019 22:26	5.5	5	981.9	918.6	12.6	5077.4
20/12/2019 22:41	5.5	5.1	982	918.5	12.6	5077.8
20/12/2019 22:56	5.5	5.2	982.2	918.6	12.6	5077.4
20/12/2019 23:11	5.5	5.2	982.2	918.6	12.6	5077.4
20/12/2019 23:26	5.5	5.1	982.1	918.5	12.6	5077.8
20/12/2019 23:41	5.5	5.1	982.1	918.6	12.6	5077.4
20/12/2019 23:56	5.5	5.2	982.2	918.7	12.6	5076.9
21/12/2019 00:11	5.5	5.2	981.9	918.7	12.6	5076.9
21/12/2019 00:26	5.5	5.4	982.3	918.7	12.6	5076.9
21/12/2019 00:41	5.5	5.4	982.1	918.9	12.6	5076
21/12/2019 00:56	5.5	5.3	982	918.8	12.6	5076.5
21/12/2019 01:11	5.5	5.3	982.2	918.9	12.6	5076
21/12/2019 01:26	5.5	5.4	982.1	918.9	12.6	5076
21/12/2019 01:41	5.5	5.7	981.9	919.1	12.6	5075.1
21/12/2019 01:56	5.5	6.2	981.8	919.1	12.6	5075.1
21/12/2019 02:11	5.5	6.6	982	919.2	12.6	5074.7
21/12/2019 02:26	5.5	6.9	982.3	919.3	12.6	5074.2
21/12/2019 02:41	5.5	7.1	981.9	919.3	12.6	5074.2
21/12/2019 02:56	5.5	7.1	981.7	919.4	12.6	5073.8
21/12/2019 03:11	5.5	7.1	981.6	919.4	12.6	5073.8
21/12/2019 03:26	5.5	7.2	981.3	919.4	12.6	5073.8
21/12/2019 03:41	5.5	7.3	981.2	919.5	12.6	5073.3
21/12/2019 03:56	5.5	7.3	981.1	919.5	12.6	5073.3
21/12/2019 04:11	5.5	7.3	981.4	919.6	12.6	5072.9
21/12/2019 04:26	5.5	7.4	980.9	919.5	12.6	5073.3
21/12/2019 04:41	5.5	7.6	980.9	919.5	12.6	5073.3
21/12/2019 04:56	5.5	7.7	980.8	919.6	12.6	5072.9
21/12/2019 05:11	5.5	7.9	980.8	919.5	12.6	5073.3
21/12/2019 05:26	5.5	8.1	980.7	919.5	12.6	5073.3
21/12/2019 05:41	5.5	8.2	980.3	919.4	12.6	5073.8
21/12/2019 05:56	5.5	8.3	980.3	919.5	12.6	5073.3
21/12/2019 06:11	5.5	8.3	980	919.4	12.6	5073.8
21/12/2019 06:26	5.5	8.4	980	919.4	12.6	5073.8
21/12/2019 06:41	5.5	8.5	980.2	919.3	12.6	5074.2
21/12/2019 06:56	5.5	8.5	980.1	919.3	12.6	5074.2
21/12/2019 07:11	5.5	8.5	980.2	919.1	12.6	5075.1
21/12/2019 07:26	5.5	8.4	980	919.1	12.6	5075.1
21/12/2019 07:41	5.5	8.4	979.9	919	12.6	5075.6
21/12/2019 07:56	5.5	8.5	979.8	918.9	12.6	5076
21/12/2019 08:11	5.5	8.6	979.8	918.7	12.6	5076.9
21/12/2019 08:26	5.5	8.6	979.9	918.8	12.6	5076.5
21/12/2019 08:41	5.5	8.5	980	918.7	12.6	5076.9
21/12/2019 08:56	5.5	8.4	979.5	918.7	12.6	5076.9

21/12/2019 09:11	5.5	8.4	979.3	918.5	12.6	5077.8
21/12/2019 09:26	5.5	8.5	979.4	918.5	12.6	5077.8
21/12/2019 09:41	5.5	8.8	979.3	918.4	12.6	5078.3
21/12/2019 09:56	5.5	9.1	979.6	918.4	12.6	5078.3
21/12/2019 10:11	5.5	9.5	979.3	918.5	12.6	5077.8
21/12/2019 10:26	5.5	10	979.4	918.3	12.6	5078.7
21/12/2019 10:41	5.5	9.5	979.2	918.4	12.6	5078.3
21/12/2019 10:56	5.5	8.9	978.7	918.4	12.6	5078.3
21/12/2019 11:11	5.5	8.4	979	918.3	12.6	5078.7
21/12/2019 11:26	5.5	8.1	978.5	918.4	12.6	5078.3
21/12/2019 11:41	5.5	8	978.7	918.3	12.6	5078.7
21/12/2019 11:56	5.5	8.8	978.5	918.3	12.6	5078.7
21/12/2019 12:11	5.5	9.6	978.3	918.3	12.6	5078.7
21/12/2019 12:26	5.5	10.2	977.9	918.3	12.6	5078.7
21/12/2019 12:41	5.5	11.6	977.6	918.3	12.6	5079.2
21/12/2019 12:56	5.5	12.2	977.4	918.3	12.6	5078.7
21/12/2019 13:11	5.5	12.8	977.1	918.3	12.6	5078.7
21/12/2019 13:26	5.5	12.9	977.3	918.3	12.6	5078.7
21/12/2019 13:41	5.5	13	976.8	918.4	12.6	5078.3
21/12/2019 13:56	5.5	13	976.7	918.5	12.6	5077.8
21/12/2019 14:11	5.5	12.8	976.3	918.5	12.6	5077.8
21/12/2019 14:26	5.5	12.1	976.6	918.5	12.6	5077.8
21/12/2019 14:41	5.5	11.1	976.7	918.5	12.6	5077.8
21/12/2019 14:56	5.5	10.3	976.6	918.7	12.6	5076.9
21/12/2019 15:11	5.5	9.6	976.7	918.6	12.6	5077.4
21/12/2019 15:26	5.5	9.4	976.7	918.7	12.6	5076.9
21/12/2019 15:41	5.5	9.3	976.6	918.7	12.6	5076.9
21/12/2019 15:56	5.5	9.3	976.5	918.9	12.6	5076
21/12/2019 16:11	5.5	9.2	976.4	918.8	12.6	5076.5
21/12/2019 16:26	5.5	9.1	976	918.9	12.6	5076
21/12/2019 16:41	5.5	9	976.1	918.9	12.6	5076
21/12/2019 16:56	5.5	8.9	975.8	919	12.6	5075.6
21/12/2019 17:11	5.5	8.9	975.5	919.1	12.6	5075.1
21/12/2019 17:26	5.5	8.9	975.6	919	12.6	5075.6
21/12/2019 17:41	5.5	8.8	975.2	919.1	12.6	5075.1
21/12/2019 17:56	5.5	8.8	975.4	919.2	12.6	5074.7
21/12/2019 18:11	5.5	8.9	975.1	919.1	12.6	5075.1
21/12/2019 18:26	5.5	9.1	974.9	919.2	12.6	5074.7
21/12/2019 18:41	5.5	9.2	974.6	919.1	12.6	5075.1
21/12/2019 18:56	5.5	9.2	974.4	919.1	12.6	5075.1
21/12/2019 19:11	5.5	9.2	974	919	12.6	5075.6
21/12/2019 19:26	5.5	9.2	974	919	12.6	5075.6
21/12/2019 19:41	5.5	9.2	973.3	918.9	12.6	5076
21/12/2019 19:56	5.5	9.2	973.3	918.8	12.6	5076.5
21/12/2019 20:11	5.5	9.2	973.3	918.7	12.6	5076.9
21/12/2019 20:26	5.5	9.2	972.9	918.6	12.6	5077.4
21/12/2019 20:41	5.5	9.2	972.9	918.6	12.6	5077.4
21/12/2019 20:56	5.5	9.1	972.6	918.6	12.6	5077.4
21/12/2019 21:11	5.5	8.9	972.7	918.5	12.6	5077.8
21/12/2019 21:26	5.5	8.7	972.3	918.4	12.6	5078.3

21/12/2019 21:41	5.5	8.7	972.4	918.4	12.6	5078.3
21/12/2019 21:56	5.5	8.6	972.3	918.3	12.6	5078.7
21/12/2019 22:11	5.5	8.4	972.5	918.3	12.6	5078.7
21/12/2019 22:26	5.5	8.3	972.2	918.4	12.6	5078.3
21/12/2019 22:41	5.5	8.1	972.2	918.3	12.6	5078.7
21/12/2019 22:56	5.5	8.1	971.8	918.3	12.6	5078.7
21/12/2019 23:11	5.5	8.1	971.5	918.3	12.6	5078.7
21/12/2019 23:26	5.5	8.2	971.5	918.3	12.6	5079.2
21/12/2019 23:41	5.5	8.3	971.3	918.3	12.6	5078.7
21/12/2019 23:56	5.5	8.3	970.7	918.3	12.6	5078.7
22/12/2019 00:11	5.5	8.4	970.9	918.3	12.6	5078.7
22/12/2019 00:26	5.5	8.4	970.9	918.3	12.6	5079.2
22/12/2019 00:41	5.5	8.5	971	918.3	12.6	5078.7
22/12/2019 00:56	5.5	8.6	971.1	918.3	12.6	5078.7
22/12/2019 01:11	5.5	8.6	971	918.3	12.6	5078.7
22/12/2019 01:26	5.5	8.6	971	918.4	12.6	5078.3
22/12/2019 01:41	5.5	8.8	971	918.5	12.6	5077.8
22/12/2019 01:56	5.5	8.9	971.3	918.4	12.6	5078.3
22/12/2019 02:11	5.5	8.9	971.6	918.4	12.6	5078.3
22/12/2019 02:26	5.5	8.9	971.5	918.5	12.6	5077.8
22/12/2019 02:41	5.5	8.9	971.5	918.5	12.6	5077.8
22/12/2019 02:56	5.5	8.9	971.6	918.6	12.6	5077.4
22/12/2019 03:11	5.5	8.8	972	918.7	12.6	5076.9
22/12/2019 03:26	5.5	8.7	971.8	918.8	12.6	5076.5
22/12/2019 03:41	5.5	8.7	971.9	918.8	12.6	5076.5
22/12/2019 03:56	5.5	8.6	971.8	918.9	12.6	5076
22/12/2019 04:11	5.5	8.5	972.3	918.9	12.6	5076
22/12/2019 04:26	5.5	8.5	972.4	919.1	12.6	5075.1
22/12/2019 04:41	5.5	8.5	972.3	919.2	12.6	5074.7
22/12/2019 04:56	5.5	8.5	972.2	919.2	12.6	5074.7
22/12/2019 05:11	5.5	8.4	972.6	919.2	12.6	5074.7
22/12/2019 05:26	5.5	8.4	972.7	919.3	12.6	5074.2
22/12/2019 05:41	5.5	8.4	972.8	919.2	12.6	5074.7
22/12/2019 05:56	5.5	8.4	973.1	919.3	12.6	5074.2
22/12/2019 06:11	5.5	8.4	973.3	919.3	12.6	5074.2
22/12/2019 06:26	5.5	8.5	973.6	919.3	12.6	5074.2
22/12/2019 06:41	5.5	8.5	973.8	919.3	12.6	5074.2
22/12/2019 06:56	5.5	8.5	974	919.3	12.6	5074.2
22/12/2019 07:11	5.5	8.6	974.2	919.2	12.6	5074.7
22/12/2019 07:26	5.5	8.6	974.5	919.2	12.6	5074.7
22/12/2019 07:41	5.5	8.5	974.5	919.2	12.6	5074.7
22/12/2019 07:56	5.5	8.4	974.7	919.2	12.6	5074.7
22/12/2019 08:11	5.5	8.3	975.4	919.1	12.6	5075.1
22/12/2019 08:26	5.5	8.3	975.1	919.1	12.6	5075.1
22/12/2019 08:41	5.5	8.2	975.7	918.9	12.6	5076
22/12/2019 08:56	5.5	8.2	976.1	918.8	12.6	5076.5
22/12/2019 09:11	5.5	8.2	976.2	918.8	12.6	5076.5
22/12/2019 09:26	5.5	8.2	976.7	918.8	12.6	5076.5
22/12/2019 09:41	5.5	8.3	976.9	918.7	12.6	5076.9
22/12/2019 09:56	5.5	8.4	977.1	918.6	12.6	5077.4

22/12/2019 10:11	5.5	8.4	977.7	918.7	12.6	5076.9
22/12/2019 10:26	5.5	8.4	978.2	918.6	12.6	5077.4
22/12/2019 10:41	5.5	8.4	978.5	918.6	12.6	5077.4
22/12/2019 10:56	5.5	8.5	979.1	918.6	12.6	5077.4
22/12/2019 11:11	5.5	8.9	979.1	918.5	12.6	5077.8
22/12/2019 11:26	5.5	9.1	979.4	918.5	12.6	5077.8
22/12/2019 11:41	5.5	9.1	979.8	918.6	12.6	5077.4
22/12/2019 11:56	5.5	9.1	980	918.5	12.6	5077.8
22/12/2019 12:11	5.5	8.8	980.3	918.4	12.6	5078.3
22/12/2019 12:26	5.5	8.6	980.7	918.4	12.6	5078.3
22/12/2019 12:41	5.5	8.5	981	918.5	12.6	5077.8
22/12/2019 12:56	5.5	8.5	981.2	918.5	12.6	5077.8
22/12/2019 13:11	5.5	8.6	981.6	918.5	12.6	5077.8
22/12/2019 13:26	5.5	8.7	981.6	918.5	12.6	5077.8
22/12/2019 13:41	5.5	8.8	981.5	918.5	12.6	5077.8
22/12/2019 13:56	5.5	8.8	982.1	918.6	12.6	5077.4
22/12/2019 14:11	5.5	8.8	982.1	918.6	12.6	5077.4
22/12/2019 14:26	5.5	8.8	982.2	918.7	12.6	5076.9
22/12/2019 14:41	5.5	8.7	982.8	918.7	12.6	5076.9
22/12/2019 14:56	5.5	8.5	982.9	918.8	12.6	5076.5
22/12/2019 15:11	5.5	8.3	983.3	918.9	12.6	5076
22/12/2019 15:26	5.5	8	983.8	919.1	12.6	5075.1
22/12/2019 15:41	5.5	7.7	984.2	919.2	12.6	5074.7
22/12/2019 15:56	5.5	7.3	984.7	919.3	12.6	5074.2
22/12/2019 16:11	5.5	7.1	984.7	919.3	12.6	5074.2
22/12/2019 16:26	5.5	6.8	985.4	919.4	12.6	5073.8
22/12/2019 16:41	5.5	6.5	985.3	919.5	12.6	5073.3
22/12/2019 16:56	5.5	6.3	985.5	919.5	12.6	5073.3
22/12/2019 17:11	5.5	6.1	985.8	919.6	12.6	5072.9
22/12/2019 17:26	5.5	6	986.1	919.7	12.6	5072.4
22/12/2019 17:41	5.5	5.8	986.5	919.6	12.6	5072.9
22/12/2019 17:56	5.5	5.7	986.5	919.7	12.6	5072.4
22/12/2019 18:11	5.5	5.5	986.7	919.7	12.6	5072.4
22/12/2019 18:26	5.5	5.4	987	919.8	12.6	5072
22/12/2019 18:41	5.5	5.2	987.4	919.6	12.6	5072.9
22/12/2019 18:56	5.5	5.2	987.4	919.8	12.6	5072
22/12/2019 19:11	5.5	5.3	987.5	919.8	12.6	5072
22/12/2019 19:26	5.5	5.4	987.7	919.8	12.6	5072
22/12/2019 19:41	5.5	5.5	987.8	919.8	12.6	5072
22/12/2019 19:56	5.5	5.5	988.1	919.8	12.6	5072
22/12/2019 20:11	5.5	5.6	988.5	919.8	12.6	5072
22/12/2019 20:26	5.5	5.8	988.6	919.8	12.6	5072
22/12/2019 20:41	5.5	6.2	988.6	919.8	12.6	5072
22/12/2019 20:56	5.5	6.4	988.9	919.7	12.6	5072.4
22/12/2019 21:11	5.5	6.7	988.8	919.7	12.6	5072.4
22/12/2019 21:26	5.5	6.8	989.4	919.7	12.6	5072.4
22/12/2019 21:41	5.5	6.9	989.5	919.7	12.6	5072.4
22/12/2019 21:56	5.5	7.1	989.6	919.7	12.6	5072.4
22/12/2019 22:11	5.5	7.2	989.9	919.6	12.6	5072.9
22/12/2019 22:26	5.5	7.3	990.3	919.6	12.6	5072.9

22/12/2019 22:41	5.5	7.3	990.5	919.5	12.6	5073.3
22/12/2019 22:56	5.5	7.1	990.7	919.4	12.6	5073.8
22/12/2019 23:11	5.5	6.9	991.1	919.4	12.6	5073.8
22/12/2019 23:26	5.5	6.7	991.5	919.5	12.6	5073.3
22/12/2019 23:41	5.5	6.7	991.7	919.4	12.6	5073.8
22/12/2019 23:56	5.5	6.8	991.7	919.4	12.6	5073.8
23/12/2019 00:11	5.5	6.9	992.2	919.3	12.6	5074.2
23/12/2019 00:26	5.5	6.9	992	919.3	12.6	5074.2
23/12/2019 00:41	5.5	6.9	992.5	919.3	12.6	5074.2
23/12/2019 00:56	5.5	7	992.7	919.4	12.6	5073.8
23/12/2019 01:11	5.5	7	992.9	919.4	12.6	5073.8
23/12/2019 01:26	5.5	6.9	993.5	919.4	12.6	5073.8
23/12/2019 01:41	5.5	6.6	993.6	919.4	12.6	5073.8
23/12/2019 01:56	5.5	6.3	994.1	919.4	12.6	5073.8
23/12/2019 02:11	5.5	6	994.2	919.5	12.6	5073.3
23/12/2019 02:26	5.5	5.8	994.5	919.5	12.6	5073.3
23/12/2019 02:41	5.5	5.6	994.6	919.5	12.6	5073.3
23/12/2019 02:56	5.5	5.4	995	919.6	12.6	5072.9
23/12/2019 03:11	5.5	5.2	995.1	919.8	12.6	5072
23/12/2019 03:26	5.5	4.9	995.2	919.8	12.6	5072
23/12/2019 03:41	5.5	4.7	995.4	919.8	12.6	5072
23/12/2019 03:56	5.5	4.6	995.3	919.8	12.6	5072
23/12/2019 04:11	5.5	4.5	995.9	919.8	12.6	5072
23/12/2019 04:26	5.5	4.6	996.1	919.8	12.6	5072
23/12/2019 04:41	5.5	4.9	996.2	919.8	12.6	5072
23/12/2019 04:56	5.5	5.1	996.2	919.8	12.6	5072
23/12/2019 05:11	5.5	5.3	996.7	919.8	12.6	5072
23/12/2019 05:26	5.5	5.3	996.8	919.8	12.6	5072
23/12/2019 05:41	5.5	5.5	997	919.8	12.6	5072
23/12/2019 05:56	5.5	5.5	997.5	919.8	12.6	5072
23/12/2019 06:11	5.5	5.6	997.8	919.8	12.6	5072
23/12/2019 06:26	5.5	5.5	998	919.8	12.6	5072
23/12/2019 06:41	5.5	5.3	998.2	919.8	12.6	5072
23/12/2019 06:56	5.5	5.2	998.4	919.8	12.6	5072
23/12/2019 07:11	5.5	5.4	998.9	919.8	12.6	5072
23/12/2019 07:26	5.5	5.6	999.3	919.8	12.6	5072
23/12/2019 07:41	5.5	5.6	999.4	919.8	12.6	5072
23/12/2019 07:56	5.5	5.8	999.6	919.8	12.6	5072
23/12/2019 08:11	5.5	6.1	1000.1	919.8	12.6	5072
23/12/2019 08:26	5.5	6.4	1000.5	919.8	12.6	5072
23/12/2019 08:41	5.5	6.6	1000.9	919.8	12.6	5072
23/12/2019 08:56	5.5	7.1	1000.8	919.8	12.6	5072
23/12/2019 09:11	5.5	8.2	1001.3	919.8	12.6	5072
23/12/2019 09:26	5.5	9.1	1001.6	919.8	12.6	5072
23/12/2019 09:41	5.5	9.9	1001.8	919.8	12.6	5072
23/12/2019 09:56	5.5	10.4	1002.5	919.8	12.6	5072
23/12/2019 10:11	5.5	10.5	1002.2	919.8	12.6	5072
23/12/2019 10:26	5.5	10.3	1002.3	919.8	12.6	5072
23/12/2019 10:41	5.5	10.1	1002.5	919.8	12.6	5072
23/12/2019 10:56	5.5	10.4	1002.7	919.8	12.6	5071.5

23/12/2019 11:11	5.5	11.1	1003.1	919.8	12.6	5072
23/12/2019 11:26	5.5	11.9	1003	919.8	12.6	5072
23/12/2019 11:41	5.4	12.8	1003.2	919.8	12.6	5072
23/12/2019 11:56	5.4	13.5	1003.1	919.8	12.6	5072
23/12/2019 12:11	5.4	13.9	1003.2	919.8	12.6	5072
23/12/2019 12:26	5.4	14.3	1003.1	919.8	12.6	5072
23/12/2019 12:41	5.4	14.3	1003.3	919.7	12.6	5072.4
23/12/2019 12:56	5.4	14.3	1003.5	919.7	12.6	5072.4
23/12/2019 13:11	5.4	14.3	1003.5	919.8	12.6	5072
23/12/2019 13:26	5.4	14	1003.9	919.7	12.6	5072.4
23/12/2019 13:41	5.4	14	1003.7	919.6	12.6	5072.9
23/12/2019 13:56	5.4	13.8	1004.3	919.7	12.6	5072.4
23/12/2019 14:11	5.4	13.5	1004.4	919.7	12.6	5072.4
23/12/2019 14:26	5.4	13.1	1004.8	919.8	12.6	5072
23/12/2019 14:41	5.4	12.6	1005	919.8	12.6	5072
23/12/2019 14:56	5.5	11.9	1005.4	919.8	12.6	5072
23/12/2019 15:11	5.5	11.2	1005.1	919.8	12.6	5072
23/12/2019 15:26	5.5	10.3	1005.2	919.8	12.6	5072
23/12/2019 15:41	5.5	9.5	1005.7	919.8	12.6	5072
23/12/2019 15:56	5.5	9.1	1005.8	919.7	12.6	5072.4
23/12/2019 16:11	5.5	8.7	1006.2	919.7	12.6	5072.4
23/12/2019 16:26	5.5	8.3	1006.3	919.8	12.6	5072
23/12/2019 16:41	5.5	7.9	1006.4	919.8	12.6	5072
23/12/2019 16:56	5.5	7.6	1006.2	919.7	12.6	5072.4
23/12/2019 17:11	5.5	7.2	1006.6	919.8	12.6	5072
23/12/2019 17:26	5.5	7	1006.9	919.8	12.6	5072
23/12/2019 17:41	5.5	6.8	1006.9	919.8	12.6	5072
23/12/2019 17:56	5.5	6.6	1006.8	919.8	12.6	5072
23/12/2019 18:11	5.5	6.5	1007.2	919.8	12.6	5072
23/12/2019 18:26	5.5	6.5	1007.3	919.8	12.6	5072
23/12/2019 18:41	5.5	6.5	1007.2	919.8	12.6	5072
23/12/2019 18:56	5.5	6.6	1007.3	919.8	12.6	5071.5
23/12/2019 19:11	5.5	6.8	1007.5	919.8	12.6	5072
23/12/2019 19:26	5.5	6.9	1007.3	919.8	12.6	5071.5
23/12/2019 19:41	5.5	6.9	1007	919.8	12.6	5072
23/12/2019 19:56	5.5	6.9	1007.3	919.8	12.6	5071.5
23/12/2019 20:11	5.5	6.8	1007.3	919.8	12.6	5071.5
23/12/2019 20:26	5.5	6.7	1007.4	919.8	12.6	5071.5
23/12/2019 20:41	5.5	6.7	1007.6	919.8	12.6	5071.5
23/12/2019 20:56	5.5	6.6	1007.5	919.8	12.6	5071.5
23/12/2019 21:11	5.5	6.6	1007.4	919.8	12.6	5072
23/12/2019 21:26	5.5	6.6	1007.3	919.8	12.6	5072
23/12/2019 21:41	5.5	6.5	1007.2	919.8	12.6	5072
23/12/2019 21:56	5.5	6.5	1007.3	919.8	12.6	5072
23/12/2019 22:11	5.5	6.5	1007.3	919.8	12.6	5072
23/12/2019 22:26	5.5	6.5	1007.4	919.8	12.6	5072
23/12/2019 22:41	5.5	6.6	1007.3	919.8	12.6	5072
23/12/2019 22:56	5.5	6.6	1007.5	919.8	12.6	5072
23/12/2019 23:11	5.5	6.6	1007.4	919.8	12.6	5072
23/12/2019 23:26	5.5	6.7	1007.3	919.8	12.6	5072

23/12/2019 23:41	5.5	6.7	1007.2	919.8	12.6	5072
23/12/2019 23:56	5.5	6.7	1007.1	919.8	12.6	5072
24/12/2019 00:11	5.5	6.6	1006.6	919.8	12.6	5072
24/12/2019 00:26	5.5	6.7	1006.6	919.8	12.6	5072
24/12/2019 00:41	5.5	6.8	1006.4	919.8	12.6	5072
24/12/2019 00:56	5.5	6.9	1006.4	919.8	12.6	5072
24/12/2019 01:11	5.5	7	1006.2	919.8	12.6	5072
24/12/2019 01:26	5.5	7	1005.9	919.8	12.6	5072
24/12/2019 01:41	5.5	7.1	1005.9	919.8	12.6	5072
24/12/2019 01:56	5.5	7.1	1005.3	919.8	12.6	5072
24/12/2019 02:11	5.5	7.1	1005.3	919.8	12.6	5072
24/12/2019 02:26	5.5	7.2	1005.3	919.8	12.6	5072
24/12/2019 02:41	5.5	7.4	1004.9	919.8	12.6	5072
24/12/2019 02:56	5.5	7.6	1004.4	919.8	12.6	5072
24/12/2019 03:11	5.5	7.7	1004	919.8	12.6	5072
24/12/2019 03:26	5.5	7.8	1003.7	919.8	12.6	5072
24/12/2019 03:41	5.5	7.8	1003	919.8	12.6	5072
24/12/2019 03:56	5.5	7.9	1003	919.8	12.6	5071.5
24/12/2019 04:11	5.5	8.1	1002.8	919.8	12.6	5071.5
24/12/2019 04:26	5.5	8.1	1003.2	919.8	12.6	5072
24/12/2019 04:41	5.5	8	1002.7	919.8	12.6	5072
24/12/2019 04:56	5.5	7.9	1001.8	919.8	12.6	5072
24/12/2019 05:11	5.5	7.8	1001.8	919.8	12.6	5072
24/12/2019 05:26	5.5	7.8	1001.6	919.8	12.6	5072
24/12/2019 05:41	5.5	7.8	1001.1	919.8	12.6	5072
24/12/2019 05:56	5.5	7.9	1000.8	919.8	12.6	5072
24/12/2019 06:11	5.5	8	1000.4	919.8	12.6	5072
24/12/2019 06:26	5.5	8	1000.5	919.8	12.6	5072
24/12/2019 06:41	5.5	8.1	1000.3	919.8	12.6	5072
24/12/2019 06:56	5.5	8.2	1000.3	919.8	12.6	5072
24/12/2019 07:11	5.5	8.2	1000.4	919.8	12.6	5072
24/12/2019 07:26	5.5	8.1	1000.2	919.8	12.6	5072
24/12/2019 07:41	5.5	7.8	1000.4	919.8	12.6	5072
24/12/2019 07:56	5.5	7.6	1000.4	919.8	12.6	5072
24/12/2019 08:11	5.5	7.5	1000.3	919.8	12.6	5072
24/12/2019 08:26	5.5	7.4	1000.6	919.8	12.6	5072
24/12/2019 08:41	5.5	7.4	1000.5	919.8	12.6	5072
24/12/2019 08:56	5.5	7.7	1000.5	919.8	12.6	5072
24/12/2019 09:11	5.5	8.3	1000.7	919.8	12.6	5071.5
24/12/2019 09:26	5.5	9	1000.6	919.8	12.6	5072
24/12/2019 09:41	5.5	9.5	1001	919.8	12.6	5072
24/12/2019 09:56	5.5	9.9	1001	919.8	12.6	5072
24/12/2019 10:11	5.5	9.8	1001.3	919.8	12.6	5072
24/12/2019 10:26	5.5	9.6	1001.2	919.8	12.6	5072
24/12/2019 10:41	5.5	9.7	1001.5	919.8	12.6	5072
24/12/2019 10:56	5.5	9.8	1001.7	919.8	12.6	5072
24/12/2019 11:11	5.5	10.4	1001.2	919.8	12.6	5072
24/12/2019 11:26	5.5	11.4	1001.2	919.8	12.6	5072
24/12/2019 11:41	5.4	12.6	1001.3	919.8	12.6	5072
24/12/2019 11:56	5.5	12.7	1001.1	919.8	12.6	5072

24/12/2019 12:11	5.5	12.5	1001.2	919.8	12.6	5072
24/12/2019 12:26	5.4	13.4	1001.3	919.8	12.6	5072
24/12/2019 12:41	5.4	13.8	1001.2	919.7	12.6	5072.4
24/12/2019 12:56	5.4	14	1001.4	919.7	12.6	5072.4
24/12/2019 13:11	5.4	13.8	1001.5	919.7	12.6	5072.4
24/12/2019 13:26	5.4	13.9	1001.9	919.7	12.6	5072.4
24/12/2019 13:41	5.4	13.8	1001.9	919.7	12.6	5072.4
24/12/2019 13:56	5.4	13.4	1002	919.6	12.6	5072.9
24/12/2019 14:11	5.5	12.5	1002.5	919.6	12.6	5072.9
24/12/2019 14:26	5.4	12.2	1002.3	919.7	12.6	5072.4
24/12/2019 14:41	5.4	12	1002.7	919.6	12.6	5072.9
24/12/2019 14:56	5.5	11.6	1002.9	919.6	12.6	5072.9
24/12/2019 15:11	5.5	11.2	1003	919.8	12.6	5072
24/12/2019 15:26	5.5	10.9	1003.3	919.7	12.6	5072.4
24/12/2019 15:41	5.5	10.5	1003.4	919.8	12.6	5072
24/12/2019 15:56	5.5	10.1	1002.9	919.7	12.6	5072.4
24/12/2019 16:11	5.5	9.7	1003.5	919.8	12.6	5072
24/12/2019 16:26	5.5	9.3	1003.7	919.8	12.6	5072
24/12/2019 16:41	5.5	8.9	1003.8	919.8	12.6	5072
24/12/2019 16:56	5.5	8.5	1004	919.8	12.6	5072
24/12/2019 17:11	5.5	8.4	1004	919.7	12.6	5072.4
24/12/2019 17:26	5.5	8.4	1004.3	919.8	12.6	5072
24/12/2019 17:41	5.5	8.4	1004.2	919.8	12.6	5072
24/12/2019 17:56	5.5	8.3	1004.5	919.8	12.6	5071.5
24/12/2019 18:11	5.5	8.2	1004.6	919.8	12.6	5072
24/12/2019 18:26	5.5	7.9	1004.8	919.8	12.6	5072
24/12/2019 18:41	5.5	7.6	1005	919.8	12.6	5072
24/12/2019 18:56	5.5	7.5	1005	919.8	12.6	5072
24/12/2019 19:11	5.5	7.4	1005.8	919.8	12.6	5072
24/12/2019 19:26	5.5	7.3	1005.7	919.8	12.6	5072
24/12/2019 19:41	5.5	7.3	1005.8	919.8	12.6	5072
24/12/2019 19:56	5.5	7.5	1006	919.8	12.6	5072
24/12/2019 20:11	5.5	7.6	1006.1	919.8	12.6	5071.5
24/12/2019 20:26	5.5	7.4	1006.5	919.8	12.6	5071.5
24/12/2019 20:41	5.5	7.3	1006.6	919.8	12.6	5071.5
24/12/2019 20:56	5.5	7.2	1007	919.8	12.6	5071.5
24/12/2019 21:11	5.5	7.2	1007.1	919.9	12.6	5071.1
24/12/2019 21:26	5.5	7.1	1007.4	919.8	12.6	5071.5
24/12/2019 21:41	5.5	7	1007.6	919.9	12.6	5071.1
24/12/2019 21:56	5.5	6.8	1007.6	919.9	12.6	5071.1
24/12/2019 22:11	5.5	6.6	1008.2	919.8	12.6	5071.5
24/12/2019 22:26	5.5	6.5	1008.7	919.8	12.6	5071.5
24/12/2019 22:41	5.5	6.6	1008.8	919.8	12.6	5071.5
24/12/2019 22:56	5.5	6.6	1009	919.8	12.6	5072
24/12/2019 23:11	5.5	6.6	1009	919.8	12.6	5071.5
24/12/2019 23:26	5.5	6.6	1009.2	919.8	12.6	5072
24/12/2019 23:41	5.5	6.8	1009.2	919.8	12.6	5072
24/12/2019 23:56	5.5	7	1009.7	919.8	12.6	5072
25/12/2019 00:11	5.5	7.1	1010.1	919.8	12.6	5072
25/12/2019 00:26	5.5	7.2	1010.4	919.8	12.6	5072

25/12/2019 00:41	5.5	7.2	1010.8	919.8	12.6	5072
25/12/2019 00:56	5.5	7.3	1011.4	919.8	12.6	5072
25/12/2019 01:11	5.5	7.3	1011.5	919.8	12.6	5072
25/12/2019 01:26	5.5	7.3	1011.6	919.8	12.6	5072
25/12/2019 01:41	5.5	7.2	1011.9	919.8	12.6	5072
25/12/2019 01:56	5.5	7.2	1012.2	919.8	12.6	5072
25/12/2019 02:11	5.5	7.1	1012.6	919.8	12.6	5072
25/12/2019 02:26	5.5	7.1	1012.8	919.8	12.6	5072
25/12/2019 02:41	5.5	7	1012.7	919.8	12.6	5072
25/12/2019 02:56	5.5	6.9	1013.5	919.8	12.6	5072
25/12/2019 03:11	5.5	6.9	1013.7	919.8	12.6	5072
25/12/2019 03:26	5.5	6.8	1013.7	919.8	12.6	5072
25/12/2019 03:41	5.5	6.7	1014	919.8	12.6	5072
25/12/2019 03:56	5.5	6.6	1014	919.8	12.6	5072
25/12/2019 04:11	5.5	6.2	1014.1	919.8	12.6	5072
25/12/2019 04:26	5.5	5.7	1014.3	919.8	12.6	5072
25/12/2019 04:41	5.5	5.4	1015	919.8	12.6	5071.5
25/12/2019 04:56	5.5	5.2	1014.9	919.8	12.6	5072
25/12/2019 05:11	5.5	4.9	1015.1	919.8	12.6	5072
25/12/2019 05:26	5.5	4.7	1015.6	919.8	12.6	5071.5
25/12/2019 05:41	5.5	4.5	1015.3	919.8	12.6	5071.5
25/12/2019 05:56	5.5	4.4	1015.9	919.9	12.6	5071.1
25/12/2019 06:11	5.5	4.2	1015.6	919.9	12.6	5071.1
25/12/2019 06:26	5.5	4.1	1015.9	919.9	12.6	5071.1
25/12/2019 06:41	5.5	4	1016.4	920	12.6	5070.6
25/12/2019 06:56	5.5	3.9	1016.5	920	12.6	5070.6
25/12/2019 07:11	5.5	3.9	1017.1	920.1	12.6	5070.2
25/12/2019 07:26	5.5	4	1016.9	920.2	12.6	5069.7
25/12/2019 07:41	5.5	4.1	1017.3	920.1	12.6	5070.2
25/12/2019 07:56	5.5	4.2	1017.4	920.3	12.6	5069.3
25/12/2019 08:11	5.5	4.2	1017.7	920.3	12.6	5069.3
25/12/2019 08:26	5.5	4.2	1018.2	920.3	12.6	5069.3
25/12/2019 08:41	5.5	4.2	1018.3	920.3	12.6	5069.3
25/12/2019 08:56	5.5	4.7	1018.5	920.4	12.6	5068.8
25/12/2019 09:11	5.5	6.1	1018.8	920.4	12.6	5068.8
25/12/2019 09:26	5.5	7.5	1019	920.4	12.6	5068.8
25/12/2019 09:41	5.5	8.7	1019.3	920.4	12.6	5068.8
25/12/2019 09:56	5.5	9.2	1019.5	920.3	12.6	5069.3
25/12/2019 10:11	5.5	9.4	1019.4	920.4	12.6	5068.8
25/12/2019 10:26	5.5	9.2	1019.7	920.4	12.6	5068.8
25/12/2019 10:41	5.5	8.9	1020.2	920.3	12.6	5069.3
25/12/2019 10:56	5.5	9.1	1019.8	920.3	12.6	5069.3
25/12/2019 11:11	5.5	9.8	1020	920.3	12.6	5069.3
25/12/2019 11:26	5.5	10.9	1020	920.2	12.6	5069.7
25/12/2019 11:41	5.4	12.3	1020.1	920.1	12.6	5070.2
25/12/2019 11:56	5.4	13.2	1020.3	920.1	12.6	5070.2
25/12/2019 12:11	5.4	14	1020.6	920	12.6	5070.6
25/12/2019 12:26	5.4	14.2	1020.5	919.9	12.6	5071.1
25/12/2019 12:41	5.4	14.5	1020.6	919.9	12.6	5071.1
25/12/2019 12:56	5.4	14.5	1020.6	919.9	12.6	5071.1

25/12/2019 13:11	5.4	14.4	1020.6	919.9	12.6	5071.1
25/12/2019 13:26	5.4	14.1	1020.7	919.8	12.6	5071.5
25/12/2019 13:41	5.4	14.1	1020.6	919.9	12.6	5071.1
25/12/2019 13:56	5.4	14.1	1020.8	919.8	12.6	5071.5
25/12/2019 14:11	5.4	14.1	1020.8	919.8	12.6	5071.5
25/12/2019 14:26	5.4	14.4	1021.2	919.8	12.6	5071.5
25/12/2019 14:41	5.4	14.2	1021	919.8	12.6	5072
25/12/2019 14:56	5.4	13.9	1020.9	919.8	12.6	5071.5
25/12/2019 15:11	5.4	13.2	1021.4	919.8	12.6	5072
25/12/2019 15:26	5.5	11.9	1021.5	919.8	12.6	5071.5
25/12/2019 15:41	5.5	10.3	1021.5	919.8	12.6	5072
25/12/2019 15:56	5.5	8.8	1021.6	919.8	12.6	5072
25/12/2019 16:11	5.5	7.3	1021.7	919.8	12.6	5072
25/12/2019 16:26	5.5	6.2	1022	919.8	12.6	5072
25/12/2019 16:41	5.5	5.1	1022.2	919.8	12.6	5072
25/12/2019 16:56	5.5	4.2	1021.8	919.8	12.6	5072
25/12/2019 17:11	5.5	3.3	1021.7	919.8	12.6	5071.5
25/12/2019 17:26	5.5	2.7	1021.8	919.9	12.6	5071.1
25/12/2019 17:41	5.5	2.2	1022	919.9	12.6	5071.1
25/12/2019 17:56	5.5	1.8	1022	919.9	12.6	5071.1
25/12/2019 18:11	5.5	1.3	1022.3	920	12.6	5070.6
25/12/2019 18:26	5.5	1	1022.2	920	12.6	5070.6
25/12/2019 18:41	5.5	0.8	1021.9	920	12.6	5070.6
25/12/2019 18:56	5.5	0.6	1022.1	920.1	12.6	5070.2
25/12/2019 19:11	5.5	0.3	1022.3	920.1	12.6	5070.2
25/12/2019 19:26	5.5	0.1	1022.1	920.1	12.6	5070.2
25/12/2019 19:41	5.5	-0.2	1022.1	920.2	12.6	5069.7
25/12/2019 19:56	5.5	-0.3	1022.1	920.2	12.6	5069.7
25/12/2019 20:11	5.5	-0.4	1022.4	920.3	12.6	5069.3
25/12/2019 20:26	5.5	-0.6	1022.5	920.3	12.6	5069.3
25/12/2019 20:41	5.5	-0.6	1022.3	920.3	12.6	5069.3
25/12/2019 20:56	5.5	-0.7	1022.7	920.3	12.6	5069.3
25/12/2019 21:11	5.5	-0.7	1022.5	920.4	12.6	5068.8
25/12/2019 21:26	5.5	-0.8	1022.6	920.4	12.6	5068.8
25/12/2019 21:41	5.5	-0.9	1022.4	920.4	12.6	5068.8
25/12/2019 21:56	5.5	-1.1	1022	920.4	12.6	5068.8
25/12/2019 22:11	5.5	-1.1	1022.4	920.3	12.6	5069.3
25/12/2019 22:26	5.5	-1.3	1022.4	920.3	12.6	5069.3
25/12/2019 22:41	5.5	-1.4	1022.2	920.3	12.6	5069.3
25/12/2019 22:56	5.5	-1.5	1022.2	920.3	12.6	5069.3
25/12/2019 23:11	5.5	-1.5	1022.4	920.3	12.6	5069.3
25/12/2019 23:26	5.5	-1.5	1022.1	920.3	12.6	5069.3
25/12/2019 23:41	5.5	-1.5	1022.2	920.2	12.6	5069.7
25/12/2019 23:56	5.5	-1.5	1022.1	920.1	12.6	5070.2
26/12/2019 00:11	5.5	-1.4	1022.1	920	12.6	5070.6
26/12/2019 00:26	5.5	-1.4	1021.9	920	12.6	5070.6
26/12/2019 00:41	5.5	-1.3	1021.8	919.9	12.6	5071.1
26/12/2019 00:56	5.5	-1.3	1021.4	919.9	12.6	5071.1
26/12/2019 01:11	5.5	-1.2	1021.2	919.8	12.6	5071.5
26/12/2019 01:26	5.5	-1.1	1020.9	919.8	12.6	5071.5

26/12/2019 01:41	5.5	-1	1021	919.8	12.6	5071.5
26/12/2019 01:56	5.5	-1	1020.6	919.8	12.6	5072
26/12/2019 02:11	5.5	-0.9	1020.3	919.8	12.6	5072
26/12/2019 02:26	5.5	-0.8	1020.2	919.8	12.6	5072
26/12/2019 02:41	5.5	-0.6	1020.1	919.8	12.6	5072
26/12/2019 02:56	5.5	-0.5	1020.5	919.8	12.6	5072
26/12/2019 03:11	5.5	-0.2	1020.1	919.8	12.6	5072
26/12/2019 03:26	5.5	0.1	1020	919.8	12.6	5072
26/12/2019 03:41	5.5	0.3	1019.9	919.8	12.6	5072
26/12/2019 03:56	5.5	0.5	1019.3	919.8	12.6	5072
26/12/2019 04:11	5.5	1.9	1019	919.8	12.6	5072
26/12/2019 04:26	5.5	3.5	1018.7	919.8	12.6	5072
26/12/2019 04:41	5.5	4.5	1018.7	919.8	12.6	5072
26/12/2019 04:56	5.5	5.2	1018.6	919.8	12.6	5072
26/12/2019 05:11	5.5	5.8	1018.6	919.8	12.6	5072
26/12/2019 05:26	5.5	6.2	1018.5	919.8	12.6	5072
26/12/2019 05:41	5.5	6.6	1018.4	919.8	12.6	5071.5
26/12/2019 05:56	5.5	6.8	1018.4	919.8	12.6	5071.5
26/12/2019 06:11	5.5	7.1	1018.2	919.8	12.6	5072
26/12/2019 06:26	5.5	7.2	1017.8	919.8	12.6	5071.5
26/12/2019 06:41	5.5	7.3	1017.6	919.8	12.6	5071.5
26/12/2019 06:56	5.5	7.4	1017.5	919.8	12.6	5071.5
26/12/2019 07:11	5.5	7.5	1017.8	919.9	12.6	5071.1
26/12/2019 07:26	5.5	7.6	1017.8	919.9	12.6	5071.1
26/12/2019 07:41	5.5	7.7	1017.1	919.9	12.6	5071.1
26/12/2019 07:56	5.5	7.7	1017.3	920	12.6	5070.6
26/12/2019 08:11	5.5	7.8	1017.6	920	12.6	5070.6
26/12/2019 08:26	5.5	7.8	1017.2	920	12.6	5070.6
26/12/2019 08:41	5.5	7.9	1016.8	920.1	12.6	5070.2
26/12/2019 08:56	5.5	7.9	1016.5	920.2	12.6	5069.7
26/12/2019 09:11	5.5	7.9	1016.3	920.1	12.6	5070.2
26/12/2019 09:26	5.5	8	1016.1	920.1	12.6	5070.2
26/12/2019 09:41	5.5	8	1015.9	920.1	12.6	5070.2
26/12/2019 09:56	5.5	8.1	1015.6	920.2	12.6	5069.7
26/12/2019 10:11	5.5	8.1	1016.1	920.1	12.6	5070.2
26/12/2019 10:26	5.5	8.1	1015.9	920.1	12.6	5070.2
26/12/2019 10:41	5.5	8.1	1015.5	920.1	12.6	5070.2
26/12/2019 10:56	5.5	8.1	1014.9	920.1	12.6	5070.2
26/12/2019 11:11	5.5	8.2	1014.8	920	12.6	5070.6
26/12/2019 11:26	5.5	8.3	1014.4	920.1	12.6	5070.2
26/12/2019 11:41	5.5	8	1014.3	919.9	12.6	5071.1
26/12/2019 11:56	5.5	7.6	1014.2	919.9	12.6	5071.1
26/12/2019 12:11	5.5	7.5	1013.8	919.8	12.6	5071.5
26/12/2019 12:26	5.5	7.6	1014	919.8	12.6	5071.5
26/12/2019 12:41	5.5	7.9	1013.1	919.8	12.6	5072
26/12/2019 12:56	5.5	7.9	1013.2	919.8	12.6	5072
26/12/2019 13:11	5.5	7.7	1012.7	919.8	12.6	5072
26/12/2019 13:26	5.5	7.6	1012.3	919.8	12.6	5072
26/12/2019 13:41	5.5	7.5	1012	919.8	12.6	5072
26/12/2019 13:56	5.5	7.5	1011.7	919.8	12.6	5072

26/12/2019 14:11	5.5	7.6	1011.7	919.8	12.6	5072
26/12/2019 14:26	5.5	7.6	1011.4	919.8	12.6	5072
26/12/2019 14:41	5.5	7.6	1011.3	919.8	12.6	5072
26/12/2019 14:56	5.5	7.7	1010.6	919.8	12.6	5072
26/12/2019 15:11	5.5	7.7	1010.2	919.8	12.6	5072
26/12/2019 15:26	5.5	7.8	1009.8	919.8	12.6	5071.5
26/12/2019 15:41	5.5	7.9	1009.2	919.8	12.6	5072
26/12/2019 15:56	5.5	7.9	1009.2	919.8	12.6	5072
26/12/2019 16:11	5.5	8	1009.1	919.8	12.6	5072
26/12/2019 16:26	5.5	8.1	1008.8	919.8	12.6	5072
26/12/2019 16:41	5.5	8.2	1008.7	919.8	12.6	5072
26/12/2019 16:56	5.5	8.5	1008.3	919.8	12.6	5072
26/12/2019 17:11	5.5	8.7	1008.8	919.8	12.6	5072
26/12/2019 17:26	5.5	8.8	1008.6	919.8	12.6	5072
26/12/2019 17:41	5.5	8.9	1008.6	919.8	12.6	5072
26/12/2019 17:56	5.5	8.9	1008.8	919.8	12.6	5072
26/12/2019 18:11	5.5	8.9	1008.7	919.8	12.6	5072
26/12/2019 18:26	5.5	8.7	1008.9	919.8	12.6	5072
26/12/2019 18:41	5.5	8.5	1009.1	919.8	12.6	5072
26/12/2019 18:56	5.5	8.4	1009.1	919.8	12.6	5072
26/12/2019 19:11	5.5	8.3	1009	919.8	12.6	5072
26/12/2019 19:26	5.5	8.3	1009.2	919.8	12.6	5072
26/12/2019 19:41	5.5	8.2	1009.5	919.8	12.6	5072
26/12/2019 19:56	5.5	8.2	1009.4	919.8	12.6	5072
26/12/2019 20:11	5.5	8.1	1009.7	919.8	12.6	5072
26/12/2019 20:26	5.5	8	1009.7	919.8	12.6	5072
26/12/2019 20:41	5.5	7.9	1009.6	919.8	12.6	5071.5
26/12/2019 20:56	5.5	7.8	1010	919.8	12.6	5071.5
26/12/2019 21:11	5.5	7.7	1010	919.8	12.6	5071.5
26/12/2019 21:26	5.5	7.5	1010	919.8	12.6	5071.5
26/12/2019 21:41	5.5	7.4	1010.1	919.9	12.6	5071.1
26/12/2019 21:56	5.5	7.3	1010.1	919.8	12.6	5071.5
26/12/2019 22:11	5.5	7.3	1010.4	919.8	12.6	5071.5
26/12/2019 22:26	5.5	7.2	1010.6	919.9	12.6	5071.1
26/12/2019 22:41	5.5	7.2	1010.6	919.9	12.6	5071.1
26/12/2019 22:56	5.5	7.2	1011.1	919.9	12.6	5071.1
26/12/2019 23:11	5.5	7.2	1011.2	919.9	12.6	5071.1
26/12/2019 23:26	5.5	7.3	1011	919.9	12.6	5071.1
26/12/2019 23:41	5.5	7.3	1011.4	919.9	12.6	5071.1
26/12/2019 23:56	5.5	7.4	1011.4	919.9	12.6	5071.1
27/12/2019 00:11	5.5	7.7	1011.9	919.9	12.6	5071.1
27/12/2019 00:26	5.5	7.8	1012.5	919.8	12.6	5071.5
27/12/2019 00:41	5.5	7.8	1013	919.8	12.6	5071.5
27/12/2019 00:56	5.5	7.8	1013.5	919.8	12.6	5071.5
27/12/2019 01:11	5.5	7.9	1013.9	919.8	12.6	5071.5
27/12/2019 01:26	5.5	8	1014	919.8	12.6	5072
27/12/2019 01:41	5.5	8	1014.7	919.8	12.6	5071.5
27/12/2019 01:56	5.5	8.1	1015.3	919.8	12.6	5072
27/12/2019 02:11	5.5	8.1	1015.9	919.8	12.6	5072
27/12/2019 02:26	5.5	8.1	1016.2	919.8	12.6	5072

27/12/2019 02:41	5.5	8.1	1016.4	919.8	12.6	5072
27/12/2019 02:56	5.5	8.1	1017.1	919.8	12.6	5072
27/12/2019 03:11	5.5	8.2	1016.9	919.8	12.6	5072
27/12/2019 03:26	5.5	8.3	1017.1	919.8	12.6	5072
27/12/2019 03:41	5.5	8.4	1017.9	919.8	12.6	5072
27/12/2019 03:56	5.5	8.4	1017.8	919.8	12.6	5072
27/12/2019 04:11	5.5	8.4	1018.2	919.8	12.6	5072
27/12/2019 04:26	5.5	8.3	1018.5	919.8	12.6	5072
27/12/2019 04:41	5.5	8.3	1019.1	919.8	12.6	5072
27/12/2019 04:56	5.5	8.3	1019.5	919.8	12.6	5072
27/12/2019 05:11	5.5	8.2	1019.8	919.8	12.6	5072
27/12/2019 05:26	5.5	8.2	1019.9	919.8	12.6	5072
27/12/2019 05:41	5.5	8.1	1020.4	919.8	12.6	5071.5
27/12/2019 05:56	5.5	8.1	1020.6	919.8	12.6	5071.5
27/12/2019 06:11	5.5	8.1	1020.9	919.8	12.6	5071.5
27/12/2019 06:26	5.5	8.1	1021.1	919.9	12.6	5071.1
27/12/2019 06:41	5.5	8.1	1021.3	919.9	12.6	5071.1
27/12/2019 06:56	5.5	8.2	1021.7	919.9	12.6	5071.1
27/12/2019 07:11	5.5	8.2	1021.9	920	12.6	5070.6
27/12/2019 07:26	5.5	8.3	1022	920	12.6	5070.6
27/12/2019 07:41	5.5	8.3	1022.5	920.1	12.6	5070.2
27/12/2019 07:56	5.5	8.4	1022.7	920.1	12.6	5070.2
27/12/2019 08:11	5.5	8.4	1023	920.2	12.6	5069.7
27/12/2019 08:26	5.5	8.4	1023.6	920.3	12.6	5069.3
27/12/2019 08:41	5.5	8.4	1023.7	920.3	12.6	5069.3
27/12/2019 08:56	5.5	8.5	1024	920.4	12.6	5068.8
27/12/2019 09:11	5.5	8.4	1024.7	920.5	12.6	5068.4
27/12/2019 09:26	5.5	8.4	1025.1	920.6	12.6	5067.9
27/12/2019 09:41	5.5	8.4	1025.2	920.6	12.6	5067.9
27/12/2019 09:56	5.5	8.4	1025.4	920.6	12.6	5067.9
27/12/2019 10:11	5.5	8.4	1025.7	920.7	12.6	5067.5
27/12/2019 10:26	5.5	8.5	1025.7	920.7	12.6	5067.5
27/12/2019 10:41	5.5	8.5	1025.8	920.7	12.6	5067.5
27/12/2019 10:56	5.5	8.6	1025.7	920.7	12.6	5067.5
27/12/2019 11:11	5.5	8.6	1026.3	920.7	12.6	5067.5
27/12/2019 11:26	5.5	8.5	1026.6	920.7	12.6	5067.5
27/12/2019 11:41	5.5	8.5	1026.7	920.7	12.6	5067.5
27/12/2019 11:56	5.5	8.5	1026.5	920.7	12.6	5067.5
27/12/2019 12:11	5.5	8.5	1026.6	920.7	12.6	5067.5
27/12/2019 12:26	5.5	8.6	1026.5	920.6	12.6	5067.9
27/12/2019 12:41	5.5	8.6	1026.8	920.6	12.6	5067.9
27/12/2019 12:56	5.5	8.6	1026.8	920.5	12.6	5068.4
27/12/2019 13:11	5.5	8.6	1027	920.4	12.6	5068.8
27/12/2019 13:26	5.5	8.6	1027	920.4	12.6	5068.8
27/12/2019 13:41	5.5	8.5	1027.4	920.3	12.6	5069.3
27/12/2019 13:56	5.5	8.5	1027.4	920.3	12.6	5069.3
27/12/2019 14:11	5.5	8.5	1027.7	920.2	12.6	5069.7
27/12/2019 14:26	5.5	8.5	1027.8	920.2	12.6	5069.7
27/12/2019 14:41	5.5	8.4	1028.6	920.1	12.6	5070.2
27/12/2019 14:56	5.5	8.4	1028.7	920.1	12.6	5070.2

27/12/2019 15:11	5.5	8.4	1028.3	920	12.6	5070.6
27/12/2019 15:26	5.5	8.4	1028.4	920	12.6	5070.6
27/12/2019 15:41	5.5	8.3	1028.8	920	12.6	5070.6
27/12/2019 15:56	5.5	8.3	1029	920	12.6	5070.6
27/12/2019 16:11	5.5	8.3	1029.4	920	12.6	5070.6
27/12/2019 16:26	5.5	8.2	1029.6	919.9	12.6	5071.1
27/12/2019 16:41	5.5	8.2	1029.4	919.9	12.6	5071.1
27/12/2019 16:56	5.5	8.1	1029.7	919.9	12.6	5071.1
27/12/2019 17:11	5.5	8.1	1029.7	919.9	12.6	5071.1
27/12/2019 17:26	5.5	8.1	1029.8	920	12.6	5070.6
27/12/2019 17:41	5.5	8.1	1030	919.9	12.6	5071.1
27/12/2019 17:56	5.5	8.1	1030	920	12.6	5070.6
27/12/2019 18:11	5.5	8.2	1030.3	920.1	12.6	5070.2
27/12/2019 18:26	5.5	8.2	1030.5	920.1	12.6	5070.2
27/12/2019 18:41	5.5	8.2	1030.8	920.2	12.6	5069.7
27/12/2019 18:56	5.5	8.2	1030.8	920.3	12.6	5069.3
27/12/2019 19:11	5.5	8.2	1030.9	920.3	12.6	5069.3
27/12/2019 19:26	5.5	8.2	1030.7	920.3	12.6	5069.3
27/12/2019 19:41	5.5	8.2	1030.9	920.3	12.6	5069.3
27/12/2019 19:56	5.5	8.2	1030.8	920.4	12.6	5068.8
27/12/2019 20:11	5.5	8.2	1031.5	920.5	12.6	5068.4
27/12/2019 20:26	5.5	8.2	1031.7	920.5	12.6	5068.4
27/12/2019 20:41	5.5	8.2	1030.8	920.5	12.6	5068.4
27/12/2019 20:56	5.5	8.2	1031	920.6	12.6	5067.9
27/12/2019 21:11	5.5	8.2	1030.7	920.6	12.6	5067.9
27/12/2019 21:26	5.5	8.2	1031.1	920.6	12.6	5067.9
27/12/2019 21:41	5.5	8.2	1031.6	920.7	12.6	5067.5
27/12/2019 21:56	5.5	8.2	1031.7	920.7	12.6	5067.5
27/12/2019 22:11	5.5	8.1	1031.8	920.8	12.6	5067
27/12/2019 22:26	5.5	8.1	1031.9	920.7	12.6	5067.5
27/12/2019 22:41	5.5	8.1	1031.9	920.7	12.6	5067.5
27/12/2019 22:56	5.5	8.1	1032.1	920.7	12.6	5067.5
27/12/2019 23:11	5.5	8.1	1032.1	920.7	12.6	5067.5
27/12/2019 23:26	5.5	8.1	1031.7	920.7	12.6	5067.5
27/12/2019 23:41	5.5	8	1031.7	920.7	12.6	5067.5
27/12/2019 23:56	5.5	8	1031.8	920.7	12.6	5067.5
28/12/2019 00:11	5.5	8	1032	920.7	12.6	5067.5
28/12/2019 00:26	5.5	8	1032.5	920.7	12.6	5067.5
28/12/2019 00:41	5.5	8.1	1032.7	920.7	12.6	5067.5
28/12/2019 00:56	5.5	8.1	1032.7	920.6	12.6	5067.9
28/12/2019 01:11	5.5	8.1	1032.3	920.6	12.6	5067.9
28/12/2019 01:26	5.5	8.2	1032.8	920.5	12.6	5068.4
28/12/2019 01:41	5.5	8.2	1032.8	920.4	12.6	5068.8
28/12/2019 01:56	5.5	8.2	1033.1	920.3	12.6	5069.3
28/12/2019 02:11	5.5	8.3	1032.9	920.3	12.6	5069.3
28/12/2019 02:26	5.5	8.3	1032.5	920.2	12.6	5069.7
28/12/2019 02:41	5.5	8.3	1032.9	920.2	12.6	5069.7
28/12/2019 02:56	5.5	8.4	1033	920.1	12.6	5070.2
28/12/2019 03:11	5.5	8.4	1032.9	920.1	12.6	5070.2
28/12/2019 03:26	5.5	8.5	1033.1	920.1	12.6	5070.2

28/12/2019 03:41	5.5	8.5	1032.8	920	12.6	5070.6
28/12/2019 03:56	5.5	8.5	1032.8	920	12.6	5070.6
28/12/2019 04:11	5.5	8.6	1032.9	920	12.6	5070.6
28/12/2019 04:26	5.5	8.6	1033.3	919.9	12.6	5071.1
28/12/2019 04:41	5.5	8.6	1033	920	12.6	5070.6
28/12/2019 04:56	5.5	8.6	1033.1	919.9	12.6	5071.1
28/12/2019 05:11	5.5	8.6	1033.2	919.9	12.6	5071.1
28/12/2019 05:26	5.5	8.6	1033.1	919.9	12.6	5071.1
28/12/2019 05:41	5.5	8.6	1033.1	919.9	12.6	5071.1
28/12/2019 05:56	5.5	8.6	1033.1	919.9	12.6	5071.1
28/12/2019 06:11	5.5	8.6	1033	920	12.6	5070.6
28/12/2019 06:26	5.5	8.6	1033.6	920.1	12.6	5070.2
28/12/2019 06:41	5.5	8.5	1033.4	920.1	12.6	5070.2
28/12/2019 06:56	5.5	8.5	1033.4	920.2	12.6	5069.7
28/12/2019 07:11	5.5	8.4	1033.1	920.3	12.6	5069.3
28/12/2019 07:26	5.5	8.4	1033.1	920.4	12.6	5068.8
28/12/2019 07:41	5.5	8.4	1033.7	920.4	12.6	5068.8
28/12/2019 07:56	5.5	8.5	1033.7	920.4	12.6	5068.8
28/12/2019 08:11	5.5	8.5	1033.7	920.5	12.6	5068.4
28/12/2019 08:26	5.5	8.5	1033.8	920.5	12.6	5068.4
28/12/2019 08:41	5.5	8.4	1033.8	920.5	12.6	5068.4
28/12/2019 08:56	5.5	8.5	1034.2	920.6	12.6	5067.9
28/12/2019 09:11	5.5	8.5	1034.1	920.6	12.6	5067.9
28/12/2019 09:26	5.5	8.7	1033.9	920.7	12.6	5067.5
28/12/2019 09:41	5.5	8.9	1034	920.7	12.6	5067.5
28/12/2019 09:56	5.5	9.1	1034.1	920.8	12.6	5067
28/12/2019 10:11	5.5	9.3	1034.2	920.9	12.6	5066.6
28/12/2019 10:26	5.5	9.3	1034	920.9	12.6	5066.6
28/12/2019 10:41	5.5	9.4	1034.1	920.9	12.6	5066.6
28/12/2019 10:56	5.5	9.5	1033.7	920.9	12.6	5066.6
28/12/2019 11:11	5.5	9.6	1033.9	920.9	12.6	5066.6
28/12/2019 11:26	5.5	9.8	1034.1	920.9	12.6	5066.6
28/12/2019 11:41	5.5	9.9	1034	920.9	12.6	5066.6
28/12/2019 11:56	5.5	9.9	1033.9	921	12.6	5066.1
28/12/2019 12:11	5.5	9.9	1033.8	920.9	12.6	5066.6
28/12/2019 12:26	5.5	9.9	1033.8	920.9	12.6	5066.6
28/12/2019 12:41	5.5	10	1033.5	920.9	12.6	5066.6
28/12/2019 12:56	5.5	10.1	1033.6	920.9	12.6	5066.6
28/12/2019 13:11	5.5	10.2	1033.5	920.8	12.6	5067
28/12/2019 13:26	5.5	10.1	1033.6	920.8	12.6	5067
28/12/2019 13:41	5.5	10.1	1033.5	920.7	12.6	5067.5
28/12/2019 13:56	5.5	10	1033.3	920.6	12.6	5067.9
28/12/2019 14:11	5.5	9.9	1033.1	920.6	12.6	5067.9
28/12/2019 14:26	5.5	9.8	1033.1	920.5	12.6	5068.4
28/12/2019 14:41	5.5	9.7	1033	920.4	12.6	5068.8
28/12/2019 14:56	5.5	9.6	1033.1	920.4	12.6	5068.8
28/12/2019 15:11	5.5	9.5	1033.2	920.4	12.6	5068.8
28/12/2019 15:26	5.5	9.4	1033	920.3	12.6	5069.3
28/12/2019 15:41	5.5	9.3	1033.2	920.3	12.6	5069.3
28/12/2019 15:56	5.5	9.2	1033.4	920.3	12.6	5069.3

28/12/2019 16:11	5.5	9.1	1033.2	920.2	12.6	5069.7
28/12/2019 16:26	5.5	9	1033	920.2	12.6	5069.7
28/12/2019 16:41	5.5	9	1033.4	920.1	12.6	5070.2
28/12/2019 16:56	5.5	8.9	1033	920.1	12.6	5070.2
28/12/2019 17:11	5.5	8.9	1033.4	920.1	12.6	5070.2
28/12/2019 17:26	5.5	8.8	1033.9	920.1	12.6	5070.2
28/12/2019 17:41	5.5	8.8	1033.9	920.1	12.6	5070.2
28/12/2019 17:56	5.5	8.8	1033.9	920.1	12.6	5070.2
28/12/2019 18:11	5.5	8.8	1033.7	920.1	12.6	5070.2
28/12/2019 18:26	5.5	8.8	1033.2	920.1	12.6	5070.2
28/12/2019 18:41	5.5	8.7	1033.1	920.1	12.6	5070.2
28/12/2019 18:56	5.5	8.7	1033.1	920.3	12.6	5069.3
28/12/2019 19:11	5.5	8.7	1033.2	920.2	12.6	5069.7
28/12/2019 19:26	5.5	8.7	1033	920.4	12.6	5068.8
28/12/2019 19:41	5.5	8.7	1032.8	920.3	12.6	5069.3
28/12/2019 19:56	5.5	8.6	1033.1	920.5	12.6	5068.4
28/12/2019 20:11	5.5	8.7	1033.1	920.4	12.6	5068.8
28/12/2019 20:26	5.5	8.6	1033.4	920.5	12.6	5068.4
28/12/2019 20:41	5.5	8.6	1033.3	920.5	12.6	5068.4
28/12/2019 20:56	5.5	8.5	1033.4	920.5	12.6	5068.4
28/12/2019 21:11	5.5	8.5	1033.1	920.6	12.6	5067.9
28/12/2019 21:26	5.5	8.4	1033.2	920.6	12.6	5067.9
28/12/2019 21:41	5.5	8.3	1032.6	920.6	12.6	5067.9
28/12/2019 21:56	5.5	8.2	1032.8	920.7	12.6	5067.5
28/12/2019 22:11	5.5	8.1	1032.3	920.7	12.6	5067.5
28/12/2019 22:26	5.5	8.1	1032.4	920.7	12.6	5067.5
28/12/2019 22:41	5.5	8	1032.6	920.8	12.6	5067
28/12/2019 22:56	5.5	7.9	1032.8	920.8	12.6	5067
28/12/2019 23:11	5.5	7.8	1032.4	920.8	12.6	5067
28/12/2019 23:26	5.5	7.8	1032.8	920.9	12.6	5066.6
28/12/2019 23:41	5.5	7.8	1032.8	920.8	12.6	5067
28/12/2019 23:56	5.5	7.8	1032.2	920.7	12.6	5067.5
29/12/2019 00:11	5.5	7.7	1032.1	920.8	12.6	5067
29/12/2019 00:26	5.5	7.7	1032.1	920.7	12.6	5067.5
29/12/2019 00:41	5.5	7.6	1032	920.7	12.6	5067.5
29/12/2019 00:56	5.5	7.6	1031.9	920.7	12.6	5067.5
29/12/2019 01:11	5.5	7.5	1031.9	920.7	12.6	5067.5
29/12/2019 01:26	5.5	7.5	1032	920.7	12.6	5067.5
29/12/2019 01:41	5.5	7.5	1031.7	920.7	12.6	5067.5
29/12/2019 01:56	5.5	7.4	1032.2	920.6	12.6	5067.9
29/12/2019 02:11	5.5	7.3	1032	920.5	12.6	5068.4
29/12/2019 02:26	5.5	7.3	1031.7	920.5	12.6	5068.4
29/12/2019 02:41	5.5	7.1	1031.4	920.4	12.6	5068.8
29/12/2019 02:56	5.5	6.9	1031.5	920.3	12.6	5069.3
29/12/2019 03:11	5.5	6.8	1031.7	920.3	12.6	5069.3
29/12/2019 03:26	5.5	6.6	1031.8	920.3	12.6	5069.3
29/12/2019 03:41	5.5	6.4	1032.1	920.2	12.6	5069.7
29/12/2019 03:56	5.5	6.2	1031.9	920.1	12.6	5070.2
29/12/2019 04:11	5.5	6.1	1031.8	920.1	12.6	5070.2
29/12/2019 04:26	5.5	6.1	1031.6	920.1	12.6	5070.2

29/12/2019 04:41	5.5	6	1031.5	920.1	12.6	5070.2
29/12/2019 04:56	5.5	6	1030.9	920	12.6	5070.6
29/12/2019 05:11	5.5	6	1030.9	920	12.6	5070.6
29/12/2019 05:26	5.5	6.1	1030.9	919.9	12.6	5071.1
29/12/2019 05:41	5.5	6.3	1031.2	920	12.6	5070.6
29/12/2019 05:56	5.5	6.3	1031.2	920	12.6	5070.6
29/12/2019 06:11	5.5	6.4	1031.5	920	12.6	5070.6
29/12/2019 06:26	5.5	6.5	1030.7	920	12.6	5070.6
29/12/2019 06:41	5.5	6.5	1031	920	12.6	5070.6
29/12/2019 06:56	5.5	6.5	1031.6	920.1	12.6	5070.2
29/12/2019 07:11	5.5	6.5	1031	920.1	12.6	5070.2
29/12/2019 07:26	5.5	6.5	1031	920.3	12.6	5069.3
29/12/2019 07:41	5.5	6.4	1030.9	920.3	12.6	5069.3
29/12/2019 07:56	5.5	6.3	1030.8	920.3	12.6	5069.3
29/12/2019 08:11	5.5	6.4	1031	920.4	12.6	5068.8
29/12/2019 08:26	5.5	6.5	1030.9	920.4	12.6	5068.8
29/12/2019 08:41	5.5	6.6	1030.8	920.4	12.6	5068.8
29/12/2019 08:56	5.5	6.8	1030.9	920.5	12.6	5068.4
29/12/2019 09:11	5.5	7.1	1030.3	920.5	12.6	5068.4
29/12/2019 09:26	5.5	7.4	1030.2	920.5	12.6	5068.4
29/12/2019 09:41	5.5	7.6	1030.4	920.5	12.6	5068.4
29/12/2019 09:56	5.5	7.9	1030.8	920.6	12.6	5067.9
29/12/2019 10:11	5.5	8.1	1030.5	920.6	12.6	5067.9
29/12/2019 10:26	5.5	8.4	1030.7	920.7	12.6	5067.5
29/12/2019 10:41	5.5	8.7	1030.5	920.7	12.6	5067.5
29/12/2019 10:56	5.5	8.9	1030.3	920.8	12.6	5067
29/12/2019 11:11	5.5	9	1030	920.8	12.6	5067
29/12/2019 11:26	5.5	9	1029.8	920.9	12.6	5066.6
29/12/2019 11:41	5.5	8.9	1029.8	920.8	12.6	5067
29/12/2019 11:56	5.5	8.9	1030	920.9	12.6	5066.6
29/12/2019 12:11	5.5	8.9	1029.7	920.9	12.6	5066.6
29/12/2019 12:26	5.5	9.1	1029.5	920.9	12.6	5066.6
29/12/2019 12:41	5.5	9.2	1029.3	920.8	12.6	5067
29/12/2019 12:56	5.4	9.9	1028.9	920.8	12.6	5067
29/12/2019 13:11	5.4	10.7	1028.8	920.8	12.6	5067
29/12/2019 13:26	5.4	10.7	1028.8	920.8	12.6	5067
29/12/2019 13:41	5.5	10.2	1028.5	920.8	12.6	5067
29/12/2019 13:56	5.5	10	1028.4	920.7	12.6	5067.5
29/12/2019 14:11	5.5	9.8	1028.8	920.7	12.6	5067.5
29/12/2019 14:26	5.5	9.8	1028.5	920.5	12.6	5068.4
29/12/2019 14:41	5.5	9.3	1028.5	920.5	12.6	5068.4
29/12/2019 14:56	5.5	9	1028.2	920.5	12.6	5068.4
29/12/2019 15:11	5.5	8.7	1028.3	920.4	12.6	5068.8
29/12/2019 15:26	5.5	8.4	1028.5	920.3	12.6	5069.3
29/12/2019 15:41	5.5	8.2	1028.1	920.3	12.6	5069.3
29/12/2019 15:56	5.5	8	1028.2	920.3	12.6	5069.3
29/12/2019 16:11	5.5	7.9	1028	920.1	12.6	5070.2
29/12/2019 16:26	5.5	7.8	1028	920.1	12.6	5070.2
29/12/2019 16:41	5.5	7.7	1028.3	920.1	12.6	5070.2
29/12/2019 16:56	5.5	7.7	1028.3	920.1	12.6	5070.2

29/12/2019 17:11	5.5	7.6	1028.1	920.1	12.6	5070.2
29/12/2019 17:26	5.5	7.6	1028	920	12.6	5070.6
29/12/2019 17:41	5.5	7.6	1027.7	920	12.6	5070.6
29/12/2019 17:56	5.5	7.7	1028	920	12.6	5070.6
29/12/2019 18:11	5.5	7.7	1027.8	920	12.6	5070.6
29/12/2019 18:26	5.5	7.8	1027.7	920	12.6	5070.6
29/12/2019 18:41	5.5	7.8	1027.9	920.1	12.6	5070.2
29/12/2019 18:56	5.5	7.8	1027.7	920.1	12.6	5070.2
29/12/2019 19:11	5.5	7.8	1027.7	920.1	12.6	5070.2
29/12/2019 19:26	5.5	7.8	1028	920.2	12.6	5069.7
29/12/2019 19:41	5.5	7.6	1028.2	920.3	12.6	5069.3
29/12/2019 19:56	5.5	7.4	1028.2	920.4	12.6	5068.8
29/12/2019 20:11	5.5	7.2	1028	920.4	12.6	5068.8
29/12/2019 20:26	5.5	7.1	1027.9	920.5	12.6	5068.4
29/12/2019 20:41	5.5	6.8	1027.9	920.4	12.6	5068.8
29/12/2019 20:56	5.5	6.4	1027.9	920.5	12.6	5068.4
29/12/2019 21:11	5.5	6.2	1027.7	920.5	12.6	5068.4
29/12/2019 21:26	5.5	6.1	1027.4	920.5	12.6	5068.4
29/12/2019 21:41	5.5	6.3	1027.4	920.6	12.6	5067.9
29/12/2019 21:56	5.5	6.4	1027.2	920.6	12.6	5067.9
29/12/2019 22:11	5.5	6.6	1027.4	920.6	12.6	5067.9
29/12/2019 22:26	5.5	6.7	1027.2	920.7	12.6	5067.5
29/12/2019 22:41	5.5	6.7	1027.4	920.7	12.6	5067.5
29/12/2019 22:56	5.5	6.6	1027.3	920.7	12.6	5067.5
29/12/2019 23:11	5.5	6.7	1027	920.7	12.6	5067.5
29/12/2019 23:26	5.5	6.7	1027.1	920.8	12.6	5067
29/12/2019 23:41	5.5	6.8	1027.1	920.7	12.6	5067.5
29/12/2019 23:56	5.5	6.7	1026.8	920.8	12.6	5067
30/12/2019 00:11	5.5	6.6	1026.7	920.7	12.6	5067.5
30/12/2019 00:26	5.5	6.6	1026.9	920.7	12.6	5067.5
30/12/2019 00:41	5.5	6.7	1026.4	920.7	12.6	5067.5
30/12/2019 00:56	5.5	6.8	1026.6	920.7	12.6	5067.5
30/12/2019 01:11	5.5	6.8	1026.7	920.7	12.6	5067.5
30/12/2019 01:26	5.5	6.6	1026.6	920.6	12.6	5067.9
30/12/2019 01:41	5.5	6.3	1026.2	920.7	12.6	5067.5
30/12/2019 01:56	5.5	6.2	1026.6	920.6	12.6	5067.9
30/12/2019 02:11	5.5	6.1	1026.3	920.6	12.6	5067.9
30/12/2019 02:26	5.5	5.9	1026.3	920.5	12.6	5068.4
30/12/2019 02:41	5.5	5.9	1026.2	920.5	12.6	5068.4
30/12/2019 02:56	5.5	5.8	1025.9	920.4	12.6	5068.8
30/12/2019 03:11	5.5	5.8	1025.7	920.3	12.6	5069.3
30/12/2019 03:26	5.5	5.8	1025.8	920.3	12.6	5069.3
30/12/2019 03:41	5.5	5.8	1025.8	920.1	12.6	5070.2
30/12/2019 03:56	5.5	5.8	1025.8	920.1	12.6	5070.2
30/12/2019 04:11	5.5	5.7	1025.7	920.1	12.6	5070.2
30/12/2019 04:26	5.5	5.6	1025.3	920	12.6	5070.6
30/12/2019 04:41	5.5	5.4	1025.5	920	12.6	5070.6
30/12/2019 04:56	5.5	5.3	1025.5	919.9	12.6	5071.1
30/12/2019 05:11	5.5	5.1	1025.5	919.9	12.6	5071.1
30/12/2019 05:26	5.5	5	1025.2	919.9	12.6	5071.1

30/12/2019 05:41	5.5	4.8	1025	919.9	12.6	5071.1
30/12/2019 05:56	5.5	4.6	1025.3	919.9	12.6	5071.1
30/12/2019 06:11	5.5	4.5	1025.2	919.8	12.6	5071.5
30/12/2019 06:26	5.5	4.4	1024.8	919.9	12.6	5071.1
30/12/2019 06:41	5.5	4.3	1024.8	919.8	12.6	5071.5
30/12/2019 06:56	5.5	4.2	1025	919.8	12.6	5071.5
30/12/2019 07:11	5.5	4	1024.9	919.8	12.6	5071.5
30/12/2019 07:26	5.5	4	1024.9	919.8	12.6	5071.5
30/12/2019 07:41	5.5	4	1024.7	919.9	12.6	5071.1
30/12/2019 07:56	5.5	3.9	1024.8	919.9	12.6	5071.1
30/12/2019 08:11	5.5	4	1024.7	919.9	12.6	5071.1
30/12/2019 08:26	5.5	4.1	1024.9	920	12.6	5070.6
30/12/2019 08:41	5.5	4.3	1024.7	920.1	12.6	5070.2
30/12/2019 08:56	5.5	5.2	1024.5	920.1	12.6	5070.2
30/12/2019 09:11	5.5	6.5	1024.8	920.1	12.6	5070.2
30/12/2019 09:26	5.5	7.8	1024.8	920.1	12.6	5070.2
30/12/2019 09:41	5.5	8.8	1024.6	920.2	12.6	5069.7
30/12/2019 09:56	5.5	9.6	1024.6	920.3	12.6	5069.3
30/12/2019 10:11	5.5	9.9	1024.9	920.3	12.6	5069.3
30/12/2019 10:26	5.5	9.8	1024.5	920.3	12.6	5069.3
30/12/2019 10:41	5.5	9.4	1024.3	920.3	12.6	5069.3
30/12/2019 10:56	5.5	9.5	1024.3	920.5	12.6	5068.4
30/12/2019 11:11	5.4	10.1	1024.3	920.5	12.6	5068.4
30/12/2019 11:26	5.4	11.1	1023.9	920.5	12.6	5068.4
30/12/2019 11:41	5.4	12.2	1023.7	920.5	12.6	5068.4
30/12/2019 11:56	5.4	13.4	1023.7	920.6	12.6	5067.9
30/12/2019 12:11	5.4	13.6	1023.4	920.6	12.6	5067.9
30/12/2019 12:26	5.4	13.9	1023.1	920.6	12.6	5067.9
30/12/2019 12:41	5.4	14	1022.8	920.7	12.6	5067.5
30/12/2019 12:56	5.4	14.4	1022.8	920.6	12.6	5067.9
30/12/2019 13:11	5.4	14.7	1022.5	920.6	12.6	5067.9
30/12/2019 13:26	5.4	14.8	1022.7	920.6	12.6	5067.9
30/12/2019 13:41	5.4	15.1	1022.4	920.6	12.6	5067.9
30/12/2019 13:56	5.4	15	1022.1	920.6	12.6	5067.9
30/12/2019 14:11	5.4	14.8	1022.2	920.6	12.6	5067.9
30/12/2019 14:26	5.4	14.5	1022.3	920.6	12.6	5067.9
30/12/2019 14:41	5.4	14.3	1022.3	920.5	12.6	5068.4
30/12/2019 14:56	5.4	13.8	1022.4	920.4	12.6	5068.8
30/12/2019 15:11	5.4	13.7	1022.5	920.4	12.6	5068.8
30/12/2019 15:26	5.4	12.4	1022.2	920.3	12.6	5069.3
30/12/2019 15:41	5.4	11.3	1022.9	920.3	12.6	5069.3
30/12/2019 15:56	5.4	10.1	1022.7	920.2	12.6	5069.7
30/12/2019 16:11	5.4	9.2	1022.8	920.1	12.6	5070.2
30/12/2019 16:26	5.4	8.5	1022.5	920.1	12.6	5070.2
30/12/2019 16:41	5.4	8	1022.7	920.1	12.6	5070.2
30/12/2019 16:56	5.4	7.6	1022.6	920.1	12.6	5070.2
30/12/2019 17:11	5.4	7.3	1022.3	920	12.6	5070.6
30/12/2019 17:26	5.5	7	1022.7	920	12.6	5070.6
30/12/2019 17:41	5.5	6.6	1022.8	920	12.6	5070.6
30/12/2019 17:56	5.5	6.4	1023.1	919.9	12.6	5071.1

30/12/2019 18:11	5.5	6	1023.3	920	12.6	5070.6
30/12/2019 18:26	5.5	5.8	1023.8	920	12.6	5070.6
30/12/2019 18:41	5.5	5.5	1023.9	919.9	12.6	5071.1
30/12/2019 18:56	5.5	5.2	1023.9	920	12.6	5070.6
30/12/2019 19:11	5.5	4.7	1024.4	920	12.6	5070.6
30/12/2019 19:26	5.5	4.1	1024.7	920.1	12.6	5070.2
30/12/2019 19:41	5.5	3.5	1024.9	920.1	12.6	5070.2
30/12/2019 19:56	5.5	3.1	1025.1	920.1	12.6	5070.2
30/12/2019 20:11	5.5	2.8	1025.2	920.3	12.6	5069.3
30/12/2019 20:26	5.5	2.6	1025.6	920.4	12.6	5068.8
30/12/2019 20:41	5.5	2.3	1025.3	920.4	12.6	5068.8
30/12/2019 20:56	5.5	2.2	1025.8	920.5	12.6	5068.4
30/12/2019 21:11	5.5	2.1	1025.9	920.5	12.6	5068.4
30/12/2019 21:26	5.5	2.2	1025.6	920.5	12.6	5068.4
30/12/2019 21:41	5.5	2.7	1025.9	920.6	12.6	5067.9
30/12/2019 21:56	5.5	3	1026.2	920.6	12.6	5067.9
30/12/2019 22:11	5.5	3.3	1025.7	920.6	12.6	5067.9
30/12/2019 22:26	5.5	3.7	1025.9	920.7	12.6	5067.5
30/12/2019 22:41	5.5	3.8	1026.1	920.7	12.6	5067.5
30/12/2019 22:56	5.5	4	1026.3	920.7	12.6	5067.5
30/12/2019 23:11	5.5	4.1	1026.6	920.7	12.6	5067.5
30/12/2019 23:26	5.5	4.1	1026.3	920.9	12.6	5066.6
30/12/2019 23:41	5.5	4.1	1026.6	920.9	12.6	5066.6
30/12/2019 23:56	5.5	4	1026.3	920.9	12.6	5066.6
31/12/2019 00:11	5.5	3.9	1026.3	920.9	12.6	5066.6
31/12/2019 00:26	5.5	3.9	1026.1	920.9	12.6	5066.6
31/12/2019 00:41	5.5	3.9	1026	920.9	12.6	5066.6
31/12/2019 00:56	5.5	4	1026.4	920.9	12.6	5066.6
31/12/2019 01:11	5.5	4.2	1026.2	920.9	12.6	5066.6
31/12/2019 01:26	5.5	4.4	1026.6	920.9	12.6	5066.6
31/12/2019 01:41	5.5	4.6	1027.1	920.8	12.6	5067
31/12/2019 01:56	5.5	4.8	1027.1	920.9	12.6	5066.6
31/12/2019 02:11	5.5	5.1	1026.9	920.9	12.6	5066.6
31/12/2019 02:26	5.5	5.3	1027.4	920.8	12.6	5067
31/12/2019 02:41	5.5	5.4	1027	920.8	12.6	5067
31/12/2019 02:56	5.5	5.7	1027.1	920.7	12.6	5067.5
31/12/2019 03:11	5.5	5.8	1027.3	920.7	12.6	5067.5
31/12/2019 03:26	5.5	6	1027.5	920.6	12.6	5067.9
31/12/2019 03:41	5.5	6.3	1027.7	920.6	12.6	5067.9
31/12/2019 03:56	5.5	6.6	1027.9	920.5	12.6	5068.4
31/12/2019 04:11	5.5	6.8	1028	920.5	12.6	5068.4
31/12/2019 04:26	5.5	6.8	1028	920.4	12.6	5068.8
31/12/2019 04:41	5.5	6.6	1027.8	920.3	12.6	5069.3
31/12/2019 04:56	5.5	6.5	1028.4	920.3	12.6	5069.3
31/12/2019 05:11	5.5	6.4	1028.4	920.3	12.6	5069.3
31/12/2019 05:26	5.5	6.4	1028.1	920.2	12.6	5069.7
31/12/2019 05:41	5.5	6.4	1028.4	920.2	12.6	5069.7
31/12/2019 05:56	5.5	6.3	1028.7	920.2	12.6	5069.7
31/12/2019 06:11	5.5	6.1	1028.9	920.1	12.6	5070.2
31/12/2019 06:26	5.5	6.1	1028.8	920.1	12.6	5070.2

31/12/2019 06:41	5.5	6.4	1028.8	920.1	12.6	5070.2
31/12/2019 06:56	5.5	6.7	1029	920	12.6	5070.6
31/12/2019 07:11	5.5	6.9	1029	920.1	12.6	5070.2
31/12/2019 07:26	5.5	7	1029.1	920.1	12.6	5070.2
31/12/2019 07:41	5.5	7	1029.3	920.1	12.6	5070.2
31/12/2019 07:56	5.5	7.1	1029.7	920.1	12.6	5070.2
31/12/2019 08:11	5.5	7.2	1029.7	920.1	12.6	5070.2
31/12/2019 08:26	5.5	7.3	1030.1	920.2	12.6	5069.7
31/12/2019 08:41	5.5	7.4	1030.3	920.3	12.6	5069.3
31/12/2019 08:56	5.5	7.6	1030.6	920.3	12.6	5069.3
31/12/2019 09:11	5.5	7.8	1030.2	920.4	12.6	5068.8
31/12/2019 09:26	5.5	7.9	1030.7	920.5	12.6	5068.4
31/12/2019 09:41	5.5	8	1031.1	920.5	12.6	5068.4
31/12/2019 09:56	5.5	8.2	1030.8	920.6	12.6	5067.9
31/12/2019 10:11	5.5	8.8	1030.9	920.5	12.6	5068.4
31/12/2019 10:26	5.5	8.8	1031.3	920.6	12.6	5067.9
31/12/2019 10:41	5.5	8.8	1031.5	920.6	12.6	5067.9
31/12/2019 10:56	5.5	8.7	1031.6	920.7	12.6	5067.5
31/12/2019 11:11	5.5	8.8	1031	920.7	12.6	5067.5
31/12/2019 11:26	5.5	8.8	1031.3	920.8	12.6	5067
31/12/2019 11:41	5.5	9.1	1031.1	920.8	12.6	5067
31/12/2019 11:56	5.5	9.3	1031.2	920.8	12.6	5067
31/12/2019 12:11	5.5	9.6	1031	920.8	12.6	5067
31/12/2019 12:26	5.4	9.8	1031.1	920.9	12.6	5066.6
31/12/2019 12:41	5.4	10.4	1031.1	920.9	12.6	5066.6
31/12/2019 12:56	5.4	11.1	1030.6	920.9	12.6	5066.6
31/12/2019 13:11	5.4	11.4	1030.6	920.9	12.6	5066.6
31/12/2019 13:26	5.4	12.1	1030.4	920.9	12.6	5066.6
31/12/2019 13:41	5.4	13	1030.3	920.9	12.6	5066.6
31/12/2019 13:56	5.4	13.8	1030.2	920.9	12.6	5066.6
31/12/2019 14:11	5.4	13.8	1030.1	920.9	12.6	5066.6
31/12/2019 14:26	5.4	13.4	1030.1	920.9	12.6	5066.6
31/12/2019 14:41	5.4	12.7	1030.2	920.9	12.6	5066.6
31/12/2019 14:56	5.4	11.9	1030.1	920.9	12.6	5066.6
31/12/2019 15:11	5.4	10.9	1030.1	920.8	12.6	5067
31/12/2019 15:26	5.4	9.9	1030.1	920.8	12.6	5067
31/12/2019 15:41	5.4	9.1	1029.9	920.7	12.6	5067.5
31/12/2019 15:56	5.5	8.5	1030.2	920.6	12.6	5067.9
31/12/2019 16:11	5.5	8.1	1030.2	920.6	12.6	5067.9
31/12/2019 16:26	5.5	7.8	1030.3	920.5	12.6	5068.4
31/12/2019 16:41	5.5	7.7	1030.4	920.5	12.6	5068.4
31/12/2019 16:56	5.5	7.6	1030	920.4	12.6	5068.8
31/12/2019 17:11	5.5	7.6	1030.2	920.4	12.6	5068.8
31/12/2019 17:26	5.5	7.5	1029.7	920.3	12.6	5069.3
31/12/2019 17:41	5.5	7.5	1029.8	920.3	12.6	5069.3
31/12/2019 17:56	5.5	7.5	1029.6	920.3	12.6	5069.3
31/12/2019 18:11	5.5	7.5	1029.9	920.2	12.6	5069.7
31/12/2019 18:26	5.5	7.5	1030.2	920.2	12.6	5069.7
31/12/2019 18:41	5.5	7.5	1029.9	920.1	12.6	5070.2
31/12/2019 18:56	5.5	7.5	1030.1	920.1	12.6	5070.2

31/12/2019 19:11	5.5	7.5	1030.2	920.1	12.6	5070.2
31/12/2019 19:26	5.5	7.5	1029.9	920.1	12.6	5070.2
31/12/2019 19:41	5.5	7.5	1030.1	920.1	12.6	5070.2
31/12/2019 19:56	5.5	7.5	1030.1	920.1	12.6	5070.2
31/12/2019 20:11	5.5	7.4	1030.2	920.2	12.6	5069.7
31/12/2019 20:26	5.5	7.5	1029.8	920.2	12.6	5069.7
31/12/2019 20:41	5.5	7.5	1029.6	920.3	12.6	5069.3
31/12/2019 20:56	5.5	7.5	1029.8	920.3	12.6	5069.3
31/12/2019 21:11	5.5	7.5	1029.3	920.4	12.6	5068.8
31/12/2019 21:26	5.5	7.4	1030	920.4	12.6	5068.8
31/12/2019 21:41	5.5	7.3	1029.6	920.4	12.6	5068.8
31/12/2019 21:56	5.5	7.3	1030.1	920.5	12.6	5068.4
31/12/2019 22:11	5.5	7.3	1029.8	920.4	12.6	5068.8
31/12/2019 22:26	5.5	7	1029.7	920.5	12.6	5068.4
31/12/2019 22:41	5.5	6.8	1029.7	920.5	12.6	5068.4
31/12/2019 22:56	5.5	6.6	1029.7	920.6	12.6	5067.9
31/12/2019 23:11	5.5	6.7	1029.5	920.6	12.6	5067.9
31/12/2019 23:26	5.5	6.7	1029.2	920.6	12.6	5067.9
31/12/2019 23:41	5.5	6.8	1029.3	920.7	12.6	5067.5
31/12/2019 23:56	5.5	6.9	1029.3	920.7	12.6	5067.5
01/01/2020 00:11	5.5	7	1028.9	920.7	12.6	5067.5
01/01/2020 00:26	5.5	7	1028.8	920.7	12.6	5067.5
01/01/2020 00:41	5.5	7.1	1028.7	920.7	12.6	5067.5
01/01/2020 00:56	5.5	7.1	1028.4	920.7	12.6	5067.5
01/01/2020 01:11	5.5	7.1	1028.1	920.7	12.6	5067.5
01/01/2020 01:26	5.5	7.1	1028.2	920.7	12.6	5067.5
01/01/2020 01:41	5.5	7.1	1028.1	920.7	12.6	5067.5
01/01/2020 01:56	5.5	7.1	1028	920.7	12.6	5067.5
01/01/2020 02:11	5.5	7.1	1027.8	920.7	12.6	5067.5
01/01/2020 02:26	5.5	7.1	1027.8	920.6	12.6	5067.9
01/01/2020 02:41	5.5	7.1	1027.4	920.6	12.6	5067.9
01/01/2020 02:56	5.5	7.1	1027.5	920.6	12.6	5067.9
01/01/2020 03:11	5.5	7.1	1027.2	920.6	12.6	5067.9
01/01/2020 03:26	5.5	7	1026.8	920.5	12.6	5068.4
01/01/2020 03:41	5.5	6.9	1027.3	920.6	12.6	5067.9
01/01/2020 03:56	5.5	6.9	1027.1	920.5	12.6	5068.4
01/01/2020 04:11	5.5	6.9	1027	920.4	12.6	5068.8
01/01/2020 04:26	5.5	6.8	1027	920.3	12.6	5069.3
01/01/2020 04:41	5.5	6.7	1026.9	920.3	12.6	5069.3
01/01/2020 04:56	5.5	6.6	1027	920.1	12.6	5070.2
01/01/2020 05:11	5.5	6.6	1026.9	920.1	12.6	5070.2
01/01/2020 05:26	5.5	6.7	1026.8	920.1	12.6	5070.2
01/01/2020 05:41	5.5	6.8	1026.9	920	12.6	5070.6
01/01/2020 05:56	5.5	6.8	1026.6	920	12.6	5070.6
01/01/2020 06:11	5.5	6.8	1026.4	920	12.6	5070.6
01/01/2020 06:26	5.5	6.8	1026.5	920	12.6	5070.6
01/01/2020 06:41	5.5	6.8	1026.6	919.9	12.6	5071.1
01/01/2020 06:56	5.5	6.8	1026.5	919.9	12.6	5071.1
01/01/2020 07:11	5.5	6.8	1026.5	919.9	12.6	5071.1
01/01/2020 07:26	5.5	6.8	1027	919.8	12.6	5071.5

01/01/2020 07:41	5.5	6.7	1026.7	919.9	12.6	5071.1
01/01/2020 07:56	5.5	6.5	1026.6	919.9	12.6	5071.1
01/01/2020 08:11	5.5	6.3	1027.1	919.9	12.6	5071.1
01/01/2020 08:26	5.5	6.2	1027.1	919.9	12.6	5071.1
01/01/2020 08:41	5.5	6.2	1027	919.9	12.6	5071.1
01/01/2020 08:56	5.5	6.3	1027	919.9	12.6	5071.1
01/01/2020 09:11	5.5	6.5	1027.1	920	12.6	5070.6
01/01/2020 09:26	5.5	6.7	1027	919.9	12.6	5071.1
01/01/2020 09:41	5.5	7	1027	920	12.6	5070.6
01/01/2020 09:56	5.5	7.2	1027.3	920.1	12.6	5070.2
01/01/2020 10:11	5.5	7.8	1027.2	920.1	12.6	5070.2
01/01/2020 10:26	5.5	8.6	1026.9	920.1	12.6	5070.2
01/01/2020 10:41	5.5	9	1026.5	920.1	12.6	5070.2
01/01/2020 10:56	5.4	9.6	1026.8	920.2	12.6	5069.7
01/01/2020 11:11	5.4	10.1	1026.4	920.2	12.6	5069.7
01/01/2020 11:26	5.4	10.3	1026.5	920.2	12.6	5069.7
01/01/2020 11:41	5.5	9.9	1026.4	920.3	12.6	5069.3
01/01/2020 11:56	5.5	9.6	1025.8	920.3	12.6	5069.3
01/01/2020 12:11	5.4	9.8	1025.3	920.3	12.6	5069.3
01/01/2020 12:26	5.4	9.6	1025.3	920.4	12.6	5068.8
01/01/2020 12:41	5.4	9.7	1024.8	920.5	12.6	5068.4
01/01/2020 12:56	5.4	9.4	1025.2	920.5	12.6	5068.4
01/01/2020 13:11	5.5	9	1025.5	920.5	12.6	5068.4
01/01/2020 13:26	5.5	8.6	1025.3	920.5	12.6	5068.4
01/01/2020 13:41	5.5	8.3	1025	920.6	12.6	5067.9
01/01/2020 13:56	5.5	8	1025.3	920.6	12.6	5067.9
01/01/2020 14:11	5.5	7.7	1025	920.5	12.6	5068.4
01/01/2020 14:26	5.5	7.5	1025	920.6	12.6	5067.9
01/01/2020 14:41	5.5	7.3	1025.2	920.6	12.6	5067.9
01/01/2020 14:56	5.5	7	1025.3	920.7	12.6	5067.5
01/01/2020 15:11	5.5	6.7	1025.3	920.6	12.6	5067.9
01/01/2020 15:26	5.5	6.5	1025.2	920.6	12.6	5067.9
01/01/2020 15:41	5.5	6.3	1025	920.6	12.6	5067.9
01/01/2020 15:56	5.5	6	1025.3	920.5	12.6	5068.4
01/01/2020 16:11	5.5	5.8	1025.2	920.5	12.6	5068.4
01/01/2020 16:26	5.5	5.6	1025.3	920.4	12.6	5068.8
01/01/2020 16:41	5.5	5.4	1025.3	920.3	12.6	5069.3
01/01/2020 16:56	5.5	5.3	1024.9	920.3	12.6	5069.3
01/01/2020 17:11	5.5	5.2	1025.3	920.3	12.6	5069.3
01/01/2020 17:26	5.5	5.2	1024.9	920.2	12.6	5069.7
01/01/2020 17:41	5.5	5.1	1025	920.2	12.6	5069.7
01/01/2020 17:56	5.5	5.2	1025.2	920.2	12.6	5069.7
01/01/2020 18:11	5.5	5.1	1025.4	920.1	12.6	5070.2
01/01/2020 18:26	5.5	5.1	1025.4	920.1	12.6	5070.2
01/01/2020 18:41	5.5	5	1025.7	920.1	12.6	5070.2
01/01/2020 18:56	5.5	4.9	1025.1	920.1	12.6	5070.2
01/01/2020 19:11	5.5	4.9	1025.5	920	12.6	5070.6
01/01/2020 19:26	5.5	4.8	1025.4	920	12.6	5070.6
01/01/2020 19:41	5.5	4.7	1025.2	919.9	12.6	5071.1
01/01/2020 19:56	5.5	4.7	1025	920	12.6	5070.6

01/01/2020 20:11	5.5	4.6	1025	920	12.6	5070.6
01/01/2020 20:26	5.5	4.7	1024.9	920	12.6	5070.6
01/01/2020 20:41	5.5	4.7	1024.8	920	12.6	5070.6
01/01/2020 20:56	5.5	4.7	1024.3	920.1	12.6	5070.2
01/01/2020 21:11	5.5	4.8	1024.6	920.1	12.6	5070.2
01/01/2020 21:26	5.5	4.8	1024.6	920.1	12.6	5070.2
01/01/2020 21:41	5.5	4.9	1024.4	920.1	12.6	5070.2
01/01/2020 21:56	5.5	4.9	1024.5	920.2	12.6	5069.7
01/01/2020 22:11	5.5	5	1024.5	920.2	12.6	5069.7
01/01/2020 22:26	5.5	5.1	1024.3	920.3	12.6	5069.3
01/01/2020 22:41	5.5	5.1	1024.4	920.3	12.6	5069.3
01/01/2020 22:56	5.5	5.2	1023.8	920.3	12.6	5069.3
01/01/2020 23:11	5.5	5.2	1023.8	920.4	12.6	5068.8
01/01/2020 23:26	5.5	5.2	1023.7	920.3	12.6	5069.3
01/01/2020 23:41	5.5	5.3	1023.4	920.3	12.6	5069.3
01/01/2020 23:56	5.5	5.3	1023.5	920.4	12.6	5068.8
02/01/2020 00:11	5.5	5.3	1023.2	920.5	12.6	5068.4
02/01/2020 00:26	5.5	5.3	1023.1	920.5	12.6	5068.4
02/01/2020 00:41	5.5	5.3	1023.1	920.5	12.6	5068.4
02/01/2020 00:56	5.5	5.3	1022.8	920.5	12.6	5068.4
02/01/2020 01:11	5.5	5.4	1022.7	920.5	12.6	5068.4
02/01/2020 01:26	5.5	5.4	1022.7	920.6	12.6	5067.9
02/01/2020 01:41	5.5	5.4	1022.5	920.6	12.6	5067.9
02/01/2020 01:56	5.5	5.4	1022.6	920.6	12.6	5067.9
02/01/2020 02:11	5.5	5.4	1022.7	920.5	12.6	5068.4
02/01/2020 02:26	5.5	5.4	1022.2	920.5	12.6	5068.4
02/01/2020 02:41	5.5	5.4	1022.1	920.5	12.6	5068.4
02/01/2020 02:56	5.5	5.5	1021.9	920.5	12.6	5068.4
02/01/2020 03:11	5.5	5.5	1021.8	920.4	12.6	5068.8
02/01/2020 03:26	5.5	5.6	1021.7	920.4	12.6	5068.8
02/01/2020 03:41	5.5	5.7	1021.6	920.4	12.6	5068.8
02/01/2020 03:56	5.5	5.8	1021.7	920.4	12.6	5068.8
02/01/2020 04:11	5.5	5.9	1021.3	920.3	12.6	5069.3
02/01/2020 04:26	5.5	6	1021.2	920.3	12.6	5069.3
02/01/2020 04:41	5.5	6.1	1021.1	920.1	12.6	5070.2
02/01/2020 04:56	5.5	6.1	1020.8	920.1	12.6	5070.2
02/01/2020 05:11	5.5	6.2	1020.7	920.1	12.6	5070.2
02/01/2020 05:26	5.5	6.3	1020.3	919.9	12.6	5071.1
02/01/2020 05:41	5.5	6.4	1020.6	920	12.6	5070.6
02/01/2020 05:56	5.5	6.4	1020.3	919.9	12.6	5071.1
02/01/2020 06:11	5.5	6.6	1020	919.9	12.6	5071.1
02/01/2020 06:26	5.5	6.8	1020.2	919.8	12.6	5071.5
02/01/2020 06:41	5.5	6.9	1020	919.8	12.6	5071.5
02/01/2020 06:56	5.5	7.1	1019.7	919.8	12.6	5071.5
02/01/2020 07:11	5.5	7.2	1019.4	919.8	12.6	5071.5
02/01/2020 07:26	5.5	7.3	1019.7	919.8	12.6	5072
02/01/2020 07:41	5.5	7.4	1019.8	919.8	12.6	5072
02/01/2020 07:56	5.5	7.5	1019.6	919.8	12.6	5072
02/01/2020 08:11	5.5	7.7	1019.3	919.8	12.6	5071.5
02/01/2020 08:26	5.5	7.8	1019.4	919.8	12.6	5072

02/01/2020 08:41	5.5	7.9	1019.3	919.8	12.6	5072
02/01/2020 08:56	5.5	8	1019.2	919.8	12.6	5072
02/01/2020 09:11	5.5	8.1	1019.2	919.8	12.6	5072
02/01/2020 09:26	5.5	8.3	1018.9	919.8	12.6	5072
02/01/2020 09:41	5.5	8.4	1019	919.8	12.6	5072
02/01/2020 09:56	5.5	8.5	1018.7	919.8	12.6	5072
02/01/2020 10:11	5.5	8.6	1018.7	919.8	12.6	5072
02/01/2020 10:26	5.5	8.7	1018.1	919.8	12.6	5072
02/01/2020 10:41	5.5	8.9	1018.1	919.8	12.6	5071.5
02/01/2020 10:56	5.5	9.1	1017.8	919.8	12.6	5072
02/01/2020 11:11	5.5	9.2	1017.6	919.8	12.6	5072
02/01/2020 11:26	5.4	9.3	1017.4	919.8	12.6	5071.5
02/01/2020 11:41	5.4	9.4	1017.2	919.8	12.6	5071.5
02/01/2020 11:56	5.4	9.5	1016.6	919.8	12.6	5071.5
02/01/2020 12:11	5.4	9.5	1016.4	919.9	12.6	5071.1
02/01/2020 12:26	5.4	9.5	1016.3	919.9	12.6	5071.1
02/01/2020 12:41	5.4	9.5	1016	919.9	12.6	5071.1
02/01/2020 12:56	5.4	9.5	1015.5	919.8	12.6	5071.5
02/01/2020 13:11	5.4	9.4	1015.4	919.9	12.6	5071.1
02/01/2020 13:26	5.4	9.3	1015.1	919.9	12.6	5071.1
02/01/2020 13:41	5.4	9.2	1015	919.9	12.6	5071.1
02/01/2020 13:56	5.4	9.1	1014.7	920	12.6	5070.6
02/01/2020 14:11	5.4	9.1	1014.6	919.9	12.6	5071.1
02/01/2020 14:26	5.4	9.2	1014.6	919.9	12.6	5071.1
02/01/2020 14:41	5.4	9.2	1014.3	920.1	12.6	5070.2
02/01/2020 14:56	5.4	9.2	1013.8	920	12.6	5070.6
02/01/2020 15:11	5.4	9.2	1013.7	920	12.6	5070.6
02/01/2020 15:26	5.4	9.2	1013.7	920	12.6	5070.6
02/01/2020 15:41	5.4	9.1	1013.8	920	12.6	5070.6
02/01/2020 15:56	5.4	9.1	1013.5	920	12.6	5070.6
02/01/2020 16:11	5.4	9.1	1013.2	920	12.6	5070.6
02/01/2020 16:26	5.4	9.1	1013	919.9	12.6	5071.1
02/01/2020 16:41	5.4	9.1	1013	919.9	12.6	5071.1
02/01/2020 16:56	5.4	9.2	1013	919.9	12.6	5071.1
02/01/2020 17:11	5.4	9.3	1012.8	919.8	12.6	5071.5
02/01/2020 17:26	5.4	9.3	1012.7	919.8	12.6	5071.5
02/01/2020 17:41	5.4	9.3	1012.3	919.8	12.6	5071.5
02/01/2020 17:56	5.4	9.3	1012.3	919.8	12.6	5072
02/01/2020 18:11	5.4	9.3	1012.3	919.8	12.6	5072
02/01/2020 18:26	5.4	9.3	1012.3	919.8	12.6	5072
02/01/2020 18:41	5.4	9.3	1012.3	919.8	12.6	5072
02/01/2020 18:56	5.4	9.3	1012.1	919.8	12.6	5071.5
02/01/2020 19:11	5.4	9.3	1011.9	919.8	12.6	5072
02/01/2020 19:26	5.4	9.4	1012	919.8	12.6	5072
02/01/2020 19:41	5.4	9.4	1011.8	919.8	12.6	5072
02/01/2020 19:56	5.4	9.3	1011.7	919.8	12.6	5072
02/01/2020 20:11	5.4	9.4	1011.7	919.8	12.6	5072
02/01/2020 20:26	5.4	9.4	1011.8	919.8	12.6	5072
02/01/2020 20:41	5.4	9.4	1011.6	919.8	12.6	5072
02/01/2020 20:56	5.4	9.4	1011.4	919.8	12.6	5072

02/01/2020 21:11	5.4	9.3	1011.5	919.8	12.6	5072
02/01/2020 21:26	5.4	9.2	1011.3	919.8	12.6	5072
02/01/2020 21:41	5.4	9.1	1011	919.8	12.6	5072
02/01/2020 21:56	5.4	9.1	1011.2	919.8	12.6	5072
02/01/2020 22:11	5.4	9.1	1010.8	919.8	12.6	5072
02/01/2020 22:26	5.4	9.3	1010.9	919.8	12.6	5072
02/01/2020 22:41	5.4	9.4	1010.5	919.8	12.6	5072
02/01/2020 22:56	5.4	9.5	1010.8	919.8	12.6	5072
02/01/2020 23:11	5.4	9.6	1011.1	919.8	12.6	5072
02/01/2020 23:26	5.4	9.7	1010.8	919.8	12.6	5071.5
02/01/2020 23:41	5.4	9.7	1010.3	919.8	12.6	5072
02/01/2020 23:56	5.4	9.7	1010.3	919.8	12.6	5071.5
03/01/2020 00:11	5.4	9.7	1010.1	919.8	12.6	5071.5
03/01/2020 00:26	5.4	9.7	1010.3	919.8	12.6	5071.5
03/01/2020 00:41	5.4	9.7	1010	919.8	12.6	5071.5
03/01/2020 00:56	5.4	9.7	1009.9	919.8	12.6	5071.5
03/01/2020 01:11	5.4	9.7	1009.7	919.9	12.6	5071.1
03/01/2020 01:26	5.4	9.7	1009.8	919.9	12.6	5071.1
03/01/2020 01:41	5.4	9.7	1009.4	919.9	12.6	5071.1
03/01/2020 01:56	5.4	9.7	1009.4	919.9	12.6	5071.1
03/01/2020 02:11	5.4	9.8	1009.5	919.9	12.6	5071.1
03/01/2020 02:26	5.4	9.8	1008.5	919.9	12.6	5071.1
03/01/2020 02:41	5.4	9.8	1008.8	919.9	12.6	5071.1
03/01/2020 02:56	5.4	9.9	1008.7	919.9	12.6	5071.1
03/01/2020 03:11	5.4	9.9	1008.3	919.9	12.6	5071.1
03/01/2020 03:26	5.4	9.9	1008.6	919.9	12.6	5071.1
03/01/2020 03:41	5.4	9.8	1008.5	919.9	12.6	5071.1
03/01/2020 03:56	5.4	9.9	1008.5	919.9	12.6	5071.1
03/01/2020 04:11	5.4	9.9	1008.2	919.9	12.6	5071.1
03/01/2020 04:26	5.4	9.8	1008.1	919.9	12.6	5071.1
03/01/2020 04:41	5.4	9.8	1007.9	919.9	12.6	5071.1
03/01/2020 04:56	5.4	9.8	1007.9	919.9	12.6	5071.1
03/01/2020 05:11	5.4	9.9	1007.9	919.9	12.6	5071.1
03/01/2020 05:26	5.4	9.9	1007.6	919.8	12.6	5072
03/01/2020 05:41	5.4	9.8	1007.6	919.8	12.6	5071.5
03/01/2020 05:56	5.4	9.8	1007.5	919.8	12.6	5072
03/01/2020 06:11	5.4	9.8	1007.1	919.8	12.6	5072
03/01/2020 06:26	5.4	9.9	1007.4	919.8	12.6	5072
03/01/2020 06:41	5.4	9.9	1007.8	919.8	12.6	5072
03/01/2020 06:56	5.4	10	1007.9	919.8	12.6	5072
03/01/2020 07:11	5.4	10.1	1008.1	919.8	12.6	5072
03/01/2020 07:26	5.4	10.1	1008.6	919.8	12.6	5072
03/01/2020 07:41	5.4	10.1	1008.6	919.8	12.6	5072
03/01/2020 07:56	5.4	10.1	1009.4	919.8	12.6	5072
03/01/2020 08:11	5.4	10.2	1009.5	919.8	12.6	5072
03/01/2020 08:26	5.4	10.2	1009.7	919.8	12.6	5072
03/01/2020 08:41	5.4	10.2	1010	919.8	12.6	5072
03/01/2020 08:56	5.4	10.2	1010.1	919.8	12.6	5072
03/01/2020 09:11	5.4	10.1	1010.4	919.8	12.6	5072
03/01/2020 09:26	5.4	10.1	1010.5	919.8	12.6	5072

03/01/2020 09:41	5.4	10.3	1010.8	919.8	12.6	5072
03/01/2020 09:56	5.4	10.3	1011.4	919.8	12.6	5072
03/01/2020 10:11	5.4	10.3	1011.5	919.8	12.6	5072
03/01/2020 10:26	5.4	10.5	1012.1	919.8	12.6	5072
03/01/2020 10:41	5.4	10.4	1012.3	919.8	12.6	5071.5
03/01/2020 10:56	5.4	10.2	1012.9	919.8	12.6	5071.5
03/01/2020 11:11	5.4	9.9	1013.6	919.9	12.6	5071.1
03/01/2020 11:26	5.4	9.5	1014	919.9	12.6	5071.1
03/01/2020 11:41	5.4	8.9	1014.5	919.9	12.6	5071.1
03/01/2020 11:56	5.4	8.6	1015	920	12.6	5070.6
03/01/2020 12:11	5.4	8.5	1015.5	920.1	12.6	5070.2
03/01/2020 12:26	5.4	8.4	1016.1	920.1	12.6	5070.2
03/01/2020 12:41	5.4	8.6	1016.2	920.1	12.6	5070.2
03/01/2020 12:56	5.4	8.6	1016.5	920.3	12.6	5069.3
03/01/2020 13:11	5.4	9.1	1017	920.3	12.6	5069.3
03/01/2020 13:26	5.4	9.7	1017.1	920.3	12.6	5069.3
03/01/2020 13:41	5.4	9.4	1017.7	920.4	12.6	5068.8
03/01/2020 13:56	5.4	9.7	1017.8	920.4	12.6	5068.8
03/01/2020 14:11	5.4	9.9	1018	920.5	12.6	5068.4
03/01/2020 14:26	5.4	9.2	1018.7	920.5	12.6	5068.4
03/01/2020 14:41	5.4	8.6	1018.9	920.7	12.6	5067.5
03/01/2020 14:56	5.4	8.2	1019.3	920.7	12.6	5067.5
03/01/2020 15:11	5.4	8.1	1019.7	920.7	12.6	5067.5
03/01/2020 15:26	5.4	7.8	1020.2	920.7	12.6	5067.5
03/01/2020 15:41	5.5	7.4	1020.7	920.7	12.6	5067.5
03/01/2020 15:56	5.5	7	1021	920.8	12.6	5067
03/01/2020 16:11	5.5	6.5	1021.4	920.7	12.6	5067.5
03/01/2020 16:26	5.5	6.1	1021.5	920.7	12.6	5067.5
03/01/2020 16:41	5.5	5.7	1021.8	920.8	12.6	5067
03/01/2020 16:56	5.5	5.5	1022.1	920.7	12.6	5067.5
03/01/2020 17:11	5.5	5.2	1022.6	920.7	12.6	5067.5
03/01/2020 17:26	5.5	4.9	1022.5	920.7	12.6	5067.5
03/01/2020 17:41	5.5	4.6	1023.2	920.7	12.6	5067.5
03/01/2020 17:56	5.5	4.2	1023.5	920.6	12.6	5067.9
03/01/2020 18:11	5.5	3.9	1023.9	920.7	12.6	5067.5
03/01/2020 18:26	5.5	3.7	1023.9	920.6	12.6	5067.9
03/01/2020 18:41	5.5	3.6	1024.2	920.6	12.6	5067.9
03/01/2020 18:56	5.5	3.6	1024.3	920.5	12.6	5068.4
03/01/2020 19:11	5.5	3.7	1024.9	920.5	12.6	5068.4
03/01/2020 19:26	5.5	3.8	1024.8	920.5	12.6	5068.4
03/01/2020 19:41	5.5	3.8	1024.8	920.5	12.6	5068.4
03/01/2020 19:56	5.5	3.9	1025.1	920.4	12.6	5068.8
03/01/2020 20:11	5.5	4	1025.1	920.4	12.6	5068.8
03/01/2020 20:26	5.5	4	1025.2	920.4	12.6	5068.8
03/01/2020 20:41	5.5	4.1	1025.4	920.4	12.6	5068.8
03/01/2020 20:56	5.5	4.3	1025.7	920.3	12.6	5069.3
03/01/2020 21:11	5.5	4.6	1025.5	920.3	12.6	5069.3
03/01/2020 21:26	5.5	4.7	1025.7	920.3	12.6	5069.3
03/01/2020 21:41	5.5	4.7	1025.9	920.3	12.6	5069.3
03/01/2020 21:56	5.5	4.7	1026.1	920.3	12.6	5069.3

03/01/2020 22:11	5.5	4.7	1025.6	920.3	12.6	5069.3
03/01/2020 22:26	5.5	4.7	1025.9	920.3	12.6	5069.3
03/01/2020 22:41	5.5	4.7	1026.1	920.3	12.6	5069.3
03/01/2020 22:56	5.5	4.6	1026.3	920.3	12.6	5069.3
03/01/2020 23:11	5.5	4.6	1026.4	920.4	12.6	5068.8
03/01/2020 23:26	5.5	4.6	1026.4	920.5	12.6	5068.4
03/01/2020 23:41	5.5	4.6	1026.8	920.5	12.6	5068.4
03/01/2020 23:56	5.5	4.6	1026.7	920.5	12.6	5068.4
04/01/2020 00:11	5.5	4.6	1026.2	920.5	12.6	5068.4
04/01/2020 00:26	5.5	4.6	1026.6	920.5	12.6	5068.4
04/01/2020 00:41	5.5	4.5	1026.4	920.5	12.6	5068.4
04/01/2020 00:56	5.5	4.4	1026.4	920.6	12.6	5067.9
04/01/2020 01:11	5.5	4.4	1026.6	920.6	12.6	5067.9
04/01/2020 01:26	5.5	4.3	1026.8	920.6	12.6	5067.9
04/01/2020 01:41	5.5	4.3	1026.5	920.7	12.6	5067.5
04/01/2020 01:56	5.5	4.1	1026.8	920.7	12.6	5067.5
04/01/2020 02:11	5.5	4	1026.8	920.7	12.6	5067.5
04/01/2020 02:26	5.5	3.8	1026.7	920.8	12.6	5067
04/01/2020 02:41	5.5	3.7	1027	920.8	12.6	5067
04/01/2020 02:56	5.5	3.6	1026.9	920.8	12.6	5067
04/01/2020 03:11	5.5	3.6	1026.8	920.9	12.6	5066.6
04/01/2020 03:26	5.5	3.7	1026.4	920.8	12.6	5067
04/01/2020 03:41	5.5	4	1026.6	920.7	12.6	5067.5
04/01/2020 03:56	5.5	4.2	1026.8	920.8	12.6	5067
04/01/2020 04:11	5.5	4.4	1026.6	920.8	12.6	5067
04/01/2020 04:26	5.5	4.4	1026.2	920.8	12.6	5067
04/01/2020 04:41	5.5	4.5	1026.5	920.8	12.6	5067
04/01/2020 04:56	5.5	4.5	1026.6	920.7	12.6	5067.5
04/01/2020 05:11	5.5	4.5	1026.3	920.7	12.6	5067.5
04/01/2020 05:26	5.5	4.5	1026.7	920.7	12.6	5067.5
04/01/2020 05:41	5.5	4.6	1026.8	920.7	12.6	5067.5
04/01/2020 05:56	5.5	4.8	1026.6	920.6	12.6	5067.9
04/01/2020 06:11	5.5	5	1026.6	920.6	12.6	5067.9
04/01/2020 06:26	5.5	5.1	1026.8	920.5	12.6	5068.4
04/01/2020 06:41	5.5	5.2	1027.2	920.5	12.6	5068.4
04/01/2020 06:56	5.5	5.2	1026.9	920.5	12.6	5068.4
04/01/2020 07:11	5.5	5.2	1026.7	920.5	12.6	5068.4
04/01/2020 07:26	5.5	4.9	1027	920.4	12.6	5068.8
04/01/2020 07:41	5.5	4.7	1026.7	920.4	12.6	5068.8
04/01/2020 07:56	5.5	4.5	1026.9	920.3	12.6	5069.3
04/01/2020 08:11	5.5	4.4	1026.8	920.3	12.6	5069.3
04/01/2020 08:26	5.5	4.4	1027	920.3	12.6	5069.3
04/01/2020 08:41	5.5	4.5	1027.2	920.2	12.6	5069.7
04/01/2020 08:56	5.5	5.3	1027.3	920.2	12.6	5069.7
04/01/2020 09:11	5.5	6.5	1027	920.2	12.6	5069.7
04/01/2020 09:26	5.5	7.4	1027.3	920.1	12.6	5070.2
04/01/2020 09:41	5.5	8.1	1027.4	920.1	12.6	5070.2
04/01/2020 09:56	5.4	8.7	1027.5	920.1	12.6	5070.2
04/01/2020 10:11	5.4	9.3	1027.5	920.1	12.6	5070.2
04/01/2020 10:26	5.4	9.4	1027.3	920.1	12.6	5070.2

04/01/2020 10:41	5.4	9.1	1027.3	920.1	12.6	5070.2
04/01/2020 10:56	5.4	9.3	1027.5	920.1	12.6	5070.2
04/01/2020 11:11	5.4	9.6	1027.5	920.1	12.6	5070.2
04/01/2020 11:26	5.4	10.1	1027.4	920.1	12.6	5070.2
04/01/2020 11:41	5.4	11.1	1027.2	920.2	12.6	5069.7
04/01/2020 11:56	5.4	12.1	1027	920.1	12.6	5070.2
04/01/2020 12:11	5.4	12.7	1027.2	920.2	12.6	5069.7
04/01/2020 12:26	5.4	13.1	1026.8	920.2	12.6	5069.7
04/01/2020 12:41	5.4	13	1027	920.2	12.6	5069.7
04/01/2020 12:56	5.4	13.4	1027.2	920.3	12.6	5069.3
04/01/2020 13:11	5.4	13.5	1027.4	920.4	12.6	5068.8
04/01/2020 13:26	5.4	13.6	1027.2	920.4	12.6	5068.8
04/01/2020 13:41	5.4	13.5	1027.5	920.4	12.6	5068.8
04/01/2020 13:56	5.4	13.5	1027.9	920.5	12.6	5068.4
04/01/2020 14:11	5.4	13.3	1027.8	920.5	12.6	5068.4
04/01/2020 14:26	5.4	13	1027.9	920.6	12.6	5067.9
04/01/2020 14:41	5.4	12.2	1028	920.7	12.6	5067.5
04/01/2020 14:56	5.4	11.6	1028.2	920.7	12.6	5067.5
04/01/2020 15:11	5.4	11	1028.1	920.7	12.6	5067.5
04/01/2020 15:26	5.4	10.3	1028.7	920.7	12.6	5067.5
04/01/2020 15:41	5.4	9.3	1028.5	920.7	12.6	5067.5
04/01/2020 15:56	5.4	8.5	1028.7	920.7	12.6	5067.5
04/01/2020 16:11	5.4	7.9	1029.3	920.8	12.6	5067
04/01/2020 16:26	5.4	7.5	1029.1	920.9	12.6	5066.6
04/01/2020 16:41	5.4	7.2	1029.3	920.8	12.6	5067
04/01/2020 16:56	5.4	6.8	1029.7	920.9	12.6	5066.6
04/01/2020 17:11	5.4	6.4	1029.5	920.9	12.6	5066.6
04/01/2020 17:26	5.5	6.1	1029.5	920.9	12.6	5066.6
04/01/2020 17:41	5.5	5.8	1029.9	920.9	12.6	5066.6
04/01/2020 17:56	5.5	5.7	1029.6	920.8	12.6	5067
04/01/2020 18:11	5.5	5.5	1030	920.8	12.6	5067
04/01/2020 18:26	5.5	5.5	1030.1	920.8	12.6	5067
04/01/2020 18:41	5.5	5.4	1030	920.7	12.6	5067.5
04/01/2020 18:56	5.5	5.4	1030.3	920.7	12.6	5067.5
04/01/2020 19:11	5.5	5.3	1030.5	920.7	12.6	5067.5
04/01/2020 19:26	5.5	5.4	1030.4	920.7	12.6	5067.5
04/01/2020 19:41	5.5	5.4	1030.3	920.6	12.6	5067.9
04/01/2020 19:56	5.5	5.4	1030.6	920.6	12.6	5067.9
04/01/2020 20:11	5.5	5.4	1030.7	920.5	12.6	5068.4
04/01/2020 20:26	5.5	5.2	1030.5	920.5	12.6	5068.4
04/01/2020 20:41	5.5	5	1030.6	920.5	12.6	5068.4
04/01/2020 20:56	5.5	4.7	1030.5	920.4	12.6	5068.8
04/01/2020 21:11	5.5	4.4	1030.5	920.4	12.6	5068.8
04/01/2020 21:26	5.5	4.2	1030.5	920.3	12.6	5069.3
04/01/2020 21:41	5.5	4	1030.5	920.3	12.6	5069.3
04/01/2020 21:56	5.5	3.8	1030.5	920.3	12.6	5069.3
04/01/2020 22:11	5.5	3.6	1030.6	920.3	12.6	5069.3
04/01/2020 22:26	5.5	3.6	1030.4	920.3	12.6	5069.3
04/01/2020 22:41	5.5	3.8	1030.5	920.4	12.6	5068.8
04/01/2020 22:56	5.5	4	1030.7	920.3	12.6	5069.3

04/01/2020 23:11	5.5	4.2	1030.5	920.3	12.6	5069.3
04/01/2020 23:26	5.5	4.5	1030.5	920.3	12.6	5069.3
04/01/2020 23:41	5.5	4.7	1030.7	920.3	12.6	5069.3
04/01/2020 23:56	5.5	4.9	1030.6	920.4	12.6	5068.8
05/01/2020 00:11	5.5	5.1	1030.3	920.4	12.6	5068.8
05/01/2020 00:26	5.5	5.3	1030.5	920.3	12.6	5069.3
05/01/2020 00:41	5.5	5.5	1030.5	920.4	12.6	5068.8
05/01/2020 00:56	5.5	5.6	1030.2	920.4	12.6	5068.8
05/01/2020 01:11	5.5	5.7	1030.5	920.5	12.6	5068.4
05/01/2020 01:26	5.5	5.8	1030.4	920.5	12.6	5068.4
05/01/2020 01:41	5.5	5.9	1030.3	920.5	12.6	5068.4
05/01/2020 01:56	5.5	6	1030.6	920.5	12.6	5068.4
05/01/2020 02:11	5.5	6.1	1030.7	920.6	12.6	5067.9
05/01/2020 02:26	5.5	6.1	1030.7	920.6	12.6	5067.9
05/01/2020 02:41	5.5	6.2	1030.8	920.6	12.6	5067.9
05/01/2020 02:56	5.5	6.2	1030.7	920.7	12.6	5067.5
05/01/2020 03:11	5.5	6.2	1030.9	920.7	12.6	5067.5
05/01/2020 03:26	5.5	6.3	1030.4	920.7	12.6	5067.5
05/01/2020 03:41	5.5	6.3	1030.4	920.7	12.6	5067.5
05/01/2020 03:56	5.5	6.4	1030.1	920.8	12.6	5067
05/01/2020 04:11	5.5	6.4	1030	920.8	12.6	5067
05/01/2020 04:26	5.5	6.5	1029.9	920.8	12.6	5067
05/01/2020 04:41	5.5	6.5	1030	920.7	12.6	5067.5
05/01/2020 04:56	5.5	6.5	1030	920.7	12.6	5067.5
05/01/2020 05:11	5.5	6.6	1030	920.7	12.6	5067.5
05/01/2020 05:26	5.5	6.6	1029.8	920.8	12.6	5067
05/01/2020 05:41	5.5	6.6	1029.9	920.7	12.6	5067.5
05/01/2020 05:56	5.5	6.6	1029.7	920.7	12.6	5067.5
05/01/2020 06:11	5.5	6.7	1030	920.7	12.6	5067.5
05/01/2020 06:26	5.5	6.7	1029.7	920.7	12.6	5067.5
05/01/2020 06:41	5.5	6.7	1029.6	920.7	12.6	5067.5
05/01/2020 06:56	5.5	6.7	1029.3	920.6	12.6	5067.9
05/01/2020 07:11	5.5	6.8	1029.4	920.6	12.6	5067.9
05/01/2020 07:26	5.5	6.8	1029.5	920.5	12.6	5068.4
05/01/2020 07:41	5.5	6.8	1029.5	920.5	12.6	5068.4
05/01/2020 07:56	5.5	6.9	1029.7	920.5	12.6	5068.4
05/01/2020 08:11	5.5	6.9	1029.7	920.5	12.6	5068.4
05/01/2020 08:26	5.5	7.1	1029.8	920.4	12.6	5068.8
05/01/2020 08:41	5.5	7.1	1029.6	920.5	12.6	5068.4
05/01/2020 08:56	5.5	7.2	1029.8	920.3	12.6	5069.3
05/01/2020 09:11	5.5	7.2	1029.9	920.3	12.6	5069.3
05/01/2020 09:26	5.5	7.3	1029.6	920.3	12.6	5069.3
05/01/2020 09:41	5.5	7.4	1029.7	920.3	12.6	5069.3
05/01/2020 09:56	5.5	7.5	1030	920.2	12.6	5069.7
05/01/2020 10:11	5.5	7.5	1029.6	920.2	12.6	5069.7
05/01/2020 10:26	5.5	7.6	1029.7	920.1	12.6	5070.2
05/01/2020 10:41	5.5	7.6	1029.4	920.1	12.6	5070.2
05/01/2020 10:56	5.5	7.7	1029.8	920.1	12.6	5070.2
05/01/2020 11:11	5.5	7.7	1029.6	920.1	12.6	5070.2
05/01/2020 11:26	5.4	7.7	1029.7	920.1	12.6	5070.2

05/01/2020 11:41	5.4	7.7	1029.3	920	12.6	5070.6
05/01/2020 11:56	5.5	7.7	1029.2	920.1	12.6	5070.2
05/01/2020 12:11	5.5	7.7	1028.8	920.1	12.6	5070.2
05/01/2020 12:26	5.4	7.8	1028.5	920.1	12.6	5070.2
05/01/2020 12:41	5.4	8	1028.2	920	12.6	5070.6
05/01/2020 12:56	5.4	8.1	1028.6	920.1	12.6	5070.2
05/01/2020 13:11	5.4	8.1	1028.6	920.1	12.6	5070.2
05/01/2020 13:26	5.4	8.2	1028.2	920.1	12.6	5070.2
05/01/2020 13:41	5.4	8.2	1028.3	920.2	12.6	5069.7
05/01/2020 13:56	5.4	8.1	1028.3	920.2	12.6	5069.7
05/01/2020 14:11	5.4	8.1	1028.3	920.3	12.6	5069.3
05/01/2020 14:26	5.4	8.1	1028	920.3	12.6	5069.3
05/01/2020 14:41	5.4	8	1027.6	920.3	12.6	5069.3
05/01/2020 14:56	5.4	8	1028	920.3	12.6	5069.3
05/01/2020 15:11	5.4	8	1027.8	920.4	12.6	5068.8
05/01/2020 15:26	5.4	8	1027.9	920.5	12.6	5068.4
05/01/2020 15:41	5.4	7.9	1027.9	920.5	12.6	5068.4
05/01/2020 15:56	5.4	7.8	1027.7	920.5	12.6	5068.4
05/01/2020 16:11	5.4	7.8	1027.5	920.5	12.6	5068.4
05/01/2020 16:26	5.4	7.8	1027.8	920.5	12.6	5068.4
05/01/2020 16:41	5.4	7.7	1027.4	920.5	12.6	5068.4
05/01/2020 16:56	5.4	7.7	1027.4	920.6	12.6	5067.9
05/01/2020 17:11	5.4	7.7	1027.4	920.6	12.6	5067.9
05/01/2020 17:26	5.4	7.6	1027.3	920.7	12.6	5067.5
05/01/2020 17:41	5.4	7.6	1027.4	920.7	12.6	5067.5
05/01/2020 17:56	5.4	7.7	1027.3	920.7	12.6	5067.5
05/01/2020 18:11	5.4	7.7	1027.4	920.7	12.6	5067.5
05/01/2020 18:26	5.4	7.7	1026.8	920.7	12.6	5067.5
05/01/2020 18:41	5.4	7.7	1027.3	920.7	12.6	5067.5
05/01/2020 18:56	5.4	7.8	1027.2	920.7	12.6	5067.5
05/01/2020 19:11	5.4	7.8	1027	920.7	12.6	5067.5
05/01/2020 19:26	5.4	7.8	1026.9	920.7	12.6	5067.5
05/01/2020 19:41	5.4	7.8	1026.6	920.7	12.6	5067.5
05/01/2020 19:56	5.4	7.8	1027	920.6	12.6	5067.9
05/01/2020 20:11	5.4	7.8	1026.7	920.6	12.6	5067.9
05/01/2020 20:26	5.4	7.8	1026.6	920.5	12.6	5068.4
05/01/2020 20:41	5.4	7.8	1026.6	920.5	12.6	5068.4
05/01/2020 20:56	5.4	7.8	1026.5	920.5	12.6	5068.4
05/01/2020 21:11	5.4	7.8	1026.3	920.4	12.6	5068.8
05/01/2020 21:26	5.4	7.8	1026.2	920.4	12.6	5068.8
05/01/2020 21:41	5.4	7.8	1025.9	920.3	12.6	5069.3
05/01/2020 21:56	5.4	7.7	1025.8	920.3	12.6	5069.3
05/01/2020 22:11	5.4	7.7	1025.9	920.3	12.6	5069.3
05/01/2020 22:26	5.4	7.7	1025.7	920.3	12.6	5069.3
05/01/2020 22:41	5.4	7.7	1025.8	920.3	12.6	5069.3
05/01/2020 22:56	5.4	7.7	1025.2	920.2	12.6	5069.7
05/01/2020 23:11	5.4	7.7	1025.5	920.1	12.6	5070.2
05/01/2020 23:26	5.4	7.6	1025.3	920.1	12.6	5070.2
05/01/2020 23:41	5.4	7.6	1025.2	920.1	12.6	5070.2
05/01/2020 23:56	5.4	7.6	1025.2	920.1	12.6	5070.2

06/01/2020 00:11	5.4	7.6	1024.7	920.1	12.6	5070.2
06/01/2020 00:26	5.4	7.5	1025	920.1	12.6	5070.2
06/01/2020 00:41	5.4	7.5	1024.6	920.1	12.6	5070.2
06/01/2020 00:56	5.4	7.5	1024.2	920.1	12.6	5070.2
06/01/2020 01:11	5.4	7.5	1024.3	920.1	12.6	5070.2
06/01/2020 01:26	5.4	7.6	1023.9	920.1	12.6	5070.2
06/01/2020 01:41	5.4	7.6	1024.2	920.2	12.6	5069.7
06/01/2020 01:56	5.4	7.6	1024.1	920.2	12.6	5069.7
06/01/2020 02:11	5.4	7.6	1024	920.3	12.6	5069.3
06/01/2020 02:26	5.4	7.7	1023.4	920.3	12.6	5069.3
06/01/2020 02:41	5.4	7.7	1023.5	920.3	12.6	5069.3
06/01/2020 02:56	5.4	7.7	1023.4	920.3	12.6	5069.3
06/01/2020 03:11	5.4	7.8	1023.2	920.3	12.6	5069.3
06/01/2020 03:26	5.4	7.8	1022.9	920.4	12.6	5068.8
06/01/2020 03:41	5.4	7.8	1022.8	920.4	12.6	5068.8
06/01/2020 03:56	5.4	7.8	1022.3	920.4	12.6	5068.8
06/01/2020 04:11	5.4	7.8	1022.2	920.4	12.6	5068.8
06/01/2020 04:26	5.4	7.8	1022.2	920.5	12.6	5068.4
06/01/2020 04:41	5.4	7.8	1021.8	920.5	12.6	5068.4
06/01/2020 04:56	5.4	7.8	1022.1	920.4	12.6	5068.8
06/01/2020 05:11	5.4	7.8	1021.6	920.4	12.6	5068.8
06/01/2020 05:26	5.4	7.8	1021.9	920.5	12.6	5068.4
06/01/2020 05:41	5.4	7.8	1021.5	920.5	12.6	5068.4
06/01/2020 05:56	5.4	7.8	1021.2	920.5	12.6	5068.4
06/01/2020 06:11	5.4	7.7	1021	920.5	12.6	5068.4
06/01/2020 06:26	5.4	7.7	1020.7	920.5	12.6	5068.4
06/01/2020 06:41	5.4	7.6	1021	920.4	12.6	5068.8
06/01/2020 06:56	5.4	7.5	1020.9	920.4	12.6	5068.8
06/01/2020 07:11	5.4	7.4	1020.9	920.3	12.6	5069.3
06/01/2020 07:26	5.4	7.3	1020.8	920.3	12.6	5069.3
06/01/2020 07:41	5.4	7.3	1020.4	920.3	12.6	5069.3
06/01/2020 07:56	5.4	7.3	1020.4	920.2	12.6	5069.7
06/01/2020 08:11	5.4	7.3	1020	920.2	12.6	5069.7
06/01/2020 08:26	5.4	7.3	1019.9	920.2	12.6	5069.7
06/01/2020 08:41	5.4	7.4	1019.6	920.1	12.6	5070.2
06/01/2020 08:56	5.4	7.4	1019.5	920	12.6	5070.6
06/01/2020 09:11	5.4	7.4	1019.3	920	12.6	5070.6
06/01/2020 09:26	5.4	7.5	1019.1	919.9	12.6	5071.1
06/01/2020 09:41	5.4	7.6	1018.9	919.9	12.6	5071.1
06/01/2020 09:56	5.4	7.7	1018.6	919.9	12.6	5071.1
06/01/2020 10:11	5.4	7.8	1018.1	919.9	12.6	5071.1
06/01/2020 10:26	5.4	8	1017.8	919.9	12.6	5071.1
06/01/2020 10:41	5.4	8.1	1017.5	919.8	12.6	5071.5
06/01/2020 10:56	5.4	8.2	1017.4	919.8	12.6	5072
06/01/2020 11:11	5.4	8.4	1017.3	919.8	12.6	5072
06/01/2020 11:26	5.4	8.5	1016.5	919.8	12.6	5072
06/01/2020 11:41	5.4	8.8	1016.1	919.8	12.6	5072
06/01/2020 11:56	5.4	10.1	1015.7	919.8	12.6	5072
06/01/2020 12:11	5.4	9.9	1015.4	919.8	12.6	5072
06/01/2020 12:26	5.4	9.9	1015	919.8	12.6	5072

06/01/2020 12:41	5.4	10.5	1014.6	919.7	12.6	5072.4
06/01/2020 12:56	5.4	10.9	1014.5	919.7	12.6	5072.4
06/01/2020 13:11	5.4	11.1	1014.1	919.8	12.6	5072
06/01/2020 13:26	5.4	11.3	1014.5	919.8	12.6	5072
06/01/2020 13:41	5.4	11.4	1014.3	919.8	12.6	5072
06/01/2020 13:56	5.4	10.6	1014.3	919.8	12.6	5072
06/01/2020 14:11	5.4	10	1014.3	919.8	12.6	5072
06/01/2020 14:26	5.4	9.8	1014.6	919.7	12.6	5072.4
06/01/2020 14:41	5.4	9.2	1014.3	919.8	12.6	5072
06/01/2020 14:56	5.4	9.1	1013.7	919.8	12.6	5072
06/01/2020 15:11	5.4	8.9	1014.5	919.8	12.6	5072
06/01/2020 15:26	5.4	8.3	1014.2	919.8	12.6	5072
06/01/2020 15:41	5.4	7.9	1014	919.8	12.6	5072
06/01/2020 15:56	5.4	7.7	1013.5	919.8	12.6	5072
06/01/2020 16:11	5.4	7.6	1013.3	919.8	12.6	5072
06/01/2020 16:26	5.4	7.4	1013.3	919.8	12.6	5072
06/01/2020 16:41	5.4	7.3	1013.3	919.8	12.6	5071.5
06/01/2020 16:56	5.4	7.3	1013.4	919.8	12.6	5071.5
06/01/2020 17:11	5.4	7.3	1013.3	919.8	12.6	5071.5
06/01/2020 17:26	5.4	7.3	1013.8	919.9	12.6	5071.1
06/01/2020 17:41	5.4	7.2	1013.7	919.9	12.6	5071.1
06/01/2020 17:56	5.4	7.3	1013.6	919.9	12.6	5071.1
06/01/2020 18:11	5.4	7.3	1013.6	919.9	12.6	5071.1
06/01/2020 18:26	5.4	7.4	1013.4	919.9	12.6	5071.1
06/01/2020 18:41	5.4	7.4	1013.7	919.9	12.6	5071.1
06/01/2020 18:56	5.4	7.3	1013.2	919.9	12.6	5071.1
06/01/2020 19:11	5.4	7.3	1013.8	920	12.6	5070.6
06/01/2020 19:26	5.4	7.3	1014	920.1	12.6	5070.2
06/01/2020 19:41	5.4	7.4	1014.2	920	12.6	5070.6
06/01/2020 19:56	5.4	7.5	1014	919.9	12.6	5071.1
06/01/2020 20:11	5.4	7.3	1014.3	919.9	12.6	5071.1
06/01/2020 20:26	5.4	7.2	1014.2	919.9	12.6	5071.1
06/01/2020 20:41	5.4	7.1	1014.5	919.9	12.6	5071.1
06/01/2020 20:56	5.4	7	1014.6	919.9	12.6	5071.1
06/01/2020 21:11	5.4	7	1014.7	919.8	12.6	5071.5
06/01/2020 21:26	5.4	7.1	1014.9	919.9	12.6	5071.1
06/01/2020 21:41	5.4	7.1	1015.2	919.8	12.6	5071.5
06/01/2020 21:56	5.4	7	1015.6	919.8	12.6	5071.5
06/01/2020 22:11	5.5	6.9	1015.6	919.8	12.6	5071.5
06/01/2020 22:26	5.4	6.8	1015.8	919.8	12.6	5071.5
06/01/2020 22:41	5.5	6.7	1016	919.8	12.6	5071.5
06/01/2020 22:56	5.5	6.7	1016.3	919.8	12.6	5071.5
06/01/2020 23:11	5.5	6.6	1016.8	919.8	12.6	5071.5
06/01/2020 23:26	5.5	6.5	1016.9	919.8	12.6	5071.5
06/01/2020 23:41	5.5	6.3	1017.2	919.8	12.6	5071.5
06/01/2020 23:56	5.5	6.1	1017.7	919.8	12.6	5071.5
07/01/2020 00:11	5.5	5.9	1017.8	919.8	12.6	5071.5
07/01/2020 00:26	5.5	5.7	1018.2	919.8	12.6	5071.5
07/01/2020 00:41	5.5	5.6	1018.4	919.8	12.6	5071.5
07/01/2020 00:56	5.5	5.5	1018	919.9	12.6	5071.1

07/01/2020 01:11	5.5	5.4	1018.5	919.8	12.6	5071.5
07/01/2020 01:26	5.5	5.4	1018.7	919.9	12.6	5071.1
07/01/2020 01:41	5.5	5.3	1019	919.9	12.6	5071.1
07/01/2020 01:56	5.5	5.3	1018.7	920	12.6	5070.6
07/01/2020 02:11	5.5	5.2	1018.6	920.1	12.6	5070.2
07/01/2020 02:26	5.5	5.1	1018.7	920.1	12.6	5070.2
07/01/2020 02:41	5.5	4.9	1018.8	920.1	12.6	5070.2
07/01/2020 02:56	5.5	4.6	1019.1	920.2	12.6	5069.7
07/01/2020 03:11	5.5	4.5	1019.3	920.2	12.6	5069.7
07/01/2020 03:26	5.5	4.4	1019.5	920.3	12.6	5069.3
07/01/2020 03:41	5.5	4.3	1019.3	920.3	12.6	5069.3
07/01/2020 03:56	5.5	4.3	1019.7	920.3	12.6	5069.3
07/01/2020 04:11	5.5	4.3	1019.5	920.4	12.6	5068.8
07/01/2020 04:26	5.5	4.2	1019.7	920.5	12.6	5068.4
07/01/2020 04:41	5.5	4.1	1019.3	920.5	12.6	5068.4
07/01/2020 04:56	5.5	4.1	1020.1	920.5	12.6	5068.4
07/01/2020 05:11	5.5	4.1	1019.6	920.6	12.6	5067.9
07/01/2020 05:26	5.5	4	1019.8	920.5	12.6	5068.4
07/01/2020 05:41	5.5	3.9	1019.7	920.7	12.6	5067.5
07/01/2020 05:56	5.5	3.8	1019.5	920.6	12.6	5067.9
07/01/2020 06:11	5.5	3.8	1019.9	920.7	12.6	5067.5
07/01/2020 06:26	5.5	3.8	1019.5	920.6	12.6	5067.9
07/01/2020 06:41	5.5	3.6	1019.6	920.6	12.6	5067.9
07/01/2020 06:56	5.5	3.7	1020	920.7	12.6	5067.5
07/01/2020 07:11	5.5	3.7	1019.9	920.7	12.6	5067.5
07/01/2020 07:26	5.5	3.9	1019.8	920.6	12.6	5067.9
07/01/2020 07:41	5.5	4.1	1020.1	920.6	12.6	5067.9
07/01/2020 07:56	5.5	4.3	1019.9	920.6	12.6	5067.9
07/01/2020 08:11	5.5	4.6	1020.2	920.6	12.6	5067.9
07/01/2020 08:26	5.5	4.8	1020.5	920.6	12.6	5067.9
07/01/2020 08:41	5.5	5	1020.6	920.5	12.6	5068.4
07/01/2020 08:56	5.5	5.4	1020.6	920.5	12.6	5068.4
07/01/2020 09:11	5.5	6.3	1020.5	920.5	12.6	5068.4
07/01/2020 09:26	5.5	6.6	1020.2	920.4	12.6	5068.8
07/01/2020 09:41	5.5	6.8	1020.5	920.4	12.6	5068.8
07/01/2020 09:56	5.4	7.2	1020.6	920.3	12.6	5069.3
07/01/2020 10:11	5.4	8.4	1020	920.3	12.6	5069.3
07/01/2020 10:26	5.4	8.9	1019.9	920.3	12.6	5069.3
07/01/2020 10:41	5.4	8.9	1019.3	920.1	12.6	5070.2
07/01/2020 10:56	5.4	9.1	1019.4	920	12.6	5070.6
07/01/2020 11:11	5.4	9.3	1019.3	920.1	12.6	5070.2
07/01/2020 11:26	5.4	9.3	1019	920	12.6	5070.6
07/01/2020 11:41	5.4	9.3	1018.8	920	12.6	5070.6
07/01/2020 11:56	5.4	9.3	1018.4	919.9	12.6	5071.1
07/01/2020 12:11	5.4	9.5	1018.3	919.9	12.6	5071.1
07/01/2020 12:26	5.4	9.6	1018.3	919.8	12.6	5071.5
07/01/2020 12:41	5.4	9.8	1017.8	919.8	12.6	5071.5
07/01/2020 12:56	5.4	10	1017.7	919.8	12.6	5072
07/01/2020 13:11	5.4	10.6	1017.8	919.8	12.6	5072
07/01/2020 13:26	5.4	10.6	1017.6	919.8	12.6	5071.5

07/01/2020 13:41	5.4	10.4	1017.1	919.8	12.6	5072
07/01/2020 13:56	5.4	10.5	1017	919.8	12.6	5071.5
07/01/2020 14:11	5.4	10.9	1016.7	919.8	12.6	5072
07/01/2020 14:26	5.4	10.6	1016.6	919.8	12.6	5072
07/01/2020 14:41	5.4	10.2	1016.7	919.8	12.6	5072
07/01/2020 14:56	5.4	9.9	1016	919.8	12.6	5072
07/01/2020 15:11	5.4	9.7	1016	919.8	12.6	5072
07/01/2020 15:26	5.4	9.6	1016	919.8	12.6	5072
07/01/2020 15:41	5.4	9.6	1015.7	919.8	12.6	5071.5
07/01/2020 15:56	5.4	9.5	1015.3	919.8	12.6	5072
07/01/2020 16:11	5.4	9.5	1015.4	919.8	12.6	5072
07/01/2020 16:26	5.4	9.5	1015.3	919.8	12.6	5072
07/01/2020 16:41	5.4	9.4	1015.7	919.8	12.6	5072
07/01/2020 16:56	5.4	9.5	1015	919.8	12.6	5072
07/01/2020 17:11	5.4	9.6	1014.7	919.8	12.6	5072
07/01/2020 17:26	5.4	9.6	1014.3	919.8	12.6	5071.5
07/01/2020 17:41	5.4	9.7	1014.3	919.8	12.6	5072
07/01/2020 17:56	5.4	9.7	1014.8	919.8	12.6	5071.5
07/01/2020 18:11	5.4	9.7	1015.2	919.8	12.6	5072
07/01/2020 18:26	5.4	9.8	1014.9	919.8	12.6	5071.5
07/01/2020 18:41	5.4	9.9	1014.9	919.8	12.6	5071.5
07/01/2020 18:56	5.4	9.9	1014.6	919.8	12.6	5071.5
07/01/2020 19:11	5.4	9.9	1014.8	919.8	12.6	5071.5
07/01/2020 19:26	5.4	10	1014.4	919.8	12.6	5072
07/01/2020 19:41	5.4	10.1	1014.5	919.8	12.6	5071.5
07/01/2020 19:56	5.4	10.1	1014.5	919.8	12.6	5071.5
07/01/2020 20:11	5.4	10.1	1014.2	919.8	12.6	5071.5
07/01/2020 20:26	5.4	10.3	1014	919.8	12.6	5071.5
07/01/2020 20:41	5.4	10.5	1013.1	919.8	12.6	5071.5
07/01/2020 20:56	5.4	10.6	1012.8	919.8	12.6	5071.5
07/01/2020 21:11	5.4	10.7	1012.9	919.8	12.6	5072
07/01/2020 21:26	5.4	10.8	1013.8	919.8	12.6	5072
07/01/2020 21:41	5.4	10.8	1013.7	919.8	12.6	5072
07/01/2020 21:56	5.4	10.9	1012.9	919.8	12.6	5072
07/01/2020 22:11	5.4	11	1013	919.8	12.6	5072
07/01/2020 22:26	5.4	11.1	1012.9	919.8	12.6	5072
07/01/2020 22:41	5.4	11.2	1013.1	919.8	12.6	5072
07/01/2020 22:56	5.4	11.4	1012.8	919.8	12.6	5072
07/01/2020 23:11	5.4	11.5	1012.8	919.8	12.6	5072
07/01/2020 23:26	5.4	11.6	1013.1	919.8	12.6	5072
07/01/2020 23:41	5.4	11.6	1012.9	919.8	12.6	5072
07/01/2020 23:56	5.4	11.7	1012.6	919.7	12.6	5072.4
08/01/2020 00:11	5.4	12	1012.6	919.8	12.6	5072
08/01/2020 00:26	5.4	12.3	1012.8	919.8	12.6	5072
08/01/2020 00:41	5.4	12.5	1013.3	919.7	12.6	5072.4
08/01/2020 00:56	5.4	12.7	1012.9	919.8	12.6	5072
08/01/2020 01:11	5.4	12.8	1012.8	919.7	12.6	5072.4
08/01/2020 01:26	5.4	12.9	1012.8	919.8	12.6	5072
08/01/2020 01:41	5.4	13.1	1013	919.8	12.6	5072
08/01/2020 01:56	5.4	13.1	1013.3	919.8	12.6	5072

08/01/2020 02:11	5.4	13.1	1013.5	919.8	12.6	5072
08/01/2020 02:26	5.4	13.1	1013.6	919.8	12.6	5072
08/01/2020 02:41	5.4	13.2	1013.7	919.8	12.6	5072
08/01/2020 02:56	5.4	13.1	1013	919.8	12.6	5072
08/01/2020 03:11	5.4	13.1	1013.1	919.8	12.6	5072
08/01/2020 03:26	5.4	13	1013.7	919.8	12.6	5072
08/01/2020 03:41	5.4	13	1013.8	919.8	12.6	5071.5
08/01/2020 03:56	5.4	12.9	1013.5	919.8	12.6	5072
08/01/2020 04:11	5.4	12.8	1013.6	919.9	12.6	5071.1
08/01/2020 04:26	5.4	12.8	1013.9	919.9	12.6	5071.1
08/01/2020 04:41	5.4	12.8	1014.1	920	12.6	5070.6
08/01/2020 04:56	5.4	12.8	1014.8	919.9	12.6	5071.1
08/01/2020 05:11	5.4	12.7	1014.3	920.1	12.6	5070.2
08/01/2020 05:26	5.4	12.6	1014.2	920.1	12.6	5070.2
08/01/2020 05:41	5.4	12.5	1014.5	920.1	12.6	5070.2
08/01/2020 05:56	5.4	12.4	1014.8	920.2	12.6	5069.7
08/01/2020 06:11	5.4	12.3	1014.9	920.3	12.6	5069.3
08/01/2020 06:26	5.4	12.2	1014.8	920.3	12.6	5069.3
08/01/2020 06:41	5.4	12	1015	920.4	12.6	5068.8
08/01/2020 06:56	5.4	11.9	1015.5	920.5	12.6	5068.4
08/01/2020 07:11	5.4	11.8	1015.5	920.4	12.6	5068.8
08/01/2020 07:26	5.4	11.7	1015.7	920.5	12.6	5068.4
08/01/2020 07:41	5.4	11.8	1016	920.5	12.6	5068.4
08/01/2020 07:56	5.4	11.8	1016.4	920.5	12.6	5068.4
08/01/2020 08:11	5.4	11.8	1016.6	920.6	12.6	5067.9
08/01/2020 08:26	5.4	11.7	1017	920.6	12.6	5067.9
08/01/2020 08:41	5.4	11.7	1017	920.6	12.6	5067.9
08/01/2020 08:56	5.4	11.7	1017.1	920.6	12.6	5067.9
08/01/2020 09:11	5.4	11.7	1017.3	920.6	12.6	5067.9
08/01/2020 09:26	5.4	11.8	1017.5	920.7	12.6	5067.5
08/01/2020 09:41	5.4	11.8	1017.7	920.6	12.6	5067.9
08/01/2020 09:56	5.4	11.8	1017.7	920.5	12.6	5068.4
08/01/2020 10:11	5.4	11.8	1018	920.5	12.6	5068.4
08/01/2020 10:26	5.4	11.8	1017.9	920.5	12.6	5068.4
08/01/2020 10:41	5.4	11.9	1017.8	920.5	12.6	5068.4
08/01/2020 10:56	5.4	12	1018.2	920.4	12.6	5068.8
08/01/2020 11:11	5.4	12.2	1018.1	920.3	12.6	5069.3
08/01/2020 11:26	5.4	12.3	1018	920.3	12.6	5069.3
08/01/2020 11:41	5.4	12.4	1017.5	920.2	12.6	5069.7
08/01/2020 11:56	5.4	12.6	1017.7	920.2	12.6	5069.7
08/01/2020 12:11	5.4	12.9	1017.8	920.2	12.6	5069.7
08/01/2020 12:26	5.4	13.8	1017.8	920.1	12.6	5070.2
08/01/2020 12:41	5.4	14.1	1017.5	920.1	12.6	5070.2
08/01/2020 12:56	5.4	14.6	1018	920	12.6	5070.6
08/01/2020 13:11	5.4	14.2	1017.9	920	12.6	5070.6
08/01/2020 13:26	5.4	13.8	1018	919.9	12.6	5071.1
08/01/2020 13:41	5.4	13.4	1017.7	919.9	12.6	5071.1
08/01/2020 13:56	5.4	13.3	1017.6	919.9	12.6	5071.1
08/01/2020 14:11	5.4	13.1	1018	919.9	12.6	5071.1
08/01/2020 14:26	5.4	12.8	1018.4	919.9	12.6	5071.1

08/01/2020 14:41	5.4	12.6	1018.3	919.9	12.6	5071.1
08/01/2020 14:56	5.4	12.5	1018.4	919.9	12.6	5071.1
08/01/2020 15:11	5.4	12.3	1018.4	920	12.6	5070.6
08/01/2020 15:26	5.4	12	1018.5	920	12.6	5070.6
08/01/2020 15:41	5.4	11.7	1018.7	920	12.6	5070.6
08/01/2020 15:56	5.4	11.4	1018.8	920.1	12.6	5070.2
08/01/2020 16:11	5.4	11.1	1018.9	920.1	12.6	5070.2
08/01/2020 16:26	5.4	10.8	1019.2	920.1	12.6	5070.2
08/01/2020 16:41	5.4	10.5	1019.2	920.2	12.6	5069.7
08/01/2020 16:56	5.4	10.3	1019.1	920.2	12.6	5069.7
08/01/2020 17:11	5.4	10	1019	920.3	12.6	5069.3
08/01/2020 17:26	5.4	9.8	1019.3	920.3	12.6	5069.3
08/01/2020 17:41	5.4	9.5	1019.2	920.4	12.6	5068.8
08/01/2020 17:56	5.4	9.3	1019.2	920.4	12.6	5068.8
08/01/2020 18:11	5.4	9.1	1018.8	920.4	12.6	5068.8
08/01/2020 18:26	5.4	8.9	1018.3	920.3	12.6	5069.3
08/01/2020 18:41	5.4	8.7	1018.3	920.4	12.6	5068.8
08/01/2020 18:56	5.4	8.4	1018.7	920.4	12.6	5068.8
08/01/2020 19:11	5.4	8.3	1018.1	920.5	12.6	5068.4
08/01/2020 19:26	5.4	8.2	1018	920.5	12.6	5068.4
08/01/2020 19:41	5.4	8.2	1018.2	920.5	12.6	5068.4
08/01/2020 19:56	5.4	8.1	1017.9	920.5	12.6	5068.4
08/01/2020 20:11	5.4	8.1	1017.8	920.4	12.6	5068.8
08/01/2020 20:26	5.4	8.2	1017.7	920.4	12.6	5068.8
08/01/2020 20:41	5.4	8.1	1017.5	920.5	12.6	5068.4
08/01/2020 20:56	5.4	8.1	1017.4	920.5	12.6	5068.4
08/01/2020 21:11	5.4	8.1	1017.2	920.3	12.6	5069.3
08/01/2020 21:26	5.4	8	1016.4	920.4	12.6	5068.8
08/01/2020 21:41	5.4	7.9	1016.3	920.3	12.6	5069.3
08/01/2020 21:56	5.4	7.9	1015.9	920.3	12.6	5069.3
08/01/2020 22:11	5.4	8	1015.6	920.3	12.6	5069.3
08/01/2020 22:26	5.4	8	1015	920.3	12.6	5069.3
08/01/2020 22:41	5.4	8.1	1014.9	920.2	12.6	5069.7
08/01/2020 22:56	5.4	8.2	1014.3	920.1	12.6	5070.2
08/01/2020 23:11	5.4	8.3	1013.5	920	12.6	5070.6
08/01/2020 23:26	5.4	8.5	1013.3	919.9	12.6	5071.1
08/01/2020 23:41	5.4	8.6	1012.8	919.9	12.6	5071.1
08/01/2020 23:56	5.4	8.8	1012.3	919.8	12.6	5071.5
09/01/2020 00:11	5.4	8.9	1012	919.8	12.6	5072
09/01/2020 00:26	5.4	9	1011.8	919.8	12.6	5072
09/01/2020 00:41	5.4	9	1011	919.8	12.6	5072
09/01/2020 00:56	5.4	9	1010.8	919.8	12.6	5072
09/01/2020 01:11	5.4	9.1	1010	919.8	12.6	5072
09/01/2020 01:26	5.4	9	1009.7	919.8	12.6	5072
09/01/2020 01:41	5.4	9	1009.2	919.8	12.6	5072
09/01/2020 01:56	5.4	9.1	1009	919.8	12.6	5072
09/01/2020 02:11	5.4	9.4	1008.5	919.7	12.6	5072.4
09/01/2020 02:26	5.4	9.6	1007.9	919.7	12.6	5072.4
09/01/2020 02:41	5.4	9.9	1007.9	919.7	12.6	5072.4
09/01/2020 02:56	5.4	10	1007.3	919.8	12.6	5072

09/01/2020 03:11	5.4	10.3	1006.7	919.7	12.6	5072.4
09/01/2020 03:26	5.4	10.5	1006.5	919.7	12.6	5072.4
09/01/2020 03:41	5.4	10.6	1006	919.7	12.6	5072.4
09/01/2020 03:56	5.4	10.7	1005.3	919.8	12.6	5072
09/01/2020 04:11	5.4	10.8	1005.4	919.7	12.6	5072.4
09/01/2020 04:26	5.4	10.9	1004.8	919.8	12.6	5072
09/01/2020 04:41	5.4	11	1004.9	919.7	12.6	5072.4
09/01/2020 04:56	5.4	11.1	1004.9	919.7	12.6	5072.4
09/01/2020 05:11	5.4	11	1004.4	919.8	12.6	5072
09/01/2020 05:26	5.4	11	1004	919.8	12.6	5072
09/01/2020 05:41	5.4	11	1004.1	919.8	12.6	5072
09/01/2020 05:56	5.4	10.9	1004	919.7	12.6	5072.4
09/01/2020 06:11	5.4	10.9	1003.8	919.8	12.6	5072
09/01/2020 06:26	5.4	10.8	1003.4	919.7	12.6	5072.4
09/01/2020 06:41	5.4	10.8	1002.9	919.8	12.6	5072
09/01/2020 06:56	5.4	10.8	1002.5	919.8	12.6	5072
09/01/2020 07:11	5.4	10.8	1002.5	919.8	12.6	5072
09/01/2020 07:26	5.4	10.8	1002.2	919.8	12.6	5072
09/01/2020 07:41	5.4	10.9	1001.7	919.8	12.6	5072
09/01/2020 07:56	5.4	10.9	1002	919.8	12.6	5072
09/01/2020 08:11	5.4	10.9	1001.8	919.8	12.6	5072
09/01/2020 08:26	5.4	11	1001.9	919.8	12.6	5072
09/01/2020 08:41	5.4	11.1	1002.1	919.8	12.6	5072
09/01/2020 08:56	5.4	11.3	1001.9	919.8	12.6	5071.5
09/01/2020 09:11	5.4	11.4	1001.4	919.8	12.6	5072
09/01/2020 09:26	5.4	11.4	1001.5	919.8	12.6	5072
09/01/2020 09:41	5.4	11.5	1001.8	919.8	12.6	5072
09/01/2020 09:56	5.4	11.6	1001.8	919.8	12.6	5072
09/01/2020 10:11	5.4	11.8	1001.7	919.8	12.6	5072
09/01/2020 10:26	5.4	12.4	1001.9	919.8	12.6	5072
09/01/2020 10:41	5.4	12.8	1001.5	919.7	12.6	5072.4
09/01/2020 10:56	5.4	13	1001.4	919.8	12.6	5072
09/01/2020 11:11	5.4	13.3	1001.2	919.6	12.6	5072.9
09/01/2020 11:26	5.4	13.4	1001.2	919.8	12.6	5072
09/01/2020 11:41	5.4	13.7	1001.2	919.8	12.6	5072
09/01/2020 11:56	5.4	15.1	1001.4	919.7	12.6	5072.4
09/01/2020 12:11	5.4	16.3	1001.2	919.7	12.6	5072.4
09/01/2020 12:26	5.4	16.5	1001	919.8	12.6	5072
09/01/2020 12:41	5.4	16.5	1000.8	919.7	12.6	5072.4
09/01/2020 12:56	5.4	15.7	1001.2	919.7	12.6	5072.4
09/01/2020 13:11	5.4	15.1	1000.6	919.8	12.6	5072
09/01/2020 13:26	5.4	15.3	1000.5	919.7	12.6	5072.4
09/01/2020 13:41	5.4	16	1000.4	919.8	12.6	5072
09/01/2020 13:56	5.4	16.3	1000.6	919.6	12.6	5072.9
09/01/2020 14:11	5.4	16.9	1000.8	919.7	12.6	5072.4
09/01/2020 14:26	5.4	17.1	1000.7	919.6	12.6	5072.9
09/01/2020 14:41	5.4	16.7	1000.5	919.7	12.6	5072.4
09/01/2020 14:56	5.4	16.5	1000.8	919.6	12.6	5072.9
09/01/2020 15:11	5.4	16	1000.8	919.6	12.6	5072.9
09/01/2020 15:26	5.4	15.1	1001	919.7	12.6	5072.4

09/01/2020 15:41	5.4	14	1001.5	919.6	12.6	5072.9
09/01/2020 15:56	5.4	13.1	1001.3	919.8	12.6	5072
09/01/2020 16:11	5.4	12.7	1001.5	919.8	12.6	5072
09/01/2020 16:26	5.4	12.3	1001	919.7	12.6	5072.4
09/01/2020 16:41	5.4	11.8	1000.8	919.8	12.6	5072
09/01/2020 16:56	5.4	11.3	1000.9	919.8	12.6	5072
09/01/2020 17:11	5.4	11	1000.9	919.8	12.6	5072
09/01/2020 17:26	5.4	10.8	1000.7	919.7	12.6	5072.4
09/01/2020 17:41	5.4	10.4	1000.7	919.7	12.6	5072.4
09/01/2020 17:56	5.4	10.1	1000.4	919.8	12.6	5072
09/01/2020 18:11	5.4	10	1000.1	919.8	12.6	5072
09/01/2020 18:26	5.4	9.9	1000.1	919.7	12.6	5072.4
09/01/2020 18:41	5.4	9.9	1000.4	919.7	12.6	5072.4
09/01/2020 18:56	5.4	9.8	1000.4	919.7	12.6	5072.4
09/01/2020 19:11	5.4	9.7	1000.6	919.7	12.6	5072.4
09/01/2020 19:26	5.4	9.6	1000.7	919.7	12.6	5072.4
09/01/2020 19:41	5.4	9.6	1000.5	919.8	12.6	5072
09/01/2020 19:56	5.4	9.7	1000.4	919.7	12.6	5072.4
09/01/2020 20:11	5.4	9.7	1000.1	919.8	12.6	5072
09/01/2020 20:26	5.4	9.7	1000.8	919.8	12.6	5072
09/01/2020 20:41	5.4	9.7	1001.1	919.8	12.6	5072
09/01/2020 20:56	5.4	9.5	1001	919.8	12.6	5072
09/01/2020 21:11	5.4	9.3	1001.2	919.8	12.6	5072
09/01/2020 21:26	5.4	8.9	1001.4	919.8	12.6	5072
09/01/2020 21:41	5.4	8.6	1001.8	919.8	12.6	5072
09/01/2020 21:56	5.4	8.3	1002.1	919.8	12.6	5072
09/01/2020 22:11	5.4	8	1002.3	919.8	12.6	5072
09/01/2020 22:26	5.4	7.8	1002.1	919.8	12.6	5072
09/01/2020 22:41	5.4	7.7	1002.8	919.8	12.6	5072
09/01/2020 22:56	5.4	7.8	1003.1	919.8	12.6	5071.5
09/01/2020 23:11	5.4	7.8	1003.3	919.8	12.6	5072
09/01/2020 23:26	5.4	7.6	1004	919.8	12.6	5072
09/01/2020 23:41	5.4	7.4	1004.1	919.7	12.6	5072.4
09/01/2020 23:56	5.4	7.3	1004.2	919.8	12.6	5072
10/01/2020 00:11	5.4	7.2	1004.1	919.7	12.6	5072.4
10/01/2020 00:26	5.4	7.1	1004.3	919.7	12.6	5072.4
10/01/2020 00:41	5.4	7	1004.4	919.7	12.6	5072.4
10/01/2020 00:56	5.4	6.9	1004.9	919.7	12.6	5072.4
10/01/2020 01:11	5.4	6.8	1005.2	919.7	12.6	5072.4
10/01/2020 01:26	5.4	6.8	1005.5	919.7	12.6	5072.4
10/01/2020 01:41	5.4	6.7	1006.1	919.8	12.6	5072
10/01/2020 01:56	5.4	6.7	1006.5	919.7	12.6	5072.4
10/01/2020 02:11	5.4	6.7	1006.9	919.8	12.6	5072
10/01/2020 02:26	5.4	6.6	1007.5	919.7	12.6	5072.4
10/01/2020 02:41	5.4	6.7	1007.6	919.6	12.6	5072.9
10/01/2020 02:56	5.4	6.7	1007.9	919.8	12.6	5072
10/01/2020 03:11	5.4	6.7	1008.2	919.8	12.6	5072
10/01/2020 03:26	5.4	6.7	1008.3	919.7	12.6	5072.4
10/01/2020 03:41	5.4	6.7	1008.7	919.7	12.6	5072.4
10/01/2020 03:56	5.4	6.7	1008.8	919.8	12.6	5072

10/01/2020 04:11	5.4	6.7	1009.1	919.8	12.6	5072
10/01/2020 04:26	5.4	6.7	1009.7	919.7	12.6	5072.4
10/01/2020 04:41	5.4	6.6	1010	919.8	12.6	5072
10/01/2020 04:56	5.4	6.6	1010.7	919.8	12.6	5072
10/01/2020 05:11	5.4	6.5	1010.9	919.7	12.6	5072.4
10/01/2020 05:26	5.4	6.4	1011.4	919.8	12.6	5072
10/01/2020 05:41	5.4	6.3	1012	919.8	12.6	5071.5
10/01/2020 05:56	5.4	6.4	1012.1	919.8	12.6	5071.5
10/01/2020 06:11	5.4	6.3	1012.5	919.9	12.6	5071.1
10/01/2020 06:41	5.4	6.3	1013.1	920	12.6	5070.6
10/01/2020 06:56	5.4	6.2	1013.3	920	12.6	5070.6
10/01/2020 07:11	5.4	6.1	1014	920.1	12.6	5070.2
10/01/2020 07:26	5.4	6	1014.3	920.1	12.6	5070.2
10/01/2020 07:41	5.4	6	1015.1	920.3	12.6	5069.3
10/01/2020 07:56	5.4	7.3	1015.2	920.3	12.6	5069.3
10/01/2020 08:11	5.4	6.3	1015.6	920.3	12.6	5069.3
10/01/2020 08:26	5.4	6.2	1016.1	920.4	12.6	5068.8
10/01/2020 08:41	5.4	6.3	1016.3	920.4	12.6	5068.8
10/01/2020 08:56	5.4	6.2	1016.6	920.5	12.6	5068.4
10/01/2020 09:11	5.4	6.4	1017	920.5	12.6	5068.4
10/01/2020 09:26	5.4	6.4	1017.1	920.5	12.6	5068.4
10/01/2020 09:41	5.4	7.1	1017.9	920.5	12.6	5068.4
10/01/2020 09:56	5.4	7.1	1018.3	920.5	12.6	5068.4
10/01/2020 10:11	5.4	7.1	1019.1	920.5	12.6	5068.4
10/01/2020 10:26	5.4	7.9	1019	920.5	12.6	5068.4
10/01/2020 10:41	5.4	7.9	1019.5	920.5	12.6	5068.4
10/01/2020 10:56	5.4	7.8	1020	920.5	12.6	5068.4
10/01/2020 11:11	5.4	7.9	1020.2	920.6	12.6	5067.9
10/01/2020 11:26	5.4	8.2	1020.3	920.5	12.6	5068.4
10/01/2020 11:41	5.4	8.4	1020.6	920.5	12.6	5068.4
10/01/2020 11:56	5.4	9.5	1020.4	920.4	12.6	5068.8
10/01/2020 12:11	5.4	9.5	1020.6	920.3	12.6	5069.3
10/01/2020 12:26	5.4	9.6	1020.8	920.3	12.6	5069.3
10/01/2020 12:41	5.4	10.3	1021	920.2	12.6	5069.7
10/01/2020 12:56	5.4	11.5	1021.1	920.2	12.6	5069.7
10/01/2020 13:11	5.4	12	1021.1	920.1	12.6	5070.2
10/01/2020 13:26	5.4	12.6	1021	920.1	12.6	5070.2
10/01/2020 13:41	5.4	13.4	1021.5	920	12.6	5070.6
10/01/2020 13:56	5.4	13.9	1022.1	920.1	12.6	5070.2
10/01/2020 14:11	5.4	13.8	1021.9	920	12.6	5070.6
10/01/2020 14:26	5.4	13.4	1022.3	920	12.6	5070.6
10/01/2020 14:41	5.4	13.4	1022.7	920	12.6	5070.6
10/01/2020 14:56	5.4	13.3	1022.9	919.9	12.6	5071.1
10/01/2020 15:11	5.4	12.6	1023.5	919.9	12.6	5071.1
10/01/2020 15:26	5.4	11.8	1023.2	919.9	12.6	5071.1
10/01/2020 15:41	5.4	10.5	1023.6	919.9	12.6	5071.1
10/01/2020 15:56	5.4	9.2	1023.6	919.9	12.6	5071.1
10/01/2020 16:11	5.4	8	1023.9	919.9	12.6	5071.1
10/01/2020 16:26	5.4	6.9	1024	919.9	12.6	5071.1
10/01/2020 16:41	5.4	5.9	1024.4	920	12.6	5070.6

10/01/2020 16:56	5.4	5.1	1024.3	920	12.6	5070.6
10/01/2020 17:11	5.4	4.5	1024.2	920	12.6	5070.6
10/01/2020 17:26	5.4	4.1	1024.2	920.1	12.6	5070.2
10/01/2020 17:41	5.4	3.5	1024.1	920.1	12.6	5070.2
10/01/2020 17:56	5.4	3.1	1024.4	920.2	12.6	5069.7
10/01/2020 18:11	5.5	2.6	1024.5	920.3	12.6	5069.3
10/01/2020 18:26	5.5	2.4	1024.8	920.3	12.6	5069.3
10/01/2020 18:41	5.5	2.4	1025.2	920.3	12.6	5069.3
10/01/2020 18:56	5.4	2.4	1025.4	920.3	12.6	5069.3
10/01/2020 19:11	5.4	2.5	1025.3	920.4	12.6	5068.8
10/01/2020 19:26	5.5	2.5	1025.5	920.5	12.6	5068.4
10/01/2020 19:41	5.5	2.5	1025.7	920.5	12.6	5068.4
10/01/2020 19:56	5.5	2.5	1025.9	920.5	12.6	5068.4
10/01/2020 20:11	5.5	2.6	1025.6	920.5	12.6	5068.4
10/01/2020 20:26	5.5	2.5	1025.8	920.6	12.6	5067.9
10/01/2020 20:41	5.5	2.3	1025.8	920.6	12.6	5067.9
10/01/2020 20:56	5.5	2.2	1026.1	920.6	12.6	5067.9
10/01/2020 21:11	5.5	2.2	1026.2	920.7	12.6	5067.5
10/01/2020 21:26	5.5	2.3	1026.2	920.7	12.6	5067.5
10/01/2020 21:41	5.5	2.6	1026.3	920.7	12.6	5067.5
10/01/2020 21:56	5.5	2.9	1026.3	920.7	12.6	5067.5
10/01/2020 22:11	5.5	3.1	1026.1	920.6	12.6	5067.9
10/01/2020 22:26	5.5	3.3	1025.9	920.6	12.6	5067.9
10/01/2020 22:41	5.5	3.6	1025.6	920.6	12.6	5067.9
10/01/2020 22:56	5.5	3.8	1025.5	920.5	12.6	5068.4
10/01/2020 23:11	5.5	4	1025.6	920.6	12.6	5067.9
10/01/2020 23:26	5.5	4.3	1025.3	920.5	12.6	5068.4
10/01/2020 23:41	5.4	4.7	1025.1	920.5	12.6	5068.4
10/01/2020 23:56	5.4	4.9	1025.1	920.4	12.6	5068.8
11/01/2020 00:11	5.4	5.1	1025.3	920.4	12.6	5068.8
11/01/2020 00:26	5.4	5.3	1025.1	920.3	12.6	5069.3
11/01/2020 00:41	5.4	5.5	1025	920.2	12.6	5069.7
11/01/2020 00:56	5.4	5.6	1025.2	920.1	12.6	5070.2
11/01/2020 01:11	5.4	5.7	1024.7	920	12.6	5070.6
11/01/2020 01:26	5.4	5.8	1025	920	12.6	5070.6
11/01/2020 01:41	5.4	5.8	1024.9	919.9	12.6	5071.1
11/01/2020 01:56	5.4	5.8	1025.1	919.9	12.6	5071.1
11/01/2020 02:11	5.4	5.8	1024.8	919.9	12.6	5071.1
11/01/2020 02:26	5.4	5.9	1024.6	919.8	12.6	5071.5
11/01/2020 02:41	5.4	5.9	1024.2	919.8	12.6	5071.5
11/01/2020 02:56	5.4	6.1	1024.1	919.8	12.6	5071.5
11/01/2020 03:11	5.4	6.2	1023.5	919.8	12.6	5072
11/01/2020 03:26	5.4	6.4	1023.3	919.8	12.6	5072
11/01/2020 03:41	5.4	6.6	1023.4	919.8	12.6	5072
11/01/2020 03:56	5.4	6.9	1023.3	919.7	12.6	5072.4
11/01/2020 04:11	5.4	7	1023.3	919.7	12.6	5072.4
11/01/2020 04:26	5.4	7.2	1023.1	919.7	12.6	5072.4
11/01/2020 04:41	5.4	7.3	1023.4	919.8	12.6	5072
11/01/2020 04:56	5.4	7.4	1023	919.8	12.6	5072
11/01/2020 05:11	5.4	7.6	1022.5	919.8	12.6	5072

11/01/2020 05:26	5.4	7.6	1022.7	919.8	12.6	5072
11/01/2020 05:41	5.4	7.6	1022.5	919.8	12.6	5072
11/01/2020 05:56	5.4	7.7	1022.7	919.8	12.6	5072
11/01/2020 06:11	5.4	7.7	1022.2	919.8	12.6	5072
11/01/2020 06:26	5.4	7.8	1022.5	919.8	12.6	5071.5
11/01/2020 06:41	5.4	7.8	1022.2	919.8	12.6	5071.5
11/01/2020 06:56	5.4	7.9	1022	919.8	12.6	5071.5
11/01/2020 07:11	5.4	8	1021.8	919.8	12.6	5071.5
11/01/2020 07:26	5.4	8	1021.8	919.9	12.6	5071.1
11/01/2020 07:41	5.4	8.1	1021.8	919.9	12.6	5071.1
11/01/2020 07:56	5.4	8.2	1021.5	919.9	12.6	5071.1
11/01/2020 08:11	5.4	8.3	1021.5	920	12.6	5070.6
11/01/2020 08:26	5.4	8.3	1021.3	920	12.6	5070.6
11/01/2020 08:41	5.4	8.4	1021.5	920.1	12.6	5070.2
11/01/2020 08:56	5.4	8.6	1021.3	920	12.6	5070.6
11/01/2020 09:11	5.4	8.7	1021.1	920.1	12.6	5070.2
11/01/2020 09:26	5.4	8.8	1021.2	920.1	12.6	5070.2
11/01/2020 09:41	5.4	8.9	1021.1	920.2	12.6	5069.7
11/01/2020 09:56	5.4	9.1	1021	920.2	12.6	5069.7
11/01/2020 10:11	5.4	9.2	1021.1	920.3	12.6	5069.3
11/01/2020 10:26	5.4	9.4	1020.8	920.3	12.6	5069.3
11/01/2020 10:41	5.4	9.5	1020.6	920.3	12.6	5069.3
11/01/2020 10:56	5.4	9.8	1020.8	920.3	12.6	5069.3
11/01/2020 11:11	5.4	9.9	1020.1	920.3	12.6	5069.3
11/01/2020 11:26	5.4	9.9	1020.4	920.3	12.6	5069.3
11/01/2020 11:41	5.4	10	1019.8	920.3	12.6	5069.3
11/01/2020 11:56	5.4	10.1	1019.9	920.1	12.6	5070.2
11/01/2020 12:11	5.4	10.3	1019.3	920.1	12.6	5070.2
11/01/2020 12:26	5.4	10.4	1019.3	920.1	12.6	5070.2
11/01/2020 12:41	5.4	10.5	1018.8	919.9	12.6	5071.1
11/01/2020 12:56	5.4	10.8	1018.4	919.8	12.6	5071.5
11/01/2020 13:11	5.4	11.4	1018.1	919.8	12.6	5071.5
11/01/2020 13:26	5.4	11.4	1018.4	919.8	12.6	5071.5
11/01/2020 13:41	5.4	11	1018.5	919.8	12.6	5072
11/01/2020 13:56	5.4	10.8	1018.4	919.8	12.6	5072
11/01/2020 14:11	5.4	10.7	1018.7	919.7	12.6	5072.4
11/01/2020 14:26	5.4	10.6	1018.3	919.8	12.6	5072
11/01/2020 14:41	5.4	10.4	1018.1	919.8	12.6	5072
11/01/2020 14:56	5.4	10.2	1017.8	919.8	12.6	5072
11/01/2020 15:11	5.4	10	1017.7	919.7	12.6	5072.4
11/01/2020 15:26	5.4	9.8	1017.7	919.7	12.6	5072.4
11/01/2020 15:41	5.4	9.6	1017.6	919.7	12.6	5072.4
11/01/2020 15:56	5.4	9.4	1017.6	919.7	12.6	5072.4
11/01/2020 16:11	5.4	9.2	1017.5	919.6	12.6	5072.9
11/01/2020 16:26	5.4	9.2	1017.6	919.8	12.6	5072
11/01/2020 16:41	5.4	9.3	1017.2	919.7	12.6	5072.4
11/01/2020 16:56	5.4	9.3	1017.3	919.7	12.6	5072.4
11/01/2020 17:11	5.4	9.3	1017.4	919.7	12.6	5072.4
11/01/2020 17:26	5.4	9.3	1017.4	919.8	12.6	5072
11/01/2020 17:41	5.4	9.3	1017.3	919.8	12.6	5072

11/01/2020 17:56	5.4	9.3	1017.2	919.8	12.6	5072
11/01/2020 18:11	5.4	9.2	1017.1	919.8	12.6	5071.5
11/01/2020 18:26	5.4	9.3	1016.8	919.8	12.6	5071.5
11/01/2020 18:41	5.4	9.3	1017.1	919.9	12.6	5071.1
11/01/2020 18:56	5.4	9.5	1017.2	919.8	12.6	5071.5
11/01/2020 19:11	5.4	9.6	1016.9	919.9	12.6	5071.1
11/01/2020 19:26	5.4	9.6	1017	919.9	12.6	5071.1
11/01/2020 19:41	5.4	9.6	1016.7	919.9	12.6	5071.1
11/01/2020 19:56	5.4	9.5	1016.5	920	12.6	5070.6
11/01/2020 20:11	5.4	9.6	1016.8	920.1	12.6	5070.2
11/01/2020 20:26	5.4	9.7	1016.6	920	12.6	5070.6
11/01/2020 20:41	5.4	9.8	1016.6	920.1	12.6	5070.2
11/01/2020 20:56	5.4	9.8	1016.6	920.1	12.6	5070.2
11/01/2020 21:11	5.4	9.8	1016.3	920.2	12.6	5069.7
11/01/2020 21:26	5.4	9.8	1016.1	920.3	12.6	5069.3
11/01/2020 21:41	5.4	9.8	1015.6	920.3	12.6	5069.3
11/01/2020 21:56	5.4	9.8	1015.7	920.3	12.6	5069.3
11/01/2020 22:11	5.4	9.9	1015.3	920.3	12.6	5069.3
11/01/2020 22:26	5.4	9.9	1015.7	920.2	12.6	5069.7
11/01/2020 22:41	5.4	9.9	1015.5	920.2	12.6	5069.7
11/01/2020 22:56	5.4	9.9	1015.2	920.3	12.6	5069.3
11/01/2020 23:11	5.4	9.9	1015.1	920.3	12.6	5069.3
11/01/2020 23:26	5.4	9.8	1015.1	920.2	12.6	5069.7
11/01/2020 23:41	5.4	9.8	1014.7	920.1	12.6	5070.2
11/01/2020 23:56	5.4	9.8	1014.6	920.2	12.6	5069.7
12/01/2020 00:11	5.4	9.9	1014.7	920.1	12.6	5070.2
12/01/2020 00:26	5.4	9.9	1014.5	920.1	12.6	5070.2
12/01/2020 00:41	5.4	9.9	1014.4	920	12.6	5070.6
12/01/2020 00:56	5.4	9.9	1013.9	919.9	12.6	5071.1
12/01/2020 01:11	5.4	9.9	1014.2	919.9	12.6	5071.1
12/01/2020 01:26	5.4	9.9	1013.9	919.8	12.6	5071.5
12/01/2020 01:41	5.4	9.9	1014	919.8	12.6	5072
12/01/2020 01:56	5.4	9.9	1014	919.8	12.6	5072
12/01/2020 02:11	5.4	9.9	1013.5	919.8	12.6	5072
12/01/2020 02:26	5.4	9.7	1013.4	919.8	12.6	5072
12/01/2020 02:41	5.4	9.6	1013.4	919.8	12.6	5072
12/01/2020 02:56	5.4	9.3	1012.9	919.7	12.6	5072.4
12/01/2020 03:11	5.4	9.1	1012.7	919.7	12.6	5072.4
12/01/2020 03:26	5.4	8.9	1012.6	919.7	12.6	5072.4
12/01/2020 03:41	5.4	8.9	1012.5	919.7	12.6	5072.4
12/01/2020 03:56	5.4	8.9	1012.6	919.7	12.6	5072.4
12/01/2020 04:11	5.4	8.9	1012.4	919.8	12.6	5072
12/01/2020 04:26	5.4	8.9	1012.1	919.7	12.6	5072.4
12/01/2020 04:41	5.4	8.9	1012.1	919.6	12.6	5072.9
12/01/2020 04:56	5.4	8.9	1011.9	919.7	12.6	5072.4
12/01/2020 05:11	5.4	8.9	1011.7	919.7	12.6	5072.4
12/01/2020 05:26	5.4	8.9	1011.4	919.6	12.6	5072.9
12/01/2020 05:41	5.4	8.9	1011.5	919.6	12.6	5072.9
12/01/2020 05:56	5.4	8.9	1011.3	919.6	12.6	5072.9
12/01/2020 06:11	5.4	9	1011.3	919.7	12.6	5072.4

12/01/2020 06:26	5.4	9.1	1011	919.8	12.6	5072
12/01/2020 06:41	5.4	9.1	1010.8	919.8	12.6	5072
12/01/2020 06:56	5.4	9.1	1010.7	919.8	12.6	5072
12/01/2020 07:11	5.4	9.1	1010.5	919.8	12.6	5072
12/01/2020 07:26	5.4	9.2	1010.4	919.8	12.6	5072
12/01/2020 07:41	5.4	9.3	1010.2	919.8	12.6	5072
12/01/2020 07:56	5.4	9.4	1010.2	919.8	12.6	5071.5
12/01/2020 08:11	5.4	9.5	1010.5	919.8	12.6	5071.5
12/01/2020 08:26	5.4	9.6	1010.3	919.9	12.6	5071.1
12/01/2020 08:41	5.4	9.8	1010.4	919.9	12.6	5071.1
12/01/2020 08:56	5.4	10	1010.5	920	12.6	5070.6
12/01/2020 09:11	5.4	10.4	1010.8	920	12.6	5070.6
12/01/2020 09:26	5.4	11	1010.8	920	12.6	5070.6
12/01/2020 09:41	5.4	11.8	1010.6	920.1	12.6	5070.2
12/01/2020 09:56	5.4	12.6	1010.5	920.2	12.6	5069.7
12/01/2020 10:11	5.4	12.6	1010.8	920.2	12.6	5069.7
12/01/2020 10:26	5.4	12.4	1011	920.2	12.6	5069.7
12/01/2020 10:41	5.4	12	1010.9	920.3	12.6	5069.3
12/01/2020 10:56	5.4	11.9	1011	920.3	12.6	5069.3
12/01/2020 11:11	5.4	12.8	1011.3	920.3	12.6	5069.3
12/01/2020 11:26	5.4	13.6	1010.7	920.3	12.6	5069.3
12/01/2020 11:41	5.4	14.3	1011.3	920.4	12.6	5068.8
12/01/2020 11:56	5.4	15	1011.3	920.3	12.6	5069.3
12/01/2020 12:11	5.4	13.9	1011.3	920.2	12.6	5069.7
12/01/2020 12:26	5.4	13.1	1011.1	920.3	12.6	5069.3
12/01/2020 12:41	5.4	12.6	1011.8	920.3	12.6	5069.3
12/01/2020 12:56	5.4	12.4	1011.3	920.1	12.6	5070.2
12/01/2020 13:11	5.4	12.3	1011.7	920	12.6	5070.6
12/01/2020 13:26	5.4	13.3	1012	920	12.6	5070.6
12/01/2020 13:41	5.4	12.9	1012.2	919.9	12.6	5071.1
12/01/2020 13:56	5.4	12.3	1012.7	920	12.6	5070.6
12/01/2020 14:11	5.4	11.7	1012.6	919.9	12.6	5071.1
12/01/2020 14:26	5.4	11.2	1012.9	919.9	12.6	5071.1
12/01/2020 14:41	5.4	11.2	1013.3	919.8	12.6	5071.5
12/01/2020 14:56	5.4	11.3	1013.6	919.8	12.6	5071.5
12/01/2020 15:11	5.4	12.2	1013.8	919.8	12.6	5071.5
12/01/2020 15:26	5.4	12.4	1013.9	919.8	12.6	5072
12/01/2020 15:41	5.4	11.4	1013.6	919.8	12.6	5072
12/01/2020 15:56	5.4	10.6	1014.1	919.8	12.6	5072
12/01/2020 16:11	5.4	10.1	1014.7	919.8	12.6	5071.5
12/01/2020 16:26	5.4	9.6	1015.2	919.8	12.6	5072
12/01/2020 16:41	5.4	9.1	1015.3	919.8	12.6	5072
12/01/2020 16:56	5.4	8.6	1015.5	919.8	12.6	5072
12/01/2020 17:11	5.4	8.3	1015.6	919.8	12.6	5072
12/01/2020 17:26	5.4	8.1	1015.9	919.8	12.6	5072
12/01/2020 17:41	5.4	7.9	1015.9	919.8	12.6	5072
12/01/2020 17:56	5.4	7.7	1015.8	919.8	12.6	5072
12/01/2020 18:11	5.4	7.5	1016	919.8	12.6	5072
12/01/2020 18:26	5.4	7.4	1016	919.8	12.6	5071.5
12/01/2020 18:41	5.4	7.3	1016.3	919.9	12.6	5071.1

12/01/2020 18:56	5.4	7.1	1016.4	919.8	12.6	5071.5
12/01/2020 19:11	5.4	6.8	1016	920	12.6	5070.6
12/01/2020 19:26	5.4	6.5	1016.4	920	12.6	5070.6
12/01/2020 19:41	5.4	6.2	1016.5	920.1	12.6	5070.2
12/01/2020 19:56	5.4	6	1016.2	920.1	12.6	5070.2
12/01/2020 20:11	5.4	5.7	1016.1	920.1	12.6	5070.2
12/01/2020 20:26	5.4	5.5	1016.3	920.2	12.6	5069.7
12/01/2020 20:41	5.4	5.4	1016.4	920.1	12.6	5070.2
12/01/2020 20:56	5.4	5.3	1016.6	920.3	12.6	5069.3
12/01/2020 21:11	5.4	5.2	1016.5	920.3	12.6	5069.3
12/01/2020 21:26	5.4	5.1	1016.6	920.3	12.6	5069.3
12/01/2020 21:41	5.4	4.9	1016.2	920.4	12.6	5068.8
12/01/2020 21:56	5.4	4.8	1016.4	920.4	12.6	5068.8
12/01/2020 22:11	5.4	4.8	1016.6	920.4	12.6	5068.8
12/01/2020 22:26	5.4	4.8	1016.5	920.5	12.6	5068.4
12/01/2020 22:41	5.4	4.8	1016.8	920.4	12.6	5068.8
12/01/2020 22:56	5.4	4.8	1016.4	920.5	12.6	5068.4
12/01/2020 23:11	5.4	4.8	1016.4	920.4	12.6	5068.8
12/01/2020 23:26	5.4	4.8	1016.2	920.5	12.6	5068.4
12/01/2020 23:41	5.4	4.9	1016.5	920.4	12.6	5068.8
12/01/2020 23:56	5.4	4.9	1015.8	920.4	12.6	5068.8
13/01/2020 00:11	5.4	4.9	1015.9	920.3	12.6	5069.3
13/01/2020 00:26	5.4	5	1015.8	920.3	12.6	5069.3
13/01/2020 00:41	5.4	4.9	1015.7	920.3	12.6	5069.3
13/01/2020 00:56	5.4	4.9	1015.6	920.2	12.6	5069.7
13/01/2020 01:11	5.4	4.9	1015.2	920.1	12.6	5070.2
13/01/2020 01:26	5.4	4.9	1015.1	920	12.6	5070.6
13/01/2020 01:41	5.4	4.8	1015.3	920.1	12.6	5070.2
13/01/2020 01:56	5.4	4.7	1014.9	919.9	12.6	5071.1
13/01/2020 02:11	5.4	4.7	1014.8	919.9	12.6	5071.1
13/01/2020 02:26	5.4	4.7	1014.6	919.8	12.6	5071.5
13/01/2020 02:41	5.4	4.8	1014.5	919.8	12.6	5071.5
13/01/2020 02:56	5.4	4.8	1014.4	919.8	12.6	5072
13/01/2020 03:11	5.4	4.7	1014	919.7	12.6	5072.4
13/01/2020 03:26	5.4	4.7	1013.4	919.7	12.6	5072.4
13/01/2020 03:41	5.4	4.7	1013.7	919.7	12.6	5072.4
13/01/2020 03:56	5.4	4.7	1013.2	919.7	12.6	5072.4
13/01/2020 04:11	5.4	4.8	1013.3	919.7	12.6	5072.4
13/01/2020 04:26	5.4	5.1	1013.2	919.6	12.6	5072.9
13/01/2020 04:41	5.4	5.3	1012.7	919.7	12.6	5072.4
13/01/2020 04:56	5.4	5.5	1012.7	919.7	12.6	5072.4
13/01/2020 05:11	5.4	5.7	1012.6	919.7	12.6	5072.4
13/01/2020 05:26	5.4	5.9	1012.8	919.7	12.6	5072.4
13/01/2020 05:41	5.4	6.1	1012.3	919.7	12.6	5072.4
13/01/2020 05:56	5.4	6.3	1012	919.7	12.6	5072.4
13/01/2020 06:11	5.4	6.2	1012	919.7	12.6	5072.4
13/01/2020 06:26	5.4	6.3	1011.7	919.8	12.6	5072
13/01/2020 06:41	5.4	6.4	1011.7	919.7	12.6	5072.4
13/01/2020 06:56	5.4	6.5	1011.7	919.8	12.6	5072
13/01/2020 07:11	5.4	6.5	1011.4	919.8	12.6	5072

13/01/2020 07:26	5.4	6.6	1011.3	919.8	12.6	5072
13/01/2020 07:41	5.4	6.6	1011.5	919.6	12.6	5072.9
13/01/2020 07:56	5.4	6.6	1011.2	919.7	12.6	5072.4
13/01/2020 08:11	5.4	6.6	1011	919.8	12.6	5072
13/01/2020 08:26	5.4	6.7	1010.8	919.8	12.6	5072
13/01/2020 08:41	5.4	6.8	1010.6	919.8	12.6	5072
13/01/2020 08:56	5.4	7.6	1010.4	919.8	12.6	5072
13/01/2020 09:11	5.4	8.7	1010.1	919.8	12.6	5072
13/01/2020 09:26	5.4	9	1009.7	919.8	12.6	5072
13/01/2020 09:41	5.4	9.3	1009.7	919.8	12.6	5072
13/01/2020 09:56	5.4	10.1	1009.4	919.8	12.6	5071.5
13/01/2020 10:11	5.4	10.7	1009.4	919.8	12.6	5071.5
13/01/2020 10:26	5.4	10.9	1008.9	919.8	12.6	5071.5
13/01/2020 10:41	5.4	10.8	1008.6	919.9	12.6	5071.1
13/01/2020 10:56	5.4	10.7	1008.5	919.9	12.6	5071.1
13/01/2020 11:11	5.4	11.1	1007.9	919.9	12.6	5071.1
13/01/2020 11:26	5.4	11.7	1007.7	919.9	12.6	5071.1
13/01/2020 11:41	5.4	12.3	1007.2	919.9	12.6	5071.1
13/01/2020 11:56	5.4	12.4	1006.5	919.9	12.6	5071.1
13/01/2020 12:11	5.4	12.8	1006.1	919.9	12.6	5071.1
13/01/2020 12:26	5.4	12.7	1006.2	919.9	12.6	5071.1
13/01/2020 12:41	5.4	12.3	1005.6	919.9	12.6	5071.1
13/01/2020 12:56	5.4	11.9	1005.3	919.8	12.6	5071.5
13/01/2020 13:11	5.4	11.2	1004.7	919.8	12.6	5071.5
13/01/2020 13:26	5.4	11	1004.2	919.8	12.6	5072
13/01/2020 13:41	5.4	10.5	1003.6	919.8	12.6	5072
13/01/2020 13:56	5.4	10	1003.3	919.8	12.6	5072
13/01/2020 14:11	5.4	9.6	1002.8	919.7	12.6	5072.4
13/01/2020 14:26	5.4	9.4	1002.3	919.7	12.6	5072.4
13/01/2020 14:41	5.4	9.1	1002.1	919.7	12.6	5072.4
13/01/2020 14:56	5.4	8.9	1001.4	919.7	12.6	5072.4
13/01/2020 15:11	5.4	8.9	1001.3	919.8	12.6	5072
13/01/2020 15:26	5.4	8.9	1000.3	919.8	12.6	5072
13/01/2020 15:41	5.4	8.8	999.8	919.8	12.6	5072
13/01/2020 15:56	5.4	8.8	998.9	919.7	12.6	5072.4
13/01/2020 16:11	5.4	8.8	999.2	919.7	12.6	5072.4
13/01/2020 16:26	5.4	8.9	998.9	919.8	12.6	5072
13/01/2020 16:41	5.4	9.1	998.4	919.8	12.6	5072
13/01/2020 16:56	5.4	9.1	998.2	919.7	12.6	5072.4
13/01/2020 17:11	5.4	9.1	998	919.6	12.6	5072.9
13/01/2020 17:26	5.4	9.2	997.6	919.6	12.6	5072.9
13/01/2020 17:41	5.4	9.3	997.4	919.6	12.6	5072.9
13/01/2020 17:56	5.4	9.4	996.7	919.6	12.6	5072.9
13/01/2020 18:11	5.4	9.5	996.5	919.4	12.6	5073.8
13/01/2020 18:26	5.4	9.7	995.9	919.4	12.6	5073.8
13/01/2020 18:41	5.4	9.9	995.5	919.5	12.6	5073.3
13/01/2020 18:56	5.4	10.1	995.1	919.5	12.6	5073.3
13/01/2020 19:11	5.4	10.3	995	919.5	12.6	5073.3
13/01/2020 19:26	5.4	10.1	994.9	919.6	12.6	5072.9
13/01/2020 19:41	5.4	9.9	994.6	919.6	12.6	5072.9

13/01/2020 19:56	5.4	9.9	994	919.6	12.6	5072.9
13/01/2020 20:11	5.4	9.9	993.6	919.6	12.6	5072.9
13/01/2020 20:26	5.4	9.9	993.2	919.6	12.6	5072.9
13/01/2020 20:41	5.4	10	993.4	919.6	12.6	5072.9
13/01/2020 20:56	5.4	10	992.9	919.6	12.6	5072.9
13/01/2020 21:11	5.4	10	992.4	919.6	12.6	5072.9
13/01/2020 21:26	5.4	10	992.6	919.8	12.6	5072
13/01/2020 21:41	5.4	10	992.4	919.6	12.6	5072.9
13/01/2020 21:56	5.4	10	992.5	919.6	12.6	5072.9
13/01/2020 22:11	5.4	10	991.8	919.8	12.6	5072
13/01/2020 22:26	5.4	10	991.7	919.7	12.6	5072.4
13/01/2020 22:41	5.4	10.1	991.9	919.8	12.6	5072
13/01/2020 22:56	5.4	10.2	991.8	919.8	12.6	5072
13/01/2020 23:11	5.4	10.2	991.8	919.7	12.6	5072.4
13/01/2020 23:26	5.4	10.2	992.4	919.7	12.6	5072.4
13/01/2020 23:41	5.4	9.7	992.8	919.8	12.6	5072
13/01/2020 23:56	5.4	9.1	992.9	919.8	12.6	5072
14/01/2020 00:11	5.4	8.6	993.1	919.8	12.6	5072
14/01/2020 00:26	5.4	8.3	992.9	919.6	12.6	5072.9
14/01/2020 00:41	5.4	8	993	919.7	12.6	5072.4
14/01/2020 00:56	5.4	7.9	993	919.7	12.6	5072.4
14/01/2020 01:11	5.4	7.8	993	919.7	12.6	5072.4
14/01/2020 01:26	5.4	7.7	993.5	919.8	12.6	5072
14/01/2020 01:41	5.4	7.7	993.8	919.6	12.6	5072.9
14/01/2020 01:56	5.4	7.7	993.5	919.7	12.6	5072.4
14/01/2020 02:11	5.4	7.7	993.4	919.6	12.6	5072.9
14/01/2020 02:26	5.4	7.6	993.5	919.6	12.6	5072.9
14/01/2020 02:41	5.4	7.7	993.1	919.6	12.6	5072.9
14/01/2020 02:56	5.4	7.6	993.2	919.6	12.6	5072.9
14/01/2020 03:11	5.4	7.6	993.7	919.4	12.6	5073.8
14/01/2020 03:26	5.4	7.6	993.8	919.3	12.6	5074.2
14/01/2020 03:41	5.4	7.5	993.8	919.4	12.6	5073.8
14/01/2020 03:56	5.4	7.5	993.9	919.3	12.6	5074.2
14/01/2020 04:11	5.4	7.5	994.2	919.3	12.6	5074.2
14/01/2020 04:26	5.4	7.5	994.1	919.3	12.6	5074.2
14/01/2020 04:41	5.4	7.5	994.2	919.3	12.6	5074.2
14/01/2020 04:56	5.4	7.4	994.6	919.2	12.6	5074.7
14/01/2020 05:11	5.4	7.4	994.9	919.1	12.6	5075.1
14/01/2020 05:26	5.4	7.4	994.8	919.1	12.6	5075.1
14/01/2020 05:41	5.4	7.3	994.7	918.9	12.6	5076
14/01/2020 05:56	5.4	7.3	995.2	919	12.6	5075.6
14/01/2020 06:11	5.4	7.2	995.3	918.9	12.6	5076
14/01/2020 06:26	5.4	7.2	995.4	918.9	12.6	5076
14/01/2020 06:41	5.4	7.2	995.4	919	12.6	5075.6
14/01/2020 06:56	5.4	7.2	995.4	919	12.6	5075.6
14/01/2020 07:11	5.4	7.2	995.4	919.1	12.6	5075.1
14/01/2020 07:26	5.4	7.2	995.3	919.2	12.6	5074.7
14/01/2020 07:41	5.4	7.3	995.6	919.3	12.6	5074.2
14/01/2020 07:56	5.4	7.4	995.5	919.4	12.6	5073.8
14/01/2020 08:11	5.4	7.5	995.4	919.5	12.6	5073.3

14/01/2020 08:26	5.4	7.6	995.7	919.5	12.6	5073.3
14/01/2020 08:41	5.4	7.9	995.6	919.6	12.6	5072.9
14/01/2020 08:56	5.4	8.2	995.6	919.7	12.6	5072.4
14/01/2020 09:11	5.4	8.5	995.7	919.7	12.6	5072.4
14/01/2020 09:26	5.4	8.7	995.8	919.6	12.6	5072.9
14/01/2020 09:41	5.4	8.9	995.9	919.7	12.6	5072.4
14/01/2020 09:56	5.4	9	996.1	919.7	12.6	5072.4
14/01/2020 10:11	5.4	9.2	995.9	919.6	12.6	5072.9
14/01/2020 10:26	5.4	9.4	995.6	919.8	12.6	5072
14/01/2020 10:41	5.4	9.7	995.5	919.8	12.6	5072
14/01/2020 10:56	5.4	9.8	995.3	919.7	12.6	5072.4
14/01/2020 11:11	5.4	9.8	995	919.7	12.6	5072.4
14/01/2020 11:26	5.4	9.6	994.2	919.8	12.6	5072
14/01/2020 11:41	5.4	9.6	994.2	919.7	12.6	5072.4
14/01/2020 11:56	5.4	9.6	993.8	919.8	12.6	5072
14/01/2020 12:11	5.4	9.6	993.2	919.7	12.6	5072.4
14/01/2020 12:26	5.4	9.7	993.3	919.8	12.6	5072
14/01/2020 12:41	5.4	9.9	992.5	919.7	12.6	5072.4
14/01/2020 12:56	5.4	10	992.4	919.7	12.6	5072.4
14/01/2020 13:11	5.4	10.1	991.9	919.8	12.6	5072
14/01/2020 13:26	5.4	10.2	991.7	919.6	12.6	5072.9
14/01/2020 13:41	5.4	10.1	991.2	919.7	12.6	5072.4
14/01/2020 13:56	5.4	10.1	990.9	919.7	12.6	5072.4
14/01/2020 14:11	5.4	10.2	990.4	919.7	12.6	5072.4
14/01/2020 14:26	5.4	10.3	990.4	919.7	12.6	5072.4
14/01/2020 14:41	5.4	10.5	990.1	919.7	12.6	5072.4
14/01/2020 14:56	5.4	10.7	989.6	919.7	12.6	5072.4
14/01/2020 15:11	5.4	10.9	989.6	919.7	12.6	5072.4
14/01/2020 15:26	5.4	11.1	989.7	919.6	12.6	5072.9
14/01/2020 15:41	5.4	11.3	989.8	919.7	12.6	5072.4
14/01/2020 15:56	5.4	11.5	989.8	919.6	12.6	5072.9
14/01/2020 16:11	5.4	11.6	989.4	919.7	12.6	5072.4
14/01/2020 16:26	5.4	11.8	989.6	919.6	12.6	5072.9
14/01/2020 16:41	5.4	11.9	989.8	919.7	12.6	5072.4
14/01/2020 16:56	5.4	11.9	989.8	919.6	12.6	5072.9
14/01/2020 17:11	5.4	11.9	990.2	919.6	12.6	5072.9
14/01/2020 17:26	5.4	11.9	990.4	919.6	12.6	5072.9
14/01/2020 17:41	5.4	11.9	990.2	919.6	12.6	5072.9
14/01/2020 17:56	5.4	11.8	990.2	919.5	12.6	5073.3
14/01/2020 18:11	5.4	11.8	990.5	919.5	12.6	5073.3
14/01/2020 18:26	5.4	11.8	990.8	919.4	12.6	5073.8
14/01/2020 18:41	5.4	11.9	990.4	919.5	12.6	5073.3
14/01/2020 18:56	5.4	11.9	990.7	919.5	12.6	5073.3
14/01/2020 19:11	5.4	12	990.6	919.6	12.6	5072.9
14/01/2020 19:26	5.4	12	991	919.6	12.6	5072.9
14/01/2020 19:41	5.4	12.1	990.9	919.6	12.6	5072.9
14/01/2020 19:56	5.4	12.1	991.3	919.7	12.6	5072.4
14/01/2020 20:11	5.4	12.1	991.1	919.7	12.6	5072.4
14/01/2020 20:26	5.4	12.1	991.3	919.6	12.6	5072.9
14/01/2020 20:41	5.4	12.1	991.3	919.7	12.6	5072.4

14/01/2020 20:56	5.4	12.2	991.5	919.8	12.6	5072
14/01/2020 21:11	5.4	12.2	991.6	919.7	12.6	5072.4
14/01/2020 21:26	5.4	12.3	991.9	919.7	12.6	5072.4
14/01/2020 21:41	5.4	12.3	992.4	919.7	12.6	5072.4
14/01/2020 21:56	5.4	12.2	992.6	919.7	12.6	5072.4
14/01/2020 22:11	5.4	12.2	992.7	919.7	12.6	5072.4
14/01/2020 22:26	5.4	12.2	993	919.7	12.6	5072.4
14/01/2020 22:41	5.4	12.1	993.2	919.7	12.6	5072.4
14/01/2020 22:56	5.4	12	993.7	919.6	12.6	5072.9
14/01/2020 23:11	5.4	11.9	993.5	919.6	12.6	5072.9
14/01/2020 23:26	5.4	11.9	994.1	919.7	12.6	5072.4
14/01/2020 23:41	5.4	11.9	994.2	919.8	12.6	5072
14/01/2020 23:56	5.4	11.9	994.1	919.7	12.6	5072.4
15/01/2020 00:11	5.4	11.6	994.1	919.7	12.6	5072.4
15/01/2020 00:26	5.4	11.3	994.5	919.6	12.6	5072.9
15/01/2020 00:41	5.4	11.1	994.1	919.7	12.6	5072.4
15/01/2020 00:56	5.4	11	994.1	919.6	12.6	5072.9
15/01/2020 01:11	5.4	11	994	919.6	12.6	5072.9
15/01/2020 01:26	5.4	11	993.9	919.6	12.6	5072.9
15/01/2020 01:41	5.4	11.2	994.2	919.7	12.6	5072.4
15/01/2020 01:56	5.4	11.3	993.8	919.7	12.6	5072.4
15/01/2020 02:11	5.4	11.5	993.8	919.6	12.6	5072.9
15/01/2020 02:26	5.4	11.7	994.1	919.7	12.6	5072.4
15/01/2020 02:41	5.4	11.9	994.4	919.7	12.6	5072.4
15/01/2020 02:56	5.4	12.1	994.5	919.7	12.6	5072.4
15/01/2020 03:11	5.4	12.3	994.2	919.7	12.6	5072.4
15/01/2020 03:26	5.4	12.4	994.2	919.7	12.6	5072.4
15/01/2020 03:41	5.4	12.2	994.6	919.8	12.6	5072
15/01/2020 03:56	5.4	11.9	994.9	919.6	12.6	5072.9
15/01/2020 04:11	5.4	11.9	995	919.7	12.6	5072.4
15/01/2020 04:26	5.4	12	995	919.7	12.6	5072.4
15/01/2020 04:41	5.4	12	995.3	919.8	12.6	5072
15/01/2020 04:56	5.4	11.9	996.3	919.8	12.6	5072
15/01/2020 05:11	5.4	11.1	996.3	919.8	12.6	5072
15/01/2020 05:26	5.4	10.4	996.8	919.6	12.6	5072.9
15/01/2020 05:41	5.4	9.9	997.1	919.7	12.6	5072.4
15/01/2020 05:56	5.4	9.6	997.4	919.6	12.6	5072.9
15/01/2020 06:11	5.4	9.3	997.8	919.6	12.6	5072.9
15/01/2020 06:26	5.4	9.2	997.6	919.6	12.6	5072.9
15/01/2020 06:41	5.4	9	997.5	919.6	12.6	5072.9
15/01/2020 06:56	5.4	8.9	997.6	919.6	12.6	5072.9
15/01/2020 07:11	5.4	8.8	997.4	919.6	12.6	5072.9
15/01/2020 07:26	5.4	8.7	997.6	919.6	12.6	5072.9
15/01/2020 07:41	5.4	8.6	998.1	919.6	12.6	5072.9
15/01/2020 07:56	5.4	8.6	998.3	919.6	12.6	5072.9
15/01/2020 08:11	5.4	8.5	998.4	919.6	12.6	5072.9
15/01/2020 08:26	5.4	8.4	998.5	919.7	12.6	5072.4
15/01/2020 08:41	5.4	8.3	999	919.8	12.6	5072
15/01/2020 08:56	5.4	8.3	999.2	919.7	12.6	5072.4
15/01/2020 09:11	5.4	8.2	999.7	919.7	12.6	5072.4

15/01/2020 09:26	5.4	8.1	1000	919.8	12.6	5072
15/01/2020 09:41	5.4	8	1000.6	919.8	12.6	5072
15/01/2020 09:56	5.4	7.9	1000.6	919.7	12.6	5072.4
15/01/2020 10:11	5.4	7.8	1001.5	919.6	12.6	5072.9
15/01/2020 10:26	5.4	7.7	1001.4	919.8	12.6	5072
15/01/2020 10:41	5.4	7.6	1001.3	919.7	12.6	5072.4
15/01/2020 10:56	5.4	7.7	1001.3	919.7	12.6	5072.4
15/01/2020 11:11	5.4	7.7	1001.8	919.8	12.6	5072
15/01/2020 11:26	5.4	7.6	1002	919.7	12.6	5072.4
15/01/2020 11:41	5.4	7.5	1002.4	919.8	12.6	5072
15/01/2020 11:56	5.4	7.4	1002.2	919.8	12.6	5072
15/01/2020 12:11	5.4	7.5	1002.5	919.8	12.6	5071.5
15/01/2020 12:26	5.4	7.6	1003.1	919.8	12.6	5071.5
15/01/2020 12:41	5.4	7.8	1002.7	919.9	12.6	5071.1
15/01/2020 12:56	5.4	7.9	1002.8	919.9	12.6	5071.1
15/01/2020 13:11	5.4	8	1003.2	919.9	12.6	5071.1
15/01/2020 13:26	5.4	8.9	1003.8	919.9	12.6	5071.1
15/01/2020 13:41	5.4	10.1	1003.8	919.9	12.6	5071.1
15/01/2020 13:56	5.4	11.1	1004	919.9	12.6	5071.1
15/01/2020 14:11	5.4	11.6	1004.7	919.9	12.6	5071.1
15/01/2020 14:26	5.4	11.6	1004.9	919.9	12.6	5071.1
15/01/2020 14:41	5.4	11.2	1005.4	919.9	12.6	5071.1
15/01/2020 14:56	5.4	11	1005.7	919.9	12.6	5071.1
15/01/2020 15:11	5.4	10.9	1006	919.8	12.6	5071.5
15/01/2020 15:26	5.4	10.5	1006.5	919.8	12.6	5071.5
15/01/2020 15:41	5.4	9.8	1006.7	919.8	12.6	5071.5
15/01/2020 15:56	5.4	9	1007.2	919.7	12.6	5072.4
15/01/2020 16:11	5.4	8.4	1007.6	919.8	12.6	5072
15/01/2020 16:26	5.4	7.8	1007.7	919.8	12.6	5072
15/01/2020 16:41	5.4	7.3	1008.2	919.7	12.6	5072.4
15/01/2020 16:56	5.4	7	1008.5	919.7	12.6	5072.4
15/01/2020 17:11	5.4	6.8	1009	919.8	12.6	5072
15/01/2020 17:26	5.4	6.7	1009	919.6	12.6	5072.9
15/01/2020 17:41	5.4	6.6	1009.4	919.7	12.6	5072.4
15/01/2020 17:56	5.4	6.5	1009.9	919.7	12.6	5072.4
15/01/2020 18:11	5.4	6.3	1010.3	919.7	12.6	5072.4
15/01/2020 18:26	5.4	6.2	1010.4	919.6	12.6	5072.9
15/01/2020 18:41	5.4	6.2	1010.8	919.7	12.6	5072.4
15/01/2020 18:56	5.4	6.3	1010.9	919.6	12.6	5072.9
15/01/2020 19:11	5.4	6.3	1011.2	919.8	12.6	5072
15/01/2020 19:26	5.4	6.4	1011.8	919.7	12.6	5072.4
15/01/2020 19:41	5.4	6.5	1011.6	919.7	12.6	5072.4
15/01/2020 19:56	5.4	6.5	1012.1	919.6	12.6	5072.9
15/01/2020 20:11	5.4	6.6	1012.4	919.7	12.6	5072.4
15/01/2020 20:26	5.4	6.6	1012.6	919.8	12.6	5072
15/01/2020 20:41	5.4	6.6	1012.7	919.7	12.6	5072.4
15/01/2020 20:56	5.4	6.7	1012.9	919.8	12.6	5072
15/01/2020 21:11	5.4	6.7	1013.3	919.8	12.6	5072
15/01/2020 21:26	5.4	6.8	1013.3	919.8	12.6	5072
15/01/2020 21:41	5.4	6.8	1013.7	919.8	12.6	5072

15/01/2020 21:56	5.4	6.7	1013.9	919.8	12.6	5071.5
15/01/2020 22:11	5.4	6.7	1014.1	919.8	12.6	5071.5
15/01/2020 22:26	5.4	6.6	1014.4	919.9	12.6	5071.1
15/01/2020 22:41	5.4	6.6	1014.7	919.9	12.6	5071.1
15/01/2020 22:56	5.4	6.5	1015.1	920	12.6	5070.6
15/01/2020 23:11	5.4	6.5	1015.2	920.1	12.6	5070.2
15/01/2020 23:26	5.4	6.5	1015.4	920.1	12.6	5070.2
15/01/2020 23:41	5.4	6.5	1015.7	920.1	12.6	5070.2
15/01/2020 23:56	5.4	6.6	1015.4	920.3	12.6	5069.3
16/01/2020 00:11	5.4	6.6	1015.5	920.3	12.6	5069.3
16/01/2020 00:26	5.4	6.6	1015.1	920.3	12.6	5069.3
16/01/2020 00:41	5.4	6.7	1015	920.3	12.6	5069.3
16/01/2020 00:56	5.4	6.6	1015.6	920.4	12.6	5068.8
16/01/2020 01:11	5.4	6.5	1015.7	920.4	12.6	5068.8
16/01/2020 01:26	5.4	6.4	1016.1	920.5	12.6	5068.4
16/01/2020 01:41	5.4	6.3	1015.9	920.4	12.6	5068.8
16/01/2020 01:56	5.4	6.3	1016.1	920.4	12.6	5068.8
16/01/2020 02:11	5.4	6.5	1016.3	920.4	12.6	5068.8
16/01/2020 02:26	5.4	6.6	1016.4	920.3	12.6	5069.3
16/01/2020 02:41	5.4	6.7	1016.7	920.4	12.6	5068.8
16/01/2020 02:56	5.4	6.9	1017.2	920.4	12.6	5068.8
16/01/2020 03:11	5.4	7	1016.9	920.4	12.6	5068.8
16/01/2020 03:26	5.4	7.1	1017.2	920.4	12.6	5068.8
16/01/2020 03:41	5.4	7.1	1017.3	920.3	12.6	5069.3
16/01/2020 03:56	5.4	7	1017.1	920.2	12.6	5069.7
16/01/2020 04:11	5.4	6.9	1017	920.1	12.6	5070.2
16/01/2020 04:26	5.4	6.9	1016.8	920	12.6	5070.6
16/01/2020 04:41	5.4	6.9	1016.9	919.9	12.6	5071.1
16/01/2020 04:56	5.4	7	1016.8	919.9	12.6	5071.1
16/01/2020 05:11	5.4	7	1017	919.8	12.6	5071.5
16/01/2020 05:26	5.4	6.9	1017.1	919.8	12.6	5071.5
16/01/2020 05:41	5.4	7	1016.8	919.8	12.6	5071.5
16/01/2020 05:56	5.4	7.1	1016.9	919.8	12.6	5071.5
16/01/2020 06:11	5.4	7.3	1017	919.8	12.6	5072
16/01/2020 06:26	5.4	7.5	1016.5	919.8	12.6	5072
16/01/2020 06:41	5.4	7.7	1016.2	919.8	12.6	5072
16/01/2020 06:56	5.4	7.8	1016.4	919.7	12.6	5072.4
16/01/2020 07:11	5.4	7.9	1016.3	919.7	12.6	5072.4
16/01/2020 07:26	5.4	8	1016	919.8	12.6	5072
16/01/2020 07:41	5.4	8.1	1016.2	919.8	12.6	5072
16/01/2020 07:56	5.4	8.2	1016.4	919.7	12.6	5072.4
16/01/2020 08:11	5.4	9.7	1016	919.7	12.6	5072.4
16/01/2020 08:26	5.4	8.8	1016	919.6	12.6	5072.9
16/01/2020 08:41	5.4	8.9	1015.7	919.7	12.6	5072.4
16/01/2020 08:56	5.4	9.3	1015.7	919.7	12.6	5072.4
16/01/2020 09:11	5.4	9.6	1015.3	919.7	12.6	5072.4
16/01/2020 09:26	5.4	9.6	1015.2	919.8	12.6	5072
16/01/2020 09:41	5.4	9.8	1015.5	919.8	12.6	5072
16/01/2020 09:56	5.4	9.7	1015.3	919.8	12.6	5071.5
16/01/2020 10:11	5.4	9.7	1015.4	919.8	12.6	5072

16/01/2020 10:26	5.4	10.1	1015	919.8	12.6	5071.5
16/01/2020 10:41	5.4	10.3	1015	919.8	12.6	5071.5
16/01/2020 10:56	5.4	10.4	1014.8	919.8	12.6	5071.5
16/01/2020 11:11	5.4	10.9	1014.2	919.9	12.6	5071.1
16/01/2020 11:26	5.4	11.6	1014	919.9	12.6	5071.1
16/01/2020 11:41	5.4	11.7	1014	919.9	12.6	5071.1
16/01/2020 11:56	5.4	10.9	1013.4	919.9	12.6	5071.1
16/01/2020 12:11	5.4	10.4	1013.3	919.9	12.6	5071.1
16/01/2020 12:26	5.4	10.2	1012.8	920	12.6	5070.6
16/01/2020 12:41	5.4	10.1	1012.5	920	12.6	5070.6
16/01/2020 12:56	5.4	10.1	1012.4	920.1	12.6	5070.2
16/01/2020 13:11	5.4	10.1	1011.9	920.1	12.6	5070.2
16/01/2020 13:26	5.4	11	1011.6	920	12.6	5070.6
16/01/2020 13:41	5.4	11.2	1011.2	920.1	12.6	5070.2
16/01/2020 13:56	5.4	11	1011.7	920.1	12.6	5070.2
16/01/2020 14:11	5.4	10.9	1011.1	920.1	12.6	5070.2
16/01/2020 14:26	5.4	10.8	1011	920.1	12.6	5070.2
16/01/2020 14:41	5.4	10.8	1010.7	920.1	12.6	5070.2
16/01/2020 14:56	5.4	10.5	1010.3	920.1	12.6	5070.2
16/01/2020 15:11	5.4	10.1	1010	920.1	12.6	5070.2
16/01/2020 15:26	5.4	10	1009.8	920.1	12.6	5070.2
16/01/2020 15:41	5.4	9.9	1009.9	919.9	12.6	5071.1
16/01/2020 15:56	5.4	9.9	1009.6	919.9	12.6	5071.1
16/01/2020 16:11	5.4	9.8	1009.3	919.8	12.6	5071.5
16/01/2020 16:26	5.4	9.8	1009.5	919.8	12.6	5071.5
16/01/2020 16:41	5.4	10	1009.5	919.8	12.6	5072
16/01/2020 16:56	5.4	10.2	1009.6	919.7	12.6	5072.4
16/01/2020 17:11	5.4	10.3	1009.1	919.8	12.6	5072
16/01/2020 17:26	5.4	10.2	1009.2	919.7	12.6	5072.4
16/01/2020 17:41	5.4	10.3	1009	919.7	12.6	5072.4
16/01/2020 17:56	5.4	10.5	1009.1	919.6	12.6	5072.9
16/01/2020 18:11	5.4	10.5	1009.2	919.7	12.6	5072.4
16/01/2020 18:26	5.4	10.5	1008.7	919.6	12.6	5072.9
16/01/2020 18:41	5.4	10.4	1008.5	919.7	12.6	5072.4
16/01/2020 18:56	5.4	10.3	1008.5	919.6	12.6	5072.9
16/01/2020 19:11	5.4	10	1008	919.7	12.6	5072.4
16/01/2020 19:26	5.4	10.1	1008	919.8	12.6	5072
16/01/2020 19:41	5.4	10.3	1007.5	919.8	12.6	5072
16/01/2020 19:56	5.4	10.5	1007.6	919.7	12.6	5072.4
16/01/2020 20:11	5.4	10.8	1007.5	919.7	12.6	5072.4
16/01/2020 20:26	5.4	10.9	1007.4	919.8	12.6	5072
16/01/2020 20:41	5.4	10.9	1007.4	919.8	12.6	5072
16/01/2020 20:56	5.4	11	1007.8	919.7	12.6	5072.4
16/01/2020 21:11	5.4	11	1007.5	919.6	12.6	5072.9
16/01/2020 21:26	5.4	11	1007.3	919.7	12.6	5072.4
16/01/2020 21:41	5.4	10.9	1007.4	919.7	12.6	5072.4
16/01/2020 21:56	5.4	10.9	1007.5	919.7	12.6	5072.4
16/01/2020 22:11	5.4	11	1007.3	919.7	12.6	5072.4
16/01/2020 22:26	5.4	11	1007.4	919.6	12.6	5072.9
16/01/2020 22:41	5.4	11	1007.3	919.6	12.6	5072.9

16/01/2020 22:56	5.4	10.9	1007.4	919.7	12.6	5072.4
16/01/2020 23:11	5.4	10.8	1007.5	919.6	12.6	5072.9
16/01/2020 23:26	5.4	10.8	1007.1	919.6	12.6	5072.9
16/01/2020 23:41	5.4	10.7	1007.1	919.7	12.6	5072.4
16/01/2020 23:56	5.4	10.6	1007.2	919.7	12.6	5072.4
17/01/2020 00:11	5.4	10.4	1007.3	919.7	12.6	5072.4
17/01/2020 00:26	5.4	10.2	1007.2	919.7	12.6	5072.4
17/01/2020 00:41	5.4	10	1007.3	919.8	12.6	5072
17/01/2020 00:56	5.4	9.9	1007.1	919.8	12.6	5072
17/01/2020 01:11	5.4	9.8	1006.8	919.8	12.6	5072
17/01/2020 01:26	5.4	9.7	1006.5	919.8	12.6	5072
17/01/2020 01:41	5.4	9.6	1006.6	919.8	12.6	5072
17/01/2020 01:56	5.4	9.6	1006.8	919.8	12.6	5072
17/01/2020 02:11	5.4	9.6	1006.4	919.8	12.6	5072
17/01/2020 02:26	5.4	9.4	1006.6	919.8	12.6	5072
17/01/2020 02:41	5.4	9.4	1006.2	919.8	12.6	5072
17/01/2020 02:56	5.4	9.4	1006.6	919.8	12.6	5072
17/01/2020 03:11	5.4	9.4	1006.6	919.8	12.6	5072
17/01/2020 03:26	5.4	9.4	1006.3	919.8	12.6	5072
17/01/2020 03:41	5.4	9.4	1006.4	919.8	12.6	5071.5
17/01/2020 03:56	5.4	9.5	1006	919.8	12.6	5072
17/01/2020 04:11	5.4	9.6	1006	919.7	12.6	5072.4
17/01/2020 04:26	5.4	9.6	1005.6	919.7	12.6	5072.4
17/01/2020 04:41	5.4	9.6	1006	919.8	12.6	5072
17/01/2020 04:56	5.4	9.6	1005.5	919.8	12.6	5072
17/01/2020 05:11	5.4	9.5	1005.5	919.7	12.6	5072.4
17/01/2020 05:26	5.4	9.5	1005.5	919.6	12.6	5072.9
17/01/2020 05:41	5.4	9.5	1005.5	919.6	12.6	5072.9
17/01/2020 05:56	5.4	9.5	1005.4	919.6	12.6	5072.9
17/01/2020 06:11	5.4	9.6	1005.3	919.6	12.6	5072.9
17/01/2020 06:26	5.4	9.6	1005.3	919.6	12.6	5072.9
17/01/2020 06:41	5.4	9.6	1005.4	919.6	12.6	5072.9
17/01/2020 06:56	5.4	9.6	1005.2	919.8	12.6	5072
17/01/2020 07:11	5.4	9.6	1005.4	919.8	12.6	5072
17/01/2020 07:26	5.4	9.6	1005.5	919.8	12.6	5072
17/01/2020 07:41	5.4	9.5	1005.6	919.8	12.6	5072
17/01/2020 07:56	5.4	9.3	1005.7	919.8	12.6	5072
17/01/2020 08:11	5.4	9.2	1005.7	919.8	12.6	5072
17/01/2020 08:26	5.4	9.2	1005.8	919.6	12.6	5072.9
17/01/2020 08:41	5.4	9.3	1005.5	919.7	12.6	5072.4
17/01/2020 08:56	5.4	9.3	1006	919.7	12.6	5072.4
17/01/2020 09:11	5.4	9.4	1005.8	919.8	12.6	5072
17/01/2020 09:26	5.4	9.4	1005.5	919.8	12.6	5072
17/01/2020 09:41	5.4	9.6	1005.8	919.7	12.6	5072.4
17/01/2020 09:56	5.4	9.7	1005.7	919.6	12.6	5072.9
17/01/2020 10:11	5.4	10	1006.1	919.7	12.6	5072.4
17/01/2020 10:26	5.4	10.3	1006.1	919.8	12.6	5072
17/01/2020 10:41	5.4	10.6	1005.7	919.8	12.6	5072
17/01/2020 10:56	5.4	10.9	1006.1	919.7	12.6	5072.4
17/01/2020 11:11	5.4	11.3	1005.9	919.6	12.6	5072.9

17/01/2020 11:26	5.4	11.9	1005.6	919.7	12.6	5072.4
17/01/2020 11:41	5.4	12.8	1005.5	919.6	12.6	5072.9
17/01/2020 11:56	5.4	13.7	1005.1	919.7	12.6	5072.4
17/01/2020 12:11	5.4	14	1005.2	919.6	12.6	5072.9
17/01/2020 12:26	5.4	13.6	1005	919.7	12.6	5072.4
17/01/2020 12:41	5.4	14	1005	919.6	12.6	5072.9
17/01/2020 12:56	5.4	13.9	1004.9	919.8	12.6	5072
17/01/2020 13:11	5.4	13.7	1005.2	919.7	12.6	5072.4
17/01/2020 13:26	5.4	13.8	1005.2	919.8	12.6	5072
17/01/2020 13:41	5.4	13	1005.1	919.8	12.6	5072
17/01/2020 13:56	5.4	11.9	1005.6	919.8	12.6	5071.5
17/01/2020 14:11	5.4	11.2	1005.8	919.8	12.6	5071.5
17/01/2020 14:26	5.4	10.8	1006.4	919.9	12.6	5071.1
17/01/2020 14:41	5.4	10.2	1006.9	919.9	12.6	5071.1
17/01/2020 14:56	5.4	9.5	1007.5	920	12.6	5070.6
17/01/2020 15:11	5.4	8.6	1007.9	920	12.6	5070.6
17/01/2020 15:26	5.4	7.9	1008.5	920	12.6	5070.6
17/01/2020 15:41	5.4	7.4	1008.9	920.1	12.6	5070.2
17/01/2020 15:56	5.4	7.1	1009.2	920.1	12.6	5070.2
17/01/2020 16:11	5.4	6.9	1009.7	920.1	12.6	5070.2
17/01/2020 16:26	5.4	6.7	1009.7	920.1	12.6	5070.2
17/01/2020 16:41	5.4	6.5	1010.3	920.1	12.6	5070.2
17/01/2020 16:56	5.4	6.2	1010.8	920.1	12.6	5070.2
17/01/2020 17:11	5.4	5.9	1010.9	920.1	12.6	5070.2
17/01/2020 17:26	5.4	5.6	1011.5	920	12.6	5070.6
17/01/2020 17:41	5.4	5.4	1011.5	919.9	12.6	5071.1
17/01/2020 17:56	5.4	5.3	1011.5	920	12.6	5070.6
17/01/2020 18:11	5.4	5.1	1011.8	919.9	12.6	5071.1
17/01/2020 18:26	5.4	5	1012.1	919.9	12.6	5071.1
17/01/2020 18:41	5.4	5	1012.1	919.9	12.6	5071.1
17/01/2020 18:56	5.4	4.9	1012.3	919.9	12.6	5071.1
17/01/2020 19:11	5.4	4.9	1012.8	919.8	12.6	5071.5
17/01/2020 19:26	5.4	4.8	1012.5	919.8	12.6	5071.5
17/01/2020 19:41	5.4	4.8	1012.5	919.8	12.6	5071.5
17/01/2020 19:56	5.4	4.7	1012.8	919.8	12.6	5072
17/01/2020 20:11	5.4	4.6	1012.7	919.8	12.6	5072
17/01/2020 20:26	5.4	4.5	1013.2	919.8	12.6	5072
17/01/2020 20:41	5.4	4.3	1013.2	919.8	12.6	5071.5
17/01/2020 20:56	5.4	4.2	1013.5	919.8	12.6	5071.5
17/01/2020 21:11	5.4	4.1	1013.9	919.8	12.6	5072
17/01/2020 21:26	5.4	4	1013.7	919.8	12.6	5071.5
17/01/2020 21:41	5.4	3.9	1013.7	919.8	12.6	5072
17/01/2020 21:56	5.4	3.8	1014.1	919.8	12.6	5071.5
17/01/2020 22:11	5.4	3.8	1014	919.9	12.6	5071.1
17/01/2020 22:26	5.4	3.7	1014.4	919.9	12.6	5071.1
17/01/2020 22:41	5.4	3.5	1014.7	919.9	12.6	5071.1
17/01/2020 22:56	5.4	3.4	1014.5	920	12.6	5070.6
17/01/2020 23:11	5.4	3.4	1014.7	920	12.6	5070.6
17/01/2020 23:26	5.4	3.3	1014.6	920.1	12.6	5070.2
17/01/2020 23:41	5.4	3.3	1014.8	920.1	12.6	5070.2

17/01/2020 23:56	5.4	3.2	1015.1	920.2	12.6	5069.7
18/01/2020 00:11	5.4	3.2	1015.2	920.2	12.6	5069.7
18/01/2020 00:26	5.4	3.1	1015.3	920.3	12.6	5069.3
18/01/2020 00:41	5.4	3	1015.3	920.4	12.6	5068.8
18/01/2020 00:56	5.5	3	1015.7	920.4	12.6	5068.8
18/01/2020 01:11	5.4	2.9	1015.8	920.5	12.6	5068.4
18/01/2020 01:26	5.5	2.8	1016	920.5	12.6	5068.4
18/01/2020 01:41	5.5	2.8	1016.2	920.5	12.6	5068.4
18/01/2020 01:56	5.5	2.8	1016.7	920.5	12.6	5068.4
18/01/2020 02:11	5.5	2.9	1016.2	920.6	12.6	5067.9
18/01/2020 02:26	5.5	2.8	1016.7	920.6	12.6	5067.9
18/01/2020 02:41	5.5	2.7	1016.4	920.6	12.6	5067.9
18/01/2020 02:56	5.5	2.6	1016.8	920.6	12.6	5067.9
18/01/2020 03:11	5.5	2.6	1016.8	920.6	12.6	5067.9
18/01/2020 03:26	5.5	2.5	1017.3	920.6	12.6	5067.9
18/01/2020 03:41	5.5	2.4	1017.1	920.6	12.6	5067.9
18/01/2020 03:56	5.5	2.4	1017.4	920.6	12.6	5067.9
18/01/2020 04:11	5.5	2.4	1017.1	920.6	12.6	5067.9
18/01/2020 04:26	5.5	2.4	1017.1	920.6	12.6	5067.9
18/01/2020 04:41	5.5	2.3	1017.5	920.6	12.6	5067.9
18/01/2020 04:56	5.5	2.3	1017.6	920.5	12.6	5068.4
18/01/2020 05:11	5.5	2.2	1017.7	920.5	12.6	5068.4
18/01/2020 05:26	5.5	2.1	1018.1	920.5	12.6	5068.4
18/01/2020 05:41	5.5	2	1018.2	920.5	12.6	5068.4
18/01/2020 05:56	5.5	2	1018.4	920.5	12.6	5068.4
18/01/2020 06:11	5.5	2	1018.5	920.4	12.6	5068.8
18/01/2020 06:26	5.5	2.1	1019	920.3	12.6	5069.3
18/01/2020 06:41	5.5	2.1	1019	920.3	12.6	5069.3
18/01/2020 06:56	5.5	2.1	1019.3	920.3	12.6	5069.3
18/01/2020 07:11	5.5	2.2	1019.4	920.2	12.6	5069.7
18/01/2020 07:26	5.5	2.3	1019.5	920.2	12.6	5069.7
18/01/2020 07:41	5.5	2.4	1019.7	920.1	12.6	5070.2
18/01/2020 07:56	5.5	2.5	1020.2	920.1	12.6	5070.2
18/01/2020 08:11	5.5	2.6	1020.4	920	12.6	5070.6
18/01/2020 08:26	5.5	2.7	1020.8	920	12.6	5070.6
18/01/2020 08:41	5.4	3.3	1021.1	920	12.6	5070.6
18/01/2020 08:56	5.4	4.5	1021.1	919.9	12.6	5071.1
18/01/2020 09:11	5.4	5.7	1021.1	919.9	12.6	5071.1
18/01/2020 09:26	5.4	6.7	1021.3	919.9	12.6	5071.1
18/01/2020 09:41	5.4	7.8	1021.2	919.9	12.6	5071.1
18/01/2020 09:56	5.4	8.4	1021.5	919.9	12.6	5071.1
18/01/2020 10:11	5.4	8.6	1021.7	919.9	12.6	5071.1
18/01/2020 10:26	5.4	8.7	1021.9	919.9	12.6	5071.1
18/01/2020 10:41	5.4	8.4	1021.9	919.9	12.6	5071.1
18/01/2020 10:56	5.4	8.2	1021.8	919.9	12.6	5071.1
18/01/2020 11:11	5.4	8.6	1022	920	12.6	5070.6
18/01/2020 11:26	5.4	9.5	1022	920	12.6	5070.6
18/01/2020 11:41	5.4	10.4	1021.8	920.1	12.6	5070.2
18/01/2020 11:56	5.4	11.4	1022.3	920.1	12.6	5070.2
18/01/2020 12:11	5.4	12	1022.3	920.3	12.6	5069.3

18/01/2020 12:26	5.4	12.2	1022.4	920.2	12.6	5069.7
18/01/2020 12:41	5.4	12.6	1022.5	920.3	12.6	5069.3
18/01/2020 12:56	5.4	12.6	1022.6	920.3	12.6	5069.3
18/01/2020 13:11	5.4	12.5	1022.4	920.3	12.6	5069.3
18/01/2020 13:26	5.4	12.4	1023	920.3	12.6	5069.3
18/01/2020 13:41	5.4	12.4	1022.8	920.5	12.6	5068.4
18/01/2020 13:56	5.4	12.5	1022.9	920.5	12.6	5068.4
18/01/2020 14:11	5.4	12.6	1023.2	920.6	12.6	5067.9
18/01/2020 14:26	5.4	12.5	1023.4	920.6	12.6	5067.9
18/01/2020 14:41	5.4	12.3	1023.5	920.6	12.6	5067.9
18/01/2020 14:56	5.4	12.1	1023.7	920.6	12.6	5067.9
18/01/2020 15:11	5.4	11.8	1023.9	920.6	12.6	5067.9
18/01/2020 15:26	5.4	11.5	1024.2	920.7	12.6	5067.5
18/01/2020 15:41	5.4	10.6	1024.5	920.6	12.6	5067.9
18/01/2020 15:56	5.4	9.1	1024.9	920.7	12.6	5067.5
18/01/2020 16:11	5.4	7.9	1024.9	920.7	12.6	5067.5
18/01/2020 16:26	5.4	7	1025.4	920.8	12.6	5067
18/01/2020 16:41	5.4	6.2	1025.9	920.9	12.6	5066.6
18/01/2020 16:56	5.4	5.5	1026	920.7	12.6	5067.5
18/01/2020 17:11	5.4	4.7	1026.2	920.8	12.6	5067
18/01/2020 17:26	5.4	3.9	1026.6	920.7	12.6	5067.5
18/01/2020 17:41	5.4	3.4	1026.6	920.8	12.6	5067
18/01/2020 17:56	5.4	3	1026.8	920.7	12.6	5067.5
18/01/2020 18:11	5.4	2.7	1027.3	920.7	12.6	5067.5
18/01/2020 18:26	5.4	2.5	1027.3	920.7	12.6	5067.5
18/01/2020 18:41	5.4	2.4	1027.3	920.7	12.6	5067.5
18/01/2020 18:56	5.4	2.4	1027.7	920.6	12.6	5067.9
18/01/2020 19:11	5.5	2.3	1027.7	920.5	12.6	5068.4
18/01/2020 19:26	5.4	2.4	1028	920.5	12.6	5068.4
18/01/2020 19:41	5.4	2.4	1028.4	920.5	12.6	5068.4
18/01/2020 19:56	5.4	2.5	1028.2	920.5	12.6	5068.4
18/01/2020 20:11	5.5	2.5	1028.4	920.4	12.6	5068.8
18/01/2020 20:26	5.5	2.5	1028.5	920.4	12.6	5068.8
18/01/2020 20:41	5.5	2.5	1028.6	920.3	12.6	5069.3
18/01/2020 20:56	5.5	2.4	1028.8	920.3	12.6	5069.3
18/01/2020 21:11	5.5	2.4	1029.1	920.4	12.6	5068.8
18/01/2020 21:26	5.5	2.4	1029.3	920.3	12.6	5069.3
18/01/2020 21:41	5.5	2.4	1029.3	920.3	12.6	5069.3
18/01/2020 21:56	5.5	2.4	1029.3	920.3	12.6	5069.3
18/01/2020 22:11	5.5	2.4	1029.8	920.3	12.6	5069.3
18/01/2020 22:26	5.5	2.4	1029.8	920.3	12.6	5069.3
18/01/2020 22:41	5.5	2.3	1030.2	920.4	12.6	5068.8
18/01/2020 22:56	5.5	2.3	1030	920.4	12.6	5068.8
18/01/2020 23:11	5.5	2.3	1030.1	920.5	12.6	5068.4
18/01/2020 23:26	5.5	2.2	1030.1	920.6	12.6	5067.9
18/01/2020 23:41	5.5	2.2	1030.8	920.6	12.6	5067.9
18/01/2020 23:56	5.5	2.2	1030.9	920.6	12.6	5067.9
19/01/2020 00:11	5.5	2.2	1031.2	920.7	12.6	5067.5
19/01/2020 00:26	5.5	2.1	1031.7	920.7	12.6	5067.5
19/01/2020 00:41	5.5	2.2	1031.8	920.7	12.6	5067.5

19/01/2020 00:56	5.5	2.2	1032	920.8	12.6	5067
19/01/2020 01:11	5.5	2.3	1032.4	920.9	12.6	5066.6
19/01/2020 01:26	5.5	2.3	1032.7	920.9	12.6	5066.6
19/01/2020 01:41	5.5	2.3	1033	921	12.6	5066.1
19/01/2020 01:56	5.5	2.4	1033.1	921	12.6	5066.1
19/01/2020 02:11	5.5	2.3	1033.5	921.1	12.6	5065.7
19/01/2020 02:26	5.5	2.2	1033.6	921.1	12.6	5065.7
19/01/2020 02:41	5.5	2.1	1033.5	921.1	12.6	5065.7
19/01/2020 02:56	5.5	2	1033.7	921.2	12.6	5065.2
19/01/2020 03:11	5.5	2	1033.9	921.2	12.6	5065.2
19/01/2020 03:26	5.5	2	1034.2	921.3	12.6	5064.8
19/01/2020 03:41	5.5	2.2	1034	921.2	12.6	5065.2
19/01/2020 03:56	5.5	2.4	1034	921.2	12.6	5065.2
19/01/2020 04:11	5.5	2.3	1034.5	921.3	12.6	5064.8
19/01/2020 04:26	5.5	2.2	1034.7	921.3	12.6	5064.8
19/01/2020 04:41	5.5	2.1	1034.5	921.3	12.6	5064.8
19/01/2020 04:56	5.5	2	1034.8	921.3	12.6	5064.8
19/01/2020 05:11	5.5	2	1034.5	921.3	12.6	5064.8
19/01/2020 05:26	5.5	1.9	1034.9	921.3	12.6	5064.8
19/01/2020 05:41	5.5	1.9	1035.2	921.3	12.6	5064.8
19/01/2020 05:56	5.5	2	1035.9	921.3	12.6	5064.8
19/01/2020 06:11	5.5	2.1	1036	921.2	12.6	5065.2
19/01/2020 06:26	5.5	2.1	1036	921.2	12.6	5065.2
19/01/2020 06:41	5.5	2.1	1036.1	921.2	12.6	5065.2
19/01/2020 06:56	5.5	2	1036.8	921.1	12.6	5065.7
19/01/2020 07:11	5.5	1.9	1037.2	921.2	12.6	5065.2
19/01/2020 07:26	5.5	1.9	1037.7	921.1	12.6	5065.7
19/01/2020 07:41	5.5	1.9	1037.8	921.1	12.6	5065.7
19/01/2020 07:56	5.5	2	1037.7	921	12.6	5066.1
19/01/2020 08:11	5.5	2.1	1038.1	921	12.6	5066.1
19/01/2020 08:26	5.5	2.3	1038.2	920.9	12.6	5066.6
19/01/2020 08:41	5.5	2.5	1038.5	920.9	12.6	5066.6
19/01/2020 08:56	5.4	3.4	1038.8	920.8	12.6	5067
19/01/2020 09:11	5.4	4.8	1039	920.8	12.6	5067
19/01/2020 09:26	5.4	6.1	1039.1	920.8	12.6	5067
19/01/2020 09:41	5.4	7.2	1039.6	920.7	12.6	5067.5
19/01/2020 09:56	5.4	8.1	1039.5	920.7	12.6	5067.5
19/01/2020 10:11	5.4	8.8	1039.6	920.7	12.6	5067.5
19/01/2020 10:26	5.4	8.9	1039.9	920.7	12.6	5067.5
19/01/2020 10:41	5.4	8.7	1039.7	920.7	12.6	5067.5
19/01/2020 10:56	5.4	8.8	1040	920.7	12.6	5067.5
19/01/2020 11:11	5.4	9.3	1040.1	920.7	12.6	5067.5
19/01/2020 11:26	5.4	10.3	1040	920.7	12.6	5067.5
19/01/2020 11:41	5.4	11.4	1040.4	920.7	12.6	5067.5
19/01/2020 11:56	5.4	12.4	1040.3	920.7	12.6	5067.5
19/01/2020 12:11	5.4	12.9	1040.3	920.7	12.6	5067.5
19/01/2020 12:26	5.4	13.4	1040.6	920.7	12.6	5067.5
19/01/2020 12:41	5.4	12.2	1040.8	920.7	12.6	5067.5
19/01/2020 12:56	5.4	11.6	1040.6	920.7	12.6	5067.5
19/01/2020 13:11	5.4	11.7	1040.4	920.9	12.6	5066.6

19/01/2020 13:26	5.4	11.9	1040.6	920.8	12.6	5067
19/01/2020 13:41	5.4	12.4	1040.4	920.9	12.6	5066.6
19/01/2020 13:56	5.4	12.8	1040.4	920.9	12.6	5066.6
19/01/2020 14:11	5.4	12.8	1040.9	920.9	12.6	5066.6
19/01/2020 14:26	5.4	12.9	1041	921.1	12.6	5065.7
19/01/2020 14:41	5.4	13	1041.1	921	12.6	5066.1
19/01/2020 14:56	5.4	12.8	1041.7	921	12.6	5066.1
19/01/2020 15:11	5.4	12.6	1041.6	921.1	12.6	5065.7
19/01/2020 15:26	5.4	12	1041.9	921.1	12.6	5065.7
19/01/2020 15:41	5.4	11.4	1041.9	921.2	12.6	5065.2
19/01/2020 15:56	5.4	10.3	1041.8	921.2	12.6	5065.2
19/01/2020 16:11	5.4	8.9	1042.1	921.3	12.6	5064.8
19/01/2020 16:26	5.4	7.7	1042.3	921.3	12.6	5064.8
19/01/2020 16:41	5.4	6.5	1042.5	921.3	12.6	5064.8
19/01/2020 16:56	5.4	5.4	1042.7	921.3	12.6	5064.8
19/01/2020 17:11	5.4	4.6	1042.9	921.3	12.6	5064.8
19/01/2020 17:26	5.4	3.8	1043.3	921.4	12.6	5064.3
19/01/2020 17:41	5.4	3.2	1043.8	921.4	12.6	5064.3
19/01/2020 17:56	5.4	2.6	1043.7	921.4	12.6	5064.3
19/01/2020 18:11	5.4	2.1	1044	921.4	12.6	5064.3
19/01/2020 18:26	5.5	1.9	1043.8	921.4	12.6	5064.3
19/01/2020 18:41	5.4	2	1044.2	921.4	12.6	5064.3
19/01/2020 18:56	5.5	2	1044.1	921.3	12.6	5064.8
19/01/2020 19:11	5.5	2.1	1044.1	921.3	12.6	5064.8
19/01/2020 19:26	5.4	2.2	1044.1	921.3	12.6	5064.8
19/01/2020 19:41	5.5	2.1	1044.4	921.2	12.6	5065.2
19/01/2020 19:56	5.5	2	1044.7	921.2	12.6	5065.2
19/01/2020 20:11	5.5	1.9	1044.6	921.2	12.6	5065.2
19/01/2020 20:26	5.5	1.8	1044.6	921.1	12.6	5065.7
19/01/2020 20:41	5.5	1.8	1044.7	921.1	12.6	5065.7
19/01/2020 20:56	5.5	1.8	1045	921	12.6	5066.1
19/01/2020 21:11	5.5	1.9	1044.7	921	12.6	5066.1
19/01/2020 21:26	5.5	1.9	1044.8	921	12.6	5066.1
19/01/2020 21:41	5.5	1.9	1045.1	920.9	12.6	5066.6
19/01/2020 21:56	5.5	1.8	1045	920.9	12.6	5066.6
19/01/2020 22:11	5.5	1.7	1045	920.9	12.6	5066.6
19/01/2020 22:26	5.5	1.7	1045	920.9	12.6	5066.6
19/01/2020 22:41	5.5	1.6	1045.2	920.9	12.6	5066.6
19/01/2020 22:56	5.5	1.7	1044.8	920.9	12.6	5066.6
19/01/2020 23:11	5.5	1.7	1045.2	920.9	12.6	5066.6
19/01/2020 23:26	5.5	1.7	1045.1	920.8	12.6	5067
19/01/2020 23:41	5.5	1.9	1044.7	920.8	12.6	5067
19/01/2020 23:56	5.5	2	1044.8	920.9	12.6	5066.6
20/01/2020 00:11	5.5	2	1044.9	920.9	12.6	5066.6
20/01/2020 00:26	5.5	2.1	1044.7	920.9	12.6	5066.6
20/01/2020 00:41	5.5	2.3	1044.8	920.9	12.6	5066.6
20/01/2020 00:56	5.5	2.4	1044.9	920.9	12.6	5066.6
20/01/2020 01:11	5.5	2.4	1044.8	921	12.6	5066.1
20/01/2020 01:26	5.5	2.4	1044.7	921	12.6	5066.1
20/01/2020 01:41	5.5	2.3	1044.9	921.1	12.6	5065.7

20/01/2020 01:56	5.5	2.1	1044.9	921.1	12.6	5065.7
20/01/2020 02:11	5.5	2	1044.7	921.1	12.6	5065.7
20/01/2020 02:26	5.5	2	1044.9	921.2	12.6	5065.2
20/01/2020 02:41	5.5	2	1044.7	921.2	12.6	5065.2
20/01/2020 02:56	5.5	2	1044.6	921.3	12.6	5064.8
20/01/2020 03:11	5.5	1.9	1044.5	921.3	12.6	5064.8
20/01/2020 03:26	5.5	1.8	1044.3	921.3	12.6	5064.8
20/01/2020 03:41	5.5	1.9	1044.3	921.4	12.6	5064.3
20/01/2020 03:56	5.5	2	1044.3	921.4	12.6	5064.3
20/01/2020 04:11	5.5	2.1	1044.3	921.4	12.6	5064.3
20/01/2020 04:26	5.5	2.2	1044.6	921.4	12.6	5064.3
20/01/2020 04:41	5.5	2.3	1044.6	921.5	12.6	5063.4
20/01/2020 04:56	5.5	2.4	1044.5	921.5	12.6	5063.4
20/01/2020 05:11	5.5	2.6	1044.3	921.5	12.6	5063.4
20/01/2020 05:26	5.5	2.7	1044.3	921.5	12.6	5063.4
20/01/2020 05:41	5.5	2.8	1044.3	921.5	12.6	5063.4
20/01/2020 05:56	5.5	2.9	1044.1	921.5	12.6	5063.4
20/01/2020 06:11	5.5	3	1044.2	921.5	12.6	5063.4
20/01/2020 06:26	5.5	3	1044.3	921.5	12.6	5063.4
20/01/2020 06:41	5.5	3	1044.1	921.5	12.6	5063.4
20/01/2020 06:56	5.5	3	1044.3	921.4	12.6	5063.9
20/01/2020 07:11	5.5	3	1044.1	921.5	12.6	5063.4
20/01/2020 07:26	5.5	2.9	1044.3	921.4	12.6	5064.3
20/01/2020 07:41	5.5	2.8	1044.3	921.4	12.6	5064.3
20/01/2020 07:56	5.5	2.8	1044.3	921.4	12.6	5064.3
20/01/2020 08:11	5.5	2.9	1044.4	921.3	12.6	5064.8
20/01/2020 08:26	5.5	3.1	1044.4	921.3	12.6	5064.8
20/01/2020 08:41	5.5	3.3	1044.2	921.3	12.6	5064.8
20/01/2020 08:56	5.5	3.6	1044	921.2	12.6	5065.2
20/01/2020 09:11	5.5	3.8	1044.2	921.2	12.6	5065.2
20/01/2020 09:26	5.4	4	1044.1	921.1	12.6	5065.7
20/01/2020 09:41	5.5	4.1	1044.2	921.1	12.6	5065.7
20/01/2020 09:56	5.4	4.2	1044.4	921.1	12.6	5065.7
20/01/2020 10:11	5.4	4.4	1044.2	921	12.6	5066.1
20/01/2020 10:26	5.4	4.6	1044.5	921	12.6	5066.1
20/01/2020 10:41	5.4	4.8	1044.1	921	12.6	5066.1
20/01/2020 10:56	5.4	5.1	1044.4	920.9	12.6	5066.6
20/01/2020 11:11	5.4	5.4	1043.9	920.9	12.6	5066.6
20/01/2020 11:26	5.4	5.7	1044	920.9	12.6	5066.6
20/01/2020 11:41	5.4	6.1	1044	920.9	12.6	5066.6
20/01/2020 11:56	5.4	6.4	1044	920.8	12.6	5067
20/01/2020 12:11	5.4	6.7	1043.8	920.8	12.6	5067
20/01/2020 12:26	5.4	6.9	1043.7	920.9	12.6	5066.6
20/01/2020 12:41	5.4	6.9	1043.8	920.7	12.6	5067.5
20/01/2020 12:56	5.4	7.2	1043.2	920.8	12.6	5067
20/01/2020 13:11	5.4	9.1	1042.8	920.8	12.6	5067
20/01/2020 13:26	5.4	10.7	1042.9	920.9	12.6	5066.6
20/01/2020 13:41	5.4	11.9	1042.5	920.9	12.6	5066.6
20/01/2020 13:56	5.4	12.8	1042.6	920.9	12.6	5066.6
20/01/2020 14:11	5.4	13	1042.6	921	12.6	5066.1

20/01/2020 14:26	5.4	13.4	1042	921	12.6	5066.1
20/01/2020 14:41	5.4	13.4	1042	921	12.6	5066.1
20/01/2020 14:56	5.4	13.4	1042.3	921.1	12.6	5065.7
20/01/2020 15:11	5.4	13.1	1042.3	921	12.6	5066.1
20/01/2020 15:26	5.4	12.5	1042.2	921.1	12.6	5065.7
20/01/2020 15:41	5.4	11.6	1041.8	921.1	12.6	5065.7
20/01/2020 15:56	5.4	10.2	1041.7	921.1	12.6	5065.7
20/01/2020 16:11	5.4	8.8	1041.8	921.1	12.6	5065.7
20/01/2020 16:26	5.4	7.5	1041.8	921.2	12.6	5065.2
20/01/2020 16:41	5.4	6.2	1041.8	921.3	12.6	5064.8
20/01/2020 16:56	5.4	5	1041.8	921.3	12.6	5064.8
20/01/2020 17:11	5.4	4	1041.6	921.3	12.6	5064.8
20/01/2020 17:26	5.4	3.3	1041.9	921.3	12.6	5064.8
20/01/2020 17:41	5.4	2.8	1041.7	921.4	12.6	5064.3
20/01/2020 17:56	5.5	2.5	1042	921.3	12.6	5064.8
20/01/2020 18:11	5.5	2	1041.5	921.4	12.6	5064.3
20/01/2020 18:26	5.5	1.6	1041.8	921.3	12.6	5064.8
20/01/2020 18:41	5.5	1.3	1041.9	921.4	12.6	5064.3
20/01/2020 18:56	5.5	0.9	1041.8	921.4	12.6	5064.3
20/01/2020 19:11	5.5	0.5	1041.7	921.4	12.6	5064.3
20/01/2020 19:26	5.5	0.3	1042	921.4	12.6	5064.3
20/01/2020 19:41	5.5	0.4	1041.4	921.3	12.6	5064.8
20/01/2020 19:56	5.5	0.7	1041.5	921.3	12.6	5064.8
20/01/2020 20:11	5.5	0.8	1041.4	921.3	12.6	5064.8
20/01/2020 20:26	5.5	0.9	1041.5	921.3	12.6	5064.8
20/01/2020 20:41	5.5	0.7	1041.3	921.3	12.6	5064.8
20/01/2020 20:56	5.5	0.5	1041	921.2	12.6	5065.2
20/01/2020 21:11	5.5	0.2	1041.3	921.1	12.6	5065.7
20/01/2020 21:26	5.5	0	1041.3	921.1	12.6	5065.7
20/01/2020 21:41	5.5	-0.3	1041.3	921	12.6	5066.1
20/01/2020 21:56	5.5	-0.4	1041.1	921	12.6	5066.1
20/01/2020 22:11	5.5	-0.7	1041	921	12.6	5066.1
20/01/2020 22:26	5.5	-0.9	1040.9	920.9	12.6	5066.6
20/01/2020 22:41	5.5	-1.2	1041	920.9	12.6	5066.6
20/01/2020 22:56	5.5	-1.4	1041.2	920.9	12.6	5066.6
20/01/2020 23:11	5.5	-1.5	1040.9	920.9	12.6	5066.6
20/01/2020 23:26	5.5	-1.7	1040.8	920.9	12.6	5066.6
20/01/2020 23:41	5.5	-1.8	1040.8	920.8	12.6	5067
20/01/2020 23:56	5.5	-1.9	1040.4	920.8	12.6	5067
21/01/2020 00:11	5.5	-1.8	1040.4	920.8	12.6	5067
21/01/2020 00:26	5.5	-1.7	1040.1	920.8	12.6	5067
21/01/2020 00:41	5.5	-1.6	1040.3	920.8	12.6	5067
21/01/2020 00:56	5.5	-1.4	1039.9	920.7	12.6	5067.5
21/01/2020 01:11	5.5	-1.3	1040.1	920.8	12.6	5067
21/01/2020 01:26	5.5	-1.4	1040.2	920.8	12.6	5067
21/01/2020 01:41	5.5	-1.3	1040.1	920.9	12.6	5066.6
21/01/2020 01:56	5.5	-1.3	1039.9	920.9	12.6	5066.6
21/01/2020 02:11	5.5	-1.3	1039.9	920.9	12.6	5066.6
21/01/2020 02:26	5.5	-1.1	1039.6	920.9	12.6	5066.6
21/01/2020 02:41	5.5	-0.9	1039.4	921	12.6	5066.1

21/01/2020 02:56	5.5	-0.8	1039	920.9	12.6	5066.6
21/01/2020 03:11	5.5	-0.8	1039.2	921	12.6	5066.1
21/01/2020 03:26	5.5	-0.9	1039	921	12.6	5066.1
21/01/2020 03:41	5.5	-0.9	1038.9	921.1	12.6	5065.7
21/01/2020 03:56	5.5	-0.8	1038.7	921.1	12.6	5065.7
21/01/2020 04:11	5.5	-0.7	1038.6	921.1	12.6	5065.7
21/01/2020 04:26	5.5	-0.6	1038.9	921.1	12.6	5065.7
21/01/2020 04:41	5.5	-0.6	1039.1	921.2	12.6	5065.2
21/01/2020 04:56	5.5	-0.5	1038.9	921.2	12.6	5065.2
21/01/2020 05:11	5.5	-0.6	1038.5	921.2	12.6	5065.2
21/01/2020 05:26	5.5	-0.6	1038.8	921.3	12.6	5064.8
21/01/2020 05:41	5.5	-0.5	1038.5	921.3	12.6	5064.8
21/01/2020 05:56	5.5	-0.4	1038.5	921.3	12.6	5064.8
21/01/2020 06:11	5.5	-0.6	1038.4	921.3	12.6	5064.8
21/01/2020 06:26	5.5	-0.5	1038.6	921.3	12.6	5064.8
21/01/2020 06:41	5.5	-0.5	1038.3	921.4	12.6	5064.3
21/01/2020 06:56	5.5	-0.5	1038.3	921.3	12.6	5064.8
21/01/2020 07:11	5.5	-0.7	1038.2	921.3	12.6	5064.8
21/01/2020 07:26	5.5	-0.8	1038.7	921.3	12.6	5064.8
21/01/2020 07:41	5.5	-0.7	1038.2	921.3	12.6	5064.8
21/01/2020 07:56	5.5	-0.7	1038.4	921.3	12.6	5064.8
21/01/2020 08:11	5.5	-0.7	1038.8	921.3	12.6	5064.8
21/01/2020 08:26	5.5	-0.6	1038.9	921.3	12.6	5064.8
21/01/2020 08:41	5.5	0.3	1039	921.3	12.6	5064.8
21/01/2020 08:56	5.5	1.6	1038.5	921.3	12.6	5064.8
21/01/2020 09:11	5.5	3.3	1038.2	921.2	12.6	5065.2
21/01/2020 09:26	5.4	5	1038.7	921.2	12.6	5065.2
21/01/2020 09:41	5.4	6.7	1038.2	921.1	12.6	5065.7
21/01/2020 09:56	5.4	7.8	1038.4	921	12.6	5066.1
21/01/2020 10:11	5.4	8.3	1038.5	921	12.6	5066.1
21/01/2020 10:26	5.4	8.1	1038.3	921	12.6	5066.1
21/01/2020 10:41	5.4	7.6	1038.6	920.9	12.6	5066.6
21/01/2020 10:56	5.4	7.2	1038.2	920.8	12.6	5067
21/01/2020 11:11	5.4	7.7	1038.3	920.8	12.6	5067
21/01/2020 11:26	5.4	8.8	1038	920.7	12.6	5067.5
21/01/2020 11:41	5.4	10.1	1037.5	920.7	12.6	5067.5
21/01/2020 11:56	5.4	11.4	1037.5	920.8	12.6	5067
21/01/2020 12:11	5.4	12.4	1037.3	920.7	12.6	5067.5
21/01/2020 12:26	5.4	13.1	1037	920.6	12.6	5067.9
21/01/2020 12:41	5.4	13.6	1037	920.6	12.6	5067.9
21/01/2020 12:56	5.4	14	1036.7	920.6	12.6	5067.9
21/01/2020 13:11	5.4	14.5	1036.8	920.6	12.6	5067.9
21/01/2020 13:26	5.4	14.8	1036.3	920.5	12.6	5068.4
21/01/2020 13:41	5.4	15.3	1036.4	920.5	12.6	5068.4
21/01/2020 13:56	5.4	15.1	1036.3	920.6	12.6	5067.9
21/01/2020 14:11	5.4	15.1	1036	920.6	12.6	5067.9
21/01/2020 14:26	5.4	14.8	1036	920.6	12.6	5067.9
21/01/2020 14:41	5.4	13.6	1036.2	920.6	12.6	5067.9
21/01/2020 14:56	5.4	11.9	1036.1	920.7	12.6	5067.5
21/01/2020 15:11	5.4	10.6	1035.7	920.6	12.6	5067.9

21/01/2020 15:26	5.4	9.8	1035.9	920.7	12.6	5067.5
21/01/2020 15:41	5.4	9.4	1035.7	920.7	12.6	5067.5
21/01/2020 15:56	5.4	8.4	1036	920.8	12.6	5067
21/01/2020 16:11	5.4	7.3	1036.1	920.7	12.6	5067.5
21/01/2020 16:26	5.4	6.1	1036.1	920.9	12.6	5066.6
21/01/2020 16:41	5.4	5	1035.7	920.9	12.6	5066.6
21/01/2020 16:56	5.4	4	1036.1	920.9	12.6	5066.6
21/01/2020 17:11	5.4	3.1	1036.1	920.9	12.6	5066.6
21/01/2020 17:26	5.4	2.4	1035.8	920.9	12.6	5066.6
21/01/2020 17:41	5.5	1.8	1036.1	921	12.6	5066.1
21/01/2020 17:56	5.5	1.2	1035.9	921	12.6	5066.1
21/01/2020 18:11	5.5	0.8	1036.2	921	12.6	5066.1
21/01/2020 18:26	5.5	0.4	1036.4	921	12.6	5066.1
21/01/2020 18:41	5.5	0	1036.4	921	12.6	5066.1
21/01/2020 18:56	5.5	-0.3	1036.4	921.1	12.6	5065.7
21/01/2020 19:11	5.5	-0.3	1036.6	921	12.6	5066.1
21/01/2020 19:26	5.5	-0.1	1036.4	921.1	12.6	5065.7
21/01/2020 19:41	5.5	-0.2	1036.1	921.1	12.6	5065.7
21/01/2020 19:56	5.5	-0.4	1035.6	921.1	12.6	5065.7
21/01/2020 20:11	5.5	-0.6	1035.6	921	12.6	5066.1
21/01/2020 20:26	5.5	-0.6	1035.8	921	12.6	5066.1
21/01/2020 20:41	5.5	-0.8	1036.1	921	12.6	5066.1
21/01/2020 20:56	5.5	-0.9	1035.7	921	12.6	5066.1
21/01/2020 21:11	5.5	-0.9	1035.7	920.9	12.6	5066.6
21/01/2020 21:26	5.5	-0.9	1035.8	920.9	12.6	5066.6
21/01/2020 21:41	5.5	-1	1035.7	921	12.6	5066.1
21/01/2020 21:56	5.5	-1	1035.8	920.9	12.6	5066.6
21/01/2020 22:11	5.5	-1.1	1036.1	920.9	12.6	5066.6
21/01/2020 22:26	5.5	-1.1	1036.1	920.9	12.6	5066.6
21/01/2020 22:41	5.5	-1.1	1036	920.8	12.6	5067
21/01/2020 22:56	5.5	-1.2	1036.1	920.7	12.6	5067.5
21/01/2020 23:11	5.5	-1.2	1035.6	920.7	12.6	5067.5
21/01/2020 23:26	5.5	-1.1	1035.7	920.6	12.6	5067.9
21/01/2020 23:41	5.5	-1.1	1035.3	920.6	12.6	5067.9
21/01/2020 23:56	5.5	-1.1	1035.3	920.6	12.6	5067.9
22/01/2020 00:11	5.5	-1	1035.2	920.6	12.6	5067.9
22/01/2020 00:26	5.5	-0.9	1035.2	920.5	12.6	5068.4
22/01/2020 00:41	5.5	-0.8	1034.8	920.5	12.6	5068.4
22/01/2020 00:56	5.5	-0.7	1035.2	920.5	12.6	5068.4
22/01/2020 01:11	5.5	-0.4	1034.8	920.4	12.6	5068.8
22/01/2020 01:26	5.5	-0.3	1034.8	920.4	12.6	5068.8
22/01/2020 01:41	5.5	-0.2	1034.8	920.4	12.6	5068.8
22/01/2020 01:56	5.5	-0.3	1034.4	920.4	12.6	5068.8
22/01/2020 02:11	5.5	-0.4	1034.6	920.3	12.6	5069.3
22/01/2020 02:26	5.5	-0.4	1034.5	920.4	12.6	5068.8
22/01/2020 02:41	5.5	-0.2	1034.6	920.4	12.6	5068.8
22/01/2020 02:56	5.5	0.1	1034.1	920.5	12.6	5068.4
22/01/2020 03:11	5.5	0.2	1034	920.5	12.6	5068.4
22/01/2020 03:26	5.5	0.2	1034.1	920.5	12.6	5068.4
22/01/2020 03:41	5.5	0.2	1033.7	920.5	12.6	5068.4

22/01/2020 03:56	5.5	0.3	1034.1	920.6	12.6	5067.9
22/01/2020 04:11	5.5	0.5	1033.7	920.7	12.6	5067.5
22/01/2020 04:26	5.5	0.6	1033.7	920.7	12.6	5067.5
22/01/2020 04:41	5.5	0.7	1033.5	920.7	12.6	5067.5
22/01/2020 04:56	5.5	0.9	1033.6	920.7	12.6	5067.5
22/01/2020 05:11	5.5	1.1	1033.7	920.8	12.6	5067
22/01/2020 05:26	5.5	1.3	1033.4	920.9	12.6	5066.6
22/01/2020 05:41	5.5	1.4	1033.7	920.9	12.6	5066.6
22/01/2020 05:56	5.5	1.6	1033.4	920.9	12.6	5066.6
22/01/2020 06:11	5.5	1.7	1033.4	920.9	12.6	5066.6
22/01/2020 06:26	5.5	1.8	1033.6	920.9	12.6	5066.6
22/01/2020 06:41	5.5	1.9	1033.7	921	12.6	5066.1
22/01/2020 06:56	5.5	2	1033.6	921	12.6	5066.1
22/01/2020 07:11	5.5	2.1	1033.7	921	12.6	5066.1
22/01/2020 07:26	5.5	2.2	1033.6	921.1	12.6	5065.7
22/01/2020 07:41	5.5	2.3	1033.8	921	12.6	5066.1
22/01/2020 07:56	5.5	2.5	1033.8	921.1	12.6	5065.7
22/01/2020 08:11	5.5	2.6	1034.1	921.1	12.6	5065.7
22/01/2020 08:26	5.5	2.8	1034.1	921.1	12.6	5065.7
22/01/2020 08:41	5.5	3	1034.2	921.1	12.6	5065.7
22/01/2020 08:56	5.5	3.2	1034.1	921.1	12.6	5065.7
22/01/2020 09:11	5.5	3.4	1034.3	921.1	12.6	5065.7
22/01/2020 09:26	5.5	3.7	1034.2	921	12.6	5066.1
22/01/2020 09:41	5.4	4.2	1034.1	921	12.6	5066.1
22/01/2020 09:56	5.4	4.6	1033.9	921	12.6	5066.1
22/01/2020 10:11	5.4	5.1	1034.2	920.9	12.6	5066.6
22/01/2020 10:26	5.4	5.8	1033.9	920.9	12.6	5066.6
22/01/2020 10:41	5.4	6.6	1034.1	920.9	12.6	5066.6
22/01/2020 10:56	5.4	7.2	1034	920.8	12.6	5067
22/01/2020 11:11	5.4	7.8	1033.8	920.7	12.6	5067.5
22/01/2020 11:26	5.4	8.3	1033.6	920.7	12.6	5067.5
22/01/2020 11:41	5.4	8.6	1033.7	920.7	12.6	5067.5
22/01/2020 11:56	5.4	8.8	1033.2	920.7	12.6	5067.5
22/01/2020 12:11	5.4	9.1	1033.4	920.7	12.6	5067.5
22/01/2020 12:26	5.4	9.1	1033.2	920.5	12.6	5068.4
22/01/2020 12:41	5.4	9.1	1033.2	920.5	12.6	5068.4
22/01/2020 12:56	5.4	9	1032.9	920.5	12.6	5068.4
22/01/2020 13:11	5.4	9	1032.9	920.4	12.6	5068.8
22/01/2020 13:26	5.4	8.9	1033	920.5	12.6	5068.4
22/01/2020 13:41	5.4	8.8	1033	920.4	12.6	5068.8
22/01/2020 13:56	5.4	8.8	1032.7	920.4	12.6	5068.8
22/01/2020 14:11	5.4	8.6	1032.8	920.3	12.6	5069.3
22/01/2020 14:26	5.4	8.6	1032.8	920.3	12.6	5069.3
22/01/2020 14:41	5.4	8.6	1033	920.3	12.6	5069.3
22/01/2020 14:56	5.4	8.6	1033.1	920.3	12.6	5069.3
22/01/2020 15:11	5.4	8.5	1033	920.4	12.6	5068.8
22/01/2020 15:26	5.4	8.4	1032.9	920.3	12.6	5069.3
22/01/2020 15:41	5.4	8.3	1033	920.4	12.6	5068.8
22/01/2020 15:56	5.4	8.1	1033	920.4	12.6	5068.8
22/01/2020 16:11	5.4	8	1032.8	920.5	12.6	5068.4

22/01/2020 16:26	5.4	7.8	1032.9	920.5	12.6	5068.4
22/01/2020 16:41	5.4	7.7	1033	920.6	12.6	5067.9
22/01/2020 16:56	5.4	7.6	1032.9	920.6	12.6	5067.9
22/01/2020 17:11	5.4	7.5	1032.9	920.7	12.6	5067.5
22/01/2020 17:26	5.4	7.4	1033.4	920.7	12.6	5067.5
22/01/2020 17:41	5.4	7.3	1033.3	920.7	12.6	5067.5
22/01/2020 17:56	5.4	7.2	1033.3	920.7	12.6	5067.5
22/01/2020 18:11	5.4	7.2	1033.2	920.8	12.6	5067
22/01/2020 18:26	5.4	7.1	1033.1	920.8	12.6	5067
22/01/2020 18:41	5.4	7	1033	920.7	12.6	5067.5
22/01/2020 18:56	5.4	7	1033.1	920.9	12.6	5066.6
22/01/2020 19:11	5.4	7	1033.3	920.8	12.6	5067
22/01/2020 19:26	5.4	7	1033.3	920.9	12.6	5066.6
22/01/2020 19:41	5.4	6.9	1033.4	920.9	12.6	5066.6
22/01/2020 19:56	5.4	6.9	1033.2	920.9	12.6	5066.6
22/01/2020 20:11	5.4	6.7	1033.2	920.9	12.6	5066.6
22/01/2020 20:26	5.4	6.6	1033.1	920.9	12.6	5066.6
22/01/2020 20:41	5.4	6.5	1032.9	921	12.6	5066.1
22/01/2020 20:56	5.4	6.3	1033	920.9	12.6	5066.6
22/01/2020 21:11	5.4	6.2	1033.3	920.9	12.6	5066.6
22/01/2020 21:26	5.4	6.2	1033	920.9	12.6	5066.6
22/01/2020 21:41	5.4	6.2	1032.9	920.9	12.6	5066.6
22/01/2020 21:56	5.4	6.1	1032.9	920.9	12.6	5066.6
22/01/2020 22:11	5.4	6.2	1032.8	920.9	12.6	5066.6
22/01/2020 22:26	5.4	6.2	1033.1	920.9	12.6	5066.6
22/01/2020 22:41	5.4	6.2	1032.9	920.9	12.6	5066.6
22/01/2020 22:56	5.4	6.2	1033.1	920.7	12.6	5067.5
22/01/2020 23:11	5.4	6.1	1032.8	920.7	12.6	5067.5
22/01/2020 23:26	5.4	6.1	1032.7	920.7	12.6	5067.5
22/01/2020 23:41	5.4	6.1	1033.1	920.6	12.6	5067.9
22/01/2020 23:56	5.4	6.1	1032.7	920.5	12.6	5068.4
23/01/2020 00:11	5.4	6.2	1032.7	920.5	12.6	5068.4
23/01/2020 00:26	5.4	6.2	1032.4	920.5	12.6	5068.4
23/01/2020 00:41	5.4	6.2	1032.3	920.4	12.6	5068.8
23/01/2020 00:56	5.4	6.3	1032.1	920.4	12.6	5068.8
23/01/2020 01:11	5.4	6.3	1032.2	920.3	12.6	5069.3
23/01/2020 01:26	5.4	6.4	1032.1	920.3	12.6	5069.3
23/01/2020 01:41	5.4	6.4	1031.8	920.3	12.6	5069.3
23/01/2020 01:56	5.4	6.4	1031.6	920.3	12.6	5069.3
23/01/2020 02:11	5.4	6.4	1031.8	920.2	12.6	5069.7
23/01/2020 02:26	5.4	6.4	1031.8	920.1	12.6	5070.2
23/01/2020 02:41	5.4	6.5	1031.3	920.2	12.6	5069.7
23/01/2020 02:56	5.4	6.5	1031.3	920.2	12.6	5069.7
23/01/2020 03:11	5.4	6.5	1031.1	920.1	12.6	5070.2
23/01/2020 03:26	5.4	6.4	1030.9	920.3	12.6	5069.3
23/01/2020 03:41	5.4	6.5	1030.6	920.1	12.6	5070.2
23/01/2020 03:56	5.4	6.5	1030.9	920.2	12.6	5069.7
23/01/2020 04:11	5.4	6.5	1030.4	920.3	12.6	5069.3
23/01/2020 04:26	5.4	6.5	1030.3	920.3	12.6	5069.3
23/01/2020 04:41	5.4	6.5	1030.6	920.4	12.6	5068.8

23/01/2020 04:56	5.4	6.5	1030.3	920.4	12.6	5068.8
23/01/2020 05:11	5.4	6.4	1029.9	920.4	12.6	5068.8
23/01/2020 05:26	5.4	6.4	1030.1	920.5	12.6	5068.4
23/01/2020 05:41	5.4	6.4	1030	920.5	12.6	5068.4
23/01/2020 05:56	5.4	6.4	1029.9	920.6	12.6	5067.9
23/01/2020 06:11	5.4	6.4	1030.2	920.7	12.6	5067.5
23/01/2020 06:26	5.4	6.4	1029.8	920.6	12.6	5067.9
23/01/2020 06:41	5.4	6.5	1030	920.7	12.6	5067.5
23/01/2020 06:56	5.4	6.5	1030.1	920.7	12.6	5067.5
23/01/2020 07:11	5.4	6.6	1029.9	920.7	12.6	5067.5
23/01/2020 07:26	5.4	6.6	1029.8	920.8	12.6	5067
23/01/2020 07:41	5.4	6.6	1029.6	920.8	12.6	5067
23/01/2020 07:56	5.4	6.5	1029.8	920.8	12.6	5067
23/01/2020 08:11	5.4	6.6	1029.8	920.9	12.6	5066.6
23/01/2020 08:26	5.4	6.7	1029.6	920.9	12.6	5066.6
23/01/2020 08:41	5.4	6.8	1029.5	920.9	12.6	5066.6
23/01/2020 08:56	5.4	7	1029.4	920.9	12.6	5066.6
23/01/2020 09:11	5.4	7.2	1029.7	920.9	12.6	5066.6
23/01/2020 09:26	5.4	7.4	1029.3	920.9	12.6	5066.6
23/01/2020 09:41	5.4	7.7	1029.1	921	12.6	5066.1
23/01/2020 09:56	5.4	8.1	1029.1	920.9	12.6	5066.6
23/01/2020 10:11	5.4	8.4	1029	920.9	12.6	5066.6
23/01/2020 10:26	5.4	8.7	1028.7	920.9	12.6	5066.6
23/01/2020 10:41	5.4	8.9	1028.8	920.8	12.6	5067
23/01/2020 10:56	5.4	9	1028.8	920.9	12.6	5066.6
23/01/2020 11:11	5.4	9.1	1028.6	920.7	12.6	5067.5
23/01/2020 11:26	5.4	9.2	1028.4	920.8	12.6	5067
23/01/2020 11:41	5.4	9.4	1028	920.6	12.6	5067.9
23/01/2020 11:56	5.4	9.7	1028	920.5	12.6	5068.4
23/01/2020 12:11	5.4	9.7	1028.2	920.5	12.6	5068.4
23/01/2020 12:26	5.4	9.6	1027.4	920.5	12.6	5068.4
23/01/2020 12:41	5.4	9.6	1027.4	920.4	12.6	5068.8
23/01/2020 12:56	5.4	9.3	1027	920.3	12.6	5069.3
23/01/2020 13:11	5.4	9	1026.9	920.3	12.6	5069.3
23/01/2020 13:26	5.4	8.9	1026.4	920.2	12.6	5069.7
23/01/2020 13:41	5.4	8.9	1025.9	920.1	12.6	5070.2
23/01/2020 13:56	5.4	8.9	1026.3	920.1	12.6	5070.2
23/01/2020 14:11	5.4	9	1025.7	920.1	12.6	5070.2
23/01/2020 14:26	5.4	9	1025.9	920	12.6	5070.6
23/01/2020 14:41	5.4	9	1025.4	920	12.6	5070.6
23/01/2020 14:56	5.4	8.9	1025.3	920	12.6	5070.6
23/01/2020 15:11	5.4	8.8	1025.1	919.9	12.6	5071.1
23/01/2020 15:26	5.4	8.7	1024.9	919.9	12.6	5071.1
23/01/2020 15:41	5.4	8.6	1025	920	12.6	5070.6
23/01/2020 15:56	5.4	8.4	1024.9	920.1	12.6	5070.2
23/01/2020 16:11	5.4	8.2	1024.9	920.1	12.6	5070.2
23/01/2020 16:26	5.4	8.1	1024.6	920.1	12.6	5070.2
23/01/2020 16:41	5.4	7.9	1024.4	920.2	12.6	5069.7
23/01/2020 16:56	5.4	7.8	1024.5	920.3	12.6	5069.3
23/01/2020 17:11	5.4	7.6	1024.5	920.2	12.6	5069.7

23/01/2020 17:26	5.4	7.5	1024.6	920.3	12.6	5069.3
23/01/2020 17:41	5.4	7.4	1024.4	920.4	12.6	5068.8
23/01/2020 17:56	5.4	7.3	1024.2	920.4	12.6	5068.8
23/01/2020 18:11	5.4	7.3	1024.2	920.5	12.6	5068.4
23/01/2020 18:26	5.4	7.2	1024.3	920.5	12.6	5068.4
23/01/2020 18:41	5.4	7.2	1023.8	920.5	12.6	5068.4
23/01/2020 18:56	5.4	7.2	1023.8	920.5	12.6	5068.4
23/01/2020 19:11	5.4	7.1	1023.9	920.5	12.6	5068.4
23/01/2020 19:26	5.4	7	1023.2	920.5	12.6	5068.4
23/01/2020 19:41	5.4	7	1023.7	920.5	12.6	5068.4
23/01/2020 19:56	5.4	6.9	1023.3	920.6	12.6	5067.9
23/01/2020 20:11	5.4	6.9	1023.4	920.7	12.6	5067.5
23/01/2020 20:26	5.4	6.8	1023.3	920.7	12.6	5067.5
23/01/2020 20:41	5.4	6.8	1023.5	920.7	12.6	5067.5
23/01/2020 20:56	5.4	6.8	1023.1	920.6	12.6	5067.9
23/01/2020 21:11	5.4	6.8	1023.3	920.6	12.6	5067.9
23/01/2020 21:26	5.4	6.8	1023.1	920.7	12.6	5067.5
23/01/2020 21:41	5.4	6.8	1023.1	920.6	12.6	5067.9
23/01/2020 21:56	5.4	6.8	1022.9	920.6	12.6	5067.9
23/01/2020 22:11	5.4	6.7	1022.7	920.6	12.6	5067.9
23/01/2020 22:26	5.4	6.6	1022.9	920.6	12.6	5067.9
23/01/2020 22:41	5.4	6.6	1022.9	920.5	12.6	5068.4
23/01/2020 22:56	5.4	6.5	1022.8	920.6	12.6	5067.9
23/01/2020 23:11	5.4	6.4	1022.9	920.6	12.6	5067.9
23/01/2020 23:26	5.4	6.4	1022.7	920.5	12.6	5068.4
23/01/2020 23:41	5.4	6.3	1022.3	920.5	12.6	5068.4
23/01/2020 23:56	5.4	6.3	1022.4	920.4	12.6	5068.8
24/01/2020 00:11	5.4	6.3	1022.3	920.3	12.6	5069.3
24/01/2020 00:26	5.4	6.2	1022.3	920.3	12.6	5069.3
24/01/2020 00:41	5.4	6.2	1022.1	920.2	12.6	5069.7
24/01/2020 00:56	5.4	6.2	1021.5	920.1	12.6	5070.2
24/01/2020 01:11	5.4	6.2	1021.5	920	12.6	5070.6
24/01/2020 01:26	5.4	6.2	1021.4	920	12.6	5070.6
24/01/2020 01:41	5.4	6.1	1021.2	919.9	12.6	5071.1
24/01/2020 01:56	5.4	6.1	1021.2	919.9	12.6	5071.1
24/01/2020 02:11	5.4	6.1	1020.8	919.9	12.6	5071.1
24/01/2020 02:26	5.4	6.1	1020.8	919.8	12.6	5071.5
24/01/2020 02:41	5.4	6.1	1020.6	919.8	12.6	5071.5
24/01/2020 02:56	5.4	6	1020.4	919.8	12.6	5072
24/01/2020 03:11	5.4	6	1020.5	919.8	12.6	5072
24/01/2020 03:26	5.4	6	1020.1	919.8	12.6	5072
24/01/2020 03:41	5.4	6	1020.2	919.8	12.6	5072
24/01/2020 03:56	5.4	6	1020.1	919.8	12.6	5071.5
24/01/2020 04:11	5.4	6	1019.8	919.8	12.6	5072
24/01/2020 04:26	5.4	6	1019.9	919.8	12.6	5071.5
24/01/2020 04:41	5.4	6	1019.6	919.9	12.6	5071.1
24/01/2020 04:56	5.4	5.9	1019.7	919.9	12.6	5071.1
24/01/2020 05:11	5.4	5.9	1019.2	919.9	12.6	5071.1
24/01/2020 05:26	5.4	5.9	1019.2	919.9	12.6	5071.1
24/01/2020 05:41	5.4	5.9	1019.4	920	12.6	5070.6

24/01/2020 05:56	5.4	5.9	1019.3	920	12.6	5070.6
24/01/2020 06:11	5.4	5.8	1019.3	920.1	12.6	5070.2
24/01/2020 06:26	5.4	5.8	1019.6	920.1	12.6	5070.2
24/01/2020 06:41	5.4	5.9	1019.6	920.1	12.6	5070.2
24/01/2020 06:56	5.4	5.9	1019.7	920.2	12.6	5069.7
24/01/2020 07:11	5.4	5.9	1019.5	920.2	12.6	5069.7
24/01/2020 07:26	5.4	5.9	1019.6	920.3	12.6	5069.3
24/01/2020 07:41	5.4	5.9	1019.5	920.3	12.6	5069.3
24/01/2020 07:56	5.4	5.9	1019.3	920.3	12.6	5069.3
24/01/2020 08:11	5.4	5.9	1019.3	920.4	12.6	5068.8
24/01/2020 08:26	5.4	6	1019.4	920.5	12.6	5068.4
24/01/2020 08:41	5.4	6.1	1019.6	920.5	12.6	5068.4
24/01/2020 08:56	5.4	6.1	1019.9	920.5	12.6	5068.4
24/01/2020 09:11	5.4	6.2	1019.9	920.5	12.6	5068.4
24/01/2020 09:26	5.4	6.3	1019.7	920.5	12.6	5068.4
24/01/2020 09:41	5.4	6.4	1019.7	920.5	12.6	5068.4
24/01/2020 09:56	5.4	6.5	1020.1	920.6	12.6	5067.9
24/01/2020 10:11	5.4	6.6	1019.7	920.6	12.6	5067.9
24/01/2020 10:26	5.4	6.6	1020	920.6	12.6	5067.9
24/01/2020 10:41	5.4	6.7	1019.8	920.6	12.6	5067.9
24/01/2020 10:56	5.4	6.7	1019.7	920.5	12.6	5068.4
24/01/2020 11:11	5.4	6.8	1019.5	920.6	12.6	5067.9
24/01/2020 11:26	5.4	6.9	1019.6	920.5	12.6	5068.4
24/01/2020 11:41	5.4	7	1019.3	920.5	12.6	5068.4
24/01/2020 11:56	5.4	7.1	1019	920.4	12.6	5068.8
24/01/2020 12:11	5.4	7.2	1018.6	920.4	12.6	5068.8
24/01/2020 12:26	5.4	7.2	1018.8	920.3	12.6	5069.3
24/01/2020 12:41	5.4	7.2	1018.9	920.2	12.6	5069.7
24/01/2020 12:56	5.4	7.2	1018.5	920.1	12.6	5070.2
24/01/2020 13:11	5.4	7.2	1018.4	920.1	12.6	5070.2
24/01/2020 13:26	5.4	7.2	1018.3	920	12.6	5070.6
24/01/2020 13:41	5.4	7.2	1017.9	919.9	12.6	5071.1
24/01/2020 13:56	5.4	7.2	1017.8	919.9	12.6	5071.1
24/01/2020 14:11	5.4	7.2	1017.6	919.9	12.6	5071.1
24/01/2020 14:26	5.4	7.2	1017.8	919.9	12.6	5071.1
24/01/2020 14:41	5.4	7.2	1017.4	919.8	12.6	5071.5
24/01/2020 14:56	5.4	7.2	1017.7	919.8	12.6	5072
24/01/2020 15:11	5.4	7.1	1017.6	919.8	12.6	5072
24/01/2020 15:26	5.4	7.1	1017.6	919.8	12.6	5072
24/01/2020 15:41	5.4	7	1017.6	919.8	12.6	5072
24/01/2020 15:56	5.4	6.9	1017.7	919.8	12.6	5072
24/01/2020 16:11	5.4	6.8	1017.6	919.8	12.6	5072
24/01/2020 16:26	5.4	6.8	1017.7	919.8	12.6	5072
24/01/2020 16:41	5.4	6.7	1017.7	919.8	12.6	5071.5
24/01/2020 16:56	5.4	6.7	1017.8	919.8	12.6	5072
24/01/2020 17:11	5.4	6.6	1017.8	919.8	12.6	5071.5
24/01/2020 17:26	5.4	6.6	1018.1	919.9	12.6	5071.1
24/01/2020 17:41	5.4	6.5	1017.8	919.9	12.6	5071.1
24/01/2020 17:56	5.4	6.5	1018	920	12.6	5070.6
24/01/2020 18:11	5.4	6.5	1017.8	920.1	12.6	5070.2

24/01/2020 18:26	5.4	6.5	1018	920.1	12.6	5070.2
24/01/2020 18:41	5.4	6.5	1018	920.2	12.6	5069.7
24/01/2020 18:56	5.4	6.5	1018	920.2	12.6	5069.7
24/01/2020 19:11	5.4	6.4	1018.2	920.3	12.6	5069.3
24/01/2020 19:26	5.4	6.4	1018.2	920.3	12.6	5069.3
24/01/2020 19:41	5.4	6.4	1018.2	920.3	12.6	5069.3
24/01/2020 19:56	5.4	6.3	1018	920.4	12.6	5068.8
24/01/2020 20:11	5.4	6.3	1018.2	920.4	12.6	5068.8
24/01/2020 20:26	5.4	6.4	1018.1	920.4	12.6	5068.8
24/01/2020 20:41	5.4	6.4	1018	920.4	12.6	5068.8
24/01/2020 20:56	5.4	6.4	1018.2	920.5	12.6	5068.4
24/01/2020 21:11	5.4	6.5	1018	920.5	12.6	5068.4
24/01/2020 21:26	5.4	6.5	1017.8	920.5	12.6	5068.4
24/01/2020 21:41	5.4	6.5	1018	920.5	12.6	5068.4
24/01/2020 21:56	5.4	6.4	1017.8	920.4	12.6	5068.8
24/01/2020 22:11	5.4	6.4	1017.9	920.5	12.6	5068.4
24/01/2020 22:26	5.4	6.4	1017.9	920.4	12.6	5068.8
24/01/2020 22:41	5.4	6.4	1017.7	920.4	12.6	5068.8
24/01/2020 22:56	5.4	6.4	1017.7	920.4	12.6	5068.8
24/01/2020 23:11	5.4	6.3	1017.6	920.4	12.6	5068.8
24/01/2020 23:26	5.4	6.3	1017.9	920.4	12.6	5068.8
24/01/2020 23:41	5.4	6.3	1017.4	920.3	12.6	5069.3
24/01/2020 23:56	5.4	6.2	1017.4	920.3	12.6	5069.3
25/01/2020 00:11	5.4	6.2	1017.5	920.3	12.6	5069.3
25/01/2020 00:26	5.4	6.2	1017.2	920.2	12.6	5069.7
25/01/2020 00:41	5.4	6.2	1017	920.1	12.6	5070.2
25/01/2020 00:56	5.4	6.2	1017.2	920	12.6	5070.6
25/01/2020 01:11	5.4	6.2	1016.8	919.9	12.6	5071.1
25/01/2020 01:26	5.4	6.1	1017	919.9	12.6	5071.1
25/01/2020 01:41	5.4	6.1	1017.1	919.8	12.6	5071.5
25/01/2020 01:56	5.4	6.1	1017	919.8	12.6	5071.5
25/01/2020 02:11	5.4	6.2	1016.8	919.8	12.6	5071.5
25/01/2020 02:26	5.4	6.2	1016.8	919.8	12.6	5072
25/01/2020 02:41	5.4	6.2	1016.7	919.8	12.6	5072
25/01/2020 02:56	5.4	6.2	1016.5	919.8	12.6	5072
25/01/2020 03:11	5.4	6.2	1016.4	919.7	12.6	5072.4
25/01/2020 03:26	5.4	6.2	1016.3	919.7	12.6	5072.4
25/01/2020 03:41	5.4	6.2	1016	919.7	12.6	5072.4
25/01/2020 03:56	5.4	6.2	1016	919.6	12.6	5072.9
25/01/2020 04:11	5.4	6.2	1016	919.6	12.6	5072.9
25/01/2020 04:26	5.4	6.2	1016	919.6	12.6	5072.9
25/01/2020 04:41	5.4	6.1	1016	919.6	12.6	5072.9
25/01/2020 04:56	5.4	6.1	1015.9	919.7	12.6	5072.4
25/01/2020 05:11	5.4	6.1	1015.8	919.7	12.6	5072.4
25/01/2020 05:26	5.4	6.1	1015.9	919.6	12.6	5072.9
25/01/2020 05:41	5.4	6.1	1016.1	919.8	12.6	5072
25/01/2020 05:56	5.4	6	1016	919.8	12.6	5072
25/01/2020 06:11	5.4	6	1016.2	919.8	12.6	5072
25/01/2020 06:26	5.4	6	1015.9	919.8	12.6	5071.5
25/01/2020 06:41	5.4	5.9	1016.1	919.8	12.6	5072

25/01/2020 06:56	5.4	5.9	1016	919.9	12.6	5071.1
25/01/2020 07:11	5.4	5.9	1016.2	919.9	12.6	5071.1
25/01/2020 07:26	5.4	5.8	1016.3	919.9	12.6	5071.1
25/01/2020 07:41	5.4	5.8	1016.2	919.9	12.6	5071.1
25/01/2020 07:56	5.4	5.8	1016.5	920	12.6	5070.6
25/01/2020 08:11	5.4	5.8	1016.4	920.1	12.6	5070.2
25/01/2020 08:26	5.4	5.9	1016.7	920.1	12.6	5070.2
25/01/2020 08:41	5.4	6	1016.6	920.1	12.6	5070.2
25/01/2020 08:56	5.4	6	1016.5	920.2	12.6	5069.7
25/01/2020 09:11	5.4	6.2	1016.7	920.3	12.6	5069.3
25/01/2020 09:26	5.4	6.3	1016.7	920.2	12.6	5069.7
25/01/2020 09:41	5.4	6.4	1016.6	920.3	12.6	5069.3
25/01/2020 09:56	5.4	6.6	1016.7	920.3	12.6	5069.3
25/01/2020 10:11	5.4	6.6	1016.6	920.3	12.6	5069.3
25/01/2020 10:26	5.4	6.7	1016.8	920.3	12.6	5069.3
25/01/2020 10:41	5.4	6.8	1016.7	920.3	12.6	5069.3
25/01/2020 10:56	5.4	6.8	1016.7	920.4	12.6	5068.8
25/01/2020 11:11	5.4	6.9	1016.5	920.4	12.6	5068.8
25/01/2020 11:26	5.4	7	1016.3	920.4	12.6	5068.8
25/01/2020 11:41	5.4	7.1	1016.1	920.4	12.6	5068.8
25/01/2020 11:56	5.4	7.1	1016.1	920.4	12.6	5068.8
25/01/2020 12:11	5.4	7.2	1015.9	920.3	12.6	5069.3
25/01/2020 12:26	5.4	7.2	1015.9	920.2	12.6	5069.7
25/01/2020 12:41	5.4	7.3	1015.5	920.1	12.6	5070.2
25/01/2020 12:56	5.4	7.3	1015.8	920	12.6	5070.6
25/01/2020 13:11	5.4	7.3	1015.5	920	12.6	5070.6
25/01/2020 13:26	5.4	7.2	1015.3	919.9	12.6	5071.1
25/01/2020 13:41	5.4	7.2	1015.2	919.8	12.6	5071.5
25/01/2020 13:56	5.4	7.2	1014.9	919.8	12.6	5071.5
25/01/2020 14:11	5.4	7.1	1014.8	919.8	12.6	5071.5
25/01/2020 14:26	5.4	7	1014.5	919.8	12.6	5072
25/01/2020 14:41	5.4	6.9	1014.5	919.8	12.6	5072
25/01/2020 14:56	5.4	6.8	1014.6	919.8	12.6	5072
25/01/2020 15:11	5.4	6.7	1014.3	919.7	12.6	5072.4
25/01/2020 15:26	5.4	6.7	1014.4	919.8	12.6	5072
25/01/2020 15:41	5.4	6.6	1014.3	919.7	12.6	5072.4
25/01/2020 15:56	5.4	6.5	1014.2	919.7	12.6	5072.4
25/01/2020 16:11	5.4	6.4	1014.2	919.7	12.6	5072.4
25/01/2020 16:26	5.4	6.3	1014.4	919.6	12.6	5072.9
25/01/2020 16:41	5.4	6.2	1014.6	919.6	12.6	5072.9
25/01/2020 16:56	5.4	6.2	1014.3	919.7	12.6	5072.4
25/01/2020 17:11	5.4	6.2	1014.6	919.7	12.6	5072.4
25/01/2020 17:26	5.4	6.2	1014.3	919.7	12.6	5072.4
25/01/2020 17:41	5.4	6.2	1014.5	919.8	12.6	5072
25/01/2020 17:56	5.4	6.2	1014.2	919.8	12.6	5072
25/01/2020 18:11	5.4	6.2	1014.3	919.8	12.6	5072
25/01/2020 18:26	5.4	6.1	1014.2	919.8	12.6	5071.5
25/01/2020 18:41	5.4	6	1014.4	919.8	12.6	5071.5
25/01/2020 18:56	5.4	5.9	1014.2	919.8	12.6	5071.5
25/01/2020 19:11	5.4	5.8	1014.3	919.8	12.6	5071.5

25/01/2020 19:26	5.4	5.7	1014.2	919.9	12.6	5071.1
25/01/2020 19:41	5.4	5.6	1014	919.9	12.6	5071.1
25/01/2020 19:56	5.4	5.6	1014	920	12.6	5070.6
25/01/2020 20:11	5.4	5.6	1013.8	920	12.6	5070.6
25/01/2020 20:26	5.4	5.7	1013.6	920	12.6	5070.6
25/01/2020 20:41	5.4	5.7	1013.5	920	12.6	5070.6
25/01/2020 20:56	5.4	5.8	1013.3	920.1	12.6	5070.2
25/01/2020 21:11	5.4	5.8	1013.1	920.1	12.6	5070.2
25/01/2020 21:26	5.4	5.9	1012.9	920.1	12.6	5070.2
25/01/2020 21:41	5.4	5.9	1012.9	920.1	12.6	5070.2
25/01/2020 21:56	5.4	5.9	1012.7	920.2	12.6	5069.7
25/01/2020 22:11	5.4	6	1012.4	920.2	12.6	5069.7
25/01/2020 22:26	5.4	6	1012.5	920.1	12.6	5070.2
25/01/2020 22:41	5.4	6.1	1012.2	920.2	12.6	5069.7
25/01/2020 22:56	5.4	6.1	1012.3	920.1	12.6	5070.2
25/01/2020 23:11	5.4	6.1	1012.1	920.1	12.6	5070.2
25/01/2020 23:26	5.4	6.1	1012.2	920	12.6	5070.6
25/01/2020 23:41	5.4	6.2	1011.5	920	12.6	5070.6
25/01/2020 23:56	5.4	6.3	1011.4	920	12.6	5070.6
26/01/2020 00:11	5.4	6.3	1011.1	920	12.6	5070.6
26/01/2020 00:26	5.4	6.4	1011.1	920	12.6	5070.6
26/01/2020 00:41	5.4	6.4	1010.7	919.9	12.6	5071.1
26/01/2020 00:56	5.4	6.5	1010.9	919.9	12.6	5071.1
26/01/2020 01:11	5.4	6.5	1010.9	919.8	12.6	5071.5
26/01/2020 01:26	5.4	6.5	1010.4	919.8	12.6	5072
26/01/2020 01:41	5.4	6.5	1010.7	919.8	12.6	5072
26/01/2020 01:56	5.4	6.5	1010.4	919.8	12.6	5072
26/01/2020 02:11	5.4	6.6	1010	919.7	12.6	5072.4
26/01/2020 02:26	5.4	6.6	1010.2	919.6	12.6	5072.9
26/01/2020 02:41	5.4	6.7	1010.3	919.7	12.6	5072.4
26/01/2020 02:56	5.4	6.7	1010.2	919.6	12.6	5072.9
26/01/2020 03:11	5.4	6.7	1010.1	919.7	12.6	5072.4
26/01/2020 03:26	5.4	6.7	1010	919.6	12.6	5072.9
26/01/2020 03:41	5.4	6.6	1009.8	919.7	12.6	5072.4
26/01/2020 03:56	5.4	6.6	1009.7	919.7	12.6	5072.4
26/01/2020 04:11	5.4	6.7	1009.7	919.6	12.6	5072.9
26/01/2020 04:26	5.4	6.7	1009.7	919.6	12.6	5072.9
26/01/2020 04:41	5.4	6.8	1009.3	919.7	12.6	5072.4
26/01/2020 04:56	5.4	6.8	1008.9	919.6	12.6	5072.9
26/01/2020 05:11	5.4	6.9	1009.2	919.6	12.6	5072.9
26/01/2020 05:26	5.4	7	1008.9	919.6	12.6	5072.9
26/01/2020 05:41	5.4	7.1	1008.9	919.6	12.6	5072.9
26/01/2020 05:56	5.4	7.2	1008.9	919.6	12.6	5072.9
26/01/2020 06:11	5.4	7.1	1008.8	919.6	12.6	5072.9
26/01/2020 06:26	5.4	7.1	1008.8	919.6	12.6	5072.9
26/01/2020 06:41	5.4	7.2	1008.6	919.6	12.6	5072.9
26/01/2020 06:56	5.4	7.2	1008.6	919.6	12.6	5072.9
26/01/2020 07:11	5.4	7.3	1008.6	919.6	12.6	5072.9
26/01/2020 07:26	5.4	7.5	1008.5	919.7	12.6	5072.4
26/01/2020 07:41	5.4	7.6	1008.6	919.8	12.6	5072

26/01/2020 07:56	5.4	7.8	1009	919.7	12.6	5072.4
26/01/2020 08:11	5.4	7.9	1008.8	919.8	12.6	5072
26/01/2020 08:26	5.4	8	1008.4	919.8	12.6	5072
26/01/2020 08:41	5.4	8.1	1008.5	919.8	12.6	5072
26/01/2020 08:56	5.4	8.2	1008.4	919.8	12.6	5072
26/01/2020 09:11	5.4	8.6	1008.4	919.8	12.6	5071.5
26/01/2020 09:26	5.4	9.7	1008.6	919.8	12.6	5071.5
26/01/2020 09:41	5.4	10.3	1008.5	919.9	12.6	5071.1
26/01/2020 09:56	5.4	9.9	1008.6	919.9	12.6	5071.1
26/01/2020 10:11	5.4	9.6	1008.4	919.9	12.6	5071.1
26/01/2020 10:26	5.4	9.3	1008.3	919.9	12.6	5071.1
26/01/2020 10:41	5.4	9.2	1007.9	920	12.6	5070.6
26/01/2020 10:56	5.4	9.4	1007.6	919.9	12.6	5071.1
26/01/2020 11:11	5.4	9.9	1007.7	920	12.6	5070.6
26/01/2020 11:26	5.4	10.3	1007.3	920	12.6	5070.6
26/01/2020 11:41	5.4	10.8	1007.1	919.9	12.6	5071.1
26/01/2020 11:56	5.4	10.6	1006.5	919.9	12.6	5071.1
26/01/2020 12:11	5.4	10.3	1006.3	919.9	12.6	5071.1
26/01/2020 12:26	5.4	10.2	1006.6	919.9	12.6	5071.1
26/01/2020 12:41	5.4	10	1006.2	919.9	12.6	5071.1
26/01/2020 12:56	5.4	9.8	1006	919.8	12.6	5071.5
26/01/2020 13:11	5.4	9.7	1006.3	919.8	12.6	5072
26/01/2020 13:26	5.4	9.8	1005.4	919.8	12.6	5072
26/01/2020 13:41	5.4	10.3	1005.5	919.8	12.6	5072
26/01/2020 13:56	5.4	10.3	1005.2	919.6	12.6	5072.9
26/01/2020 14:11	5.4	10.1	1005.2	919.6	12.6	5072.9
26/01/2020 14:26	5.4	10	1005.1	919.6	12.6	5072.9
26/01/2020 14:41	5.4	9.9	1005	919.6	12.6	5072.9
26/01/2020 14:56	5.4	9.8	1004.9	919.6	12.6	5072.9
26/01/2020 15:11	5.4	9.6	1004.6	919.6	12.6	5072.9
26/01/2020 15:26	5.4	9.4	1004.5	919.6	12.6	5072.9
26/01/2020 15:41	5.4	9.2	1004.5	919.6	12.6	5072.9
26/01/2020 15:56	5.4	9.1	1004.5	919.6	12.6	5072.9
26/01/2020 16:11	5.4	8.9	1004.4	919.7	12.6	5072.4
26/01/2020 16:26	5.4	8.9	1004.5	919.7	12.6	5072.4
26/01/2020 16:41	5.4	8.9	1004	919.6	12.6	5072.9
26/01/2020 16:56	5.4	8.9	1003.9	919.7	12.6	5072.4
26/01/2020 17:11	5.4	9	1003.9	919.7	12.6	5072.4
26/01/2020 17:26	5.4	8.9	1003.7	919.6	12.6	5072.9
26/01/2020 17:41	5.4	8.9	1003.7	919.7	12.6	5072.4
26/01/2020 17:56	5.4	8.7	1003.8	919.7	12.6	5072.4
26/01/2020 18:11	5.4	8.6	1003.3	919.7	12.6	5072.4
26/01/2020 18:26	5.4	8.6	1003.2	919.6	12.6	5072.9
26/01/2020 18:41	5.4	8.5	1003	919.7	12.6	5072.4
26/01/2020 18:56	5.4	8.5	1002.9	919.7	12.6	5072.4
26/01/2020 19:11	5.4	8.5	1002.7	919.6	12.6	5072.9
26/01/2020 19:26	5.4	8.5	1002.7	919.6	12.6	5072.9
26/01/2020 19:41	5.4	8.5	1002.7	919.6	12.6	5072.9
26/01/2020 19:56	5.4	8.5	1002.1	919.7	12.6	5072.4
26/01/2020 20:11	5.4	8.5	1002.1	919.6	12.6	5072.9

26/01/2020 20:26	5.4	8.6	1001.8	919.6	12.6	5072.9
26/01/2020 20:41	5.4	8.6	1001.8	919.7	12.6	5072.4
26/01/2020 20:56	5.4	8.7	1001.6	919.6	12.6	5072.9
26/01/2020 21:11	5.4	8.8	1001.8	919.6	12.6	5072.9
26/01/2020 21:26	5.4	8.8	1001.5	919.6	12.6	5072.9
26/01/2020 21:41	5.4	8.8	1001.3	919.7	12.6	5072.4
26/01/2020 21:56	5.4	8.8	1001.3	919.7	12.6	5072.4
26/01/2020 22:11	5.4	8.9	1001.3	919.7	12.6	5072.4
26/01/2020 22:26	5.4	8.8	1001.3	919.8	12.6	5071.5
26/01/2020 22:41	5.4	8.8	1001.4	919.8	12.6	5072
26/01/2020 22:56	5.4	8.8	1001.3	919.7	12.6	5072.4
26/01/2020 23:11	5.4	8.7	1001.2	919.8	12.6	5072
26/01/2020 23:26	5.4	8.6	1001.6	919.8	12.6	5072
26/01/2020 23:41	5.4	8.5	1001.4	919.8	12.6	5072
26/01/2020 23:56	5.4	8.4	1001.5	919.8	12.6	5072
27/01/2020 00:11	5.4	8.3	1001.5	919.8	12.6	5072
27/01/2020 00:26	5.4	8	1001.1	919.8	12.6	5072
27/01/2020 00:41	5.4	7.8	1001.3	919.8	12.6	5072
27/01/2020 00:56	5.4	7.6	1001.3	919.8	12.6	5072
27/01/2020 01:11	5.4	7.5	1001.3	919.7	12.6	5072.4
27/01/2020 01:26	5.4	7.4	1001.2	919.7	12.6	5072.4
27/01/2020 01:41	5.4	7.6	1001.4	919.6	12.6	5072.9
27/01/2020 01:56	5.4	7.6	1001.1	919.6	12.6	5072.9
27/01/2020 02:11	5.4	7.4	1001	919.6	12.6	5072.9
27/01/2020 02:26	5.4	7.2	1001.4	919.6	12.6	5072.9
27/01/2020 02:41	5.4	7	1001.2	919.7	12.6	5072.4
27/01/2020 02:56	5.4	7.1	1001.1	919.7	12.6	5072.4
27/01/2020 03:11	5.4	7	1000.8	919.6	12.6	5072.9
27/01/2020 03:26	5.4	6.8	1000.5	919.7	12.6	5072.4
27/01/2020 03:41	5.4	6.8	1000.6	919.7	12.6	5072.4
27/01/2020 03:56	5.4	6.8	1000.8	919.8	12.6	5072
27/01/2020 04:11	5.4	6.8	1000.5	919.7	12.6	5072.4
27/01/2020 04:26	5.4	6.8	1000.3	919.7	12.6	5072.4
27/01/2020 04:41	5.4	6.8	1000.5	919.7	12.6	5072.4
27/01/2020 04:56	5.4	6.9	1000.3	919.7	12.6	5072.4
27/01/2020 05:11	5.4	6.8	1000	919.7	12.6	5072.4
27/01/2020 05:26	5.4	6.8	1000	919.7	12.6	5072.4
27/01/2020 05:41	5.4	6.9	1000	919.7	12.6	5072.4
27/01/2020 05:56	5.4	6.9	1000	919.7	12.6	5072.4
27/01/2020 06:11	5.4	6.9	999.7	919.7	12.6	5072.4
27/01/2020 06:26	5.4	6.9	1000	919.7	12.6	5072.4
27/01/2020 06:41	5.4	6.9	999.8	919.6	12.6	5072.9
27/01/2020 06:56	5.4	6.9	999.8	919.7	12.6	5072.4
27/01/2020 07:11	5.4	6.8	999.6	919.7	12.6	5072.4
27/01/2020 07:26	5.4	6.8	999.5	919.7	12.6	5072.4
27/01/2020 07:41	5.4	6.9	999.3	919.6	12.6	5072.9
27/01/2020 07:56	5.4	7.1	999.4	919.6	12.6	5072.9
27/01/2020 08:11	5.4	7.2	999.2	919.7	12.6	5072.4
27/01/2020 08:26	5.4	7.4	999.1	919.7	12.6	5072.4
27/01/2020 08:41	5.4	7.6	999.2	919.6	12.6	5072.9

27/01/2020 08:56	5.4	7.8	998.9	919.6	12.6	5072.9
27/01/2020 09:11	5.4	8	998.7	919.7	12.6	5072.4
27/01/2020 09:26	5.4	8.2	998.7	919.6	12.6	5072.9
27/01/2020 09:41	5.4	8.3	998.8	919.6	12.6	5072.9
27/01/2020 09:56	5.4	8.5	998.9	919.6	12.6	5072.9
27/01/2020 10:11	5.4	8.6	998.5	919.6	12.6	5072.9
27/01/2020 10:26	5.4	8.8	998.6	919.7	12.6	5072.4
27/01/2020 10:41	5.4	9	998.7	919.7	12.6	5072.4
27/01/2020 10:56	5.4	9.3	998.4	919.6	12.6	5072.9
27/01/2020 11:11	5.4	9.6	998	919.7	12.6	5072.4
27/01/2020 11:26	5.4	10	997.9	919.7	12.6	5072.4
27/01/2020 11:41	5.4	10.5	997.7	919.7	12.6	5072.4
27/01/2020 11:56	5.4	10.9	997.3	919.8	12.6	5072
27/01/2020 12:11	5.4	11.7	997.3	919.6	12.6	5072.9
27/01/2020 12:26	5.4	12.1	997	919.6	12.6	5072.9
27/01/2020 12:41	5.4	12.7	996.7	919.7	12.6	5072.4
27/01/2020 12:56	5.4	12.7	996.4	919.7	12.6	5072.4
27/01/2020 13:11	5.4	12.5	996.5	919.7	12.6	5072.4
27/01/2020 13:26	5.4	11.5	995.9	919.6	12.6	5072.9
27/01/2020 13:41	5.4	10.9	995.8	919.6	12.6	5072.9
27/01/2020 13:56	5.4	10.4	995.6	919.6	12.6	5072.9
27/01/2020 14:11	5.4	10	995.4	919.7	12.6	5072.4
27/01/2020 14:26	5.4	9.7	995.1	919.6	12.6	5072.9
27/01/2020 14:41	5.4	9.5	995	919.7	12.6	5072.4
27/01/2020 14:56	5.4	9.2	994.8	919.8	12.6	5072
27/01/2020 15:11	5.4	8.9	994.3	919.6	12.6	5072.9
27/01/2020 15:26	5.4	8.6	994.1	919.7	12.6	5072.4
27/01/2020 15:41	5.4	8.4	993.7	919.6	12.6	5072.9
27/01/2020 15:56	5.4	8.2	993.4	919.8	12.6	5072
27/01/2020 16:11	5.4	8.1	992.9	919.6	12.6	5072.9
27/01/2020 16:26	5.4	8	992.8	919.7	12.6	5072.4
27/01/2020 16:41	5.4	7.9	992.2	919.6	12.6	5072.9
27/01/2020 16:56	5.4	7.8	991.4	919.6	12.6	5072.9
27/01/2020 17:11	5.4	7.8	991.2	919.6	12.6	5072.9
27/01/2020 17:26	5.4	7.8	990.9	919.4	12.6	5073.8
27/01/2020 17:41	5.4	7.8	990.9	919.5	12.6	5073.3
27/01/2020 17:56	5.4	7.9	990.7	919.5	12.6	5073.3
27/01/2020 18:11	5.4	7.6	990.8	919.6	12.6	5072.9
27/01/2020 18:26	5.4	7	990.5	919.6	12.6	5072.9
27/01/2020 18:41	5.4	6.6	990.2	919.6	12.6	5072.9
27/01/2020 18:56	5.4	6.3	990.3	919.6	12.6	5072.9
27/01/2020 19:11	5.4	5.9	990.1	919.7	12.6	5072.4
27/01/2020 19:26	5.4	5.7	989.5	919.6	12.6	5072.9
27/01/2020 19:41	5.4	5.3	989.7	919.6	12.6	5072.9
27/01/2020 19:56	5.4	4.9	989.6	919.7	12.6	5072.4
27/01/2020 20:11	5.4	4.7	989.5	919.8	12.6	5072
27/01/2020 20:26	5.4	4.7	989.6	919.8	12.6	5072
27/01/2020 20:41	5.4	4.6	989.2	919.7	12.6	5072.4
27/01/2020 20:56	5.4	4.4	988.9	919.8	12.6	5072
27/01/2020 21:11	5.4	4.4	988.7	919.7	12.6	5072.4

27/01/2020 21:26	5.4	4.4	988.3	919.6	12.6	5072.9
27/01/2020 21:41	5.4	4.4	988.4	919.7	12.6	5072.4
27/01/2020 21:56	5.4	4.5	988.3	919.6	12.6	5072.9
27/01/2020 22:11	5.4	4.7	988.2	919.7	12.6	5072.4
27/01/2020 22:26	5.4	4.8	988.2	919.6	12.6	5072.9
27/01/2020 22:41	5.4	4.8	988	919.6	12.6	5072.9
27/01/2020 22:56	5.4	4.7	987.8	919.6	12.6	5072.9
27/01/2020 23:11	5.4	4.7	987.4	919.6	12.6	5072.9
27/01/2020 23:26	5.4	4.7	987.5	919.6	12.6	5072.9
27/01/2020 23:41	5.4	4.7	987.1	919.6	12.6	5072.9
27/01/2020 23:56	5.4	4.6	987.1	919.6	12.6	5072.9
28/01/2020 00:11	5.4	4.6	986.8	919.6	12.6	5072.9
28/01/2020 00:26	5.4	4.6	986.7	919.7	12.6	5072.4
28/01/2020 00:41	5.4	4.6	986.5	919.7	12.6	5072.4
28/01/2020 00:56	5.4	4.7	986.4	919.7	12.6	5072.4
28/01/2020 01:11	5.4	4.8	986.2	919.8	12.6	5072
28/01/2020 01:26	5.4	4.8	985.8	919.6	12.6	5072.9
28/01/2020 01:41	5.4	4.8	985.5	919.7	12.6	5072.4
28/01/2020 01:56	5.4	4.7	985.2	919.8	12.6	5072
28/01/2020 02:11	5.4	4.7	985.1	919.7	12.6	5072.4
28/01/2020 02:26	5.4	4.8	984.8	919.7	12.6	5072.4
28/01/2020 02:41	5.4	4.9	984.4	919.6	12.6	5072.9
28/01/2020 02:56	5.4	5	984.3	919.5	12.6	5073.3
28/01/2020 03:11	5.4	5.2	984.3	919.5	12.6	5073.3
28/01/2020 03:26	5.4	5.3	984.2	919.4	12.6	5073.8
28/01/2020 03:41	5.4	5.2	984	919.4	12.6	5073.8
28/01/2020 03:56	5.4	5.1	984.1	919.4	12.6	5073.8
28/01/2020 04:11	5.4	4.6	984.2	919.3	12.6	5074.2
28/01/2020 04:26	5.4	4.4	984.2	919.3	12.6	5074.2
28/01/2020 04:41	5.4	4.3	984.3	919.3	12.6	5074.2
28/01/2020 04:56	5.4	4.2	984.5	919.3	12.6	5074.2
28/01/2020 05:11	5.4	4.3	984.5	919.1	12.6	5075.1
28/01/2020 05:26	5.4	4.3	984.7	919	12.6	5075.6
28/01/2020 05:41	5.4	4.3	984.8	918.9	12.6	5076
28/01/2020 05:56	5.4	4.3	985.3	918.9	12.6	5076
28/01/2020 06:11	5.4	4.2	985.2	919.2	12.6	5074.7
28/01/2020 06:26	5.4	4.2	985.7	919.1	12.6	5075.1
28/01/2020 06:41	5.4	4.1	985.7	919.1	12.6	5075.1
28/01/2020 06:56	5.4	4	985.6	919.1	12.6	5075.1
28/01/2020 07:11	5.4	3.9	986.2	919.3	12.6	5074.2
28/01/2020 07:26	5.4	3.8	986.8	919.3	12.6	5074.2
28/01/2020 07:41	5.4	3.7	987	919.5	12.6	5073.3
28/01/2020 07:56	5.4	3.7	987.1	919.5	12.6	5073.3
28/01/2020 08:11	5.4	3.7	987.4	919.6	12.6	5072.9
28/01/2020 08:26	5.4	4	987.9	919.6	12.6	5072.9
28/01/2020 08:41	5.4	4.5	987.8	919.8	12.6	5072
28/01/2020 08:56	5.4	5.7	988.1	919.6	12.6	5072.9
28/01/2020 09:11	5.4	6.7	988.6	919.7	12.6	5072.4
28/01/2020 09:26	5.4	7.7	988.6	919.8	12.6	5072
28/01/2020 09:41	5.4	8.5	989	919.6	12.6	5072.9

28/01/2020 09:56	5.4	8.8	989.3	919.6	12.6	5072.9
28/01/2020 10:11	5.4	8.8	989.7	919.7	12.6	5072.4
28/01/2020 10:26	5.4	8.4	990	919.7	12.6	5072.4
28/01/2020 10:41	5.4	7.9	990.1	919.7	12.6	5072.4
28/01/2020 10:56	5.4	7.5	990.4	919.6	12.6	5072.9
28/01/2020 11:11	5.4	7.8	990.5	919.6	12.6	5072.9
28/01/2020 11:26	5.4	8.5	990.7	919.6	12.6	5072.9
28/01/2020 11:41	5.4	9.2	990.8	919.5	12.6	5073.3
28/01/2020 11:56	5.4	9.9	991.2	919.6	12.6	5072.9
28/01/2020 12:11	5.4	10.6	990.6	919.6	12.6	5072.9
28/01/2020 12:26	5.4	9.8	991.2	919.6	12.6	5072.9
28/01/2020 12:41	5.4	8.6	991.3	919.6	12.6	5072.9
28/01/2020 12:56	5.4	7.7	991.6	919.6	12.6	5072.9
28/01/2020 13:11	5.4	7.2	991.7	919.7	12.6	5072.4
28/01/2020 13:26	5.4	7.5	991.8	919.6	12.6	5072.9
28/01/2020 13:41	5.4	8.3	991.4	919.6	12.6	5072.9
28/01/2020 13:56	5.4	9.5	991.3	919.6	12.6	5072.9
28/01/2020 14:11	5.4	10.5	991.2	919.6	12.6	5072.9
28/01/2020 14:26	5.4	10.9	991.5	919.7	12.6	5072.4
28/01/2020 14:41	5.4	10.8	991.8	919.6	12.6	5072.9
28/01/2020 14:56	5.4	11	991.5	919.6	12.6	5072.9
28/01/2020 15:11	5.4	10.6	991.8	919.7	12.6	5072.4
28/01/2020 15:26	5.4	10.2	991.8	919.6	12.6	5072.9
28/01/2020 15:41	5.4	9.6	992.1	919.8	12.6	5072
28/01/2020 15:56	5.4	8.6	992.1	919.7	12.6	5072.4
28/01/2020 16:11	5.4	7.8	992	919.8	12.6	5072
28/01/2020 16:26	5.4	7.1	992.3	919.8	12.6	5072
28/01/2020 16:41	5.4	6.6	992.4	919.8	12.6	5072
28/01/2020 16:56	5.4	6.2	992.4	919.6	12.6	5072.9
28/01/2020 17:11	5.4	5.7	992.7	919.8	12.6	5072
28/01/2020 17:26	5.4	5.4	993	919.7	12.6	5072.4
28/01/2020 17:41	5.4	5.2	993.1	919.7	12.6	5072.4
28/01/2020 17:56	5.4	5	993.3	919.6	12.6	5072.9
28/01/2020 18:11	5.4	4.8	993.3	919.6	12.6	5072.9
28/01/2020 18:26	5.4	4.7	993.7	919.7	12.6	5072.4
28/01/2020 18:41	5.4	4.6	993.2	919.6	12.6	5072.9
28/01/2020 18:56	5.4	4.4	993.9	919.7	12.6	5072.4
28/01/2020 19:11	5.4	4.3	994.1	919.7	12.6	5072.4
28/01/2020 19:26	5.4	4.2	994.4	919.7	12.6	5072.4
28/01/2020 19:41	5.4	4.1	994.3	919.8	12.6	5072
28/01/2020 19:56	5.4	3.9	994.6	919.7	12.6	5072.4
28/01/2020 20:11	5.4	3.8	994.6	919.8	12.6	5072
28/01/2020 20:26	5.4	3.7	994.7	919.6	12.6	5072.9
28/01/2020 20:41	5.4	3.7	994.8	919.7	12.6	5072.4
28/01/2020 20:56	5.4	3.8	994.9	919.6	12.6	5072.9
28/01/2020 21:11	5.4	3.7	994.9	919.6	12.6	5072.9
28/01/2020 21:26	5.4	3.7	995.2	919.6	12.6	5072.9
28/01/2020 21:41	5.4	3.5	995.4	919.6	12.6	5072.9
28/01/2020 21:56	5.4	3.4	995.3	919.6	12.6	5072.9
28/01/2020 22:11	5.4	3.3	995.8	919.6	12.6	5072.9

28/01/2020 22:26	5.4	3.3	995.8	919.6	12.6	5072.9
28/01/2020 22:41	5.4	3.3	996.3	919.6	12.6	5072.9
28/01/2020 22:56	5.4	3.2	996.1	919.6	12.6	5072.9
28/01/2020 23:11	5.4	3.1	996.5	919.7	12.6	5072.4
28/01/2020 23:26	5.4	3	996.5	919.7	12.6	5072.4
28/01/2020 23:41	5.4	2.9	996.6	919.8	12.6	5072
28/01/2020 23:56	5.4	2.8	996.8	919.7	12.6	5072.4
29/01/2020 00:11	5.4	2.8	997.3	919.7	12.6	5072.4
29/01/2020 00:26	5.4	2.8	997.1	919.7	12.6	5072.4
29/01/2020 00:41	5.4	2.8	996.9	919.7	12.6	5072.4
29/01/2020 00:56	5.4	2.8	997.3	919.8	12.6	5072
29/01/2020 01:11	5.4	2.8	997.7	919.7	12.6	5072.4
29/01/2020 01:26	5.4	2.8	997.6	919.8	12.6	5072
29/01/2020 01:41	5.4	2.7	998	919.7	12.6	5072.4
29/01/2020 01:56	5.4	2.7	998.3	919.7	12.6	5072.4
29/01/2020 02:11	5.4	2.8	998.3	919.7	12.6	5072.4
29/01/2020 02:26	5.4	2.7	998.2	919.6	12.6	5072.9
29/01/2020 02:41	5.4	2.8	998.4	919.6	12.6	5072.9
29/01/2020 02:56	5.4	2.9	998.4	919.6	12.6	5072.9
29/01/2020 03:11	5.4	3.1	998.4	919.6	12.6	5072.9
29/01/2020 03:26	5.4	3.3	998.3	919.6	12.6	5072.9
29/01/2020 03:41	5.4	3.4	998.7	919.6	12.6	5072.9
29/01/2020 03:56	5.4	3.5	998.8	919.6	12.6	5072.9
29/01/2020 04:11	5.4	3.5	998.9	919.6	12.6	5072.9
29/01/2020 04:26	5.4	3.5	999.5	919.7	12.6	5072.4
29/01/2020 04:41	5.4	3.5	999.4	919.7	12.6	5072.4
29/01/2020 04:56	5.4	3.5	999.3	919.6	12.6	5072.9
29/01/2020 05:11	5.4	3.5	999.5	919.6	12.6	5072.9
29/01/2020 05:26	5.4	3.5	999.6	919.6	12.6	5072.9
29/01/2020 05:41	5.4	3.4	999.8	919.8	12.6	5072
29/01/2020 05:56	5.4	3.3	1000	919.8	12.6	5072
29/01/2020 06:11	5.4	3.2	1000.6	919.8	12.6	5072
29/01/2020 06:26	5.4	3	1000.9	919.7	12.6	5072.4
29/01/2020 06:41	5.4	2.9	1001	919.7	12.6	5072.4
29/01/2020 06:56	5.4	2.8	1000.9	919.7	12.6	5072.4
29/01/2020 07:11	5.4	2.7	1001.1	919.7	12.6	5072.4
29/01/2020 07:26	5.4	2.8	1001.5	919.6	12.6	5072.9
29/01/2020 07:41	5.4	2.8	1002	919.6	12.6	5072.9
29/01/2020 07:56	5.4	3	1002.1	919.7	12.6	5072.4
29/01/2020 08:11	5.4	3.3	1002.4	919.6	12.6	5072.9
29/01/2020 08:26	5.4	4	1002.2	919.6	12.6	5072.9
29/01/2020 08:41	5.4	5.1	1002.3	919.6	12.6	5072.9
29/01/2020 08:56	5.4	6.2	1002.2	919.6	12.6	5072.9
29/01/2020 09:11	5.4	7.3	1002.7	919.6	12.6	5072.9
29/01/2020 09:26	5.4	8.3	1002.9	919.7	12.6	5072.4
29/01/2020 09:41	5.4	9.2	1003.2	919.6	12.6	5072.9
29/01/2020 09:56	5.4	10	1003.1	919.6	12.6	5072.9
29/01/2020 10:11	5.4	10.1	1003.1	919.6	12.6	5072.9
29/01/2020 10:26	5.4	9.9	1003.3	919.6	12.6	5072.9
29/01/2020 10:41	5.4	9.4	1003.7	919.7	12.6	5072.4

29/01/2020 10:56	5.4	9.1	1004	919.8	12.6	5072
29/01/2020 11:11	5.4	9.3	1003.8	919.8	12.6	5072
29/01/2020 11:26	5.4	10	1004.1	919.7	12.6	5072.4
29/01/2020 11:41	5.4	10.9	1004.3	919.8	12.6	5071.5
29/01/2020 11:56	5.4	11.8	1004.1	919.8	12.6	5071.5
29/01/2020 12:11	5.4	12.3	1004.5	919.8	12.6	5071.5
29/01/2020 12:26	5.4	12.8	1004.3	919.8	12.6	5072
29/01/2020 12:41	5.4	13	1004.6	919.8	12.6	5071.5
29/01/2020 12:56	5.4	13.1	1004.5	919.8	12.6	5071.5
29/01/2020 13:11	5.4	12.9	1004.3	919.9	12.6	5071.1
29/01/2020 13:26	5.4	12.7	1004.5	919.9	12.6	5071.1
29/01/2020 13:41	5.4	12.6	1004.4	919.9	12.6	5071.1
29/01/2020 13:56	5.4	11.9	1004.7	919.9	12.6	5071.1
29/01/2020 14:11	5.4	11	1004.9	919.9	12.6	5071.1
29/01/2020 14:26	5.4	10.3	1004.9	919.9	12.6	5071.1
29/01/2020 14:41	5.4	9.7	1005	919.8	12.6	5071.5
29/01/2020 14:56	5.4	9.3	1005	919.8	12.6	5071.5
29/01/2020 15:11	5.4	9	1005.6	919.8	12.6	5072
29/01/2020 15:26	5.4	8.7	1005.6	919.8	12.6	5072
29/01/2020 15:41	5.4	8.4	1005.8	919.6	12.6	5072.9
29/01/2020 15:56	5.4	8.2	1005.9	919.6	12.6	5072.9
29/01/2020 16:11	5.4	8	1005.6	919.7	12.6	5072.4
29/01/2020 16:26	5.4	7.8	1005.7	919.7	12.6	5072.4
29/01/2020 16:41	5.4	7.6	1005.5	919.6	12.6	5072.9
29/01/2020 16:56	5.4	7.4	1005.7	919.6	12.6	5072.9
29/01/2020 17:11	5.4	7.2	1005.6	919.6	12.6	5072.9
29/01/2020 17:26	5.4	7.1	1005.4	919.6	12.6	5072.9
29/01/2020 17:41	5.4	7	1005.6	919.6	12.6	5072.9
29/01/2020 17:56	5.4	7	1005.3	919.6	12.6	5072.9
29/01/2020 18:11	5.4	7	1005.4	919.6	12.6	5072.9
29/01/2020 18:26	5.4	7	1005.5	919.6	12.6	5072.9
29/01/2020 18:41	5.4	7	1005.5	919.6	12.6	5072.9
29/01/2020 18:56	5.4	7.1	1005.9	919.6	12.6	5072.9
29/01/2020 19:11	5.4	7.3	1005.9	919.6	12.6	5072.9
29/01/2020 19:26	5.4	7.4	1005.9	919.6	12.6	5072.9
29/01/2020 19:41	5.4	7.5	1005.8	919.6	12.6	5072.9
29/01/2020 19:56	5.4	7.5	1005.7	919.6	12.6	5072.9
29/01/2020 20:11	5.4	7.6	1005.4	919.6	12.6	5072.9
29/01/2020 20:26	5.4	7.6	1005.4	919.7	12.6	5072.4
29/01/2020 20:41	5.4	7.5	1005	919.7	12.6	5072.4
29/01/2020 20:56	5.4	7.5	1005.3	919.6	12.6	5072.9
29/01/2020 21:11	5.4	7.4	1005.4	919.7	12.6	5072.4
29/01/2020 21:26	5.4	7.3	1005.6	919.6	12.6	5072.9
29/01/2020 21:41	5.4	7.2	1005.2	919.7	12.6	5072.4
29/01/2020 21:56	5.4	7.2	1005.5	919.7	12.6	5072.4
29/01/2020 22:11	5.4	7.1	1005.5	919.7	12.6	5072.4
29/01/2020 22:26	5.4	7.1	1005.5	919.7	12.6	5072.4
29/01/2020 22:41	5.4	7.1	1005.6	919.8	12.6	5072
29/01/2020 22:56	5.4	7.1	1005.4	919.8	12.6	5072
29/01/2020 23:11	5.4	7.1	1005.2	919.8	12.6	5072

29/01/2020 23:26	5.4	7.2	1005.2	919.8	12.6	5072
29/01/2020 23:41	5.4	7.3	1004.9	919.8	12.6	5072
29/01/2020 23:56	5.4	7.3	1005.2	919.8	12.6	5072
30/01/2020 00:11	5.4	7.3	1005.1	919.8	12.6	5072
30/01/2020 00:26	5.4	7.3	1005	919.8	12.6	5072
30/01/2020 00:41	5.4	7.2	1005.3	919.8	12.6	5071.5
30/01/2020 00:56	5.4	7.1	1004.7	919.8	12.6	5071.5
30/01/2020 01:11	5.4	6.9	1004.9	919.8	12.6	5072
30/01/2020 01:26	5.4	6.7	1004.7	919.8	12.6	5071.5
30/01/2020 01:41	5.4	6.5	1005	919.8	12.6	5071.5
30/01/2020 01:56	5.4	6.5	1004.8	919.8	12.6	5071.5
30/01/2020 02:11	5.4	6.3	1004.8	919.8	12.6	5071.5
30/01/2020 02:26	5.4	6.2	1004.9	919.8	12.6	5072
30/01/2020 02:41	5.4	6.1	1004.7	919.8	12.6	5072
30/01/2020 02:56	5.4	5.9	1004.8	919.8	12.6	5072
30/01/2020 03:11	5.4	5.8	1004.6	919.8	12.6	5072
30/01/2020 03:26	5.4	5.7	1004.3	919.8	12.6	5072
30/01/2020 03:41	5.4	5.7	1004.2	919.6	12.6	5072.9
30/01/2020 03:56	5.4	5.8	1004	919.6	12.6	5072.9
30/01/2020 04:11	5.4	5.9	1003.9	919.6	12.6	5072.9
30/01/2020 04:26	5.4	6	1003.7	919.7	12.6	5072.4
30/01/2020 04:41	5.4	6.1	1003.7	919.7	12.6	5072.4
30/01/2020 04:56	5.4	6.1	1003.2	919.6	12.6	5072.9
30/01/2020 05:11	5.4	6.1	1003.4	919.6	12.6	5072.9
30/01/2020 05:26	5.4	6.2	1003.5	919.6	12.6	5072.9
30/01/2020 05:41	5.4	6.3	1003.4	919.6	12.6	5072.9
30/01/2020 05:56	5.4	6.3	1003.2	919.7	12.6	5072.4
30/01/2020 06:11	5.4	6.4	1003.3	919.7	12.6	5072.4
30/01/2020 06:26	5.4	6.5	1003	919.8	12.6	5072
30/01/2020 06:41	5.4	6.7	1003.1	919.7	12.6	5072.4
30/01/2020 06:56	5.4	6.8	1003.1	919.7	12.6	5072.4
30/01/2020 07:11	5.4	6.9	1003	919.7	12.6	5072.4
30/01/2020 07:26	5.4	7	1003	919.7	12.6	5072.4
30/01/2020 07:41	5.4	7.3	1002.6	919.8	12.6	5072
30/01/2020 07:56	5.4	7.4	1002.6	919.6	12.6	5072.9
30/01/2020 08:11	5.4	7.6	1002.6	919.7	12.6	5072.4
30/01/2020 08:26	5.4	7.8	1002.3	919.8	12.6	5072
30/01/2020 08:41	5.4	8	1002.1	919.7	12.6	5072.4
30/01/2020 08:56	5.4	8.2	1001.9	919.8	12.6	5072
30/01/2020 09:11	5.4	8.3	1001.5	919.7	12.6	5072.4
30/01/2020 09:26	5.4	8.6	1001.4	919.6	12.6	5072.9
30/01/2020 09:41	5.4	8.9	1000.5	919.7	12.6	5072.4
30/01/2020 09:56	5.4	9.2	1000.5	919.6	12.6	5072.9
30/01/2020 10:11	5.4	9.7	1000.1	919.6	12.6	5072.9
30/01/2020 10:26	5.4	9.7	1000.2	919.6	12.6	5072.9
30/01/2020 10:41	5.4	9.5	999.9	919.7	12.6	5072.4
30/01/2020 10:56	5.4	9.4	999.7	919.6	12.6	5072.9
30/01/2020 11:11	5.4	9.3	1000.2	919.6	12.6	5072.9
30/01/2020 11:26	5.4	9.2	1000.2	919.7	12.6	5072.4
30/01/2020 11:41	5.4	9.1	999.6	919.6	12.6	5072.9

30/01/2020 11:56	5.4	8.9	999.3	919.6	12.6	5072.9
30/01/2020 12:11	5.4	8.7	998.8	919.6	12.6	5072.9
30/01/2020 12:26	5.4	8.6	998.6	919.6	12.6	5072.9
30/01/2020 12:41	5.4	8.6	998.6	919.6	12.6	5072.9
30/01/2020 12:56	5.4	8.6	997.5	919.6	12.6	5072.9
30/01/2020 13:11	5.4	8.6	996.9	919.6	12.6	5072.9
30/01/2020 13:26	5.4	8.7	996.8	919.6	12.6	5072.9
30/01/2020 13:41	5.4	8.8	996.3	919.6	12.6	5072.9
30/01/2020 13:56	5.4	9	996.1	919.6	12.6	5072.9
30/01/2020 14:11	5.4	9.1	995.9	919.6	12.6	5072.9
30/01/2020 14:26	5.4	9.2	995.4	919.6	12.6	5072.9
30/01/2020 14:41	5.4	9.3	995.5	919.6	12.6	5072.9
30/01/2020 14:56	5.4	9.2	995.1	919.6	12.6	5072.9
30/01/2020 15:11	5.4	9.1	995.3	919.6	12.6	5072.9
30/01/2020 15:26	5.4	9	994.7	919.6	12.6	5072.9
30/01/2020 15:41	5.4	8.9	994.7	919.6	12.6	5072.9
30/01/2020 15:56	5.4	8.9	994.5	919.7	12.6	5072.4
30/01/2020 16:11	5.4	9	994.5	919.6	12.6	5072.9
30/01/2020 16:26	5.4	9	994.3	919.8	12.6	5072
30/01/2020 16:41	5.4	9.1	994.5	919.8	12.6	5072
30/01/2020 16:56	5.4	9.4	994.6	919.8	12.6	5072
30/01/2020 17:11	5.4	9.6	994.4	919.6	12.6	5072.9
30/01/2020 17:26	5.4	9.9	994.3	919.7	12.6	5072.4
30/01/2020 17:41	5.4	10.2	994.3	919.6	12.6	5072.9
30/01/2020 17:56	5.4	10.5	994.5	919.8	12.6	5072
30/01/2020 18:11	5.4	10.8	994.5	919.7	12.6	5072.4
30/01/2020 18:26	5.4	11	994.4	919.7	12.6	5072.4
30/01/2020 18:41	5.4	11.3	995	919.5	12.6	5073.3
30/01/2020 18:56	5.4	11.5	994.8	919.7	12.6	5072.4
30/01/2020 19:11	5.4	11.7	994.7	919.7	12.6	5072.4
30/01/2020 19:26	5.4	11.8	994.7	919.6	12.6	5072.9
30/01/2020 19:41	5.4	11.7	995	919.6	12.6	5072.9
30/01/2020 19:56	5.4	11.6	995.7	919.6	12.6	5072.9
30/01/2020 20:11	5.4	11.6	996.1	919.7	12.6	5072.4
30/01/2020 20:26	5.4	11.8	996.2	919.7	12.6	5072.4
30/01/2020 20:41	5.4	11.9	996.5	919.6	12.6	5072.9
30/01/2020 20:56	5.4	11.9	996.5	919.8	12.6	5072
30/01/2020 21:11	5.4	11.9	996.9	919.8	12.6	5072
30/01/2020 21:26	5.4	11.9	997.2	919.7	12.6	5072.4
30/01/2020 21:41	5.4	11.9	997.9	919.7	12.6	5072.4
30/01/2020 21:56	5.4	11.8	997.3	919.7	12.6	5072.4
30/01/2020 22:11	5.4	11.7	997.6	919.6	12.6	5072.9
30/01/2020 22:26	5.4	11.7	998.1	919.6	12.6	5072.9
30/01/2020 22:41	5.4	11.5	998.4	919.6	12.6	5072.9
30/01/2020 22:56	5.4	11.3	998.1	919.6	12.6	5072.9
30/01/2020 23:11	5.4	11.1	998.5	919.6	12.6	5072.9
30/01/2020 23:26	5.4	10.9	999	919.6	12.6	5072.9
30/01/2020 23:41	5.4	10.7	999.1	919.6	12.6	5072.9
30/01/2020 23:56	5.4	10.5	999	919.6	12.6	5072.9
31/01/2020 00:11	5.4	10.4	999.2	919.7	12.6	5072.4

31/01/2020 00:26	5.4	10.1	999.7	919.7	12.6	5072.4
31/01/2020 00:41	5.4	9.9	1000.5	919.7	12.6	5072.4
31/01/2020 00:56	5.4	9.7	1000.4	919.8	12.6	5072
31/01/2020 01:11	5.4	9.5	1000.6	919.8	12.6	5072
31/01/2020 01:26	5.4	9.4	1000.7	919.8	12.6	5072
31/01/2020 01:41	5.4	9.4	1000.7	919.8	12.6	5072
31/01/2020 01:56	5.4	9.4	1001	919.8	12.6	5072
31/01/2020 02:11	5.4	9.4	1001.2	919.8	12.6	5072
31/01/2020 02:26	5.4	9.3	1001	919.8	12.6	5071.5
31/01/2020 02:41	5.4	9.3	1000.8	919.8	12.6	5072
31/01/2020 02:56	5.4	9.1	1000.7	919.8	12.6	5072
31/01/2020 03:11	5.4	9	1001.1	919.7	12.6	5072.4
31/01/2020 03:26	5.4	8.9	1000.9	919.8	12.6	5072
31/01/2020 03:41	5.4	8.8	1000.8	919.8	12.6	5072
31/01/2020 03:56	5.4	8.7	1001	919.7	12.6	5072.4
31/01/2020 04:11	5.4	8.6	1001.4	919.7	12.6	5072.4
31/01/2020 04:26	5.4	8.6	1001.3	919.6	12.6	5072.9
31/01/2020 04:41	5.4	8.5	1001.5	919.6	12.6	5072.9
31/01/2020 04:56	5.4	8.4	1001.6	919.6	12.6	5072.9
31/01/2020 05:11	5.4	8.4	1001.8	919.6	12.6	5072.9
31/01/2020 05:26	5.4	8.4	1001.8	919.6	12.6	5072.9
31/01/2020 05:41	5.4	8.5	1001.6	919.6	12.6	5072.9
31/01/2020 05:56	5.4	8.6	1001.5	919.6	12.6	5072.9
31/01/2020 06:11	5.4	8.5	1001.3	919.6	12.6	5072.9
31/01/2020 06:26	5.4	8.5	1001.3	919.6	12.6	5072.9
31/01/2020 06:41	5.4	8.5	1001.5	919.6	12.6	5072.9
31/01/2020 06:56	5.4	8.4	1001.7	919.6	12.6	5072.9
31/01/2020 07:11	5.4	8.4	1002	919.6	12.6	5072.9
31/01/2020 07:26	5.4	8.4	1001.8	919.6	12.6	5072.9
31/01/2020 07:41	5.4	8.4	1001.9	919.7	12.6	5072.4
31/01/2020 07:56	5.4	8.5	1002	919.6	12.6	5072.9
31/01/2020 08:11	5.4	8.8	1002	919.7	12.6	5072.4
31/01/2020 08:26	5.4	9.1	1002.2	919.7	12.6	5072.4
31/01/2020 08:41	5.4	9.5	1002.1	919.6	12.6	5072.9
31/01/2020 08:56	5.4	10.1	1002	919.5	12.6	5073.3
31/01/2020 09:11	5.4	10.5	1001.8	919.7	12.6	5072.4
31/01/2020 09:26	5.4	10.9	1002.1	919.6	12.6	5072.9
31/01/2020 09:41	5.4	11.1	1002.2	919.6	12.6	5072.9
31/01/2020 09:56	5.4	11.3	1002.1	919.6	12.6	5072.9
31/01/2020 10:11	5.4	11.6	1002.1	919.6	12.6	5072.9
31/01/2020 10:26	5.4	11.9	1002	919.6	12.6	5072.9
31/01/2020 10:41	5.4	12.4	1002.2	919.7	12.6	5072.4
31/01/2020 10:56	5.4	12.8	1002.1	919.6	12.6	5072.9
31/01/2020 11:11	5.4	12.9	1002.1	919.6	12.6	5072.9
31/01/2020 11:26	5.4	13.1	1002.1	919.7	12.6	5072.4
31/01/2020 11:41	5.4	13	1002	919.7	12.6	5072.4
31/01/2020 11:56	5.4	12.9	1001.9	919.6	12.6	5072.9
31/01/2020 12:11	5.4	12.8	1002	919.7	12.6	5072.4
31/01/2020 12:26	5.4	12.8	1001.3	919.7	12.6	5072.4
31/01/2020 12:41	5.4	12.9	1001.2	919.7	12.6	5072.4

31/01/2020 12:56	5.4	12.9	1001	919.7	12.6	5072.4
31/01/2020 13:11	5.4	12.8	1000.2	919.8	12.6	5072
31/01/2020 13:26	5.4	12.6	1000.3	919.7	12.6	5072.4
31/01/2020 13:41	5.4	12.3	1000.3	919.7	12.6	5072.4
31/01/2020 13:56	5.4	12.1	1000.4	919.8	12.6	5072
31/01/2020 14:11	5.4	12	1000.5	919.6	12.6	5072.9
31/01/2020 14:26	5.4	12.1	1000.2	919.8	12.6	5072
31/01/2020 14:41	5.4	12.2	1000.3	919.8	12.6	5072
31/01/2020 14:56	5.4	12.3	1000.5	919.8	12.6	5072
31/01/2020 15:11	5.4	12.2	1000.3	919.7	12.6	5072.4
31/01/2020 15:26	5.4	12.1	1000.5	919.6	12.6	5072.9
31/01/2020 15:41	5.4	12	1000.3	919.6	12.6	5072.9
31/01/2020 15:56	5.4	11.8	1000.8	919.6	12.6	5072.9
31/01/2020 16:11	5.4	11.7	1000.7	919.6	12.6	5072.9
31/01/2020 16:26	5.4	11.6	1000.4	919.7	12.6	5072.4
31/01/2020 16:41	5.4	11.6	1000.1	919.6	12.6	5072.9
31/01/2020 16:56	5.4	11.5	1000.3	919.6	12.6	5072.9
31/01/2020 17:11	5.4	11.5	1000.3	919.6	12.6	5072.9
31/01/2020 17:26	5.4	11.4	999.9	919.7	12.6	5072.4
31/01/2020 17:41	5.4	11.3	999.5	919.7	12.6	5072.4
31/01/2020 17:56	5.4	11	999.7	919.7	12.6	5072.4
31/01/2020 18:11	5.4	10.7	999.8	919.7	12.6	5072.4
31/01/2020 18:26	5.4	10.6	999.5	919.7	12.6	5072.4
31/01/2020 18:41	5.4	10.4	999.4	919.8	12.6	5072
31/01/2020 18:56	5.4	10.3	999.5	919.7	12.6	5072.4
31/01/2020 19:11	5.4	10.2	999.2	919.6	12.6	5072.9
31/01/2020 19:26	5.4	10.2	999.3	919.8	12.6	5072
31/01/2020 19:41	5.4	10.2	999.2	919.7	12.6	5072.4
31/01/2020 19:56	5.4	10.4	999.2	919.8	12.6	5072
31/01/2020 20:11	5.4	10.7	999	919.7	12.6	5072.4
31/01/2020 20:26	5.4	10.9	998.9	919.7	12.6	5072.4
31/01/2020 20:41	5.4	10.9	999	919.8	12.6	5072
31/01/2020 20:56	5.4	11	998.7	919.8	12.6	5072
31/01/2020 21:11	5.4	11	998.6	919.7	12.6	5072.4
31/01/2020 21:26	5.4	11.1	998.6	919.7	12.6	5072.4
31/01/2020 21:41	5.4	11.1	998.5	919.6	12.6	5072.9
31/01/2020 21:56	5.4	11.1	998.1	919.6	12.6	5072.9
31/01/2020 22:11	5.4	11.2	997.8	919.6	12.6	5072.9
31/01/2020 22:26	5.4	11.2	997.7	919.6	12.6	5072.9
31/01/2020 22:41	5.4	11.3	997.8	919.6	12.6	5072.9
31/01/2020 22:56	5.4	11.4	997.4	919.7	12.6	5072.4
31/01/2020 23:11	5.4	11.4	997.1	919.6	12.6	5072.9
31/01/2020 23:26	5.4	11.4	997	919.6	12.6	5072.9
31/01/2020 23:41	5.4	11.3	997.2	919.6	12.6	5072.9
31/01/2020 23:56	5.4	11.1	997.4	919.6	12.6	5072.9
01/02/2020 00:11	5.4	10.9	997.2	919.6	12.6	5072.9
01/02/2020 00:26	5.4	10.9	997.1	919.6	12.6	5072.9
01/02/2020 00:41	5.4	11	997	919.6	12.6	5072.9
01/02/2020 00:56	5.4	11	997.5	919.7	12.6	5072.4
01/02/2020 01:11	5.4	11.1	997.2	919.6	12.6	5072.9

01/02/2020 01:26	5.4	11.2	996.9	919.6	12.6	5072.9
01/02/2020 01:41	5.4	11.2	997.1	919.6	12.6	5072.9
01/02/2020 01:56	5.4	11.1	997.1	919.6	12.6	5072.9
01/02/2020 02:11	5.4	11.1	997	919.6	12.6	5072.9
01/02/2020 02:26	5.4	11.1	996.6	919.6	12.6	5072.9
01/02/2020 02:41	5.4	11.2	996.4	919.6	12.6	5072.9
01/02/2020 02:56	5.4	11.2	996.4	919.6	12.6	5072.9
01/02/2020 03:11	5.4	11.2	995.9	919.6	12.6	5072.9
01/02/2020 03:26	5.4	11.1	995.8	919.6	12.6	5072.9
01/02/2020 03:41	5.4	11	995.8	919.6	12.6	5072.9
01/02/2020 03:56	5.4	10.9	996	919.6	12.6	5072.9
01/02/2020 04:11	5.4	10.9	996	919.6	12.6	5072.9
01/02/2020 04:26	5.4	10.8	996	919.6	12.6	5072.9
01/02/2020 04:41	5.4	10.8	996.4	919.7	12.6	5072.4
01/02/2020 04:56	5.4	10.7	996.1	919.6	12.6	5072.9
01/02/2020 05:11	5.4	10.6	996.4	919.7	12.6	5072.4
01/02/2020 05:26	5.4	10.5	995.8	919.8	12.6	5072
01/02/2020 05:41	5.4	10.5	995.8	919.8	12.6	5072
01/02/2020 05:56	5.4	10.4	995.3	919.7	12.6	5072.4
01/02/2020 06:11	5.4	10.3	995.3	919.6	12.6	5072.9
01/02/2020 06:26	5.4	10.3	995.2	919.7	12.6	5072.4
01/02/2020 06:41	5.4	10.2	995.2	919.6	12.6	5072.9
01/02/2020 06:56	5.4	10.2	995.4	919.6	12.6	5072.9
01/02/2020 07:11	5.4	10.2	995.6	919.6	12.6	5072.9
01/02/2020 07:26	5.4	10.2	995.5	919.6	12.6	5072.9
01/02/2020 07:41	5.4	10.3	995.9	919.7	12.6	5072.4
01/02/2020 07:56	5.4	10.4	995.8	919.7	12.6	5072.4
01/02/2020 08:11	5.4	10.4	995.9	919.5	12.6	5073.3
01/02/2020 08:26	5.4	10.4	996	919.6	12.6	5072.9
01/02/2020 08:41	5.4	10.5	995.8	919.6	12.6	5072.9
01/02/2020 08:56	5.4	10.7	996.2	919.7	12.6	5072.4
01/02/2020 09:11	5.4	10.9	996.4	919.7	12.6	5072.4
01/02/2020 09:26	5.4	11.1	996.5	919.6	12.6	5072.9
01/02/2020 09:41	5.4	11.3	996.7	919.6	12.6	5072.9
01/02/2020 09:56	5.4	11.4	997	919.7	12.6	5072.4
01/02/2020 10:11	5.4	12.2	997.1	919.8	12.6	5072
01/02/2020 10:26	5.4	12.4	997.3	919.8	12.6	5072
01/02/2020 10:41	5.4	12.7	997.4	919.8	12.6	5072
01/02/2020 10:56	5.4	12.9	997.3	919.6	12.6	5072.9
01/02/2020 11:11	5.4	13.3	997.4	919.7	12.6	5072.4
01/02/2020 11:26	5.4	13.7	997.7	919.6	12.6	5072.9
01/02/2020 11:41	5.4	14.4	997.4	919.7	12.6	5072.4
01/02/2020 11:56	5.4	15.3	997.2	919.7	12.6	5072.4
01/02/2020 12:11	5.4	15.5	997.5	919.6	12.6	5072.9
01/02/2020 12:26	5.3	15.8	997.8	919.6	12.6	5072.9
01/02/2020 12:41	5.4	15.7	998	919.6	12.6	5072.9
01/02/2020 12:56	5.4	15.4	997.5	919.6	12.6	5072.9
01/02/2020 13:11	5.4	15.8	997.3	919.6	12.6	5072.9
01/02/2020 13:26	5.3	16.5	997.6	919.6	12.6	5072.9
01/02/2020 13:41	5.4	16	997.6	919.6	12.6	5072.9

01/02/2020 13:56	5.4	15.7	998	919.6	12.6	5072.9
01/02/2020 14:11	5.4	14.8	998.3	919.6	12.6	5072.9
01/02/2020 14:26	5.4	14.6	998.4	919.6	12.6	5072.9
01/02/2020 14:41	5.4	14.1	998.5	919.6	12.6	5072.9
01/02/2020 14:56	5.4	13.9	998.4	919.7	12.6	5072.4
01/02/2020 15:11	5.4	13.8	998.6	919.6	12.6	5072.9
01/02/2020 15:26	5.4	13.6	998.8	919.7	12.6	5072.4
01/02/2020 15:41	5.4	13.3	998.9	919.7	12.6	5072.4
01/02/2020 15:56	5.4	12.5	998.9	919.6	12.6	5072.9
01/02/2020 16:11	5.4	11.6	999.3	919.6	12.6	5072.9
01/02/2020 16:26	5.4	10.9	999.5	919.6	12.6	5072.9
01/02/2020 16:41	5.4	10.4	999.9	919.6	12.6	5072.9
01/02/2020 16:56	5.4	9.9	999.9	919.6	12.6	5072.9
01/02/2020 17:11	5.4	9.6	1000.2	919.6	12.6	5072.9
01/02/2020 17:26	5.4	9.4	1000.3	919.6	12.6	5072.9
01/02/2020 17:41	5.4	9.3	1000.5	919.6	12.6	5072.9
01/02/2020 17:56	5.4	9.2	1001.2	919.6	12.6	5072.9
01/02/2020 18:11	5.4	9	1000.7	919.6	12.6	5072.9
01/02/2020 18:26	5.4	9.1	1001.1	919.6	12.6	5072.9
01/02/2020 18:41	5.4	9.2	1001	919.6	12.6	5072.9
01/02/2020 18:56	5.4	9.3	1001.5	919.6	12.6	5072.9
01/02/2020 19:11	5.4	9.3	1001.7	919.6	12.6	5072.9
01/02/2020 19:26	5.4	9.2	1002.1	919.6	12.6	5072.9
01/02/2020 19:41	5.4	9.2	1002.2	919.6	12.6	5072.9
01/02/2020 19:56	5.4	9.2	1002.2	919.6	12.6	5072.9
01/02/2020 20:11	5.4	9.1	1002.5	919.7	12.6	5072.4
01/02/2020 20:26	5.4	9	1002.7	919.6	12.6	5072.9
01/02/2020 20:41	5.4	9	1003.2	919.6	12.6	5072.9
01/02/2020 20:56	5.4	9	1003.3	919.6	12.6	5072.9
01/02/2020 21:11	5.4	8.9	1003.7	919.6	12.6	5072.9
01/02/2020 21:26	5.4	8.6	1003.9	919.6	12.6	5072.9
01/02/2020 21:41	5.4	8.3	1004.1	919.6	12.6	5072.9
01/02/2020 21:56	5.4	8.1	1004.4	919.6	12.6	5072.9
01/02/2020 22:11	5.4	7.9	1004.2	919.6	12.6	5072.9
01/02/2020 22:26	5.4	7.8	1004.2	919.6	12.6	5072.9
01/02/2020 22:41	5.4	7.8	1004.3	919.6	12.6	5072.9
01/02/2020 22:56	5.4	7.7	1005	919.8	12.6	5072
01/02/2020 23:11	5.4	7.7	1004.8	919.8	12.6	5072
01/02/2020 23:26	5.4	7.7	1005	919.7	12.6	5072.4
01/02/2020 23:41	5.4	7.6	1005.4	919.8	12.6	5072
01/02/2020 23:56	5.4	7.5	1005.3	919.8	12.6	5071.5
02/02/2020 00:11	5.4	7.5	1005.3	919.8	12.6	5071.5
02/02/2020 00:26	5.4	7.4	1005.5	919.8	12.6	5071.5
02/02/2020 00:41	5.4	7.4	1005.6	919.9	12.6	5071.1
02/02/2020 00:56	5.4	7.4	1005.3	919.9	12.6	5071.1
02/02/2020 01:11	5.4	7.3	1005.5	919.9	12.6	5071.1
02/02/2020 01:26	5.4	7.3	1005.2	919.9	12.6	5071.1
02/02/2020 01:41	5.4	7.3	1005.2	919.9	12.6	5071.1
02/02/2020 01:56	5.4	7.3	1005.3	920.1	12.6	5070.2
02/02/2020 02:11	5.4	7.3	1005.1	920	12.6	5070.6

02/02/2020 02:26	5.4	7.2	1005.3	920	12.6	5070.6
02/02/2020 02:41	5.4	7.2	1005.2	920	12.6	5070.6
02/02/2020 02:56	5.4	7.2	1004.9	919.9	12.6	5071.1
02/02/2020 03:11	5.4	7.2	1004.4	919.9	12.6	5071.1
02/02/2020 03:26	5.4	7.2	1004.4	919.8	12.6	5071.5
02/02/2020 03:41	5.4	7.2	1004	919.9	12.6	5071.1
02/02/2020 03:56	5.4	7.1	1003.8	919.8	12.6	5071.5
02/02/2020 04:11	5.4	7	1003.3	919.8	12.6	5071.5
02/02/2020 04:26	5.4	6.9	1003.3	919.8	12.6	5072
02/02/2020 04:41	5.4	6.7	1003	919.8	12.6	5072
02/02/2020 04:56	5.4	6.6	1003	919.8	12.6	5072
02/02/2020 05:11	5.4	6.5	1001.9	919.7	12.6	5072.4
02/02/2020 05:26	5.4	6.5	1001.4	919.6	12.6	5072.9
02/02/2020 05:41	5.4	6.6	1000.7	919.7	12.6	5072.4
02/02/2020 05:56	5.4	6.7	1000.7	919.6	12.6	5072.9
02/02/2020 06:11	5.4	6.8	1000.8	919.6	12.6	5072.9
02/02/2020 06:26	5.4	6.9	1000.3	919.6	12.6	5072.9
02/02/2020 06:41	5.4	7	1000.4	919.6	12.6	5072.9
02/02/2020 06:56	5.4	6.9	1000.6	919.6	12.6	5072.9
02/02/2020 07:11	5.4	6.8	999.9	919.7	12.6	5072.4
02/02/2020 07:26	5.4	6.8	999.8	919.6	12.6	5072.9
02/02/2020 07:41	5.4	6.8	999.3	919.7	12.6	5072.4
02/02/2020 07:56	5.4	6.9	999.5	919.7	12.6	5072.4
02/02/2020 08:11	5.4	6.9	999.3	919.6	12.6	5072.9
02/02/2020 08:26	5.4	7	999	919.7	12.6	5072.4
02/02/2020 08:41	5.4	7.1	999	919.8	12.6	5072
02/02/2020 08:56	5.4	7.3	998.3	919.7	12.6	5072.4
02/02/2020 09:11	5.4	7.7	998.3	919.6	12.6	5072.9
02/02/2020 09:26	5.4	8	998.4	919.7	12.6	5072.4
02/02/2020 09:41	5.4	8.2	998.4	919.8	12.6	5072
02/02/2020 09:56	5.4	8.4	998.7	919.7	12.6	5072.4
02/02/2020 10:11	5.4	8.8	999	919.7	12.6	5072.4
02/02/2020 10:26	5.4	9.1	999	919.8	12.6	5072
02/02/2020 10:41	5.4	9.6	999.3	919.7	12.6	5072.4
02/02/2020 10:56	5.4	10.3	999.5	919.7	12.6	5072.4
02/02/2020 11:11	5.4	10.6	999.5	919.6	12.6	5072.9
02/02/2020 11:26	5.4	10.6	1000	919.6	12.6	5072.9
02/02/2020 11:41	5.4	10.6	1000	919.8	12.6	5072
02/02/2020 11:56	5.4	10.8	1000	919.8	12.6	5072
02/02/2020 12:11	5.4	11.3	1000.2	919.6	12.6	5072.9
02/02/2020 12:26	5.4	11.8	1000	919.6	12.6	5072.9
02/02/2020 12:41	5.4	12.3	1000.3	919.6	12.6	5072.9
02/02/2020 12:56	5.4	12.8	1000.2	919.6	12.6	5072.9
02/02/2020 13:11	5.4	13.3	1000.6	919.6	12.6	5072.9
02/02/2020 13:26	5.4	13.6	1001.1	919.7	12.6	5072.4
02/02/2020 13:41	5.4	13.7	1001.2	919.6	12.6	5072.9
02/02/2020 13:56	5.4	13.8	1001.6	919.6	12.6	5072.9
02/02/2020 14:11	5.4	13.7	1001.6	919.6	12.6	5072.9
02/02/2020 14:26	5.4	13.5	1001.7	919.6	12.6	5072.9
02/02/2020 14:41	5.4	13.5	1002.2	919.6	12.6	5072.9

02/02/2020 14:56	5.4	13.3	1002.2	919.7	12.6	5072.4
02/02/2020 15:11	5.4	13.2	1002.4	919.6	12.6	5072.9
02/02/2020 15:26	5.4	13.1	1002.5	919.6	12.6	5072.9
02/02/2020 15:41	5.4	12.7	1002.5	919.8	12.6	5072
02/02/2020 15:56	5.4	12.4	1002.5	919.7	12.6	5072.4
02/02/2020 16:11	5.4	12.1	1002.6	919.8	12.6	5072
02/02/2020 16:26	5.4	11.9	1002.8	919.8	12.6	5072
02/02/2020 16:41	5.4	11.7	1002.9	919.8	12.6	5072
02/02/2020 16:56	5.4	11.5	1002.9	919.7	12.6	5072.4
02/02/2020 17:11	5.4	11.4	1003.4	919.7	12.6	5072.4
02/02/2020 17:26	5.4	11.3	1003.7	919.7	12.6	5072.4
02/02/2020 17:41	5.4	11.3	1003.6	919.6	12.6	5072.9
02/02/2020 17:56	5.4	11.2	1003.5	919.6	12.6	5072.9
02/02/2020 18:11	5.4	11.3	1003.5	919.5	12.6	5073.3
02/02/2020 18:26	5.4	11.3	1003.9	919.6	12.6	5072.9
02/02/2020 18:41	5.4	11.2	1004	919.6	12.6	5072.9
02/02/2020 18:56	5.4	11.1	1004.1	919.6	12.6	5072.9
02/02/2020 19:11	5.4	11	1003.8	919.6	12.6	5072.9
02/02/2020 19:26	5.4	11	1003.6	919.6	12.6	5072.9
02/02/2020 19:41	5.4	10.9	1003.7	919.6	12.6	5072.9
02/02/2020 19:56	5.4	10.9	1004	919.7	12.6	5072.4
02/02/2020 20:11	5.4	10.7	1003.7	919.6	12.6	5072.9
02/02/2020 20:26	5.4	10.5	1003.6	919.8	12.6	5072
02/02/2020 20:41	5.4	10.4	1003.5	919.6	12.6	5072.9
02/02/2020 20:56	5.4	10.2	1003.4	919.7	12.6	5072.4
02/02/2020 21:11	5.4	10.2	1003.2	919.7	12.6	5072.4
02/02/2020 21:26	5.4	10.1	1003.2	919.7	12.6	5072.4
02/02/2020 21:41	5.4	10.1	1003.4	919.6	12.6	5072.9
02/02/2020 21:56	5.4	10.1	1003.3	919.7	12.6	5072.4
02/02/2020 22:11	5.4	10.1	1003.5	919.6	12.6	5072.9
02/02/2020 22:26	5.4	10.1	1004	919.6	12.6	5072.9
02/02/2020 22:41	5.4	10.1	1003.8	919.6	12.6	5072.9
02/02/2020 22:56	5.4	10.1	1004	919.7	12.6	5072.4
02/02/2020 23:11	5.4	10.1	1003.7	919.7	12.6	5072.4
02/02/2020 23:26	5.4	10	1003.6	919.6	12.6	5072.9
02/02/2020 23:41	5.4	9.9	1003.8	919.6	12.6	5072.9
02/02/2020 23:56	5.4	9.9	1003.8	919.6	12.6	5072.9
03/02/2020 00:11	5.4	9.9	1003.7	919.6	12.6	5072.9
03/02/2020 00:26	5.4	9.9	1004.1	919.6	12.6	5072.9
03/02/2020 00:41	5.4	9.9	1003.9	919.7	12.6	5072.4
03/02/2020 00:56	5.4	9.9	1003.9	919.6	12.6	5072.9
03/02/2020 01:11	5.4	9.9	1003.9	919.6	12.6	5072.9
03/02/2020 01:26	5.4	9.9	1004.3	919.6	12.6	5072.9
03/02/2020 01:41	5.4	9.8	1004.2	919.6	12.6	5072.9
03/02/2020 01:56	5.4	9.8	1004.4	919.6	12.6	5072.9
03/02/2020 02:11	5.4	9.7	1004.1	919.7	12.6	5072.4
03/02/2020 02:26	5.4	9.7	1004.5	919.8	12.6	5072
03/02/2020 02:41	5.4	9.6	1004.6	919.6	12.6	5072.9
03/02/2020 02:56	5.4	9.6	1004.3	919.7	12.6	5072.4
03/02/2020 03:11	5.4	9.5	1004.5	919.8	12.6	5072

03/02/2020 03:26	5.4	9.4	1004.6	919.7	12.6	5072.4
03/02/2020 03:41	5.4	9.4	1004.8	919.7	12.6	5072.4
03/02/2020 03:56	5.4	9.3	1005	919.8	12.6	5072
03/02/2020 04:11	5.4	9.3	1005	919.8	12.6	5072
03/02/2020 04:26	5.4	9.2	1005.3	919.8	12.6	5072
03/02/2020 04:41	5.4	9.2	1005.3	919.8	12.6	5072
03/02/2020 04:56	5.4	9.1	1005.5	919.8	12.6	5072
03/02/2020 05:11	5.4	9.1	1005.5	919.8	12.6	5072
03/02/2020 05:26	5.4	9.1	1005.8	919.8	12.6	5072
03/02/2020 05:41	5.4	9	1005.7	919.6	12.6	5072.9
03/02/2020 05:56	5.4	8.9	1006	919.7	12.6	5072.4
03/02/2020 06:11	5.4	8.8	1005.9	919.6	12.6	5072.9
03/02/2020 06:26	5.4	8.7	1005.9	919.6	12.6	5072.9
03/02/2020 06:41	5.4	8.7	1006.5	919.6	12.6	5072.9
03/02/2020 06:56	5.4	8.6	1006.6	919.7	12.6	5072.4
03/02/2020 07:11	5.4	8.6	1007.1	919.6	12.6	5072.9
03/02/2020 07:26	5.4	8.7	1007	919.6	12.6	5072.9
03/02/2020 07:41	5.4	8.6	1007.3	919.6	12.6	5072.9
03/02/2020 07:56	5.4	8.6	1008	919.6	12.6	5072.9
03/02/2020 08:11	5.4	8.9	1008.1	919.6	12.6	5072.9
03/02/2020 08:26	5.4	9.5	1008.1	919.6	12.6	5072.9
03/02/2020 08:41	5.4	9.5	1008.1	919.6	12.6	5072.9
03/02/2020 08:56	5.4	9.6	1008.6	919.7	12.6	5072.4
03/02/2020 09:11	5.4	9.8	1008.9	919.6	12.6	5072.9
03/02/2020 09:26	5.4	10.3	1008.6	919.6	12.6	5072.9
03/02/2020 09:41	5.4	10.9	1008.8	919.7	12.6	5072.4
03/02/2020 09:56	5.4	11.9	1008.8	919.6	12.6	5072.9
03/02/2020 10:11	5.4	12.6	1009.2	919.6	12.6	5072.9
03/02/2020 10:26	5.4	13.3	1008.9	919.7	12.6	5072.4
03/02/2020 10:41	5.4	13.4	1009.1	919.6	12.6	5072.9
03/02/2020 10:56	5.4	13.3	1009.2	919.6	12.6	5072.9
03/02/2020 11:11	5.4	13.1	1009.2	919.7	12.6	5072.4
03/02/2020 11:26	5.4	13.2	1009	919.6	12.6	5072.9
03/02/2020 11:41	5.4	13.5	1008.9	919.6	12.6	5072.9
03/02/2020 11:56	5.4	14.8	1008.5	919.6	12.6	5072.9
03/02/2020 12:11	5.3	15.9	1008.3	919.6	12.6	5072.9
03/02/2020 12:26	5.4	16	1008.2	919.6	12.6	5072.9
03/02/2020 12:41	5.4	15	1008.3	919.6	12.6	5072.9
03/02/2020 12:56	5.4	14.1	1008.2	919.7	12.6	5072.4
03/02/2020 13:11	5.4	13.4	1007.8	919.6	12.6	5072.9
03/02/2020 13:26	5.4	13	1007.9	919.6	12.6	5072.9
03/02/2020 13:41	5.4	12.8	1008	919.7	12.6	5072.4
03/02/2020 13:56	5.4	12.5	1007.5	919.6	12.6	5072.9
03/02/2020 14:11	5.4	12.2	1007.4	919.7	12.6	5072.4
03/02/2020 14:26	5.4	11.7	1007.1	919.8	12.6	5072
03/02/2020 14:41	5.4	11.2	1007.3	919.6	12.6	5072.9
03/02/2020 14:56	5.4	11	1007.3	919.7	12.6	5072.4
03/02/2020 15:11	5.4	10.9	1006.6	919.8	12.6	5072
03/02/2020 15:26	5.4	10.8	1007.1	919.8	12.6	5072
03/02/2020 15:41	5.4	10.7	1007	919.8	12.6	5072

03/02/2020 15:56	5.4	10.5	1006.6	919.8	12.6	5071.5
03/02/2020 16:11	5.4	10.3	1006.4	919.8	12.6	5071.5
03/02/2020 16:26	5.4	10.1	1006.5	919.8	12.6	5072
03/02/2020 16:41	5.4	9.9	1006.7	919.8	12.6	5071.5
03/02/2020 16:56	5.4	9.6	1006.9	919.8	12.6	5072
03/02/2020 17:11	5.4	9.4	1006.6	919.8	12.6	5071.5
03/02/2020 17:26	5.4	9.3	1006.2	919.8	12.6	5071.5
03/02/2020 17:41	5.4	9	1006.1	919.8	12.6	5072
03/02/2020 17:56	5.4	8.8	1006.3	919.8	12.6	5072
03/02/2020 18:11	5.4	8.6	1006.3	919.8	12.6	5072
03/02/2020 18:26	5.4	8.4	1005.9	919.8	12.6	5072
03/02/2020 18:41	5.4	8.3	1005.5	919.7	12.6	5072.4
03/02/2020 18:56	5.4	8.1	1005.8	919.7	12.6	5072.4
03/02/2020 19:11	5.4	8.1	1006.1	919.7	12.6	5072.4
03/02/2020 19:26	5.4	7.9	1005.9	919.8	12.6	5072
03/02/2020 19:41	5.4	7.8	1005.7	919.6	12.6	5072.9
03/02/2020 19:56	5.4	7.7	1005.8	919.7	12.6	5072.4
03/02/2020 20:11	5.4	7.5	1005.9	919.6	12.6	5072.9
03/02/2020 20:26	5.4	7.3	1006.2	919.6	12.6	5072.9
03/02/2020 20:41	5.4	6.9	1006.2	919.6	12.6	5072.9
03/02/2020 20:56	5.4	6.6	1006.4	919.6	12.6	5072.9
03/02/2020 21:11	5.4	6.4	1006.4	919.6	12.6	5072.9
03/02/2020 21:26	5.4	6.2	1006.4	919.6	12.6	5072.9
03/02/2020 21:41	5.4	6	1006.5	919.6	12.6	5072.9
03/02/2020 21:56	5.4	5.8	1006.8	919.6	12.6	5072.9
03/02/2020 22:11	5.4	5.6	1006.6	919.6	12.6	5072.9
03/02/2020 22:26	5.4	5.4	1006.6	919.6	12.6	5072.9
03/02/2020 22:41	5.4	5.2	1006.8	919.7	12.6	5072.4
03/02/2020 22:56	5.4	5.2	1007.1	919.6	12.6	5072.9
03/02/2020 23:11	5.4	5.1	1006.7	919.6	12.6	5072.9
03/02/2020 23:26	5.4	5.1	1007.1	919.6	12.6	5072.9
03/02/2020 23:41	5.4	5	1007	919.7	12.6	5072.4
03/02/2020 23:56	5.4	4.8	1007	919.6	12.6	5072.9
04/02/2020 00:11	5.4	4.7	1007.2	919.6	12.6	5072.9
04/02/2020 00:26	5.4	4.6	1007.3	919.7	12.6	5072.4
04/02/2020 00:41	5.4	4.6	1007.5	919.8	12.6	5072
04/02/2020 00:56	5.4	4.5	1007.2	919.8	12.6	5072
04/02/2020 01:11	5.4	4.5	1007.1	919.8	12.6	5072
04/02/2020 01:26	5.4	4.5	1007	919.8	12.6	5072
04/02/2020 01:41	5.4	4.3	1007.3	919.8	12.6	5071.5
04/02/2020 01:56	5.4	4.3	1007	919.9	12.6	5071.1
04/02/2020 02:11	5.4	4.3	1007.6	919.9	12.6	5071.1
04/02/2020 02:26	5.4	4.2	1007.5	919.8	12.6	5071.5
04/02/2020 02:41	5.4	4.2	1007.5	919.9	12.6	5071.1
04/02/2020 02:56	5.4	4.2	1007.5	919.9	12.6	5071.1
04/02/2020 03:11	5.4	4.1	1007.6	919.9	12.6	5071.1
04/02/2020 03:26	5.4	4.2	1007.6	919.9	12.6	5071.1
04/02/2020 03:41	5.4	4.2	1007.4	920	12.6	5070.6
04/02/2020 03:56	5.4	4.3	1007.6	919.9	12.6	5071.1
04/02/2020 04:11	5.4	4.4	1008	920	12.6	5070.6

04/02/2020 04:26	5.4	4.5	1008.2	920.1	12.6	5070.2
04/02/2020 04:41	5.4	4.8	1008	920.1	12.6	5070.2
04/02/2020 04:56	5.4	4.8	1007.9	920.1	12.6	5070.2
04/02/2020 05:11	5.4	4.9	1008.4	920.1	12.6	5070.2
04/02/2020 05:26	5.4	4.8	1008.5	920.1	12.6	5070.2
04/02/2020 05:41	5.4	4.8	1008.6	920.1	12.6	5070.2
04/02/2020 05:56	5.4	4.6	1009	920.1	12.6	5070.2
04/02/2020 06:11	5.4	4.6	1009	920.1	12.6	5070.2
04/02/2020 06:26	5.4	4.6	1009.2	920.1	12.6	5070.2
04/02/2020 06:41	5.4	4.5	1009.4	920	12.6	5070.6
04/02/2020 06:56	5.4	4.4	1009.5	920	12.6	5070.6
04/02/2020 07:11	5.4	4.3	1009.6	920.1	12.6	5070.2
04/02/2020 07:26	5.4	4.3	1009.8	920	12.6	5070.6
04/02/2020 07:41	5.4	4.5	1009.7	919.9	12.6	5071.1
04/02/2020 07:56	5.4	4.7	1010.2	919.9	12.6	5071.1
04/02/2020 08:11	5.4	5.1	1009.9	919.9	12.6	5071.1
04/02/2020 08:26	5.4	5.8	1010.5	919.9	12.6	5071.1
04/02/2020 08:41	5.4	6.5	1010.4	919.8	12.6	5071.5
04/02/2020 08:56	5.4	6.5	1010.6	919.8	12.6	5071.5
04/02/2020 09:11	5.4	6.6	1010.8	919.8	12.6	5071.5
04/02/2020 09:26	5.4	6.9	1010.8	919.8	12.6	5072
04/02/2020 09:41	5.4	7.9	1011.1	919.8	12.6	5072
04/02/2020 09:56	5.4	8.4	1011.7	919.8	12.6	5072
04/02/2020 10:11	5.4	8.3	1011.9	919.8	12.6	5071.5
04/02/2020 10:26	5.4	8.9	1012.2	919.8	12.6	5072
04/02/2020 10:41	5.4	8.5	1012.9	919.8	12.6	5072
04/02/2020 10:56	5.4	8.2	1012.8	919.8	12.6	5072
04/02/2020 11:11	5.4	8.1	1013.3	919.8	12.6	5072
04/02/2020 11:26	5.4	8.7	1013.2	919.8	12.6	5071.5
04/02/2020 11:41	5.4	9.1	1013.4	919.8	12.6	5072
04/02/2020 11:56	5.4	9	1013.7	919.8	12.6	5072
04/02/2020 12:11	5.4	9.3	1013.9	919.8	12.6	5072
04/02/2020 12:26	5.4	9.7	1014.2	919.8	12.6	5072
04/02/2020 12:41	5.4	10.1	1014.4	919.8	12.6	5071.5
04/02/2020 12:56	5.4	10	1014.7	919.9	12.6	5071.1
04/02/2020 13:11	5.4	10	1015.1	920	12.6	5070.6
04/02/2020 13:26	5.4	9.9	1015.3	919.9	12.6	5071.1
04/02/2020 13:41	5.4	10.2	1015.5	920	12.6	5070.6
04/02/2020 13:56	5.4	10.4	1015.7	920.1	12.6	5070.2
04/02/2020 14:11	5.4	10.2	1016.4	920.1	12.6	5070.2
04/02/2020 14:26	5.4	10	1016.8	920.1	12.6	5070.2
04/02/2020 14:41	5.4	9.8	1017.2	920.1	12.6	5070.2
04/02/2020 14:56	5.4	9.6	1017.5	920.2	12.6	5069.7
04/02/2020 15:11	5.4	9.6	1018.2	920.3	12.6	5069.3
04/02/2020 15:26	5.4	9.5	1018.4	920.4	12.6	5068.8
04/02/2020 15:41	5.4	9.4	1018.6	920.4	12.6	5068.8
04/02/2020 15:56	5.4	9.3	1018.7	920.4	12.6	5068.8
04/02/2020 16:11	5.4	9.1	1019.1	920.4	12.6	5068.8
04/02/2020 16:26	5.4	8.9	1019.9	920.6	12.6	5067.9
04/02/2020 16:41	5.4	8.8	1020.5	920.5	12.6	5068.4

04/02/2020 16:56	5.4	8.7	1020.9	920.6	12.6	5067.9
04/02/2020 17:11	5.4	8.6	1021.6	920.5	12.6	5068.4
04/02/2020 17:26	5.4	8.6	1022	920.6	12.6	5067.9
04/02/2020 17:41	5.4	8.5	1022.3	920.5	12.6	5068.4
04/02/2020 17:56	5.4	8.4	1022.8	920.7	12.6	5067.5
04/02/2020 18:11	5.4	8.4	1022.8	920.6	12.6	5067.9
04/02/2020 18:26	5.4	8.3	1022.9	920.6	12.6	5067.9
04/02/2020 18:41	5.4	8.3	1023.5	920.5	12.6	5068.4
04/02/2020 18:56	5.4	8.3	1023.9	920.5	12.6	5068.4
04/02/2020 19:11	5.4	8.1	1024.3	920.5	12.6	5068.4
04/02/2020 19:26	5.4	7.8	1024.3	920.5	12.6	5068.4
04/02/2020 19:41	5.4	7.7	1024.8	920.5	12.6	5068.4
04/02/2020 19:56	5.4	7.8	1024.7	920.4	12.6	5068.8
04/02/2020 20:11	5.4	7.8	1025.2	920.5	12.6	5068.4
04/02/2020 20:26	5.4	7.8	1025.3	920.4	12.6	5068.8
04/02/2020 20:41	5.4	7.8	1025.7	920.3	12.6	5069.3
04/02/2020 20:56	5.4	7.6	1026.1	920.3	12.6	5069.3
04/02/2020 21:11	5.4	7.4	1026.3	920.3	12.6	5069.3
04/02/2020 21:26	5.4	7.3	1026.5	920.3	12.6	5069.3
04/02/2020 21:41	5.4	7.2	1027	920.3	12.6	5069.3
04/02/2020 21:56	5.4	7	1027.1	920.3	12.6	5069.3
04/02/2020 22:11	5.4	6.8	1027.3	920.2	12.6	5069.7
04/02/2020 22:26	5.4	6.6	1026.9	920.2	12.6	5069.7
04/02/2020 22:41	5.4	6.6	1027.5	920.2	12.6	5069.7
04/02/2020 22:56	5.4	6.6	1027.3	920.2	12.6	5069.7
04/02/2020 23:11	5.4	6.7	1027.9	920.1	12.6	5070.2
04/02/2020 23:26	5.4	6.7	1028.3	920.1	12.6	5070.2
04/02/2020 23:41	5.4	6.8	1028.4	920.1	12.6	5070.2
04/02/2020 23:56	5.4	6.8	1028.6	920.1	12.6	5070.2
05/02/2020 00:11	5.4	6.7	1028.8	920.1	12.6	5070.2
05/02/2020 00:26	5.4	6.7	1029.1	920.1	12.6	5070.2
05/02/2020 00:41	5.4	6.7	1029.2	920.2	12.6	5069.7
05/02/2020 00:56	5.4	6.7	1029.1	920.2	12.6	5069.7
05/02/2020 01:11	5.4	6.6	1029.2	920.2	12.6	5069.7
05/02/2020 01:26	5.4	6.6	1029.5	920.3	12.6	5069.3
05/02/2020 01:41	5.4	6.5	1029.5	920.3	12.6	5069.3
05/02/2020 01:56	5.4	6.5	1029.9	920.3	12.6	5069.3
05/02/2020 02:11	5.4	6.5	1029.8	920.4	12.6	5068.8
05/02/2020 02:26	5.4	6.5	1030.2	920.4	12.6	5068.8
05/02/2020 02:41	5.4	6.5	1030.1	920.4	12.6	5068.8
05/02/2020 02:56	5.4	6.4	1030.3	920.5	12.6	5068.4
05/02/2020 03:11	5.4	6.3	1030.5	920.4	12.6	5068.8
05/02/2020 03:26	5.4	6.3	1030.7	920.5	12.6	5068.4
05/02/2020 03:41	5.4	6.3	1030.9	920.5	12.6	5068.4
05/02/2020 03:56	5.4	6.2	1030.9	920.7	12.6	5067.5
05/02/2020 04:11	5.4	6.1	1031.3	920.6	12.6	5067.9
05/02/2020 04:26	5.4	6	1031.1	920.7	12.6	5067.5
05/02/2020 04:41	5.4	5.9	1031.7	920.7	12.6	5067.5
05/02/2020 04:56	5.4	5.9	1031.5	920.7	12.6	5067.5
05/02/2020 05:11	5.4	5.9	1031.7	920.7	12.6	5067.5

05/02/2020 05:26	5.4	5.8	1031.9	920.7	12.6	5067.5
05/02/2020 05:41	5.4	5.8	1032.1	920.7	12.6	5067.5
05/02/2020 05:56	5.4	5.8	1032.1	920.8	12.6	5067
05/02/2020 06:11	5.4	5.8	1032.4	920.8	12.6	5067
05/02/2020 06:26	5.4	5.7	1032.7	920.8	12.6	5067
05/02/2020 06:41	5.4	5.7	1032.7	920.8	12.6	5067
05/02/2020 06:56	5.4	5.7	1032.8	920.8	12.6	5067
05/02/2020 07:11	5.4	5.7	1032.6	920.8	12.6	5067
05/02/2020 07:26	5.4	5.6	1032.9	920.8	12.6	5067
05/02/2020 07:41	5.4	5.6	1033.2	920.7	12.6	5067.5
05/02/2020 07:56	5.4	5.6	1033.3	920.8	12.6	5067
05/02/2020 08:11	5.4	5.6	1033.7	920.7	12.6	5067.5
05/02/2020 08:26	5.4	5.7	1033.3	920.7	12.6	5067.5
05/02/2020 08:41	5.4	5.9	1033.4	920.7	12.6	5067.5
05/02/2020 08:56	5.4	6.3	1033.4	920.7	12.6	5067.5
05/02/2020 09:11	5.4	6.7	1033.1	920.6	12.6	5067.9
05/02/2020 09:26	5.4	7.8	1033.1	920.6	12.6	5067.9
05/02/2020 09:41	5.4	10.7	1033	920.6	12.6	5067.9
05/02/2020 09:56	5.4	13.5	1033.1	920.6	12.6	5067.9
05/02/2020 10:11	5.4	14.6	1033.6	920.5	12.6	5068.4
05/02/2020 10:26	5.4	14.9	1033.3	920.5	12.6	5068.4
05/02/2020 10:41	5.4	14.8	1033.5	920.5	12.6	5068.4
05/02/2020 10:56	5.4	14.1	1033.4	920.4	12.6	5068.8
05/02/2020 11:11	5.4	13.8	1033.3	920.4	12.6	5068.8
05/02/2020 11:26	5.4	14.3	1033.5	920.4	12.6	5068.8
05/02/2020 11:41	5.4	15.5	1033.4	920.3	12.6	5069.3
05/02/2020 11:56	5.3	16.7	1033.5	920.3	12.6	5069.3
05/02/2020 12:11	5.3	17.2	1033.3	920.3	12.6	5069.3
05/02/2020 12:26	5.3	16.9	1033.4	920.3	12.6	5069.3
05/02/2020 12:41	5.4	16.8	1033.3	920.3	12.6	5069.3
05/02/2020 12:56	5.4	16.7	1033.3	920.3	12.6	5069.3
05/02/2020 13:11	5.4	16.1	1033	920.3	12.6	5069.3
05/02/2020 13:26	5.4	15.3	1032.9	920.3	12.6	5069.3
05/02/2020 13:41	5.4	15.6	1032.9	920.3	12.6	5069.3
05/02/2020 13:56	5.4	15	1032.8	920.3	12.6	5069.3
05/02/2020 14:11	5.4	14.8	1032.6	920.3	12.6	5069.3
05/02/2020 14:26	5.4	14.8	1032.9	920.3	12.6	5069.3
05/02/2020 14:41	5.4	14.4	1032.6	920.4	12.6	5068.8
05/02/2020 14:56	5.4	14.1	1032.6	920.4	12.6	5068.8
05/02/2020 15:11	5.4	14.3	1032.4	920.5	12.6	5068.4
05/02/2020 15:26	5.4	14.1	1032.4	920.5	12.6	5068.4
05/02/2020 15:41	5.4	12.9	1032.3	920.5	12.6	5068.4
05/02/2020 15:56	5.4	11.8	1032.1	920.5	12.6	5068.4
05/02/2020 16:11	5.4	10.7	1031.7	920.5	12.6	5068.4
05/02/2020 16:26	5.4	9.8	1031.6	920.5	12.6	5068.4
05/02/2020 16:41	5.4	8.9	1031.7	920.7	12.6	5067.5
05/02/2020 16:56	5.4	8.1	1031.5	920.7	12.6	5067.5
05/02/2020 17:11	5.4	7.4	1032	920.7	12.6	5067.5
05/02/2020 17:26	5.4	6.8	1031.7	920.7	12.6	5067.5
05/02/2020 17:41	5.4	6.2	1031.5	920.7	12.6	5067.5

05/02/2020 17:56	5.4	5.8	1031.3	920.7	12.6	5067.5
05/02/2020 18:11	5.4	5.8	1031.6	920.7	12.6	5067.5
05/02/2020 18:26	5.4	5.7	1031.6	920.7	12.6	5067.5
05/02/2020 18:41	5.4	5.7	1031.6	920.7	12.6	5067.5
05/02/2020 18:56	5.4	5.6	1031.8	920.7	12.6	5067.5
05/02/2020 19:11	5.4	5.4	1031.8	920.8	12.6	5067
05/02/2020 19:26	5.4	5.3	1031.8	920.7	12.6	5067.5
05/02/2020 19:41	5.4	5.1	1031.7	920.7	12.6	5067.5
05/02/2020 19:56	5.4	4.9	1031.5	920.8	12.6	5067
05/02/2020 20:11	5.4	4.7	1031.9	920.7	12.6	5067.5
05/02/2020 20:26	5.4	4.5	1032.1	920.7	12.6	5067.5
05/02/2020 20:41	5.4	4.2	1031.7	920.7	12.6	5067.5
05/02/2020 20:56	5.4	4	1031.6	920.7	12.6	5067.5
05/02/2020 21:11	5.4	3.7	1031.2	920.6	12.6	5067.9
05/02/2020 21:26	5.4	3.6	1031.5	920.7	12.6	5067.5
05/02/2020 21:41	5.4	3.4	1031.8	920.6	12.6	5067.9
05/02/2020 21:56	5.4	3.2	1031.8	920.5	12.6	5068.4
05/02/2020 22:11	5.4	3	1031.4	920.5	12.6	5068.4
05/02/2020 22:26	5.4	2.8	1031.7	920.5	12.6	5068.4
05/02/2020 22:41	5.4	2.5	1031.3	920.4	12.6	5068.8
05/02/2020 22:56	5.4	2.3	1031.2	920.4	12.6	5068.8
05/02/2020 23:11	5.4	2.1	1031.3	920.3	12.6	5069.3
05/02/2020 23:26	5.4	1.9	1031.2	920.3	12.6	5069.3
05/02/2020 23:41	5.4	1.7	1030.7	920.3	12.6	5069.3
05/02/2020 23:56	5.4	1.6	1030.5	920.3	12.6	5069.3
06/02/2020 00:11	5.4	1.6	1030.9	920.3	12.6	5069.3
06/02/2020 00:26	5.4	1.6	1030.6	920.2	12.6	5069.7
06/02/2020 00:41	5.4	1.6	1030.6	920.3	12.6	5069.3
06/02/2020 00:56	5.4	1.6	1030.4	920.1	12.6	5070.2
06/02/2020 01:11	5.4	1.6	1030.2	920.2	12.6	5069.7
06/02/2020 01:26	5.4	1.7	1030.2	920.3	12.6	5069.3
06/02/2020 01:41	5.4	1.7	1030.3	920.3	12.6	5069.3
06/02/2020 01:56	5.4	1.6	1030.3	920.3	12.6	5069.3
06/02/2020 02:11	5.4	1.6	1030.3	920.3	12.6	5069.3
06/02/2020 02:26	5.4	1.5	1030.3	920.3	12.6	5069.3
06/02/2020 02:41	5.4	1.4	1029.9	920.3	12.6	5069.3
06/02/2020 02:56	5.4	1.2	1029.9	920.4	12.6	5068.8
06/02/2020 03:11	5.4	1.1	1029.7	920.4	12.6	5068.8
06/02/2020 03:26	5.4	1.2	1029.4	920.4	12.6	5068.8
06/02/2020 03:41	5.4	1.3	1029.4	920.5	12.6	5068.4
06/02/2020 03:56	5.4	1.3	1029.3	920.5	12.6	5068.4
06/02/2020 04:11	5.4	1.3	1029	920.5	12.6	5068.4
06/02/2020 04:26	5.4	1.1	1029.2	920.6	12.6	5067.9
06/02/2020 04:41	5.4	0.9	1028.9	920.6	12.6	5067.9
06/02/2020 04:56	5.4	0.6	1029.1	920.7	12.6	5067.5
06/02/2020 05:11	5.4	0.4	1029.4	920.7	12.6	5067.5
06/02/2020 05:26	5.4	0.1	1029.5	920.7	12.6	5067.5
06/02/2020 05:41	5.4	-0.2	1029.1	920.7	12.6	5067.5
06/02/2020 05:56	5.4	-0.3	1029.2	920.8	12.6	5067
06/02/2020 06:11	5.4	-0.5	1029.4	920.7	12.6	5067.5

06/02/2020 06:26	5.4	-0.5	1028.9	920.7	12.6	5067.5
06/02/2020 06:41	5.4	-0.6	1029.3	920.8	12.6	5067
06/02/2020 06:56	5.4	-0.8	1029.3	920.8	12.6	5067
06/02/2020 07:11	5.4	-0.8	1029	920.7	12.6	5067.5
06/02/2020 07:26	5.4	-0.9	1028.9	920.8	12.6	5067
06/02/2020 07:41	5.4	-0.8	1028.7	920.7	12.6	5067.5
06/02/2020 07:56	5.4	-0.4	1028.5	920.8	12.6	5067
06/02/2020 08:11	5.4	0.5	1028.6	920.8	12.6	5067
06/02/2020 08:26	5.4	2.1	1028.4	920.7	12.6	5067.5
06/02/2020 08:41	5.4	4	1028.3	920.7	12.6	5067.5
06/02/2020 08:56	5.4	6.2	1028.2	920.7	12.6	5067.5
06/02/2020 09:11	5.4	8.2	1028.8	920.7	12.6	5067.5
06/02/2020 09:26	5.4	10.1	1028.6	920.7	12.6	5067.5
06/02/2020 09:41	5.4	11.6	1028.6	920.7	12.6	5067.5
06/02/2020 09:56	5.4	12.8	1028.5	920.6	12.6	5067.9
06/02/2020 10:11	5.4	13.6	1028.4	920.6	12.6	5067.9
06/02/2020 10:26	5.4	13.6	1028.5	920.6	12.6	5067.9
06/02/2020 10:41	5.4	13.3	1028.2	920.5	12.6	5068.4
06/02/2020 10:56	5.4	12.5	1028.3	920.5	12.6	5068.4
06/02/2020 11:11	5.4	12.3	1028.3	920.4	12.6	5068.8
06/02/2020 11:26	5.4	13.1	1028.2	920.4	12.6	5068.8
06/02/2020 11:41	5.4	14.4	1028	920.3	12.6	5069.3
06/02/2020 11:56	5.3	16	1027.9	920.4	12.6	5068.8
06/02/2020 12:11	5.3	17.3	1027.8	920.3	12.6	5069.3
06/02/2020 12:26	5.3	17.7	1027.8	920.3	12.6	5069.3
06/02/2020 12:41	5.3	18.5	1027.7	920.2	12.6	5069.7
06/02/2020 12:56	5.3	19.4	1027.7	920.1	12.6	5070.2
06/02/2020 13:11	5.3	19.5	1027.1	920.1	12.6	5070.2
06/02/2020 13:26	5.3	18.6	1027	920.2	12.6	5069.7
06/02/2020 13:41	5.4	17.4	1026.8	920.1	12.6	5070.2
06/02/2020 13:56	5.4	16.4	1026.8	920.1	12.6	5070.2
06/02/2020 14:11	5.4	15.6	1026.7	920.1	12.6	5070.2
06/02/2020 14:26	5.4	15.4	1026.3	920	12.6	5070.6
06/02/2020 14:41	5.4	15	1026.6	920.1	12.6	5070.2
06/02/2020 14:56	5.4	14.4	1026.7	920.1	12.6	5070.2
06/02/2020 15:11	5.4	14.3	1026.4	920.1	12.6	5070.2
06/02/2020 15:26	5.4	13.9	1026.5	920.1	12.6	5070.2
06/02/2020 15:41	5.4	13.6	1026.5	920.2	12.6	5069.7
06/02/2020 15:56	5.4	12.6	1026.8	920.3	12.6	5069.3
06/02/2020 16:11	5.4	11.2	1026.5	920.4	12.6	5068.8
06/02/2020 16:26	5.4	9.8	1026.6	920.3	12.6	5069.3
06/02/2020 16:41	5.4	8.7	1026.5	920.4	12.6	5068.8
06/02/2020 16:56	5.4	7.7	1026.6	920.4	12.6	5068.8
06/02/2020 17:11	5.4	6.9	1026.6	920.4	12.6	5068.8
06/02/2020 17:26	5.4	6.2	1026.5	920.5	12.6	5068.4
06/02/2020 17:41	5.4	5.4	1026.8	920.5	12.6	5068.4
06/02/2020 17:56	5.4	4.7	1026.9	920.5	12.6	5068.4
06/02/2020 18:11	5.4	4.1	1026.7	920.5	12.6	5068.4
06/02/2020 18:26	5.4	3.5	1026.9	920.6	12.6	5067.9
06/02/2020 18:41	5.4	3	1026.6	920.5	12.6	5068.4

06/02/2020 18:56	5.4	2.7	1026.3	920.6	12.6	5067.9
06/02/2020 19:11	5.4	2.4	1026.7	920.6	12.6	5067.9
06/02/2020 19:26	5.4	2	1026.7	920.6	12.6	5067.9
06/02/2020 19:41	5.4	1.5	1026.6	920.7	12.6	5067.5
06/02/2020 19:56	5.4	1.1	1026.7	920.6	12.6	5067.9
06/02/2020 20:11	5.4	0.8	1026.3	920.7	12.6	5067.5
06/02/2020 20:26	5.4	0.4	1026.2	920.5	12.6	5068.4
06/02/2020 20:41	5.4	0.2	1025.9	920.6	12.6	5067.9
06/02/2020 20:56	5.4	-0.1	1026.3	920.6	12.6	5067.9
06/02/2020 21:11	5.4	-0.3	1026	920.6	12.6	5067.9
06/02/2020 21:26	5.4	-0.4	1026.2	920.5	12.6	5068.4
06/02/2020 21:41	5.4	-0.5	1025.8	920.5	12.6	5068.4
06/02/2020 21:56	5.4	-0.6	1025.7	920.5	12.6	5068.4
06/02/2020 22:11	5.4	-0.7	1025.4	920.5	12.6	5068.4
06/02/2020 22:26	5.4	-0.8	1025.5	920.4	12.6	5068.8
06/02/2020 22:41	5.4	-0.9	1025.9	920.4	12.6	5068.8
06/02/2020 22:56	5.4	-1.1	1025.6	920.3	12.6	5069.3
06/02/2020 23:11	5.4	-1.3	1025.6	920.2	12.6	5069.7
06/02/2020 23:26	5.4	-1.5	1025.4	920.1	12.6	5070.2
06/02/2020 23:41	5.4	-1.6	1025.4	920.2	12.6	5069.7
06/02/2020 23:56	5.4	-1.8	1025.4	920.1	12.6	5070.2
07/02/2020 00:11	5.4	-1.8	1025.2	920.1	12.6	5070.2
07/02/2020 00:26	5.4	-1.8	1025.1	920	12.6	5070.6
07/02/2020 00:41	5.5	-1.8	1024.7	920	12.6	5070.6
07/02/2020 00:56	5.5	-1.8	1024.6	919.9	12.6	5071.1
07/02/2020 01:11	5.4	-1.7	1024.8	919.9	12.6	5071.1
07/02/2020 01:26	5.4	-1.5	1024.4	919.9	12.6	5071.1
07/02/2020 01:41	5.4	0.3	1023.9	919.9	12.6	5071.1
07/02/2020 01:56	5.4	2.3	1024.1	919.8	12.6	5071.5
07/02/2020 02:11	5.4	3.5	1023.6	919.9	12.6	5071.1
07/02/2020 02:26	5.4	4.2	1023.5	919.8	12.6	5072
07/02/2020 02:41	5.4	4.8	1023.5	919.8	12.6	5071.5
07/02/2020 02:56	5.4	5.2	1023	919.8	12.6	5071.5
07/02/2020 03:11	5.4	5.5	1023.3	919.9	12.6	5071.1
07/02/2020 03:26	5.4	5.7	1022.7	919.9	12.6	5071.1
07/02/2020 03:41	5.4	5.9	1022.7	919.9	12.6	5071.1
07/02/2020 03:56	5.4	6.1	1022.4	920	12.6	5070.6
07/02/2020 04:11	5.4	6.2	1022.4	920	12.6	5070.6
07/02/2020 04:26	5.4	6.2	1022.2	920	12.6	5070.6
07/02/2020 04:41	5.4	6.2	1022	920	12.6	5070.6
07/02/2020 04:56	5.4	6.1	1022.1	920.1	12.6	5070.2
07/02/2020 05:11	5.4	6.1	1021.7	920.1	12.6	5070.2
07/02/2020 05:26	5.4	6	1021.5	920.2	12.6	5069.7
07/02/2020 05:41	5.4	6	1021.3	920.2	12.6	5069.7
07/02/2020 05:56	5.4	6	1021.2	920.2	12.6	5069.7
07/02/2020 06:11	5.4	6.1	1021.4	920.3	12.6	5069.3
07/02/2020 06:26	5.4	6.1	1020.4	920.3	12.6	5069.3
07/02/2020 06:41	5.4	6.1	1020.6	920.3	12.6	5069.3
07/02/2020 06:56	5.4	6	1020.6	920.3	12.6	5069.3
07/02/2020 07:11	5.4	6	1020.5	920.4	12.6	5068.8

07/02/2020 07:26	5.4	6	1020.2	920.3	12.6	5069.3
07/02/2020 07:41	5.4	6.1	1020.5	920.4	12.6	5068.8
07/02/2020 07:56	5.4	6.3	1020.4	920.4	12.6	5068.8
07/02/2020 08:11	5.4	6.9	1020.1	920.5	12.6	5068.4
07/02/2020 08:26	5.4	7.9	1019.9	920.4	12.6	5068.8
07/02/2020 08:41	5.4	8.9	1019.8	920.4	12.6	5068.8
07/02/2020 08:56	5.4	9.9	1019.4	920.4	12.6	5068.8
07/02/2020 09:11	5.4	10.6	1019.1	920.4	12.6	5068.8
07/02/2020 09:26	5.4	11.2	1018.9	920.4	12.6	5068.8
07/02/2020 09:41	5.4	12	1019.1	920.3	12.6	5069.3
07/02/2020 10:11	5.4	12.5	1018.4	920.2	12.6	5069.7
07/02/2020 10:26	5.4	12.2	1018.5	920.2	12.6	5069.7
07/02/2020 10:41	5.4	11.5	1018.6	920.1	12.6	5070.2
07/02/2020 10:56	5.4	10.8	1017.8	920	12.6	5070.6
07/02/2020 11:11	5.4	10.6	1017.4	919.9	12.6	5071.1
07/02/2020 11:26	5.4	10.9	1017.3	919.9	12.6	5071.1
07/02/2020 11:41	5.4	11.5	1016.9	919.8	12.6	5071.5
07/02/2020 11:56	5.4	12.3	1016.1	919.8	12.6	5071.5
07/02/2020 12:11	5.4	12.9	1016	919.8	12.6	5072
07/02/2020 12:26	5.4	13.1	1015.8	919.8	12.6	5072
07/02/2020 12:41	5.4	13.1	1015.3	919.8	12.6	5072
07/02/2020 12:56	5.4	13	1015	919.6	12.6	5072.9
07/02/2020 13:11	5.4	12.9	1014.7	919.7	12.6	5072.4
07/02/2020 13:26	5.4	12.9	1014.9	919.7	12.6	5072.4
07/02/2020 13:41	5.4	13.1	1014.6	919.6	12.6	5072.9
07/02/2020 13:56	5.4	13.5	1014.4	919.6	12.6	5072.9
07/02/2020 14:11	5.4	13.4	1014.5	919.6	12.6	5072.9
07/02/2020 14:26	5.4	12.9	1014.3	919.6	12.6	5072.9
07/02/2020 14:41	5.4	12.5	1014.1	919.6	12.6	5072.9
07/02/2020 14:56	5.4	11.6	1013.8	919.6	12.6	5072.9
07/02/2020 15:11	5.4	10.4	1014	919.6	12.6	5072.9
07/02/2020 15:26	5.4	9.4	1013.5	919.6	12.6	5072.9
07/02/2020 15:41	5.4	8.7	1013.4	919.5	12.6	5073.3
07/02/2020 15:56	5.4	8.2	1013.4	919.6	12.6	5072.9
07/02/2020 16:11	5.4	7.9	1013.4	919.6	12.6	5072.9
07/02/2020 16:26	5.4	7.7	1013.5	919.6	12.6	5072.9
07/02/2020 16:41	5.4	7.5	1013.1	919.6	12.6	5072.9
07/02/2020 16:56	5.4	7.4	1013.4	919.6	12.6	5072.9
07/02/2020 17:11	5.4	7.4	1013	919.7	12.6	5072.4
07/02/2020 17:26	5.4	7.4	1013.3	919.6	12.6	5072.9
07/02/2020 17:41	5.4	7.4	1013.1	919.7	12.6	5072.4
07/02/2020 17:56	5.4	7.4	1013.1	919.7	12.6	5072.4
07/02/2020 18:11	5.4	7.4	1012.9	919.8	12.6	5072
07/02/2020 18:26	5.4	7.4	1013.1	919.8	12.6	5072
07/02/2020 18:41	5.4	7.5	1012.7	919.8	12.6	5072
07/02/2020 18:56	5.4	7.5	1012.7	919.8	12.6	5072
07/02/2020 19:11	5.4	7.7	1012.6	919.8	12.6	5072
07/02/2020 19:26	5.4	7.8	1012.2	919.8	12.6	5072
07/02/2020 19:41	5.4	7.8	1012.1	919.8	12.6	5071.5
07/02/2020 19:56	5.4	7.8	1012.2	919.8	12.6	5072

07/02/2020 20:11	5.4	7.8	1012.4	919.8	12.6	5071.5
07/02/2020 20:26	5.4	7.8	1012	919.8	12.6	5071.5
07/02/2020 20:41	5.4	7.7	1011.7	919.8	12.6	5071.5
07/02/2020 20:56	5.4	7.7	1011.8	919.8	12.6	5071.5
07/02/2020 21:11	5.4	7.9	1011.7	919.8	12.6	5071.5
07/02/2020 21:26	5.4	8	1011.5	919.8	12.6	5071.5
07/02/2020 21:41	5.4	8.1	1011.5	919.8	12.6	5072
07/02/2020 21:56	5.4	8.3	1011.5	919.8	12.6	5072
07/02/2020 22:11	5.4	8.3	1011.2	919.8	12.6	5071.5
07/02/2020 22:26	5.4	8.4	1011.6	919.8	12.6	5072
07/02/2020 22:41	5.4	8.6	1011.4	919.8	12.6	5072
07/02/2020 22:56	5.4	8.7	1011.1	919.7	12.6	5072.4
07/02/2020 23:11	5.4	8.8	1011	919.7	12.6	5072.4
07/02/2020 23:26	5.4	8.8	1011	919.6	12.6	5072.9
07/02/2020 23:41	5.4	8.8	1011	919.6	12.6	5072.9
07/02/2020 23:56	5.4	8.9	1011	919.6	12.6	5072.9
08/02/2020 00:11	5.4	8.8	1010.5	919.6	12.6	5072.9
08/02/2020 00:26	5.4	8.7	1010.5	919.6	12.6	5072.9
08/02/2020 00:41	5.4	8.6	1010.4	919.6	12.6	5072.9
08/02/2020 00:56	5.4	8.7	1010	919.7	12.6	5072.4
08/02/2020 01:11	5.4	8.8	1010.4	919.6	12.6	5072.9
08/02/2020 01:26	5.4	8.9	1010.1	919.6	12.6	5072.9
08/02/2020 01:41	5.4	9.1	1010.1	919.6	12.6	5072.9
08/02/2020 01:56	5.4	9.2	1009.9	919.6	12.6	5072.9
08/02/2020 02:11	5.4	9.2	1009.8	919.6	12.6	5072.9
08/02/2020 02:26	5.4	9.3	1009.7	919.6	12.6	5072.9
08/02/2020 02:41	5.4	9.4	1009.6	919.7	12.6	5072.4
08/02/2020 02:56	5.4	9.5	1009.4	919.6	12.6	5072.9
08/02/2020 03:11	5.4	9.6	1009.4	919.6	12.6	5072.9
08/02/2020 03:26	5.4	9.5	1009.3	919.7	12.6	5072.4
08/02/2020 03:41	5.4	9.4	1009	919.7	12.6	5072.4
08/02/2020 03:56	5.4	9.4	1009.3	919.6	12.6	5072.9
08/02/2020 04:11	5.4	9.4	1009.3	919.6	12.6	5072.9
08/02/2020 04:26	5.4	9.3	1009.3	919.6	12.6	5072.9
08/02/2020 04:41	5.4	9.3	1009	919.6	12.6	5072.9
08/02/2020 04:56	5.4	9.3	1009.2	919.5	12.6	5073.3
08/02/2020 05:11	5.4	9.4	1009	919.6	12.6	5072.9
08/02/2020 05:26	5.4	9.4	1009.2	919.6	12.6	5072.9
08/02/2020 05:41	5.4	9.5	1009.4	919.6	12.6	5072.9
08/02/2020 05:56	5.4	9.6	1009.5	919.6	12.6	5072.9
08/02/2020 06:11	5.4	9.6	1009.6	919.6	12.6	5072.9
08/02/2020 06:26	5.4	9.5	1009.7	919.6	12.6	5072.9
08/02/2020 06:41	5.4	9.3	1010.2	919.7	12.6	5072.4
08/02/2020 06:56	5.4	9.1	1010.1	919.7	12.6	5072.4
08/02/2020 07:11	5.4	8.8	1010.2	919.7	12.6	5072.4
08/02/2020 07:26	5.4	8.6	1010.6	919.8	12.6	5072
08/02/2020 07:41	5.4	8.4	1010.6	919.8	12.6	5071.5
08/02/2020 07:56	5.4	8.3	1010.7	919.8	12.6	5071.5
08/02/2020 08:11	5.4	8.2	1011	919.8	12.6	5071.5
08/02/2020 08:26	5.4	8.2	1011.1	919.9	12.6	5071.1

08/02/2020 08:41	5.4	8.3	1011.4	919.9	12.6	5071.1
08/02/2020 08:56	5.4	8.4	1011.7	920	12.6	5070.6
08/02/2020 09:11	5.4	8.4	1011.8	920	12.6	5070.6
08/02/2020 09:26	5.4	8.5	1011.6	919.9	12.6	5071.1
08/02/2020 09:41	5.4	8.6	1011.9	920	12.6	5070.6
08/02/2020 09:56	5.4	8.9	1012.1	920	12.6	5070.6
08/02/2020 10:11	5.4	9.2	1012.3	920	12.6	5070.6
08/02/2020 10:26	5.4	9.8	1012.4	920	12.6	5070.6
08/02/2020 10:41	5.4	10.3	1012.7	920	12.6	5070.6
08/02/2020 10:56	5.4	10.8	1012.7	919.9	12.6	5071.1
08/02/2020 11:11	5.4	11.6	1012.3	919.9	12.6	5071.1
08/02/2020 11:26	5.4	12.5	1012.6	919.8	12.6	5071.5
08/02/2020 11:41	5.4	13.6	1012	919.8	12.6	5071.5
08/02/2020 11:56	5.4	13.6	1012	919.8	12.6	5072
08/02/2020 12:11	5.4	13.2	1012.3	919.8	12.6	5072
08/02/2020 12:26	5.4	12.8	1012.2	919.7	12.6	5072.4
08/02/2020 12:41	5.4	12.5	1012.1	919.8	12.6	5072
08/02/2020 12:56	5.4	12.2	1012	919.7	12.6	5072.4
08/02/2020 13:11	5.4	12	1012.3	919.6	12.6	5072.9
08/02/2020 13:26	5.4	12.2	1012	919.6	12.6	5072.9
08/02/2020 13:41	5.4	12.9	1012.3	919.7	12.6	5072.4
08/02/2020 13:56	5.4	13.8	1012.1	919.6	12.6	5072.9
08/02/2020 14:11	5.4	13.9	1012	919.6	12.6	5072.9
08/02/2020 14:26	5.4	13.7	1011.7	919.5	12.6	5073.3
08/02/2020 14:41	5.4	14	1011.7	919.6	12.6	5072.9
08/02/2020 14:56	5.4	14.6	1011.8	919.6	12.6	5072.9
08/02/2020 15:11	5.4	14.8	1011.7	919.6	12.6	5072.9
08/02/2020 15:26	5.4	14.6	1011.4	919.6	12.6	5072.9
08/02/2020 15:41	5.4	14.3	1011.7	919.6	12.6	5072.9
08/02/2020 15:56	5.4	13.7	1011.5	919.6	12.6	5072.9
08/02/2020 16:11	5.4	12.4	1011.5	919.7	12.6	5072.4
08/02/2020 16:26	5.4	11.1	1011.8	919.6	12.6	5072.9
08/02/2020 16:41	5.4	9.9	1011.8	919.7	12.6	5072.4
08/02/2020 16:56	5.4	9.1	1012	919.6	12.6	5072.9
08/02/2020 17:11	5.4	8.5	1011.9	919.7	12.6	5072.4
08/02/2020 17:26	5.4	8	1012.3	919.8	12.6	5072
08/02/2020 17:41	5.4	7.7	1012.2	919.8	12.6	5072
08/02/2020 17:56	5.4	7.3	1012.5	919.8	12.6	5072
08/02/2020 18:11	5.4	7.2	1012.6	919.8	12.6	5072
08/02/2020 18:26	5.4	7.1	1012.4	919.8	12.6	5072
08/02/2020 18:41	5.4	7	1012.1	919.8	12.6	5071.5
08/02/2020 18:56	5.4	6.9	1011.6	919.9	12.6	5071.1
08/02/2020 19:11	5.4	6.9	1011.4	919.9	12.6	5071.1
08/02/2020 19:26	5.4	6.9	1011.1	919.9	12.6	5071.1
08/02/2020 19:41	5.4	6.9	1010.6	919.9	12.6	5071.1
08/02/2020 19:56	5.4	6.9	1010.2	919.9	12.6	5071.1
08/02/2020 20:11	5.4	6.8	1010.4	919.9	12.6	5071.1
08/02/2020 20:26	5.4	6.8	1010.8	919.9	12.6	5071.1
08/02/2020 20:41	5.4	6.8	1010.5	920	12.6	5070.6
08/02/2020 20:56	5.4	6.9	1010.5	920	12.6	5070.6

08/02/2020 21:11	5.4	7	1010.2	920	12.6	5070.6
08/02/2020 21:26	5.4	7.1	1010.1	920	12.6	5070.6
08/02/2020 21:41	5.4	7.2	1010.1	919.9	12.6	5071.1
08/02/2020 21:56	5.4	7.3	1009.7	919.9	12.6	5071.1
08/02/2020 22:11	5.4	7.4	1009.5	919.9	12.6	5071.1
08/02/2020 22:26	5.4	7.4	1009.4	919.9	12.6	5071.1
08/02/2020 22:41	5.4	7.5	1008.9	919.8	12.6	5071.5
08/02/2020 22:56	5.4	7.7	1008.3	919.8	12.6	5072
08/02/2020 23:11	5.4	7.8	1008	919.8	12.6	5072
08/02/2020 23:26	5.4	7.9	1007.4	919.7	12.6	5072.4
08/02/2020 23:41	5.4	7.9	1007.2	919.7	12.6	5072.4
08/02/2020 23:56	5.4	8	1006.9	919.6	12.6	5072.9
09/02/2020 00:11	5.4	8	1006.2	919.6	12.6	5072.9
09/02/2020 00:26	5.4	8.1	1006.1	919.6	12.6	5072.9
09/02/2020 00:41	5.4	8.3	1005.3	919.6	12.6	5072.9
09/02/2020 00:56	5.4	8.4	1004.8	919.6	12.6	5072.9
09/02/2020 01:11	5.4	8.6	1004.1	919.6	12.6	5072.9
09/02/2020 01:26	5.4	8.7	1004.3	919.6	12.6	5072.9
09/02/2020 01:41	5.4	8.7	1003.6	919.7	12.6	5072.4
09/02/2020 01:56	5.4	8.8	1003	919.8	12.6	5072
09/02/2020 02:11	5.4	8.8	1003	919.8	12.6	5072
09/02/2020 02:26	5.4	8.7	1002.8	919.7	12.6	5072.4
09/02/2020 02:41	5.4	8.7	1002.1	919.7	12.6	5072.4
09/02/2020 02:56	5.4	8.6	1001.5	919.7	12.6	5072.4
09/02/2020 03:11	5.4	8.6	1000.7	919.7	12.6	5072.4
09/02/2020 03:26	5.4	8.5	1000.4	919.5	12.6	5073.3
09/02/2020 03:41	5.4	8.6	1000.3	919.4	12.6	5073.8
09/02/2020 03:56	5.4	8.7	999.9	919.5	12.6	5073.3
09/02/2020 04:11	5.4	8.7	999.6	919.5	12.6	5073.3
09/02/2020 04:26	5.4	8.8	999.2	919.4	12.6	5073.8
09/02/2020 04:41	5.4	8.8	999	919.4	12.6	5073.8
09/02/2020 04:56	5.4	8.9	998.4	919.4	12.6	5073.8
09/02/2020 05:11	5.4	8.9	997.8	919.3	12.6	5074.2
09/02/2020 05:26	5.4	9	996.9	919.2	12.6	5074.7
09/02/2020 05:41	5.4	9	996.5	919.3	12.6	5074.2
09/02/2020 05:56	5.4	9	996.5	919.4	12.6	5073.8
09/02/2020 06:11	5.4	9	996.2	919.4	12.6	5073.8
09/02/2020 06:26	5.4	9.1	996	919.4	12.6	5073.8
09/02/2020 06:41	5.4	9.1	994.9	919.4	12.6	5073.8
09/02/2020 06:56	5.4	9.1	995.1	919.4	12.6	5073.8
09/02/2020 07:11	5.4	9.1	993.7	919.5	12.6	5073.3
09/02/2020 07:26	5.4	9.1	993.7	919.4	12.6	5073.8
09/02/2020 07:41	5.4	9.2	993.3	919.6	12.6	5072.9
09/02/2020 07:56	5.4	9.3	992.5	919.4	12.6	5073.8
09/02/2020 08:11	5.4	9.4	992	919.6	12.6	5072.9
09/02/2020 08:26	5.4	9.5	991.6	919.5	12.6	5073.3
09/02/2020 08:41	5.4	9.6	991	919.6	12.6	5072.9
09/02/2020 08:56	5.4	9.6	990.1	919.6	12.6	5072.9
09/02/2020 09:11	5.4	9.8	990.1	919.4	12.6	5073.8
09/02/2020 09:26	5.4	10	989	919.5	12.6	5073.3

09/02/2020 09:41	5.4	10.3	989	919.6	12.6	5072.9
09/02/2020 09:56	5.4	10.4	988.7	919.6	12.6	5072.9
09/02/2020 10:11	5.4	10.5	988.5	919.6	12.6	5072.9
09/02/2020 10:26	5.4	10.5	987.8	919.6	12.6	5072.9
09/02/2020 10:41	5.4	10.2	987.3	919.6	12.6	5072.9
09/02/2020 10:56	5.4	10.1	987.5	919.5	12.6	5073.3
09/02/2020 11:11	5.4	10	987	919.6	12.6	5072.9
09/02/2020 11:26	5.4	10	985.9	919.5	12.6	5073.3
09/02/2020 11:41	5.4	10	985.1	919.4	12.6	5073.8
09/02/2020 11:56	5.4	10.2	984.7	919	12.6	5075.6
09/02/2020 12:11	5.4	10.4	984.9	918.9	12.6	5076
09/02/2020 12:26	5.4	10.6	985.4	918.9	12.6	5076
09/02/2020 12:41	5.4	11.1	984	918.7	12.6	5076.9
09/02/2020 12:56	5.4	11.1	983.8	918.5	12.6	5077.8
09/02/2020 13:11	5.4	11.2	982.8	918.5	12.6	5077.8
09/02/2020 13:26	5.4	11.2	982.5	918.5	12.6	5077.8
09/02/2020 13:41	5.4	11.2	982.4	918.5	12.6	5077.8
09/02/2020 13:56	5.4	11.3	982	918.3	12.6	5078.7
09/02/2020 14:11	5.4	11.2	981.8	918.4	12.6	5078.3
09/02/2020 14:26	5.4	11.2	980.9	918.3	12.6	5078.7
09/02/2020 14:41	5.4	11.2	980.8	918.3	12.6	5078.7
09/02/2020 14:56	5.4	11.1	980.3	918.3	12.6	5079.2
09/02/2020 15:11	5.4	11.2	980.2	918.3	12.6	5078.7
09/02/2020 15:26	5.4	11.2	979.3	918.3	12.6	5078.7
09/02/2020 15:41	5.4	11.1	979.5	918.3	12.6	5078.7
09/02/2020 15:56	5.4	11.2	979	918.3	12.6	5079.2
09/02/2020 16:11	5.4	11.6	979.1	918.3	12.6	5078.7
09/02/2020 16:26	5.4	11.8	980.3	918.3	12.6	5078.7
09/02/2020 16:41	5.4	11.7	979.4	918.3	12.6	5078.7
09/02/2020 16:56	5.4	11.7	979.4	918.4	12.6	5078.3
09/02/2020 17:11	5.4	11.7	979.5	918.6	12.6	5077.4
09/02/2020 17:26	5.4	11.5	979.5	918.3	12.6	5078.7
09/02/2020 17:41	5.4	11.3	979.4	918.6	12.6	5077.4
09/02/2020 17:56	5.4	11.3	979.4	918.9	12.6	5076
09/02/2020 18:11	5.4	11.3	979.4	919	12.6	5075.6
09/02/2020 18:26	5.4	11.4	979.3	918.9	12.6	5076
09/02/2020 18:41	5.4	11.4	979.2	919.1	12.6	5075.1
09/02/2020 18:56	5.4	11.1	978.9	919.1	12.6	5075.1
09/02/2020 19:11	5.4	11.2	979	919.1	12.6	5075.1
09/02/2020 19:26	5.4	11.2	978.7	919.3	12.6	5074.2
09/02/2020 19:41	5.4	11.1	979.3	919.3	12.6	5074.2
09/02/2020 19:56	5.4	11.1	979	919.4	12.6	5073.8
09/02/2020 20:11	5.4	11	979	919.6	12.6	5072.9
09/02/2020 20:26	5.4	10.9	979.5	919.6	12.6	5072.9
09/02/2020 20:41	5.4	10.9	979.7	919.6	12.6	5072.9
09/02/2020 20:56	5.4	10.8	980	919.6	12.6	5072.9
09/02/2020 21:11	5.4	10.9	980.2	919.7	12.6	5072.4
09/02/2020 21:26	5.4	10.9	980	919.6	12.6	5072.9
09/02/2020 21:41	5.4	10.8	980.7	919.6	12.6	5072.9
09/02/2020 21:56	5.4	9.5	980.9	919.8	12.6	5072

09/02/2020 22:11	5.4	8.8	981.1	919.8	12.6	5072
09/02/2020 22:26	5.4	8.4	981.1	919.7	12.6	5072.4
09/02/2020 22:41	5.4	8.4	981.2	919.6	12.6	5072.9
09/02/2020 22:56	5.4	8.8	981.5	919.7	12.6	5072.4
09/02/2020 23:11	5.4	9	981.1	919.6	12.6	5072.9
09/02/2020 23:26	5.4	9.1	981.8	919.8	12.6	5072
09/02/2020 23:41	5.4	9.2	981.5	919.6	12.6	5072.9
09/02/2020 23:56	5.4	9.2	981.5	919.7	12.6	5072.4
10/02/2020 00:11	5.4	9.2	981.8	919.7	12.6	5072.4
10/02/2020 00:26	5.4	9.2	981.8	919.6	12.6	5072.9
10/02/2020 00:41	5.4	9.3	982.3	919.6	12.6	5072.9
10/02/2020 00:56	5.4	9.4	982.6	919.4	12.6	5073.8
10/02/2020 01:11	5.4	9.2	982.4	919.4	12.6	5073.8
10/02/2020 01:26	5.4	9.1	982.5	919.4	12.6	5073.8
10/02/2020 01:41	5.4	9	982.6	919.4	12.6	5073.8
10/02/2020 01:56	5.4	9	982.8	919.3	12.6	5074.2
10/02/2020 02:11	5.4	9.1	983.8	919.2	12.6	5074.7
10/02/2020 02:26	5.4	7.8	984	919.1	12.6	5075.1
10/02/2020 02:41	5.4	6.9	984.3	919.1	12.6	5075.1
10/02/2020 02:56	5.4	6.7	984.8	919.1	12.6	5075.1
10/02/2020 03:11	5.4	6.6	984.2	919.1	12.6	5075.1
10/02/2020 03:26	5.4	6.5	985	919.1	12.6	5075.1
10/02/2020 03:41	5.4	6.6	985.4	919	12.6	5075.6
10/02/2020 03:56	5.4	6.6	986	919.1	12.6	5075.1
10/02/2020 04:11	5.4	6.4	986.5	919.1	12.6	5075.1
10/02/2020 04:26	5.4	6.3	987	919.1	12.6	5075.1
10/02/2020 04:41	5.4	6.2	987.5	919.2	12.6	5074.7
10/02/2020 04:56	5.4	6.3	988.1	919.3	12.6	5074.2
10/02/2020 05:11	5.4	6.3	988.3	919.4	12.6	5073.8
10/02/2020 05:26	5.4	6.4	988.6	919.5	12.6	5073.3
10/02/2020 05:41	5.4	6.4	989	919.6	12.6	5072.9
10/02/2020 05:56	5.4	6.4	989.4	919.7	12.6	5072.4
10/02/2020 06:11	5.4	6.4	989.8	919.8	12.6	5072
10/02/2020 06:26	5.4	6.5	990.2	919.8	12.6	5072
10/02/2020 06:41	5.4	6.4	990.7	919.7	12.6	5072.4
10/02/2020 06:56	5.4	6.3	990.9	919.8	12.6	5072
10/02/2020 07:11	5.4	6.2	990.8	919.7	12.6	5072.4
10/02/2020 07:26	5.4	6.3	991.9	919.6	12.6	5072.9
10/02/2020 07:41	5.4	6.3	991.7	919.6	12.6	5072.9
10/02/2020 07:56	5.4	6.9	992.2	919.7	12.6	5072.4
10/02/2020 08:11	5.4	7.5	992.4	919.6	12.6	5072.9
10/02/2020 08:26	5.4	8.2	993.1	919.6	12.6	5072.9
10/02/2020 08:41	5.4	8.7	992.8	919.6	12.6	5072.9
10/02/2020 08:56	5.4	9.3	993	919.6	12.6	5072.9
10/02/2020 09:11	5.4	9.9	993.6	919.8	12.6	5072
10/02/2020 09:26	5.4	10.4	994.1	919.8	12.6	5072
10/02/2020 09:41	5.4	10.9	994.3	919.8	12.6	5072
10/02/2020 09:56	5.4	11.4	994.5	919.8	12.6	5071.5
10/02/2020 10:11	5.4	11.2	994.3	919.8	12.6	5071.5
10/02/2020 10:26	5.4	11	994.3	919.9	12.6	5071.1

10/02/2020 10:41	5.4	10.6	994.5	919.8	12.6	5071.5
10/02/2020 10:56	5.4	10.4	994.2	919.8	12.6	5071.5
10/02/2020 11:11	5.4	10.5	994.4	919.8	12.6	5071.5
10/02/2020 11:26	5.4	11.2	993.8	919.8	12.6	5071.5
10/02/2020 11:41	5.4	11.9	993.7	919.8	12.6	5071.5
10/02/2020 11:56	5.4	12.5	994	919.8	12.6	5072
10/02/2020 12:11	5.4	12.9	993.6	919.7	12.6	5072.4
10/02/2020 12:26	5.4	13.4	993.3	919.6	12.6	5072.9
10/02/2020 12:41	5.4	13.7	993	919.6	12.6	5072.9
10/02/2020 12:56	5.4	13.4	992.5	919.6	12.6	5072.9
10/02/2020 13:11	5.4	12.4	992.8	919.6	12.6	5072.9
10/02/2020 13:26	5.4	11.5	992.5	919.7	12.6	5072.4
10/02/2020 13:41	5.4	10.9	991.9	919.6	12.6	5072.9
10/02/2020 13:56	5.4	10.5	991.5	919.7	12.6	5072.4
10/02/2020 14:11	5.4	9.9	991	919.6	12.6	5072.9
10/02/2020 14:26	5.4	8.5	990.9	919.8	12.6	5072
10/02/2020 14:41	5.4	7.6	990	919.7	12.6	5072.4
10/02/2020 14:56	5.4	7.1	989.6	919.6	12.6	5072.9
10/02/2020 15:11	5.4	7.2	989.4	919.8	12.6	5072
10/02/2020 15:26	5.4	7.4	989.2	919.7	12.6	5072.4
10/02/2020 15:41	5.4	7.6	988.8	919.7	12.6	5072.4
10/02/2020 15:56	5.4	7.6	989	919.6	12.6	5072.9
10/02/2020 16:11	5.4	7.6	988.9	919.6	12.6	5072.9
10/02/2020 16:26	5.4	7.5	988.1	919.5	12.6	5073.3
10/02/2020 16:41	5.4	7.5	988.4	919.5	12.6	5073.3
10/02/2020 16:56	5.4	7.2	988.2	919.5	12.6	5073.3
10/02/2020 17:11	5.4	6.7	989.8	919.5	12.6	5073.3
10/02/2020 17:26	5.4	5.5	990.5	919.5	12.6	5073.3
10/02/2020 17:41	5.4	4.8	990.5	919.6	12.6	5072.9
10/02/2020 17:56	5.4	4.4	990.6	919.6	12.6	5072.9
10/02/2020 18:11	5.4	3.9	990.4	919.7	12.6	5072.4
10/02/2020 18:26	5.4	3.5	990.6	919.8	12.6	5072
10/02/2020 18:41	5.4	3.3	990.9	919.7	12.6	5072.4
10/02/2020 18:56	5.4	3.2	990.6	919.7	12.6	5072.4
10/02/2020 19:11	5.4	3.2	990	919.8	12.6	5072
10/02/2020 19:26	5.4	3.4	990.6	919.6	12.6	5072.9
10/02/2020 19:41	5.4	3.7	990.9	919.6	12.6	5072.9
10/02/2020 19:56	5.4	3.9	991	919.7	12.6	5072.4
10/02/2020 20:11	5.4	4.1	991.2	919.6	12.6	5072.9
10/02/2020 20:26	5.4	4.3	991.9	919.6	12.6	5072.9
10/02/2020 20:41	5.4	4.5	991.9	919.6	12.6	5072.9
10/02/2020 20:56	5.4	4.6	991.7	919.6	12.6	5072.9
10/02/2020 21:11	5.4	4.6	992.3	919.6	12.6	5072.9
10/02/2020 21:26	5.4	4.6	992.1	919.6	12.6	5072.9
10/02/2020 21:41	5.4	4.5	992.3	919.6	12.6	5072.9
10/02/2020 21:56	5.4	4.4	992.4	919.6	12.6	5072.9
10/02/2020 22:11	5.4	4.3	993.2	919.6	12.6	5072.9
10/02/2020 22:26	5.4	4.2	993.1	919.6	12.6	5072.9
10/02/2020 22:41	5.4	4.1	992.8	919.6	12.6	5072.9
10/02/2020 22:56	5.4	4.2	993.4	919.6	12.6	5072.9

10/02/2020 23:11	5.4	4.3	993.3	919.6	12.6	5072.9
10/02/2020 23:26	5.4	4.3	993.7	919.6	12.6	5072.9
10/02/2020 23:41	5.4	4.3	993.6	919.7	12.6	5072.4
10/02/2020 23:56	5.4	4.2	993.9	919.6	12.6	5072.9
11/02/2020 00:11	5.4	4.2	993.9	919.6	12.6	5072.9
11/02/2020 00:26	5.4	4.2	993.3	919.6	12.6	5072.9
11/02/2020 00:41	5.4	4.3	993.9	919.6	12.6	5072.9
11/02/2020 00:56	5.4	4.3	993.5	919.5	12.6	5073.3
11/02/2020 01:11	5.4	4.3	994.3	919.6	12.6	5072.9
11/02/2020 01:26	5.4	4.3	993.9	919.6	12.6	5072.9
11/02/2020 01:41	5.4	4.4	994	919.6	12.6	5072.9
11/02/2020 01:56	5.4	4.4	994.2	919.6	12.6	5072.9
11/02/2020 02:11	5.4	4.4	994.4	919.6	12.6	5072.9
11/02/2020 02:26	5.4	4.4	994.5	919.6	12.6	5072.9
11/02/2020 02:41	5.4	4.4	994.3	919.8	12.6	5072
11/02/2020 02:56	5.4	4.4	994.7	919.8	12.6	5072
11/02/2020 03:11	5.4	4.4	994.5	919.7	12.6	5072.4
11/02/2020 03:26	5.4	4.4	994.7	919.6	12.6	5072.9
11/02/2020 03:41	5.4	4.4	994.8	919.7	12.6	5072.4
11/02/2020 03:56	5.4	4.4	994.9	919.6	12.6	5072.9
11/02/2020 04:11	5.4	4.5	995	919.6	12.6	5072.9
11/02/2020 04:26	5.4	4.4	995.3	919.5	12.6	5073.3
11/02/2020 04:41	5.4	4.4	995.7	919.5	12.6	5073.3
11/02/2020 04:56	5.4	4.3	995.9	919.6	12.6	5072.9
11/02/2020 05:11	5.4	4.3	995.9	919.6	12.6	5072.9
11/02/2020 05:26	5.4	4.3	996.1	919.6	12.6	5072.9
11/02/2020 05:41	5.4	4.3	996.5	919.6	12.6	5072.9
11/02/2020 05:56	5.4	4.3	996.6	919.5	12.6	5073.3
11/02/2020 06:11	5.4	4.2	996.4	919.7	12.6	5072.4
11/02/2020 06:26	5.4	4.2	996.5	919.6	12.6	5072.9
11/02/2020 06:41	5.4	4.1	996.8	919.8	12.6	5072
11/02/2020 06:56	5.4	4.1	997.4	919.8	12.6	5072
11/02/2020 07:11	5.4	4.1	997	919.7	12.6	5072.4
11/02/2020 07:26	5.4	4.2	997.1	919.8	12.6	5072
11/02/2020 07:41	5.4	4.4	997.5	919.6	12.6	5072.9
11/02/2020 07:56	5.4	5	997.6	919.6	12.6	5072.9
11/02/2020 08:11	5.4	5.7	997.5	919.6	12.6	5072.9
11/02/2020 08:26	5.4	6.4	997.5	919.6	12.6	5072.9
11/02/2020 08:41	5.4	7.1	998.1	919.6	12.6	5072.9
11/02/2020 08:56	5.4	7.8	998	919.6	12.6	5072.9
11/02/2020 09:11	5.4	8.5	998.1	919.6	12.6	5072.9
11/02/2020 09:26	5.4	9.1	998.6	919.6	12.6	5072.9
11/02/2020 09:41	5.4	9.5	998.4	919.6	12.6	5072.9
11/02/2020 09:56	5.4	9.7	998.3	919.8	12.6	5072
11/02/2020 10:11	5.4	9.6	998.7	919.7	12.6	5072.4
11/02/2020 10:26	5.4	9.2	999.1	919.8	12.6	5072
11/02/2020 10:41	5.4	8.9	999.1	919.8	12.6	5072
11/02/2020 10:56	5.4	8.5	999.5	919.8	12.6	5072
11/02/2020 11:11	5.4	8.6	999.8	919.8	12.6	5071.5
11/02/2020 11:26	5.4	9	999.8	919.8	12.6	5071.5

11/02/2020 11:41	5.4	9.6	999.6	919.8	12.6	5071.5
11/02/2020 11:56	5.4	10.1	999.6	919.8	12.6	5071.5
11/02/2020 12:11	5.4	10.7	999.7	919.8	12.6	5071.5
11/02/2020 12:26	5.4	10.9	999.8	919.8	12.6	5071.5
11/02/2020 12:41	5.4	10.4	1000.2	919.8	12.6	5071.5
11/02/2020 12:56	5.4	10.3	1000.3	919.8	12.6	5072
11/02/2020 13:11	5.4	10.5	999.8	919.8	12.6	5072
11/02/2020 13:26	5.4	10.7	1000.4	919.8	12.6	5072
11/02/2020 13:41	5.4	10.6	1000.3	919.7	12.6	5072.4
11/02/2020 13:56	5.4	9.5	1000.7	919.7	12.6	5072.4
11/02/2020 14:11	5.4	9	1000.5	919.6	12.6	5072.9
11/02/2020 14:26	5.4	8.7	1000.4	919.6	12.6	5072.9
11/02/2020 14:41	5.4	9.6	1000.8	919.6	12.6	5072.9
11/02/2020 14:56	5.4	10.1	1000.8	919.6	12.6	5072.9
11/02/2020 15:11	5.4	9.1	1001.1	919.6	12.6	5072.9
11/02/2020 15:26	5.4	8.5	1001.4	919.6	12.6	5072.9
11/02/2020 15:41	5.4	7.8	1001.6	919.6	12.6	5072.9
11/02/2020 15:56	5.4	7.4	1001.9	919.6	12.6	5072.9
11/02/2020 16:11	5.4	7.4	1002	919.6	12.6	5072.9
11/02/2020 16:26	5.4	7	1002.2	919.7	12.6	5072.4
11/02/2020 16:41	5.4	6.7	1002.3	919.7	12.6	5072.4
11/02/2020 16:56	5.4	6.3	1002.7	919.6	12.6	5072.9
11/02/2020 17:11	5.4	6.1	1002.4	919.7	12.6	5072.4
11/02/2020 17:26	5.4	5.8	1003.1	919.6	12.6	5072.9
11/02/2020 17:41	5.4	5.6	1003.1	919.6	12.6	5072.9
11/02/2020 17:56	5.4	5.3	1003.4	919.6	12.6	5072.9
11/02/2020 18:11	5.4	5	1003.8	919.6	12.6	5072.9
11/02/2020 18:26	5.4	4.8	1003.7	919.6	12.6	5072.9
11/02/2020 18:41	5.4	4.6	1003.5	919.6	12.6	5072.9
11/02/2020 18:56	5.4	4.5	1003.9	919.6	12.6	5072.9
11/02/2020 19:11	5.4	4.5	1003.7	919.6	12.6	5072.9
11/02/2020 19:26	5.4	4.5	1003.5	919.6	12.6	5072.9
11/02/2020 19:41	5.4	4.7	1003.5	919.7	12.6	5072.4
11/02/2020 19:56	5.4	4.8	1003.6	919.6	12.6	5072.9
11/02/2020 20:11	5.4	4.7	1004.3	919.6	12.6	5072.9
11/02/2020 20:26	5.4	4.6	1004.1	919.8	12.6	5072
11/02/2020 20:41	5.4	4.6	1004.2	919.7	12.6	5072.4
11/02/2020 20:56	5.4	4.6	1004.1	919.7	12.6	5072.4
11/02/2020 21:11	5.4	4.5	1004	919.7	12.6	5072.4
11/02/2020 21:26	5.4	4.4	1004.4	919.8	12.6	5072
11/02/2020 21:41	5.4	4.3	1004.6	919.8	12.6	5071.5
11/02/2020 21:56	5.4	4.2	1004.6	919.8	12.6	5071.5
11/02/2020 22:11	5.4	4.2	1004.5	919.9	12.6	5071.1
11/02/2020 22:26	5.4	4.1	1004.5	919.9	12.6	5071.1
11/02/2020 22:41	5.4	4.1	1004.6	920	12.6	5070.6
11/02/2020 22:56	5.4	4	1004.9	919.9	12.6	5071.1
11/02/2020 23:11	5.4	3.9	1005.3	920	12.6	5070.6
11/02/2020 23:26	5.4	3.8	1005	920	12.6	5070.6
11/02/2020 23:41	5.4	3.7	1005.2	919.9	12.6	5071.1
11/02/2020 23:56	5.4	3.6	1005.5	919.9	12.6	5071.1

12/02/2020 00:11	5.4	3.6	1005.2	919.9	12.6	5071.1
12/02/2020 00:26	5.4	3.6	1005.3	919.9	12.6	5071.1
12/02/2020 00:41	5.4	3.5	1005.4	919.9	12.6	5071.1
12/02/2020 00:56	5.4	3.5	1005.3	919.9	12.6	5071.1
12/02/2020 01:11	5.4	3.5	1005.3	919.8	12.6	5071.5
12/02/2020 01:26	5.4	3.4	1005.2	919.8	12.6	5071.5
12/02/2020 01:41	5.4	3.3	1005.4	919.8	12.6	5071.5
12/02/2020 01:56	5.4	3.3	1005.4	919.8	12.6	5072
12/02/2020 02:11	5.4	3.3	1005.7	919.8	12.6	5072
12/02/2020 02:26	5.4	3.2	1005.8	919.7	12.6	5072.4
12/02/2020 02:41	5.4	3.1	1005.2	919.6	12.6	5072.9
12/02/2020 02:56	5.4	3.1	1005.7	919.6	12.6	5072.9
12/02/2020 03:11	5.4	3	1005.9	919.6	12.6	5072.9
12/02/2020 03:26	5.4	3	1006.2	919.5	12.6	5073.3
12/02/2020 03:41	5.4	2.9	1006.1	919.6	12.6	5072.9
12/02/2020 03:56	5.4	2.8	1006.2	919.6	12.6	5072.9
12/02/2020 04:11	5.4	2.8	1006.7	919.6	12.6	5072.9
12/02/2020 04:26	5.4	2.6	1006.7	919.7	12.6	5072.4
12/02/2020 04:41	5.4	2.5	1006.5	919.6	12.6	5072.9
12/02/2020 04:56	5.4	2.5	1006.6	919.7	12.6	5072.4
12/02/2020 05:11	5.4	2.5	1006.8	919.6	12.6	5072.9
12/02/2020 05:26	5.4	2.5	1006.7	919.6	12.6	5072.9
12/02/2020 05:41	5.4	2.5	1006.8	919.6	12.6	5072.9
12/02/2020 05:56	5.4	2.4	1006.9	919.7	12.6	5072.4
12/02/2020 06:11	5.4	2.4	1007.2	919.7	12.6	5072.4
12/02/2020 06:26	5.4	2.4	1007.1	919.7	12.6	5072.4
12/02/2020 06:41	5.4	2.3	1007.5	919.6	12.6	5072.9
12/02/2020 06:56	5.4	2.3	1007.4	919.7	12.6	5072.4
12/02/2020 07:11	5.4	2.3	1007.4	919.6	12.6	5072.9
12/02/2020 07:26	5.4	2.3	1007.5	919.7	12.6	5072.4
12/02/2020 07:41	5.4	2.5	1007.7	919.6	12.6	5072.9
12/02/2020 07:56	5.4	3.4	1007.8	919.6	12.6	5072.9
12/02/2020 08:11	5.4	4.5	1007.6	919.6	12.6	5072.9
12/02/2020 08:26	5.4	5.6	1007.9	919.6	12.6	5072.9
12/02/2020 08:41	5.4	6.4	1008.1	919.7	12.6	5072.4
12/02/2020 08:56	5.4	7.3	1008.4	919.8	12.6	5072
12/02/2020 09:11	5.4	8.2	1008.4	919.7	12.6	5072.4
12/02/2020 09:26	5.4	8.9	1008.4	919.8	12.6	5072
12/02/2020 09:41	5.4	9.7	1008.5	919.8	12.6	5071.5
12/02/2020 09:56	5.4	10.3	1008.3	919.8	12.6	5071.5
12/02/2020 10:11	5.4	10.4	1008.4	919.9	12.6	5071.1
12/02/2020 10:26	5.4	9.9	1008.9	919.9	12.6	5071.1
12/02/2020 10:41	5.4	9.2	1009.3	919.9	12.6	5071.1
12/02/2020 10:56	5.4	8.8	1008.9	920.1	12.6	5070.2
12/02/2020 11:11	5.4	9	1009.1	920.1	12.6	5070.2
12/02/2020 11:26	5.4	9.6	1009.3	920.1	12.6	5070.2
12/02/2020 11:41	5.4	10.6	1009.2	920.1	12.6	5070.2
12/02/2020 11:56	5.4	11.6	1009.2	920.1	12.6	5070.2
12/02/2020 12:11	5.4	11.8	1009.3	920.2	12.6	5069.7
12/02/2020 12:26	5.4	11.2	1009.5	920.2	12.6	5069.7

12/02/2020 12:41	5.4	11	1009.7	920.2	12.6	5069.7
12/02/2020 12:56	5.4	10	1009.8	920.2	12.6	5069.7
12/02/2020 13:11	5.4	10.8	1009.5	920.2	12.6	5069.7
12/02/2020 13:26	5.4	11.4	1009.5	920.2	12.6	5069.7
12/02/2020 13:41	5.4	10.8	1009.8	920.3	12.6	5069.3
12/02/2020 13:56	5.4	10.9	1009.8	920.1	12.6	5070.2
12/02/2020 14:11	5.4	11.4	1009.3	920.1	12.6	5070.2
12/02/2020 14:26	5.4	11.6	1009.9	920	12.6	5070.6
12/02/2020 14:41	5.4	12.1	1009.8	919.9	12.6	5071.1
12/02/2020 14:56	5.4	12.6	1009.8	919.8	12.6	5071.5
12/02/2020 15:11	5.4	12.8	1009.9	919.9	12.6	5071.1
12/02/2020 15:26	5.4	12.6	1010	919.8	12.6	5072
12/02/2020 15:41	5.4	12.2	1010.2	919.8	12.6	5072
12/02/2020 15:56	5.4	11.4	1009.7	919.7	12.6	5072.4
12/02/2020 16:11	5.4	10.4	1009.8	919.7	12.6	5072.4
12/02/2020 16:26	5.4	9.2	1010.4	919.6	12.6	5072.9
12/02/2020 16:41	5.4	8.2	1010.6	919.6	12.6	5072.9
12/02/2020 16:56	5.4	7.5	1010.4	919.6	12.6	5072.9
12/02/2020 17:11	5.4	6.8	1010.8	919.6	12.6	5072.9
12/02/2020 17:26	5.4	6.2	1010.5	919.6	12.6	5072.9
12/02/2020 17:41	5.4	5.5	1010.9	919.5	12.6	5073.3
12/02/2020 17:56	5.4	5	1010.8	919.6	12.6	5072.9
12/02/2020 18:11	5.4	4.6	1011	919.6	12.6	5072.9
12/02/2020 18:26	5.4	4.2	1011	919.6	12.6	5072.9
12/02/2020 18:41	5.4	3.7	1010.8	919.6	12.6	5072.9
12/02/2020 18:56	5.4	3.5	1010.6	919.6	12.6	5072.9
12/02/2020 19:11	5.4	3.2	1010.4	919.6	12.6	5072.9
12/02/2020 19:26	5.4	3.1	1010.5	919.6	12.6	5072.9
12/02/2020 19:41	5.4	2.9	1010.5	919.6	12.6	5072.9
12/02/2020 19:56	5.4	3	1010.4	919.7	12.6	5072.4
12/02/2020 20:11	5.4	3.2	1010.4	919.8	12.6	5072
12/02/2020 20:26	5.4	3.4	1009.8	919.7	12.6	5072.4
12/02/2020 20:41	5.4	3.6	1009.6	919.8	12.6	5072
12/02/2020 20:56	5.4	3.8	1009.8	919.8	12.6	5072
12/02/2020 21:11	5.4	4	1009.5	919.8	12.6	5072
12/02/2020 21:26	5.4	4.1	1009.3	919.8	12.6	5071.5
12/02/2020 21:41	5.4	4.2	1009.2	919.8	12.6	5071.5
12/02/2020 21:56	5.4	4.3	1008.8	919.8	12.6	5071.5
12/02/2020 22:11	5.4	4.5	1008.3	919.8	12.6	5071.5
12/02/2020 22:26	5.4	4.7	1008.2	919.9	12.6	5071.1
12/02/2020 22:41	5.4	4.8	1007.8	919.9	12.6	5071.1
12/02/2020 22:56	5.4	5.1	1007.7	919.9	12.6	5071.1
12/02/2020 23:11	5.4	5.4	1007.1	919.9	12.6	5071.1
12/02/2020 23:26	5.4	5.8	1007.2	920	12.6	5070.6
12/02/2020 23:41	5.4	5.9	1006.6	920	12.6	5070.6
12/02/2020 23:56	5.4	6.1	1006.2	919.9	12.6	5071.1
13/02/2020 00:11	5.4	6.2	1005.8	919.9	12.6	5071.1
13/02/2020 00:26	5.4	6.2	1005.5	919.9	12.6	5071.1
13/02/2020 00:41	5.4	6.1	1005.2	919.8	12.6	5071.5
13/02/2020 00:56	5.4	6.1	1004.5	919.8	12.6	5071.5

13/02/2020 01:11	5.4	6.2	1004.2	919.8	12.6	5072
13/02/2020 01:26	5.4	6.2	1003.8	919.8	12.6	5072
13/02/2020 01:41	5.4	6.2	1003	919.8	12.6	5072
13/02/2020 01:56	5.4	6.3	1002.7	919.7	12.6	5072.4
13/02/2020 02:11	5.4	6.6	1002	919.8	12.6	5072
13/02/2020 02:26	5.4	6.8	1001.6	919.6	12.6	5072.9
13/02/2020 02:41	5.4	6.9	1000.9	919.6	12.6	5072.9
13/02/2020 02:56	5.4	7	1000.2	919.7	12.6	5072.4
13/02/2020 03:11	5.4	7.1	999.6	919.6	12.6	5072.9
13/02/2020 03:26	5.4	7.1	999.1	919.6	12.6	5072.9
13/02/2020 03:41	5.4	7.1	998.4	919.6	12.6	5072.9
13/02/2020 03:56	5.4	7.1	998	919.8	12.6	5072
13/02/2020 04:11	5.4	7.1	997.5	919.7	12.6	5072.4
13/02/2020 04:26	5.4	7	996.6	919.7	12.6	5072.4
13/02/2020 04:41	5.4	6.8	996.2	919.6	12.6	5072.9
13/02/2020 04:56	5.4	6.5	995.5	919.6	12.6	5072.9
13/02/2020 05:11	5.4	6.4	994.5	919.6	12.6	5072.9
13/02/2020 05:26	5.4	6.3	994	919.5	12.6	5073.3
13/02/2020 05:41	5.4	6.3	993.4	919.4	12.6	5073.8
13/02/2020 05:56	5.4	6.3	992.7	919.2	12.6	5074.7
13/02/2020 06:11	5.4	6.2	992	919.1	12.6	5075.1
13/02/2020 06:26	5.4	6.1	991.7	919	12.6	5075.6
13/02/2020 06:41	5.4	6.2	991	918.9	12.6	5076
13/02/2020 06:56	5.4	6.2	990.7	919.1	12.6	5075.1
13/02/2020 07:11	5.4	6.3	990.2	919	12.6	5075.6
13/02/2020 07:26	5.4	6.4	988.6	918.9	12.6	5076
13/02/2020 07:41	5.4	6.5	988.1	918.8	12.6	5076.5
13/02/2020 07:56	5.4	6.7	988.1	918.9	12.6	5076
13/02/2020 08:11	5.4	7	988.1	919.1	12.6	5075.1
13/02/2020 08:26	5.4	7.2	988.1	919.1	12.6	5075.1
13/02/2020 08:41	5.4	7.3	988.3	919.2	12.6	5074.7
13/02/2020 08:56	5.4	7.7	988.4	919.3	12.6	5074.2
13/02/2020 09:11	5.4	9	988.2	919.3	12.6	5074.2
13/02/2020 09:26	5.4	10.3	988.5	919.4	12.6	5073.8
13/02/2020 09:41	5.4	11.1	988.5	919.5	12.6	5073.3
13/02/2020 09:56	5.4	11.8	987.8	919.4	12.6	5073.8
13/02/2020 10:11	5.4	11.9	987.8	919.6	12.6	5072.9
13/02/2020 10:26	5.4	11.2	987.9	919.6	12.6	5072.9
13/02/2020 10:41	5.4	11.1	987.7	919.5	12.6	5073.3
13/02/2020 10:56	5.4	10.9	987.4	919.6	12.6	5072.9
13/02/2020 11:11	5.4	10.5	987.6	919.6	12.6	5072.9
13/02/2020 11:26	5.4	11	987.3	919.7	12.6	5072.4
13/02/2020 11:41	5.4	12.3	987.6	919.7	12.6	5072.4
13/02/2020 11:56	5.4	12.2	987.5	919.8	12.6	5072
13/02/2020 12:11	5.4	12.4	987.3	919.6	12.6	5072.9
13/02/2020 12:26	5.4	12.3	987.3	919.7	12.6	5072.4
13/02/2020 12:41	5.4	11.7	987.3	919.7	12.6	5072.4
13/02/2020 12:56	5.4	11	987.5	919.6	12.6	5072.9
13/02/2020 13:11	5.4	10.5	987.2	919.6	12.6	5072.9
13/02/2020 13:26	5.4	10.4	986.9	919.7	12.6	5072.4

13/02/2020 13:41	5.4	10.4	987.5	919.7	12.6	5072.4
13/02/2020 13:56	5.4	10.4	987.7	919.6	12.6	5072.9
13/02/2020 14:11	5.4	10.4	987.7	919.6	12.6	5072.9
13/02/2020 14:26	5.4	10.7	988	919.6	12.6	5072.9
13/02/2020 14:41	5.4	11	988	919.7	12.6	5072.4
13/02/2020 14:56	5.4	11	988.4	919.7	12.6	5072.4
13/02/2020 15:11	5.4	11.5	988.6	919.6	12.6	5072.9
13/02/2020 15:26	5.4	11.8	988.9	919.7	12.6	5072.4
13/02/2020 15:41	5.4	12.5	989.3	919.7	12.6	5072.4
13/02/2020 15:56	5.4	12	989.9	919.7	12.6	5072.4
13/02/2020 16:11	5.4	10.8	990.7	919.6	12.6	5072.9
13/02/2020 16:26	5.4	9.6	991.3	919.7	12.6	5072.4
13/02/2020 16:41	5.4	8.7	991.6	919.7	12.6	5072.4
13/02/2020 16:56	5.4	8.1	992	919.6	12.6	5072.9
13/02/2020 17:11	5.4	7.5	993	919.6	12.6	5072.9
13/02/2020 17:26	5.4	7.1	993.6	919.7	12.6	5072.4
13/02/2020 17:41	5.4	7.1	994.3	919.7	12.6	5072.4
13/02/2020 17:56	5.4	6.9	995.1	919.6	12.6	5072.9
13/02/2020 18:11	5.4	6.7	995.5	919.6	12.6	5072.9
13/02/2020 18:26	5.4	6.5	995.8	919.8	12.6	5072
13/02/2020 18:41	5.4	6.3	996.5	919.6	12.6	5072.9
13/02/2020 18:56	5.4	6.3	997.1	919.8	12.6	5072
13/02/2020 19:11	5.4	6.5	997.7	919.6	12.6	5072.9
13/02/2020 19:26	5.4	6.5	997.6	919.6	12.6	5072.9
13/02/2020 19:41	5.4	6.4	998.3	919.8	12.6	5072
13/02/2020 19:56	5.4	6.3	998.8	919.8	12.6	5072
13/02/2020 20:11	5.4	6	999.3	919.6	12.6	5072.9
13/02/2020 20:26	5.4	5.7	1000	919.6	12.6	5072.9
13/02/2020 20:41	5.4	5.7	1000.7	919.6	12.6	5072.9
13/02/2020 20:56	5.4	5.8	1001.1	919.5	12.6	5073.3
13/02/2020 21:11	5.4	5.9	1001.3	919.6	12.6	5072.9
13/02/2020 21:26	5.4	6	1002	919.6	12.6	5072.9
13/02/2020 21:41	5.4	6.1	1002.2	919.6	12.6	5072.9
13/02/2020 21:56	5.4	6.1	1002.8	919.6	12.6	5072.9
13/02/2020 22:11	5.4	6.1	1003.3	919.6	12.6	5072.9
13/02/2020 22:26	5.4	6.2	1004	919.6	12.6	5072.9
13/02/2020 22:41	5.4	6.3	1004.7	919.7	12.6	5072.4
13/02/2020 22:56	5.4	6.4	1004.8	919.8	12.6	5072
13/02/2020 23:11	5.4	6.5	1005.2	919.8	12.6	5071.5
13/02/2020 23:26	5.4	6.4	1005.5	919.9	12.6	5071.1
13/02/2020 23:41	5.4	6.4	1006	919.9	12.6	5071.1
13/02/2020 23:56	5.4	6.4	1006.4	920	12.6	5070.6
14/02/2020 00:11	5.4	6.4	1007	920.1	12.6	5070.2
14/02/2020 00:26	5.4	6.3	1007.4	920.1	12.6	5070.2
14/02/2020 00:41	5.4	6.3	1007.7	920.2	12.6	5069.7
14/02/2020 00:56	5.4	6.3	1008.2	920.2	12.6	5069.7
14/02/2020 01:11	5.4	6.3	1008.2	920.1	12.6	5070.2
14/02/2020 01:26	5.4	6.3	1008.7	920.1	12.6	5070.2
14/02/2020 01:41	5.4	6.4	1008.9	920.1	12.6	5070.2
14/02/2020 01:56	5.4	6.4	1009.4	920.1	12.6	5070.2

14/02/2020 02:11	5.4	6.4	1009.2	920	12.6	5070.6
14/02/2020 02:26	5.4	6.4	1009.7	920	12.6	5070.6
14/02/2020 02:41	5.4	6.3	1009.5	920	12.6	5070.6
14/02/2020 02:56	5.4	6.3	1009.8	920	12.6	5070.6
14/02/2020 03:11	5.4	6.3	1010.3	920	12.6	5070.6
14/02/2020 03:26	5.4	6.2	1010.6	920	12.6	5070.6
14/02/2020 03:41	5.4	6.2	1010.7	919.9	12.6	5071.1
14/02/2020 03:56	5.4	6.1	1011.1	919.8	12.6	5071.5
14/02/2020 04:11	5.4	6.1	1011.5	919.8	12.6	5071.5
14/02/2020 04:26	5.4	6.1	1011.8	919.8	12.6	5072
14/02/2020 04:41	5.4	6	1012	919.8	12.6	5072
14/02/2020 04:56	5.4	6	1012.3	919.7	12.6	5072.4
14/02/2020 05:11	5.4	6	1012.6	919.7	12.6	5072.4
14/02/2020 05:26	5.4	5.9	1012.5	919.6	12.6	5072.9
14/02/2020 05:41	5.4	5.9	1012.7	919.6	12.6	5072.9
14/02/2020 05:56	5.4	5.9	1012.9	919.6	12.6	5072.9
14/02/2020 06:11	5.4	5.8	1013.3	919.6	12.6	5072.9
14/02/2020 06:26	5.4	5.8	1013.5	919.6	12.6	5072.9
14/02/2020 06:41	5.4	5.7	1013.6	919.6	12.6	5072.9
14/02/2020 06:56	5.4	5.6	1013.8	919.6	12.6	5072.9
14/02/2020 07:11	5.4	5.5	1014.2	919.6	12.6	5072.9
14/02/2020 07:26	5.4	5.5	1014.4	919.6	12.6	5072.9
14/02/2020 07:41	5.4	5.6	1014.6	919.6	12.6	5072.9
14/02/2020 07:56	5.4	5.8	1014.5	919.6	12.6	5072.9
14/02/2020 08:11	5.4	6	1014.5	919.6	12.6	5072.9
14/02/2020 08:26	5.4	6.2	1014.8	919.6	12.6	5072.9
14/02/2020 08:41	5.4	6.4	1014.4	919.6	12.6	5072.9

GEOSENSE QUALITY FORM	
FORM No G/QF/149	
ISS.	7
DATE :	Jan-16
SIG.	GC

GEOSENSE

JCBH2019_7

STANDARD VW PIEZOMETER LAE CALIBRATION

Model	VWP-3000	Cal date	05/01/2017	SN.	8233
Serial	341958	Baro	1027.8	Readout No.	2108
Works ID	G3 5 83	Temp °C	20	R/O Cal. date	18/04/2016

Applied pressure		Readings [digit]			Calculated Pressure		Error % fso	
psi	kPa	1 up	1 down	avg.[digit]	lin.[kPa]	polyn.[kPa]	linear	polynomial
0.000	0.000	9438.7	9438.8	9438.8	1.20	0.21	0.12%	0.02%
30.167	208.000	8449.2	8448.7	8449.0	207.59	207.78	-0.04%	-0.02%
60.334	416.000	7455.7	7453.9	7454.8	414.89	415.69	-0.11%	-0.03%
90.500	624.000	6456.3	6453.9	6455.1	623.34	624.14	-0.06%	0.01%
120.667	832.000	5454.0	5452.2	5453.1	832.27	832.47	0.03%	0.05%
150.834	1040.000	4454.0	4452.9	4453.5	1040.70	1039.71	0.07%	-0.03%

Calibration of Fluke Pressure Controller PPC4EX S/N: 8233 valid from 9th March 2016. Certificate of Calibration No 4160291, Issued by Minerva Metrology and Calibration (ILAC RVA No K048)

CALIBRATION FACTORS

Linear factor (k)

kPa per digit	psi per digit	mH_2O per digit
-0.208512663	-0.030241	-0.021262

Polynomial factors

	kPa	psi	mH_2O
A	-3.00962E-07	-4.36493E-08	-3.0690E-08
B	-0.20433164	-0.029635	-0.020836
C			

Thermal factor (T)

kPa per °C	psi per °C	mH_2O per °C
0.006497221	0.000942309	0.000663

Note: Digits are $Hz^2 \times 10^{-3}$ units.

(please consult the User Manuals for conversion of alternative reading units)

Polynomial calculation [kPa] = A * (Reading)^2 + B * (Reading) + C + T * (Current Temp - Site Zero Temp)

C = -A*(Site Zero Reading²) - B*(Site Zero Reading)

Linear calc = k (kPa) * (Current Reading - Site Zero Reading) + T * (Current Temp - Site Zero Temp)

GEOSENSE CERTIFIED ISO 9001 :2015

THIS CERTIFICATE IS VALID ONLY WHEN CARRYING THE OFFICIAL ORIGINAL STAMP OF GEOSENSE BELOW

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LINX 1ch v.2.0.1

Vibrating Wire Conversion: Polynomial
Temperature Conversion: Celsius

Calibration Factors	Channel 1
Sensorname	CV GS
Model	VWP-3000
Serial	201707
Baro	1021.8
TempatCal	20
LinFactor	-0.30903
ConstA	-1.3E-06
ConstB	-0.28792
ConstC	
ConstT	0.331236
Sweepmin	800
Sweepmax	3500
Range	2700
Thermistor	3K
ZeroRdg	9848.9
ZeroT	10.1

Date/time	Vbatt	Temp.	Press.	Channel 1 ()	(°C)	CH1 Raw (Digits)
26/11/2019 13:04	6.2	17.4	992.9	936.5	13.6	6822
26/11/2019 13:15	5.8	15	992.8	936.5	13.6	6822
26/11/2019 13:30	5.8	13.8	992.8	936.5	13.6	6822
26/11/2019 13:45	5.8	13.4	992.8	936.4	13.6	6822.5
26/11/2019 14:00	5.8	13.1	992.7	936.4	13.6	6822.5
26/11/2019 14:15	5.8	13.1	992.4	936.2	13.6	6823.1
26/11/2019 14:30	5.8	13.1	992.1	936.2	13.6	6823.1
26/11/2019 14:45	5.8	13.2	992.1	936.4	13.6	6822.5
26/11/2019 15:00	5.8	13.2	992.2	936.1	13.6	6823.6
26/11/2019 15:15	5.8	13.1	992	936.2	13.6	6823.1
26/11/2019 15:30	5.8	12.9	991.9	936.2	13.6	6823.1
26/11/2019 15:45	5.8	12.8	991.9	936.1	13.6	6823.6
26/11/2019 16:00	5.8	12.7	992	936.2	13.6	6823.1
26/11/2019 16:15	5.8	12.6	992.1	936.1	13.6	6823.6
26/11/2019 16:30	5.8	12.5	992	936.2	13.6	6823.1
26/11/2019 16:45	5.8	12.4	991.9	936.1	13.6	6823.6
26/11/2019 17:00	5.8	12.3	991.8	936.2	13.6	6823.1
26/11/2019 17:15	5.8	12.3	991.4	936.1	13.6	6823.6
26/11/2019 17:30	5.8	12.2	991.3	936.1	13.6	6823.6
26/11/2019 17:45	5.8	12	991.7	936.2	13.6	6823.1
26/11/2019 18:00	5.8	11.9	991.5	936.2	13.6	6823.1
26/11/2019 18:15	5.8	11.8	991.4	936.4	13.6	6822.5
26/11/2019 18:30	5.8	11.6	991.4	936.2	13.6	6823.1
26/11/2019 18:45	5.8	11.5	991.7	936.2	13.6	6823.1
26/11/2019 19:00	5.8	11.4	991.1	936.4	13.6	6822.5

26/11/2019 19:15	5.8	11.4	991.3	936.4	13.6	6822.5
26/11/2019 19:30	5.8	11.3	991.2	936.4	13.6	6822.5
26/11/2019 19:45	5.8	11.2	991.1	936.4	13.6	6822.5
26/11/2019 20:00	5.8	11.2	991.1	936.4	13.6	6822.5
26/11/2019 20:15	5.8	11.4	991	936.4	13.6	6822.5
26/11/2019 20:30	5.8	11.4	991	936.5	13.6	6822
26/11/2019 20:45	5.8	11.5	990.7	936.4	13.6	6822.5
26/11/2019 21:00	5.8	11.4	990.6	936.5	13.6	6822
26/11/2019 21:15	5.8	11.4	990.2	936.5	13.6	6822
26/11/2019 21:30	5.8	11.3	990.2	936.4	13.6	6822.5
26/11/2019 21:45	5.8	11.3	989.9	936.5	13.5	6822
26/11/2019 22:00	5.8	11.3	989.8	936.5	13.6	6822
26/11/2019 22:15	5.8	11.3	989.6	936.5	13.5	6822
26/11/2019 22:30	5.8	11.3	989.2	936.4	13.5	6822.5
26/11/2019 22:45	5.8	11.4	989	936.5	13.5	6822
26/11/2019 23:00	5.8	11.5	989	936.4	13.5	6822.5
26/11/2019 23:15	5.8	11.6	988.7	936.4	13.5	6822.5
26/11/2019 23:30	5.8	11.7	988.5	936.4	13.5	6822.5
26/11/2019 23:45	5.8	11.8	988.3	936.4	13.5	6822.5
27/11/2019 00:00	5.8	11.9	988	936.2	13.5	6823.1
27/11/2019 00:15	5.8	11.9	987.4	936	13.5	6823.6
27/11/2019 00:30	5.8	11.8	987.5	936.2	13.5	6823.1
27/11/2019 00:45	5.8	11.8	987.5	936.2	13.5	6823.1
27/11/2019 01:00	5.8	11.9	987	936	13.5	6823.6
27/11/2019 01:15	5.8	11.8	987.1	936	13.5	6823.6
27/11/2019 01:30	5.8	11.8	986.5	936	13.5	6823.6
27/11/2019 01:45	5.8	11.7	986.2	936	13.5	6823.6
27/11/2019 02:00	5.8	11.6	985.7	936	13.5	6823.6
27/11/2019 02:15	5.8	11.6	985.6	935.9	13.5	6824.1
27/11/2019 02:30	5.8	11.6	985.2	935.9	13.5	6824.1
27/11/2019 02:45	5.8	11.6	984.6	935.7	13.5	6824.6
27/11/2019 03:00	5.8	11.7	984.5	935.7	13.5	6824.6
27/11/2019 03:15	5.8	11.7	984.3	935.5	13.5	6825.2
27/11/2019 03:30	5.8	11.7	984.1	935.7	13.5	6824.6
27/11/2019 03:45	5.8	11.7	983.7	935.7	13.5	6824.6
27/11/2019 04:00	5.8	11.7	983.5	935.7	13.5	6824.6
27/11/2019 04:15	5.8	11.6	983.3	935.7	13.5	6824.6
27/11/2019 04:30	5.8	11.6	982.9	935.7	13.5	6824.6
27/11/2019 04:45	5.8	11.5	982.5	935.7	13.5	6824.6
27/11/2019 05:00	5.8	11.4	981.7	935.7	13.5	6824.6
27/11/2019 05:15	5.8	11.4	981.8	935.7	13.5	6824.6
27/11/2019 05:30	5.8	11.4	981.5	935.7	13.5	6824.6
27/11/2019 05:45	5.8	11.4	981.3	935.7	13.5	6824.6
27/11/2019 06:00	5.8	11.4	980.8	935.5	13.5	6825.2
27/11/2019 06:15	5.8	11.4	980.6	935.7	13.5	6824.6
27/11/2019 06:30	5.8	11.4	980.2	935.7	13.5	6824.6
27/11/2019 06:45	5.8	11.4	980.2	935.9	13.5	6824.1
27/11/2019 07:00	5.8	11.4	980.3	936	13.5	6823.6
27/11/2019 07:15	5.8	11.3	980	935.7	13.5	6824.6
27/11/2019 07:30	5.8	11.3	980.6	936	13.5	6823.6

27/11/2019 07:45	5.8	11.2	980.5	936	13.5	6823.6
27/11/2019 08:00	5.8	11.2	980.9	935.9	13.5	6824.1
27/11/2019 08:15	5.8	11.1	980.5	936	13.5	6823.6
27/11/2019 08:30	5.8	11.1	980.5	936	13.5	6823.6
27/11/2019 08:45	5.8	11.2	980.5	936	13.4	6823.6
27/11/2019 09:00	5.8	11.1	981	936	13.4	6823.6
27/11/2019 09:15	5.8	11.1	980.8	936.2	13.4	6823.1
27/11/2019 09:30	5.8	11.1	980.6	936.2	13.4	6823.1
27/11/2019 09:45	5.8	11.1	980.9	936.2	13.4	6823.1
27/11/2019 10:00	5.8	11.2	980.8	936.2	13.5	6823.1
27/11/2019 10:15	5.8	11.2	980.9	936.3	13.4	6822.5
27/11/2019 10:30	5.8	11.2	980.5	936.2	13.4	6823.1
27/11/2019 10:45	5.8	11.3	980.5	936.3	13.4	6822.5
27/11/2019 11:00	5.8	11.4	980.4	936.2	13.4	6823.1
27/11/2019 11:15	5.8	11.5	980.7	936.2	13.4	6823.1
27/11/2019 11:30	5.8	11.7	980.3	936.2	13.4	6823.1
27/11/2019 11:45	5.8	11.9	980.5	936	13.4	6823.6
27/11/2019 12:00	5.8	12.4	980.1	936.3	13.4	6822.5
27/11/2019 12:15	5.8	13.4	980.1	936.2	13.4	6823.1
27/11/2019 12:30	5.8	14	979.9	936.2	13.4	6823.1
27/11/2019 12:45	5.8	14	979.9	936	13.4	6823.6
27/11/2019 13:00	5.8	13.9	979.6	936	13.4	6823.6
27/11/2019 13:15	5.8	13.7	979.7	936	13.4	6823.6
27/11/2019 13:30	5.8	13.7	979.4	935.8	13.4	6824.1
27/11/2019 13:45	5.8	13.6	979.7	935.8	13.4	6824.1
27/11/2019 14:00	5.8	13.1	979.4	935.7	13.4	6824.6
27/11/2019 14:15	5.8	12.8	979.5	935.7	13.4	6824.6
27/11/2019 14:30	5.8	12.3	979.2	935.7	13.4	6824.6
27/11/2019 14:45	5.8	11.7	979.3	935.7	13.4	6824.6
27/11/2019 15:00	5.8	11.2	979.2	935.7	13.4	6824.6
27/11/2019 15:15	5.8	10.7	979.3	935.5	13.4	6825.2
27/11/2019 15:30	5.8	10.3	979.1	935.5	13.4	6825.2
27/11/2019 15:45	5.8	9.9	978.9	935.5	13.4	6825.2
27/11/2019 16:00	5.8	9.8	979.1	935.4	13.4	6825.7
27/11/2019 16:15	5.8	9.7	978.8	935.4	13.4	6825.7
27/11/2019 16:30	5.8	9.7	978.7	935.4	13.4	6825.7
27/11/2019 16:45	5.8	9.7	978.7	935.4	13.4	6825.7
27/11/2019 17:00	5.8	9.7	978.8	935.4	13.4	6825.7
27/11/2019 17:15	5.8	9.6	978.8	935.4	13.4	6825.7
27/11/2019 17:30	5.8	9.5	979	935.4	13.4	6825.7
27/11/2019 17:45	5.8	9.5	978.8	935.4	13.4	6825.7
27/11/2019 18:00	5.8	9.5	979.2	935.4	13.4	6825.7
27/11/2019 18:15	5.8	9.4	979.1	935.5	13.4	6825.2
27/11/2019 18:30	5.8	9.4	979.2	935.5	13.4	6825.2
27/11/2019 18:45	5.8	9.1	979.7	935.5	13.4	6825.2
27/11/2019 19:00	5.9	9	979.8	935.7	13.4	6824.6
27/11/2019 19:15	5.8	9.1	979.8	935.7	13.4	6824.6
27/11/2019 19:30	5.8	9.1	979.8	935.7	13.4	6824.6
27/11/2019 19:45	5.8	9.1	979.9	935.7	13.4	6824.6
27/11/2019 20:00	5.9	9.1	980.1	935.7	13.4	6824.6

27/11/2019 20:15	5.9	9.2	980.5	935.5	13.4	6825.2
27/11/2019 20:30	5.8	9.3	980.7	936	13.4	6823.6
27/11/2019 20:45	5.8	9.4	980.9	935.8	13.4	6824.1
27/11/2019 21:00	5.8	9.5	981	936	13.4	6823.6
27/11/2019 21:15	5.8	9.6	981	936	13.4	6823.6
27/11/2019 21:30	5.8	9.7	981.2	936	13.4	6823.6
27/11/2019 21:45	5.8	9.7	981.2	936	13.4	6823.6
27/11/2019 22:00	5.8	9.7	981	936	13.4	6823.6
27/11/2019 22:15	5.8	9.7	981.5	936	13.4	6823.6
27/11/2019 22:30	5.8	9.6	981.7	936	13.4	6823.6
27/11/2019 22:45	5.8	9.6	981.7	936.1	13.4	6823.1
27/11/2019 23:00	5.8	9.6	981.9	936.1	13.4	6823.1
27/11/2019 23:15	5.8	9.5	982.2	936.1	13.4	6823.1
27/11/2019 23:30	5.8	9.5	982.3	936.1	13.4	6823.1
27/11/2019 23:45	5.8	9.5	982.4	936.1	13.4	6823.1
28/11/2019 00:00	5.8	9.5	982.4	936	13.4	6823.6
28/11/2019 00:15	5.8	9.5	982.5	936.1	13.4	6823.1
28/11/2019 00:30	5.8	9.5	982.5	936	13.4	6823.6
28/11/2019 00:45	5.8	9.5	982.6	936	13.4	6823.6
28/11/2019 01:00	5.8	9.5	982.6	936	13.4	6823.6
28/11/2019 01:15	5.8	9.5	982.8	936	13.4	6823.6
28/11/2019 01:30	5.8	9.4	982.8	936	13.4	6823.6
28/11/2019 01:45	5.8	9.4	983.1	935.7	13.4	6824.6
28/11/2019 02:00	5.9	9.4	983	936	13.4	6823.6
28/11/2019 02:15	5.8	9.4	983.4	936	13.4	6823.6
28/11/2019 02:30	5.8	9.4	983.4	935.8	13.4	6824.1
28/11/2019 02:45	5.8	9.4	983.2	935.7	13.4	6824.6
28/11/2019 03:00	5.8	9.4	983.5	935.7	13.4	6824.6
28/11/2019 03:15	5.8	9.3	983.6	935.7	13.4	6824.6
28/11/2019 03:30	5.8	9.3	983.7	935.7	13.4	6824.6
28/11/2019 03:45	5.9	9.3	983.5	935.7	13.4	6824.6
28/11/2019 04:00	5.9	9.3	983.8	935.7	13.4	6824.6
28/11/2019 04:15	5.9	9.3	983.6	935.7	13.4	6824.6
28/11/2019 04:30	5.9	9.3	983.9	935.7	13.4	6824.6
28/11/2019 04:45	5.9	9.3	984	935.7	13.4	6824.6
28/11/2019 05:00	5.9	9.2	984.1	935.7	13.4	6824.6
28/11/2019 05:15	5.9	9.2	984.3	935.7	13.4	6824.6
28/11/2019 05:30	5.9	9.2	984.7	935.7	13.4	6824.6
28/11/2019 05:45	5.9	9.1	984.8	935.7	13.4	6824.6
28/11/2019 06:00	5.9	9.1	985	935.7	13.4	6824.6
28/11/2019 06:15	5.9	9.1	985.2	935.8	13.4	6824.1
28/11/2019 06:30	5.9	9.1	985.6	936	13.4	6823.6
28/11/2019 06:45	5.9	9.1	985.7	936	13.4	6823.6
28/11/2019 07:00	5.8	9.1	985.9	936	13.4	6823.6
28/11/2019 07:15	5.9	9.1	985.9	936	13.4	6823.6
28/11/2019 07:30	5.8	9.1	986.1	936.1	13.4	6823.1
28/11/2019 07:45	5.9	9.2	986.4	936.1	13.4	6823.1
28/11/2019 08:00	5.8	9.2	986.9	936.3	13.4	6822.5
28/11/2019 08:15	5.8	9.3	987	936.1	13.4	6823.1
28/11/2019 08:30	5.8	9.3	987.2	936.3	13.4	6822.5

28/11/2019 08:45	5.8	9.4	987.3	936.1	13.4	6823.1
28/11/2019 09:00	5.8	9.5	988.1	936.3	13.4	6822.5
28/11/2019 09:15	5.8	9.6	988.1	936.3	13.4	6822.5
28/11/2019 09:30	5.8	9.7	988.7	936.5	13.4	6822
28/11/2019 09:45	5.8	9.9	988.8	936.5	13.4	6822
28/11/2019 10:00	5.8	10	989.2	936.5	13.4	6822
28/11/2019 10:15	5.8	10.1	989.7	936.5	13.4	6822
28/11/2019 10:30	5.8	10.2	989.8	936.6	13.4	6821.5
28/11/2019 10:45	5.8	10.3	990	936.6	13.4	6821.5
28/11/2019 11:00	5.8	10.5	989.8	936.6	13.4	6821.5
28/11/2019 11:15	5.8	10.7	990	936.6	13.4	6821.5
28/11/2019 11:30	5.8	10.8	990.3	936.6	13.4	6821.5
28/11/2019 11:45	5.8	10.8	990.5	936.6	13.4	6821.5
28/11/2019 12:00	5.8	10.9	990.8	936.6	13.4	6821.5
28/11/2019 12:15	5.8	11	990.8	936.8	13.4	6821
28/11/2019 12:30	5.8	11.1	991	936.6	13.4	6821.5
28/11/2019 12:45	5.8	11.2	991.2	936.6	13.4	6821.5
28/11/2019 13:00	5.8	11.4	991.9	936.6	13.4	6821.5
28/11/2019 13:15	5.8	11.4	992.1	936.6	13.4	6821.5
28/11/2019 13:30	5.8	11.4	992.2	936.8	13.4	6821
28/11/2019 13:45	5.8	11.5	992.7	936.6	13.4	6821.5
28/11/2019 14:00	5.8	11.5	992.8	936.6	13.4	6821.5
28/11/2019 14:15	5.8	11.5	993.1	936.6	13.4	6821.5
28/11/2019 14:30	5.8	11.4	993.2	936.6	13.4	6821.5
28/11/2019 14:45	5.8	11.4	993.7	936.5	13.4	6822
28/11/2019 15:00	5.8	11.2	994	936.4	13.3	6822
28/11/2019 15:15	5.8	10.9	994.3	936.3	13.3	6822.5
28/11/2019 15:30	5.8	10.7	994.5	936.3	13.4	6822.5
28/11/2019 15:45	5.8	10.4	995.1	936.3	13.3	6822.5
28/11/2019 16:00	5.8	10.1	995.1	936.3	13.3	6822.5
28/11/2019 16:15	5.8	9.8	995.5	936.4	13.3	6822
28/11/2019 16:30	5.8	9.6	995.8	936.3	13.4	6822.5
28/11/2019 16:45	5.8	9.5	996.2	936.4	13.3	6822
28/11/2019 17:00	5.8	9.4	996.2	936.3	13.3	6822.5
28/11/2019 17:15	5.8	9.4	996.7	936.6	13.3	6821.5
28/11/2019 17:30	5.8	9.3	996.8	936.4	13.3	6822
28/11/2019 17:45	5.8	9.3	997	936.4	13.3	6822
28/11/2019 18:00	5.8	9.1	997.4	936.6	13.3	6821.5
28/11/2019 18:15	5.8	8.9	997.5	936.4	13.3	6822
28/11/2019 18:30	5.9	8.8	998.1	936.4	13.3	6822
28/11/2019 18:45	5.9	8.7	998.2	936.6	13.3	6821.5
28/11/2019 19:00	5.9	8.6	998.6	936.6	13.3	6821.5
28/11/2019 19:15	5.9	8.5	998.9	936.6	13.3	6821.5
28/11/2019 19:30	5.9	8.4	999.2	936.8	13.3	6821
28/11/2019 19:45	5.9	8.3	999.4	936.6	13.3	6821.5
28/11/2019 20:00	5.9	8.2	999.9	936.8	13.3	6821
28/11/2019 20:15	5.9	8.1	1000.1	936.8	13.3	6821
28/11/2019 20:30	5.9	8	1000.2	936.9	13.3	6820.5
28/11/2019 20:45	5.9	7.9	1000.2	936.8	13.3	6821
28/11/2019 21:00	5.9	7.8	1000.8	936.9	13.3	6820.5

28/11/2019 21:15	5.9	7.6	1000.6	936.8	13.3	6821
28/11/2019 21:30	5.9	7.2	1001	936.8	13.3	6821
28/11/2019 21:45	5.9	6.8	1001.2	936.9	13.3	6820.5
28/11/2019 22:00	5.9	6.5	1001.7	937.1	13.3	6819.9
28/11/2019 22:15	5.9	6.2	1001.8	936.9	13.3	6820.5
28/11/2019 22:30	5.9	5.9	1002.1	937.1	13.3	6819.9
28/11/2019 22:45	5.9	5.6	1002.3	937.3	13.3	6819.4
28/11/2019 23:00	5.9	5.4	1002.5	937.1	13.3	6819.9
28/11/2019 23:15	5.9	5.3	1003	936.9	13.3	6820.5
28/11/2019 23:30	5.9	5.4	1003.2	937.3	13.3	6819.4
28/11/2019 23:45	5.9	5.6	1003.5	937.3	13.3	6819.4
29/11/2019 00:00	5.9	5.5	1003.5	937.3	13.3	6819.4
29/11/2019 00:15	5.9	5.4	1003.6	937.1	13.3	6819.9
29/11/2019 00:30	5.9	5.3	1003.7	937.1	13.3	6819.9
29/11/2019 00:45	5.9	5.2	1004.1	937.1	13.3	6819.9
29/11/2019 01:00	5.9	5.1	1004.1	937.3	13.3	6819.4
29/11/2019 01:15	5.9	5	1004.4	937.1	13.3	6819.9
29/11/2019 01:30	5.9	4.8	1004.5	937.3	13.3	6819.4
29/11/2019 01:45	5.9	4.6	1004.9	937.4	13.3	6818.9
29/11/2019 02:00	5.9	4.4	1005	937.3	13.3	6819.4
29/11/2019 02:15	5.9	4.2	1005.7	937.3	13.3	6819.4
29/11/2019 02:30	5.9	4	1005.6	936.9	13.3	6820.5
29/11/2019 02:45	5.9	3.9	1005.7	936.9	13.3	6820.5
29/11/2019 03:00	5.9	3.8	1005.9	936.9	13.3	6820.5
29/11/2019 03:15	5.9	3.7	1006.3	936.9	13.3	6820.5
29/11/2019 03:30	5.9	3.7	1006.2	936.8	13.3	6821
29/11/2019 03:45	5.9	3.5	1006.6	936.8	13.3	6821
29/11/2019 04:00	5.9	3.4	1006.9	936.9	13.3	6820.5
29/11/2019 04:15	5.9	3.2	1006.9	936.9	13.3	6820.5
29/11/2019 04:30	5.9	3	1007.1	936.9	13.3	6820.5
29/11/2019 04:45	5.9	2.9	1007.8	936.9	13.3	6820.5
29/11/2019 05:00	5.9	2.8	1007.8	936.6	13.3	6821.5
29/11/2019 05:15	5.9	2.8	1008	936.6	13.3	6821.5
29/11/2019 05:30	5.9	2.7	1008.1	937.3	13.3	6819.4
29/11/2019 05:45	5.9	2.7	1008.7	936.9	13.3	6820.5
29/11/2019 06:00	5.9	2.7	1008.6	936.8	13.3	6821
29/11/2019 06:15	5.9	2.8	1009.1	936.8	13.3	6821
29/11/2019 06:30	5.9	2.8	1009.5	936.8	13.3	6821
29/11/2019 06:45	5.9	2.7	1009.8	937.1	13.3	6819.9
29/11/2019 07:00	5.9	2.7	1010.2	937.1	13.3	6819.9
29/11/2019 07:15	5.9	2.8	1010.3	937.3	13.3	6819.4
29/11/2019 07:30	5.9	3	1010.4	937.3	13.3	6819.4
29/11/2019 07:45	5.9	3.3	1010.9	937.3	13.3	6819.4
29/11/2019 08:00	5.9	3.4	1011.2	937.3	13.3	6819.4
29/11/2019 08:15	5.9	3.3	1011.5	937.3	13.3	6819.4
29/11/2019 08:30	5.9	3.4	1011.1	937.4	13.3	6818.9
29/11/2019 08:45	5.9	3.5	1011.7	937.4	13.3	6818.9
29/11/2019 09:00	5.9	3.7	1011.8	937.3	13.3	6819.4
29/11/2019 09:15	5.9	4	1012.1	937.4	13.3	6818.9
29/11/2019 09:30	5.9	4.3	1012.3	937.4	13.3	6818.9

29/11/2019 09:45	5.9	4.6	1012.5	937.4	13.3	6818.9
29/11/2019 10:00	5.9	4.9	1012.8	937.6	13.3	6818.4
29/11/2019 10:15	5.9	5.2	1013.3	937.4	13.3	6818.9
29/11/2019 10:30	5.9	5.4	1013.5	937.6	13.3	6818.4
29/11/2019 10:45	5.9	5.6	1013.5	937.6	13.3	6818.4
29/11/2019 11:00	5.9	5.9	1013.7	937.6	13.3	6818.4
29/11/2019 11:15	5.9	6.1	1013.7	937.7	13.3	6817.8
29/11/2019 11:30	5.9	6.9	1013.6	937.7	13.2	6817.8
29/11/2019 11:45	5.9	7.6	1014	937.7	13.3	6817.8
29/11/2019 12:00	5.9	7.7	1014.5	937.7	13.3	6817.8
29/11/2019 12:15	5.9	7.7	1014.3	937.6	13.2	6818.4
29/11/2019 12:30	5.9	7.9	1014.4	937.7	13.3	6817.8
29/11/2019 12:45	5.9	8	1014.6	937.7	13.2	6817.8
29/11/2019 13:00	5.9	8.1	1014.8	937.6	13.3	6818.4
29/11/2019 13:15	5.9	8	1014.7	937.6	13.2	6818.4
29/11/2019 13:30	5.9	7.8	1015	937.7	13.2	6817.8
29/11/2019 13:45	5.9	7.6	1015.1	937.7	13.2	6817.8
29/11/2019 14:00	5.9	7.5	1015.3	937.7	13.2	6817.8
29/11/2019 14:15	5.9	7.4	1015.5	937.6	13.2	6818.4
29/11/2019 14:30	5.9	7.6	1015.6	937.6	13.2	6818.4
29/11/2019 14:45	5.9	7.8	1016	937.6	13.2	6818.4
29/11/2019 15:00	5.9	7.6	1016.2	937.4	13.2	6818.9
29/11/2019 15:15	5.9	7.2	1016.3	937.6	13.2	6818.4
29/11/2019 15:30	5.9	6.8	1016.6	937.6	13.2	6818.4
29/11/2019 15:45	5.9	6.5	1017	937.6	13.2	6818.4
29/11/2019 16:00	5.9	6.2	1017.3	937.4	13.2	6818.9
29/11/2019 16:15	5.9	5.6	1017	937.7	13.2	6817.8
29/11/2019 16:30	5.9	4.9	1017.8	937.4	13.2	6818.9
29/11/2019 16:45	5.9	4.4	1017.8	937.4	13.2	6818.9
29/11/2019 17:00	5.9	4	1018.2	937.6	13.2	6818.4
29/11/2019 17:15	5.9	3.8	1018.5	937.2	13.2	6819.4
29/11/2019 17:30	5.9	3.6	1018.8	937.7	13.2	6817.8
29/11/2019 17:45	5.9	3.4	1018.7	937.2	13.2	6819.4
29/11/2019 18:00	5.9	3.1	1019	937.1	13.2	6819.9
29/11/2019 18:15	5.9	2.9	1018.9	936.9	13.2	6820.5
29/11/2019 18:30	5.9	2.7	1019	937.2	13.2	6819.4
29/11/2019 18:45	5.9	2.4	1019.4	937.2	13.2	6819.4
29/11/2019 19:00	5.9	2.3	1019.8	937.6	13.2	6818.4
29/11/2019 19:15	5.9	2.1	1019.8	937.4	13.2	6818.9
29/11/2019 19:30	5.9	2	1019.7	937.2	13.2	6819.4
29/11/2019 19:45	5.9	1.9	1019.8	937.4	13.2	6818.9
29/11/2019 20:00	5.9	1.8	1019.9	937.6	13.2	6818.4
29/11/2019 20:15	5.9	1.8	1020	937.4	13.2	6818.9
29/11/2019 20:30	5.9	1.7	1020.3	937.6	13.2	6818.4
29/11/2019 20:45	5.9	1.7	1020.1	937.4	13.2	6818.9
29/11/2019 21:00	5.9	1.7	1020.3	937.6	13.2	6818.4
29/11/2019 21:15	5.9	1.7	1020.3	937.4	13.2	6818.9
29/11/2019 21:30	5.9	1.7	1020.4	937.7	13.2	6817.8
29/11/2019 21:45	5.9	1.7	1020.4	937.6	13.2	6818.4
29/11/2019 22:00	5.9	1.7	1020.7	937.2	13.2	6819.4

29/11/2019 22:15	5.9	1.6	1020.8	937.7	13.2	6817.8
29/11/2019 22:30	5.9	1.6	1021	937.7	13.2	6817.8
29/11/2019 22:45	5.9	1.5	1021	937.7	13.2	6817.8
29/11/2019 23:00	5.9	1.5	1021	937.6	13.2	6818.4
29/11/2019 23:15	5.9	1.5	1021.2	937.7	13.2	6817.8
29/11/2019 23:30	5.9	1.5	1021.2	937.7	13.2	6817.8
29/11/2019 23:45	5.9	1.5	1021.4	937.7	13.2	6817.8
30/11/2019 00:00	5.9	1.4	1021.4	937.7	13.2	6817.8
30/11/2019 00:15	5.9	1.4	1021.5	937.6	13.2	6818.4
30/11/2019 00:30	5.9	1.3	1021.5	937.9	13.2	6817.3
30/11/2019 00:45	5.9	1.2	1021.5	937.7	13.2	6817.8
30/11/2019 01:00	5.9	1.1	1021.7	937.9	13.2	6817.3
30/11/2019 01:15	5.9	1	1021.8	937.9	13.2	6817.3
30/11/2019 01:30	5.9	0.9	1022.2	937.7	13.2	6817.8
30/11/2019 01:45	5.9	0.7	1022.3	937.7	13.2	6817.8
30/11/2019 02:00	5.9	0.6	1022.1	937.9	13.2	6817.3
30/11/2019 02:15	5.9	0.6	1022.5	937.7	13.2	6817.8
30/11/2019 02:30	5.9	0.6	1022	937.7	13.2	6817.8
30/11/2019 02:45	5.9	0.7	1022	937.7	13.2	6817.8
30/11/2019 03:00	5.9	0.8	1022.2	937.7	13.2	6817.8
30/11/2019 03:15	5.9	0.6	1021.8	937.6	13.2	6818.4
30/11/2019 03:30	5.9	0.5	1021.8	937.9	13.2	6817.3
30/11/2019 03:45	5.9	0.4	1021.5	937.6	13.2	6818.4
30/11/2019 04:00	5.9	0.3	1021.8	937.6	13.2	6818.4
30/11/2019 04:15	5.9	0.3	1021.5	937.4	13.2	6818.9
30/11/2019 04:30	5.9	0.1	1022	937.4	13.2	6818.9
30/11/2019 04:45	5.9	0.1	1022.1	937.2	13.2	6819.4
30/11/2019 05:00	5.9	0	1021.9	937.2	13.2	6819.4
30/11/2019 05:15	5.9	-0.1	1022	937.4	13.2	6818.9
30/11/2019 05:30	5.9	-0.2	1021.8	937.4	13.2	6818.9
30/11/2019 05:45	5.9	-0.3	1021.8	937.6	13.2	6818.4
30/11/2019 06:00	5.9	-0.4	1022.2	937.7	13.2	6817.8
30/11/2019 06:15	5.9	-0.4	1022	937.2	13.2	6819.4
30/11/2019 06:30	5.9	-0.5	1022.1	937.6	13.2	6818.4
30/11/2019 06:45	5.9	-0.6	1022	937.6	13.2	6818.4
30/11/2019 07:00	5.9	-0.6	1022.2	937.4	13.2	6818.9
30/11/2019 07:15	5.9	-0.7	1022.1	937.2	13.2	6819.4
30/11/2019 07:30	5.9	-0.8	1022.2	937.4	13.2	6818.9
30/11/2019 07:45	5.9	-0.8	1022.5	937.4	13.2	6818.9
30/11/2019 08:00	5.9	-0.7	1022.6	937.6	13.2	6818.4
30/11/2019 08:15	5.9	-0.6	1022.4	937.6	13.2	6818.4
30/11/2019 08:30	5.9	-0.5	1022.5	937.4	13.2	6818.9
30/11/2019 08:45	5.9	-0.3	1022.3	937.6	13.2	6818.4
30/11/2019 09:00	5.9	-0.1	1022.6	937.7	13.2	6817.8
30/11/2019 09:15	5.9	0.2	1022.7	937.7	13.2	6817.8
30/11/2019 09:30	5.9	0.5	1022.5	937.6	13.2	6818.4
30/11/2019 09:45	5.9	0.7	1022.7	937.7	13.2	6817.8
30/11/2019 10:00	5.9	0.9	1022.4	937.7	13.2	6817.8
30/11/2019 10:15	5.9	1.3	1022.6	937.6	13.2	6818.4
30/11/2019 10:30	5.9	2.2	1022.3	937.7	13.2	6817.8

30/11/2019 10:45	5.9	3.1	1022.2	937.9	13.2	6817.3
30/11/2019 11:00	5.9	3.9	1021.7	937.7	13.2	6817.8
30/11/2019 11:15	5.9	4.6	1021.7	937.7	13.2	6817.8
30/11/2019 11:30	5.9	5.5	1021.6	937.9	13.2	6817.3
30/11/2019 11:45	5.9	6.4	1021.4	937.9	13.2	6817.3
30/11/2019 12:00	5.9	6.7	1021.4	937.9	13.2	6817.3
30/11/2019 12:15	5.9	6.9	1021.3	937.9	13.2	6817.3
30/11/2019 12:30	5.9	7.3	1021.2	938	13.2	6816.8
30/11/2019 12:45	5.9	8.1	1021.2	937.7	13.2	6817.8
30/11/2019 13:00	5.8	8.8	1020.9	937.9	13.2	6817.3
30/11/2019 13:15	5.8	9	1020.7	937.7	13.2	6817.8
30/11/2019 13:30	5.8	9.2	1020.5	937.9	13.2	6817.3
30/11/2019 13:45	5.8	9.1	1020.7	938	13.2	6816.8
30/11/2019 14:00	5.8	8.9	1020.5	937.7	13.2	6817.8
30/11/2019 14:15	5.9	8.7	1020.7	937.7	13.2	6817.8
30/11/2019 14:30	5.8	8.5	1020.8	937.9	13.2	6817.3
30/11/2019 14:45	5.9	8.1	1020.5	937.9	13.2	6817.3
30/11/2019 15:00	5.9	7.7	1020.7	937.5	13.2	6818.4
30/11/2019 15:15	5.9	7.4	1020.4	937.7	13.2	6817.8
30/11/2019 15:30	5.9	7.1	1020.5	937.7	13.2	6817.8
30/11/2019 15:45	5.9	6.9	1020.5	937.7	13.2	6817.8
30/11/2019 16:00	5.9	6.8	1020.8	937.5	13.2	6818.4
30/11/2019 16:15	5.9	6.9	1020.5	937.7	13.2	6817.8
30/11/2019 16:30	5.9	6.9	1020.4	937.7	13.2	6817.8
30/11/2019 16:45	5.9	6.8	1020.4	937.5	13.2	6818.4
30/11/2019 17:00	5.9	6.9	1020.5	937.5	13.2	6818.4
30/11/2019 17:15	5.9	6.9	1020.6	937.4	13.2	6818.9
30/11/2019 17:30	5.9	6.8	1020.3	937.4	13.2	6818.9
30/11/2019 17:45	5.9	6.8	1020.4	937.4	13.2	6818.9
30/11/2019 18:00	5.9	6.9	1020.5	937.5	13.2	6818.4
30/11/2019 18:15	5.9	7.1	1020.5	937.2	13.2	6819.4
30/11/2019 18:30	5.9	7.1	1020.6	937.5	13.2	6818.4
30/11/2019 18:45	5.9	6.9	1020.8	937.4	13.2	6818.9
30/11/2019 19:00	5.9	6.8	1020.5	937.4	13.2	6818.9
30/11/2019 19:15	5.9	6.8	1020.9	937.2	13.2	6819.4
30/11/2019 19:30	5.9	6.9	1020.8	937.2	13.2	6819.4
30/11/2019 19:45	5.9	7	1020.9	937.4	13.2	6818.9
30/11/2019 20:00	5.9	7	1020.3	937.5	13.2	6818.4
30/11/2019 20:15	5.9	6.8	1020.3	937.5	13.2	6818.4
30/11/2019 20:30	5.9	6.7	1020.2	937.4	13.2	6818.9
30/11/2019 20:45	5.9	6.7	1020.3	937.5	13.2	6818.4
30/11/2019 21:00	5.9	6.7	1020.3	937.5	13.2	6818.4
30/11/2019 21:15	5.9	6.8	1020.3	937.7	13.2	6817.8
30/11/2019 21:30	5.9	7	1020.1	937.5	13.2	6818.4
30/11/2019 21:45	5.9	7.3	1020.2	937.4	13.2	6818.9
30/11/2019 22:00	5.9	7.5	1020.1	937.5	13.2	6818.4
30/11/2019 22:15	5.9	7.6	1020.1	937.5	13.2	6818.4
30/11/2019 22:30	5.9	7.8	1019.9	937.5	13.2	6818.4
30/11/2019 22:45	5.9	7.9	1020.3	937.5	13.2	6818.4
30/11/2019 23:00	5.9	7.9	1020.1	937.5	13.2	6818.4

30/11/2019 23:15	5.9	7.9	1020	937.9	13.2	6817.3
30/11/2019 23:30	5.9	7.9	1020.1	937.9	13.2	6817.3
30/11/2019 23:45	5.9	7.9	1019.9	937.5	13.2	6818.4
01/12/2019 00:00	5.8	7.9	1019.8	937.9	13.2	6817.3
01/12/2019 00:15	5.9	8	1020.1	937.5	13.2	6818.4
01/12/2019 00:30	5.9	8	1019.9	937.5	13.2	6818.4
01/12/2019 00:45	5.8	8	1019.8	937.5	13.2	6818.4
01/12/2019 01:00	5.9	8	1020.1	937.7	13.2	6817.8
01/12/2019 01:15	5.9	8	1019.9	937.5	13.2	6818.4
01/12/2019 01:30	5.8	8	1019.8	937.5	13.2	6818.4
01/12/2019 01:45	5.9	8	1019.7	937.5	13.2	6818.4
01/12/2019 02:00	5.8	8	1019.8	937.5	13.2	6818.4
01/12/2019 02:15	5.9	7.9	1019.7	937.5	13.2	6818.4
01/12/2019 02:30	5.8	7.9	1019.7	937.5	13.2	6818.4
01/12/2019 02:45	5.9	7.8	1019.6	937.5	13.2	6818.4
01/12/2019 03:00	5.9	7.7	1019.9	937.7	13.2	6817.8
01/12/2019 03:15	5.9	7.6	1019.3	937.5	13.2	6818.4
01/12/2019 03:30	5.9	7.5	1019.2	937.7	13.2	6817.8
01/12/2019 03:45	5.9	7.5	1019.4	937.5	13.2	6818.4
01/12/2019 04:00	5.9	7.6	1019.3	937.5	13.2	6818.4
01/12/2019 04:15	5.9	7.6	1019.2	937.4	13.2	6818.9
01/12/2019 04:30	5.8	7.7	1019.4	937.4	13.2	6818.9
01/12/2019 04:45	5.9	7.7	1019.3	937.2	13.2	6819.4
01/12/2019 05:00	5.9	7.7	1019.5	937.2	13.2	6819.4
01/12/2019 05:15	5.9	7.7	1019	937.4	13.2	6818.9
01/12/2019 05:30	5.8	7.7	1018.8	937.4	13.2	6818.9
01/12/2019 05:45	5.9	7.7	1019	937.2	13.2	6819.4
01/12/2019 06:00	5.9	7.7	1018.9	937.2	13.2	6819.4
01/12/2019 06:15	5.9	7.6	1019	937.2	13.2	6819.4
01/12/2019 06:30	5.9	7.5	1019.1	937.2	13.2	6819.4
01/12/2019 06:45	5.9	7.5	1019.2	937.2	13.2	6819.4
01/12/2019 07:00	5.9	7.6	1019.7	937.5	13.2	6818.4
01/12/2019 07:15	5.9	7.6	1019.8	937.4	13.2	6818.9
01/12/2019 07:30	5.8	7.6	1019.7	937.2	13.2	6819.4
01/12/2019 07:45	5.9	7.6	1019.8	937.2	13.2	6819.4
01/12/2019 08:00	5.9	7.5	1020	937.2	13.2	6819.4
01/12/2019 08:15	5.9	7.4	1019.8	937.4	13.2	6818.9
01/12/2019 08:30	5.9	7.4	1020.4	937.2	13.2	6819.4
01/12/2019 08:45	5.9	7.5	1020.4	937.2	13.2	6819.4
01/12/2019 09:00	5.8	7.7	1020.5	937.4	13.2	6818.9
01/12/2019 09:15	5.8	7.9	1020.6	937.5	13.2	6818.4
01/12/2019 09:30	5.8	8	1021	937.7	13.2	6817.8
01/12/2019 09:45	5.8	8	1021.3	937.4	13.2	6818.9
01/12/2019 10:00	5.8	7.8	1021.3	937.2	13.2	6819.4
01/12/2019 10:15	5.8	7.7	1021.5	937.5	13.2	6818.4
01/12/2019 10:30	5.9	7.6	1021.8	937.4	13.2	6818.9
01/12/2019 10:45	5.8	7.6	1021.6	937.7	13.2	6817.8
01/12/2019 11:00	5.8	7.9	1021.5	937.4	13.2	6818.9
01/12/2019 11:15	5.8	8.3	1021.3	937.5	13.2	6818.4
01/12/2019 11:30	5.8	8.5	1021	937.7	13.2	6817.8

01/12/2019 11:45	5.8	8.3	1021.1	937.7	13.2	6817.8
01/12/2019 12:00	5.8	8.3	1021.2	937.9	13.2	6817.3
01/12/2019 12:15	5.8	8.2	1021	937.5	13.2	6818.4
01/12/2019 12:30	5.8	8	1021.2	937.7	13.2	6817.8
01/12/2019 12:45	5.8	7.9	1021.1	937.7	13.2	6817.8
01/12/2019 13:00	5.8	8.1	1020.9	937.7	13.2	6817.8
01/12/2019 13:15	5.8	8.4	1020.9	937.7	13.2	6817.8
01/12/2019 13:30	5.8	8.6	1020.7	937.9	13.2	6817.3
01/12/2019 13:45	5.8	8.7	1020.8	937.9	13.2	6817.3
01/12/2019 14:00	5.8	8.5	1020.8	937.9	13.2	6817.3
01/12/2019 14:15	5.8	8.5	1020.9	937.9	13.2	6817.3
01/12/2019 14:30	5.8	8.4	1021	937.9	13.2	6817.3
01/12/2019 14:45	5.8	8.1	1021.2	937.7	13.2	6817.8
01/12/2019 15:00	5.9	7.7	1021.2	937.9	13.2	6817.3
01/12/2019 15:15	5.9	7.2	1021.6	937.9	13.2	6817.3
01/12/2019 15:30	5.9	6.9	1022.2	937.5	13.2	6818.4
01/12/2019 15:45	5.9	6.6	1022.1	937.7	13.2	6817.8
01/12/2019 16:00	5.9	6.4	1022.6	937.7	13.2	6817.8
01/12/2019 16:15	5.9	6	1022.5	938	13.2	6816.8
01/12/2019 16:30	5.9	5.6	1022.8	937.7	13.2	6817.8
01/12/2019 16:45	5.9	5.2	1022.7	937.7	13.2	6817.8
01/12/2019 17:00	5.9	4.8	1023	937.7	13.2	6817.8
01/12/2019 17:15	5.9	4.6	1023.1	937.4	13.2	6818.9
01/12/2019 17:30	5.9	4.5	1023.7	937.7	13.2	6817.8
01/12/2019 17:45	5.9	4.3	1023.6	937.7	13.2	6817.8
01/12/2019 18:00	5.9	4.2	1023.5	937.4	13.2	6818.9
01/12/2019 18:15	5.9	4	1023.5	937.4	13.2	6818.9
01/12/2019 18:30	5.9	3.9	1023.8	937.5	13.2	6818.4
01/12/2019 18:45	5.9	4.1	1023.5	937.5	13.2	6818.4
01/12/2019 19:00	5.9	4.3	1023.8	937.5	13.2	6818.4
01/12/2019 19:15	5.9	4.5	1023.6	937.4	13.2	6818.9
01/12/2019 19:30	5.9	4.5	1023.9	937.7	13.2	6817.8
01/12/2019 19:45	5.9	4.3	1023.9	937.4	13.2	6818.9
01/12/2019 20:00	5.9	3.8	1024.4	937.5	13.2	6818.4
01/12/2019 20:15	5.9	3.5	1024.4	937.7	13.2	6817.8
01/12/2019 20:30	5.9	3.5	1024.8	937.5	13.2	6818.4
01/12/2019 20:45	5.9	3.6	1024.5	937.4	13.2	6818.9
01/12/2019 21:00	5.9	3.4	1025.1	937.5	13.2	6818.4
01/12/2019 21:15	5.9	3.1	1025	937.9	13.2	6817.3
01/12/2019 21:30	5.9	2.9	1025.1	937.7	13.2	6817.8
01/12/2019 21:45	5.9	2.7	1025.1	937.7	13.2	6817.8
01/12/2019 22:00	5.9	2.5	1025.2	937.9	13.2	6817.3
01/12/2019 22:15	5.9	2.4	1025.4	937.9	13.2	6817.3
01/12/2019 22:30	5.9	2.3	1025.3	937.9	13.2	6817.3
01/12/2019 22:45	5.9	2.2	1025.5	937.7	13.2	6817.8
01/12/2019 23:00	5.9	2.1	1025.5	937.9	13.2	6817.3
01/12/2019 23:15	5.9	2	1025.8	938.2	13.2	6816.3
01/12/2019 23:30	5.9	1.9	1025.7	937.7	13.1	6817.8
01/12/2019 23:45	5.9	1.9	1025.7	938	13.2	6816.8
02/12/2019 00:00	5.9	1.9	1025.9	938.2	13.2	6816.3

02/12/2019 00:15	5.9	1.8	1025.9	938	13.1	6816.8
02/12/2019 00:30	5.9	1.8	1026.1	938	13.2	6816.8
02/12/2019 00:45	5.9	1.9	1026.1	938.2	13.2	6816.3
02/12/2019 01:00	5.9	2.1	1025.9	938	13.2	6816.8
02/12/2019 01:15	5.9	2.2	1026.1	938	13.1	6816.8
02/12/2019 01:30	5.9	2.2	1026.4	938	13.1	6816.8
02/12/2019 01:45	5.9	2.2	1026	937.8	13.1	6817.3
02/12/2019 02:00	5.9	2.2	1026.5	937.8	13.1	6817.3
02/12/2019 02:15	5.9	2.2	1026.5	937.9	13.2	6817.3
02/12/2019 02:30	5.9	2.2	1026.1	937.8	13.1	6817.3
02/12/2019 02:45	5.9	2.1	1026.4	938	13.1	6816.8
02/12/2019 03:00	5.9	2.1	1026.3	937.9	13.2	6817.3
02/12/2019 03:15	5.9	2.1	1026.7	938	13.1	6816.8
02/12/2019 03:30	5.9	2.1	1026.6	938	13.1	6816.8
02/12/2019 03:45	5.9	2.1	1026.8	937.7	13.1	6817.8
02/12/2019 04:00	5.9	2.1	1026.9	937.7	13.1	6817.8
02/12/2019 04:15	5.9	2.1	1026.7	937.8	13.1	6817.3
02/12/2019 04:30	5.9	2	1027.1	937.8	13.1	6817.3
02/12/2019 04:45	5.9	1.9	1027.1	937.9	13.2	6817.3
02/12/2019 05:00	5.9	1.9	1026.7	937.7	13.1	6817.8
02/12/2019 05:15	5.9	1.9	1026.7	937.7	13.1	6817.8
02/12/2019 05:30	5.9	1.9	1026.8	937.8	13.1	6817.3
02/12/2019 05:45	5.9	1.8	1026.8	937.8	13.1	6817.3
02/12/2019 06:00	5.9	1.6	1027.2	937.5	13.1	6818.4
02/12/2019 06:15	5.9	1.6	1027.5	937.7	13.1	6817.8
02/12/2019 06:30	5.9	1.5	1027.5	937.7	13.1	6817.8
02/12/2019 06:45	5.9	1.3	1027.4	937.5	13.1	6818.4
02/12/2019 07:00	5.9	1.2	1027.3	937.7	13.1	6817.8
02/12/2019 07:15	5.9	1.3	1027.7	937.7	13.1	6817.8
02/12/2019 07:30	5.9	1.5	1027.5	937.5	13.1	6818.4
02/12/2019 07:45	5.9	1.6	1027.7	937.7	13.1	6817.8
02/12/2019 08:00	5.9	1.7	1027.9	937.5	13.1	6818.4
02/12/2019 08:15	5.9	1.7	1027.9	937.7	13.1	6817.8
02/12/2019 08:30	5.9	1.7	1028.2	937.7	13.1	6817.8
02/12/2019 08:45	5.9	1.7	1028.3	937.7	13.1	6817.8
02/12/2019 09:00	5.9	1.8	1028.4	937.7	13.1	6817.8
02/12/2019 09:15	5.9	2	1028.4	937.8	13.1	6817.3
02/12/2019 09:30	5.9	2.1	1028.4	937.8	13.1	6817.3
02/12/2019 09:45	5.9	2.3	1028.6	937.7	13.1	6817.8
02/12/2019 10:00	5.9	2.4	1028.5	937.5	13.1	6818.4
02/12/2019 10:15	5.9	2.5	1028.8	937.8	13.1	6817.3
02/12/2019 10:30	5.9	2.8	1028.7	937.7	13.1	6817.8
02/12/2019 10:45	5.9	2.9	1028.9	937.5	13.1	6818.4
02/12/2019 11:00	5.9	3.2	1028.8	937.7	13.1	6817.8
02/12/2019 11:15	5.9	3.5	1028.5	938.2	13.1	6816.3
02/12/2019 11:30	5.9	4.1	1028.6	937.7	13.1	6817.8
02/12/2019 11:45	5.9	4.8	1028.2	937.8	13.1	6817.3
02/12/2019 12:00	5.9	5.1	1028.3	937.8	13.1	6817.3
02/12/2019 12:15	5.9	5.1	1028.5	937.8	13.1	6817.3
02/12/2019 12:30	5.9	5.2	1028.3	938	13.1	6816.8

02/12/2019 12:45	5.9	5.3	1028	938	13.1	6816.8
02/12/2019 13:00	5.9	5.3	1027.9	937.7	13.1	6817.8
02/12/2019 13:15	5.9	5.2	1027.8	938	13.1	6816.8
02/12/2019 13:30	5.9	5.2	1027.9	938	13.1	6816.8
02/12/2019 13:45	5.9	5.1	1027.7	938	13.1	6816.8
02/12/2019 14:00	5.9	5.1	1028.3	938	13.1	6816.8
02/12/2019 14:15	5.9	5	1028.1	937.8	13.1	6817.3
02/12/2019 14:30	5.9	4.9	1027.9	938	13.1	6816.8
02/12/2019 14:45	5.9	4.7	1028.1	938.2	13.1	6816.3
02/12/2019 15:00	5.9	4.6	1028.1	938.2	13.1	6816.3
02/12/2019 15:15	5.9	4.3	1028.2	938	13.1	6816.8
02/12/2019 15:30	5.9	4.1	1028.2	938	13.1	6816.8
02/12/2019 15:45	5.9	3.8	1028.3	938.2	13.1	6816.3
02/12/2019 16:00	5.9	3.5	1028.1	938.2	13.1	6816.3
02/12/2019 16:15	5.9	3.1	1028.1	937.8	13.1	6817.3
02/12/2019 16:30	5.9	2.8	1028.2	938	13.1	6816.8
02/12/2019 16:45	5.9	2.5	1028.3	937.8	13.1	6817.3
02/12/2019 17:00	5.9	2.3	1028.3	938	13.1	6816.8
02/12/2019 17:15	5.9	2.1	1028.3	938	13.1	6816.8
02/12/2019 17:30	5.9	1.9	1028.6	937.8	13.1	6817.3
02/12/2019 17:45	5.9	1.9	1028.8	937.7	13.1	6817.8
02/12/2019 18:00	5.9	1.9	1028.6	938	13.1	6816.8
02/12/2019 18:15	5.9	1.7	1028.8	937.7	13.1	6817.8
02/12/2019 18:30	5.9	1.6	1029	937.7	13.1	6817.8
02/12/2019 18:45	5.9	1.4	1028.6	937.7	13.1	6817.8
02/12/2019 19:00	5.9	1.1	1029	937.7	13.1	6817.8
02/12/2019 19:15	5.9	0.9	1029	937.3	13.1	6818.9
02/12/2019 19:30	5.9	0.7	1029	937.7	13.1	6817.8
02/12/2019 19:45	5.9	0.6	1029.3	937.7	13.1	6817.8
02/12/2019 20:00	5.9	0.6	1029.1	937.5	13.1	6818.4
02/12/2019 20:15	5.9	0.5	1029.3	937.8	13.1	6817.3
02/12/2019 20:30	5.9	0.5	1029.1	937.5	13.1	6818.4
02/12/2019 20:45	5.9	0.5	1028.8	937.7	13.1	6817.8
02/12/2019 21:00	5.9	0.4	1028.6	937.8	13.1	6817.3
02/12/2019 21:15	5.9	0.2	1028.9	937.8	13.1	6817.3
02/12/2019 21:30	5.9	0.1	1028.8	937.8	13.1	6817.3
02/12/2019 21:45	5.9	0.1	1029.2	937.8	13.1	6817.3
02/12/2019 22:00	5.9	0.1	1029.1	937.7	13.1	6817.8
02/12/2019 22:15	5.9	0.3	1028.9	937.7	13.1	6817.8
02/12/2019 22:30	5.9	0.4	1028.9	937.7	13.1	6817.8
02/12/2019 22:45	5.9	0.4	1029.1	938	13.1	6816.8
02/12/2019 23:00	5.9	0.3	1029.4	937.8	13.1	6817.3
02/12/2019 23:15	5.9	0.2	1029.3	937.7	13.1	6817.8
02/12/2019 23:30	5.9	0	1029.4	938	13.1	6816.8
02/12/2019 23:45	5.9	-0.1	1029.3	937.5	13.1	6818.4
03/12/2019 00:00	5.9	0.1	1029.2	937.8	13.1	6817.3
03/12/2019 00:15	5.9	0.1	1028.9	937.7	13.1	6817.8
03/12/2019 00:30	5.9	0.1	1028.8	937.8	13.1	6817.3
03/12/2019 00:45	5.9	0.1	1028.4	937.8	13.1	6817.3
03/12/2019 01:00	5.9	0.2	1028.8	937.7	13.1	6817.8

03/12/2019 01:15	5.9	0.2	1028.3	938.2	13.1	6816.3
03/12/2019 01:30	5.9	0.2	1028.6	938.2	13.1	6816.3
03/12/2019 01:45	5.9	0.2	1028.3	938.3	13.1	6815.8
03/12/2019 02:00	5.9	0.2	1028.1	937.8	13.1	6817.3
03/12/2019 02:15	5.9	0.2	1028.3	938	13.1	6816.8
03/12/2019 02:30	5.9	0.3	1028	938	13.1	6816.8
03/12/2019 02:45	5.9	0.3	1027.9	937.8	13.1	6817.3
03/12/2019 03:00	5.9	0.3	1027.6	937.8	13.1	6817.3
03/12/2019 03:15	5.9	0.3	1027.8	938	13.1	6816.8
03/12/2019 03:30	5.9	0.3	1027.7	937.8	13.1	6817.3
03/12/2019 03:45	5.9	0.3	1027.5	937.8	13.1	6817.3
03/12/2019 04:00	5.9	0.3	1027.2	937.8	13.1	6817.3
03/12/2019 04:15	5.9	0.2	1027.2	937.7	13.1	6817.8
03/12/2019 04:30	5.9	0.2	1027.2	937.7	13.1	6817.8
03/12/2019 04:45	5.9	0.4	1027	937.8	13.1	6817.3
03/12/2019 05:00	5.9	0.6	1027.2	937.7	13.1	6817.8
03/12/2019 05:15	5.9	0.6	1027.2	937.7	13.1	6817.8
03/12/2019 05:30	5.9	0.6	1027.3	937.7	13.1	6817.8
03/12/2019 05:45	5.9	0.4	1027.2	937.7	13.1	6817.8
03/12/2019 06:00	5.9	0.3	1027.4	937.7	13.1	6817.8
03/12/2019 06:15	5.9	0.2	1027.2	937.7	13.1	6817.8
03/12/2019 06:30	5.9	0.1	1027.2	937.7	13.1	6817.8
03/12/2019 06:45	5.9	0.2	1027.2	937.5	13.1	6818.4
03/12/2019 07:00	5.9	0.4	1027.4	937.7	13.1	6817.8
03/12/2019 07:15	5.9	0.4	1027.6	937.5	13.1	6818.4
03/12/2019 07:30	5.9	0.4	1027.4	937.3	13.1	6818.9
03/12/2019 07:45	5.9	0.5	1027.3	937.5	13.1	6818.4
03/12/2019 08:00	5.9	0.7	1026.8	937.3	13.1	6818.9
03/12/2019 08:15	5.9	0.9	1026.8	937.3	13.1	6818.9
03/12/2019 08:30	5.9	1.1	1026.7	937.5	13.1	6818.4
03/12/2019 08:45	5.9	1.6	1026.5	937.3	13.1	6818.9
03/12/2019 09:00	5.9	2.2	1026.6	937.3	13.1	6818.9
03/12/2019 09:15	5.9	2.8	1026.5	937.5	13.1	6818.4
03/12/2019 09:30	5.9	3.6	1026.4	937.5	13.1	6818.4
03/12/2019 09:45	5.9	4.3	1026.5	937.5	13.1	6818.4
03/12/2019 10:00	5.9	5.1	1026.3	937.5	13.1	6818.4
03/12/2019 10:15	5.9	5.7	1026	937.7	13.1	6817.8
03/12/2019 10:30	5.8	6.3	1026	937.5	13.1	6818.4
03/12/2019 10:45	5.8	6.8	1025.6	937.5	13.1	6818.4
03/12/2019 11:00	5.8	6.7	1025.3	937.3	13.1	6818.9
03/12/2019 11:15	5.8	6.8	1025	937.5	13.1	6818.4
03/12/2019 11:30	5.8	7.4	1024.6	937.5	13.1	6818.4
03/12/2019 11:45	5.8	8.2	1024.2	937.5	13.1	6818.4
03/12/2019 12:00	5.8	8.7	1024.2	937.5	13.1	6818.4
03/12/2019 12:15	5.8	9.2	1023.9	937.7	13.1	6817.8
03/12/2019 12:30	5.8	9.4	1023.7	937.7	13.1	6817.8
03/12/2019 12:45	5.8	9.6	1023.6	937.5	13.1	6818.4
03/12/2019 13:00	5.8	9.4	1023.1	937.7	13.1	6817.8
03/12/2019 13:15	5.8	8.9	1023.4	937.5	13.1	6818.4
03/12/2019 13:30	5.8	8.5	1023.3	937.7	13.1	6817.8

03/12/2019 13:45	5.8	8.2	1023.3	937.8	13.1	6817.3
03/12/2019 14:00	5.8	8	1023.2	937.7	13.1	6817.8
03/12/2019 14:15	5.8	7.9	1023.3	937.7	13.1	6817.8
03/12/2019 14:30	5.8	7.7	1023.1	937.7	13.1	6817.8
03/12/2019 14:45	5.8	7.5	1022.9	937.7	13.1	6817.8
03/12/2019 15:00	5.8	7.3	1023	937.7	13.1	6817.8
03/12/2019 15:15	5.8	7	1023.1	937.8	13.1	6817.3
03/12/2019 15:30	5.9	7.5	1023	937.7	13.1	6817.8
03/12/2019 15:45	5.9	6.5	1023	937.8	13.1	6817.3
03/12/2019 16:00	5.9	6	1023.1	937.8	13.1	6817.3
03/12/2019 16:15	5.9	5.5	1023	937.7	13.1	6817.8
03/12/2019 16:30	5.9	5	1023.1	937.7	13.1	6817.8
03/12/2019 16:45	5.9	4.6	1023.3	937.7	13.1	6817.8
03/12/2019 17:00	5.9	4.3	1022.7	937.8	13.1	6817.3
03/12/2019 17:15	5.9	4.1	1023.1	937.7	13.1	6817.8
03/12/2019 17:30	5.9	3.8	1023.2	937.8	13.1	6817.3
03/12/2019 17:45	5.9	3.6	1023.2	937.5	13.1	6818.4
03/12/2019 18:00	5.9	3.4	1023.2	937.8	13.1	6817.3
03/12/2019 18:15	5.9	3.3	1023.1	937.5	13.1	6818.4
03/12/2019 18:30	5.9	3	1023.2	937.5	13.1	6818.4
03/12/2019 18:45	5.9	2.8	1023.1	937.7	13.1	6817.8
03/12/2019 19:00	5.9	2.7	1023.3	937.5	13.1	6818.4
03/12/2019 19:15	5.9	2.5	1022.8	937.5	13.1	6818.4
03/12/2019 19:30	5.9	2.3	1023.2	937.7	13.1	6817.8
03/12/2019 19:45	5.9	2.3	1023.1	937.5	13.1	6818.4
03/12/2019 20:00	5.9	2.3	1022.9	937.5	13.1	6818.4
03/12/2019 20:15	5.9	2.2	1022.7	937.5	13.1	6818.4
03/12/2019 20:30	5.9	2.1	1022.8	937.7	13.1	6817.8
03/12/2019 20:45	5.9	2.2	1022.7	937.7	13.1	6817.8
03/12/2019 21:00	5.9	2.3	1022.5	937.5	13.1	6818.4
03/12/2019 21:15	5.9	2.4	1022.6	937.5	13.1	6818.4
03/12/2019 21:30	5.9	2.3	1022	937.2	13.1	6819.4
03/12/2019 21:45	5.9	2.2	1022	937.5	13.1	6818.4
03/12/2019 22:00	5.9	2.1	1021.9	937.3	13.1	6818.9
03/12/2019 22:15	5.9	2.1	1022.2	937.3	13.1	6818.9
03/12/2019 22:30	5.9	2	1022	937.5	13.1	6818.4
03/12/2019 22:45	5.9	2	1022.1	937.3	13.1	6818.9
03/12/2019 23:00	5.9	1.9	1022	937.3	13.1	6818.9
03/12/2019 23:15	5.9	1.9	1022.1	937.5	13.1	6818.4
03/12/2019 23:30	5.9	1.8	1022	937.5	13.1	6818.4
03/12/2019 23:45	5.9	1.7	1022	937.5	13.1	6818.4
04/12/2019 00:00	5.9	1.7	1021.9	937.5	13.1	6818.4
04/12/2019 00:15	5.9	1.7	1021.8	937.7	13.1	6817.8
04/12/2019 00:30	5.9	1.5	1021.6	937.7	13.1	6817.8
04/12/2019 00:45	5.9	1.3	1021.5	937.7	13.1	6817.8
04/12/2019 01:00	5.9	1.2	1021.5	937.3	13.1	6818.9
04/12/2019 01:15	5.9	1.1	1021.2	937.7	13.1	6817.8
04/12/2019 01:30	5.9	1	1021.6	937.7	13.1	6817.8
04/12/2019 01:45	5.9	1	1021.2	937.8	13.1	6817.3
04/12/2019 02:00	5.9	0.9	1021.3	937.7	13.1	6817.8

04/12/2019 02:15	5.9	0.8	1021	937.3	13.1	6818.9
04/12/2019 02:30	5.9	0.7	1021.1	937.7	13.1	6817.8
04/12/2019 02:45	5.9	0.6	1020.9	937.7	13.1	6817.8
04/12/2019 03:00	5.9	0.5	1020.6	937.5	13.1	6818.4
04/12/2019 03:15	5.9	0.4	1020.8	937.7	13.1	6817.8
04/12/2019 03:30	5.9	0.4	1020.8	937.8	13.1	6817.3
04/12/2019 03:45	5.9	0.3	1020.5	937.5	13.1	6818.4
04/12/2019 04:00	5.9	0.2	1020.6	937.6	13	6817.8
04/12/2019 04:15	5.9	0.1	1020.4	937.5	13.1	6818.4
04/12/2019 04:30	5.9	0.1	1020.6	937.5	13.1	6818.4
04/12/2019 04:45	5.9	0	1020.3	937.5	13.1	6818.4
04/12/2019 05:00	5.9	0.1	1020.2	937.5	13.1	6818.4
04/12/2019 05:15	5.9	0	1020.1	937.5	13.1	6818.4
04/12/2019 05:30	5.9	-0.1	1019.9	937.3	13	6818.9
04/12/2019 05:45	5.9	-0.1	1020.1	937.5	13.1	6818.4
04/12/2019 06:00	5.9	-0.2	1019.9	937.5	13.1	6818.4
04/12/2019 06:15	5.9	-0.3	1020	937.5	13	6818.4
04/12/2019 06:30	5.9	-0.3	1019.8	937.2	13.1	6819.4
04/12/2019 06:45	5.9	-0.4	1020.2	937.2	13	6819.4
04/12/2019 07:00	5.9	-0.4	1020	937.3	13.1	6818.9
04/12/2019 07:15	5.9	-0.5	1019.6	937.5	13.1	6818.4
04/12/2019 07:30	5.9	-0.6	1019.9	937.3	13.1	6818.9
04/12/2019 07:45	5.9	-0.6	1020.3	937.2	13.1	6819.4
04/12/2019 08:00	5.9	-0.6	1020.5	937.2	13	6819.4
04/12/2019 08:15	5.9	-0.6	1020.3	937.2	13	6819.4
04/12/2019 08:30	5.9	-0.4	1020.4	937.2	13	6819.4
04/12/2019 08:45	5.9	0.2	1020.6	937.2	13	6819.4
04/12/2019 09:00	5.9	0.3	1020.4	937.3	13.1	6818.9
04/12/2019 09:15	5.9	0.5	1020.4	937.2	13	6819.4
04/12/2019 09:30	5.9	0.8	1020.2	937.2	13	6819.4
04/12/2019 09:45	5.9	0.9	1020.5	937.3	13	6818.9
04/12/2019 10:00	5.9	1.1	1020.1	937.2	13	6819.4
04/12/2019 10:15	5.9	1.4	1020	937.3	13.1	6818.9
04/12/2019 10:30	5.9	1.9	1020	937.2	13.1	6819.4
04/12/2019 10:45	5.9	2.5	1020.1	936.8	13	6820.5
04/12/2019 11:00	5.9	3.1	1019.9	937.2	13	6819.4
04/12/2019 11:15	5.9	3.6	1019.3	937.2	13	6819.4
04/12/2019 11:30	5.9	4.4	1019.3	937.3	13.1	6818.9
04/12/2019 11:45	5.9	5.2	1019.5	937.2	13	6819.4
04/12/2019 12:00	5.9	5.6	1018.9	937.2	13	6819.4
04/12/2019 12:15	5.8	5.8	1019	937.2	13	6819.4
04/12/2019 12:30	5.8	6	1018.9	937.2	13	6819.4
04/12/2019 12:45	5.8	6.2	1018.5	937.3	13	6818.9
04/12/2019 13:00	5.8	6.2	1018.5	937.2	13	6819.4
04/12/2019 13:15	5.8	6.1	1018	937.3	13	6818.9
04/12/2019 13:30	5.8	5.9	1018.2	937.2	13	6819.4
04/12/2019 13:45	5.9	5.8	1017.7	937.3	13	6818.9
04/12/2019 14:00	5.9	5.6	1017.8	937.2	13	6819.4
04/12/2019 14:15	5.9	5.5	1017.7	937.2	13	6819.4
04/12/2019 14:30	5.9	5.3	1017.7	937.6	13	6817.8

04/12/2019 14:45	5.9	5.1	1017.5	937.3	13	6818.9
04/12/2019 15:00	5.9	4.8	1017.9	937.3	13	6818.9
04/12/2019 15:15	5.9	4.5	1017.7	937.3	13	6818.9
04/12/2019 15:30	5.9	4.1	1017.8	937.5	13	6818.4
04/12/2019 15:45	5.9	3.6	1017.9	937.3	13	6818.9
04/12/2019 16:00	5.9	3.1	1017.7	937.2	13	6819.4
04/12/2019 16:15	5.9	2.7	1017.9	937.5	13	6818.4
04/12/2019 16:30	5.9	2.3	1017.9	937.3	13	6818.9
04/12/2019 16:45	5.9	1.9	1017.8	937.5	13	6818.4
04/12/2019 17:00	5.9	1.5	1018.4	937.6	13	6817.8
04/12/2019 17:15	5.9	1.3	1018.4	937.5	13	6818.4
04/12/2019 17:30	5.9	1	1018.5	937.3	13	6818.9
04/12/2019 17:45	5.9	0.8	1018.6	937.5	13.1	6818.4
04/12/2019 18:00	5.9	0.5	1018.6	937.5	13	6818.4
04/12/2019 18:15	5.9	0.3	1018.9	937.2	13	6819.4
04/12/2019 18:30	5.9	0.2	1018.9	937.5	13	6818.4
04/12/2019 18:45	5.9	0	1018.8	937.2	13	6819.4
04/12/2019 19:00	5.9	0.1	1019	937.3	13	6818.9
04/12/2019 19:15	5.9	0	1019	937.5	13	6818.4
04/12/2019 19:30	5.9	0	1019.1	937.3	13	6818.9
04/12/2019 19:45	5.9	-0.2	1019.2	937.3	13	6818.9
04/12/2019 20:00	5.9	-0.3	1019.5	937.2	13	6819.4
04/12/2019 20:15	5.9	-0.4	1019.2	937.3	13	6818.9
04/12/2019 20:30	5.9	-0.5	1018.9	937.5	13	6818.4
04/12/2019 20:45	5.9	-0.5	1018.7	937.2	13	6819.4
04/12/2019 21:00	5.9	-0.6	1019	937.3	13	6818.9
04/12/2019 21:15	5.9	-0.6	1018.7	937.2	13	6819.4
04/12/2019 21:30	5.9	-0.7	1018.6	937.3	13	6818.9
04/12/2019 21:45	5.9	-0.7	1018.8	937.5	13	6818.4
04/12/2019 22:00	5.9	-0.8	1018.9	936.8	13	6820.5
04/12/2019 22:15	5.9	-0.8	1018.7	937.3	13	6818.9
04/12/2019 22:30	5.9	-0.9	1018.6	937.3	13	6818.9
04/12/2019 22:45	5.9	-0.9	1018.9	937.3	13	6818.9
04/12/2019 23:00	5.9	-1	1019.2	937.3	13	6818.9
04/12/2019 23:15	5.9	-1	1019.1	937.2	13	6819.4
04/12/2019 23:30	5.9	-1	1019	937.3	13	6818.9
04/12/2019 23:45	5.9	-1.1	1019	937.2	13	6819.4
05/12/2019 00:00	5.9	-1.1	1018.9	937.2	13	6819.4
05/12/2019 00:15	5.9	-1.1	1018.9	937.3	13	6818.9
05/12/2019 00:30	5.9	-1.2	1018.9	937.3	13	6818.9
05/12/2019 00:45	5.9	-1.2	1018.9	937.3	13	6818.9
05/12/2019 01:00	5.9	-1.3	1018.6	937.3	13	6818.9
05/12/2019 01:15	5.9	-1.4	1018.7	937.3	13	6818.9
05/12/2019 01:30	5.9	-1.4	1018.9	937.3	13	6818.9
05/12/2019 01:45	5.9	-1.4	1018.8	937.5	13	6818.4
05/12/2019 02:00	5.9	-1.4	1019.1	937.3	13	6818.9
05/12/2019 02:15	5.9	-1.3	1018.8	937.3	13	6818.9
05/12/2019 02:30	5.9	-1.3	1018.7	937.3	13	6818.9
05/12/2019 02:45	5.9	-1.3	1018.1	937.5	13	6818.4
05/12/2019 03:00	5.9	-1.3	1018	937.5	13	6818.4

05/12/2019 03:15	5.9	-1.4	1017.9	937.5	13	6818.4
05/12/2019 03:30	5.9	-1.4	1018	937.5	13	6818.4
05/12/2019 03:45	5.9	-1.3	1018.3	937.5	13	6818.4
05/12/2019 04:00	5.9	-1.2	1018.7	937.5	13	6818.4
05/12/2019 04:15	5.9	-1	1018.9	937.3	13	6818.9
05/12/2019 04:30	5.9	-0.9	1018.6	937.5	13	6818.4
05/12/2019 04:45	5.9	-0.6	1018.7	937.6	13	6817.8
05/12/2019 05:00	5.9	-0.3	1018.7	937.3	13	6818.9
05/12/2019 05:15	5.9	0.1	1018.3	937.5	13	6818.4
05/12/2019 05:30	5.9	0.4	1018.6	937.5	13	6818.4
05/12/2019 05:45	5.9	0.7	1018.1	937.6	13	6817.8
05/12/2019 06:00	5.9	0.9	1018.2	937.3	13	6818.9
05/12/2019 06:15	5.9	1	1018	937.3	13	6818.9
05/12/2019 06:30	5.9	1.1	1018	937.5	13	6818.4
05/12/2019 06:45	5.9	1.2	1018.3	937.5	13	6818.4
05/12/2019 07:00	5.9	1.1	1018.1	937.3	13	6818.9
05/12/2019 07:15	5.9	1	1017.9	937.3	13	6818.9
05/12/2019 07:30	5.9	0.9	1018.2	937.3	13	6818.9
05/12/2019 07:45	5.9	0.8	1018.2	937.2	13	6819.4
05/12/2019 08:00	5.9	0.9	1018.2	937.3	13	6818.9
05/12/2019 08:15	5.9	1	1018.1	937.2	13	6819.4
05/12/2019 08:30	5.9	1.1	1018	937.2	13	6819.4
05/12/2019 08:45	5.9	1.4	1018.1	937.5	13	6818.4
05/12/2019 09:00	5.9	1.6	1018	937.2	13	6819.4
05/12/2019 09:15	5.9	1.8	1017.6	937.3	13	6818.9
05/12/2019 09:30	5.9	2	1017.8	937.2	13	6819.4
05/12/2019 09:45	5.9	2.4	1017.6	937.2	13	6819.4
05/12/2019 10:00	5.9	2.8	1017.6	937.2	13	6819.4
05/12/2019 10:15	5.9	3.3	1017.8	937.2	13	6819.4
05/12/2019 10:30	5.9	3.8	1017.7	937	13	6819.9
05/12/2019 10:45	5.9	4.2	1017.5	937.2	13	6819.4
05/12/2019 11:00	5.9	4.7	1017.3	936.8	13	6820.5
05/12/2019 11:15	5.8	5	1016.8	936.8	13	6820.5
05/12/2019 11:30	5.8	5.3	1017	936.8	13	6820.5
05/12/2019 11:45	5.8	5.6	1016.8	937	13	6819.9
05/12/2019 12:00	5.8	5.7	1016.5	937.2	13	6819.4
05/12/2019 12:15	5.8	5.7	1016.5	937.2	13	6819.4
05/12/2019 12:30	5.8	5.8	1016.1	937.2	13	6819.4
05/12/2019 12:45	5.8	6	1016	937	13	6819.9
05/12/2019 13:00	5.8	6.2	1015.7	936.8	13	6820.5
05/12/2019 13:15	5.8	6.4	1015.5	936.8	13	6820.5
05/12/2019 13:30	5.8	6.4	1015	936.8	13	6820.5
05/12/2019 13:45	5.8	6.4	1014.7	937	13	6819.9
05/12/2019 14:00	5.8	6.4	1014.5	937	13	6819.9
05/12/2019 14:15	5.8	6.4	1014.2	937	13	6819.9
05/12/2019 14:30	5.8	6.3	1014	937.2	13	6819.4
05/12/2019 14:45	5.8	6.3	1014	937.2	13	6819.4
05/12/2019 15:00	5.8	6.1	1013.7	936.8	13	6820.5
05/12/2019 15:15	5.8	6	1013	937	13	6819.9
05/12/2019 15:30	5.8	5.7	1013.1	937.2	13	6819.4

05/12/2019 15:45	5.8	5.5	1012.4	936.8	13	6820.5
05/12/2019 16:00	5.8	5.4	1012.4	937.2	13	6819.4
05/12/2019 16:15	5.8	5.4	1012.4	937.2	13	6819.4
05/12/2019 16:30	5.8	5.4	1012.3	937.2	13	6819.4
05/12/2019 16:45	5.8	5.5	1011.9	937.2	13	6819.4
05/12/2019 17:00	5.8	5.6	1011.7	937	13	6819.9
05/12/2019 17:15	5.8	5.8	1011.9	937.2	13	6819.4
05/12/2019 17:30	5.8	5.9	1011.4	936.8	13	6820.5
05/12/2019 17:45	5.8	6.1	1011.2	937.2	13	6819.4
05/12/2019 18:00	5.8	6.3	1011.3	937.3	13	6818.9
05/12/2019 18:15	5.8	6.7	1010.6	937.2	13	6819.4
05/12/2019 18:30	5.8	6.9	1010.9	937.2	13	6819.4
05/12/2019 18:45	5.8	7.1	1010.4	937.2	13	6819.4
05/12/2019 19:00	5.8	7.2	1010.5	937	13	6819.9
05/12/2019 19:15	5.8	7.3	1009.9	936.8	13	6820.5
05/12/2019 19:30	5.8	7.3	1009.8	936.7	13	6821
05/12/2019 19:45	5.8	7.4	1009.7	936.8	13	6820.5
05/12/2019 20:00	5.8	7.5	1009.5	936.8	13	6820.5
05/12/2019 20:15	5.8	7.6	1009.5	936.8	13	6820.5
05/12/2019 20:30	5.8	7.7	1009.3	936.7	13	6821
05/12/2019 20:45	5.8	7.7	1009.2	936.8	13	6820.5
05/12/2019 21:00	5.8	7.7	1008.9	936.7	13	6821
05/12/2019 21:15	5.8	7.7	1008.8	936.8	13	6820.5
05/12/2019 21:30	5.8	7.8	1008.7	936.7	13	6821
05/12/2019 21:45	5.8	7.8	1008.3	936.7	13	6821
05/12/2019 22:00	5.8	7.8	1008.3	936.7	13	6821
05/12/2019 22:15	5.8	7.9	1007.8	936.7	13	6821
05/12/2019 22:30	5.8	7.9	1007.7	936.5	13	6821.5
05/12/2019 22:45	5.8	8	1007.9	936.7	13	6821
05/12/2019 23:00	5.8	8.2	1007.4	936.7	13	6821
05/12/2019 23:15	5.8	8.3	1007.2	936.5	13	6821.5
05/12/2019 23:30	5.8	8.5	1006.9	936.4	13	6822
05/12/2019 23:45	5.8	8.6	1006.5	936.5	13	6821.5
06/12/2019 00:00	5.8	8.7	1006.5	936.4	13	6822
06/12/2019 00:15	5.8	8.7	1006.5	936.4	13	6822
06/12/2019 00:30	5.8	8.8	1006.1	936.4	13	6822
06/12/2019 00:45	5.8	8.9	1005.8	936.5	13	6821.5
06/12/2019 01:00	5.8	8.9	1005.8	936.5	13	6821.5
06/12/2019 01:15	5.8	9	1005.8	936.5	13	6821.5
06/12/2019 01:30	5.8	9	1006.2	936.5	13	6821.5
06/12/2019 01:45	5.8	9.1	1005.7	936.5	13	6821.5
06/12/2019 02:00	5.8	9.1	1006.1	936.5	13	6821.5
06/12/2019 02:15	5.8	9.2	1005.5	936.7	13	6821
06/12/2019 02:30	5.8	9.3	1005.5	936.5	13	6821.5
06/12/2019 02:45	5.8	9.3	1005.3	936.7	13	6821
06/12/2019 03:00	5.8	9.4	1005.1	936.5	13	6821.5
06/12/2019 03:15	5.8	9.5	1004.8	936.7	13	6821
06/12/2019 03:30	5.8	9.6	1004.5	936.7	13	6821
06/12/2019 03:45	5.8	9.7	1004.7	936.5	13	6821.5
06/12/2019 04:00	5.8	9.8	1004.6	936.7	13	6821

06/12/2019 04:15	5.8	9.8	1004.6	936.7	13	6821
06/12/2019 04:30	5.8	9.8	1004.3	936.7	13	6821
06/12/2019 04:45	5.8	9.8	1004.3	936.7	13	6821
06/12/2019 05:00	5.8	9.8	1004.1	936.8	13	6820.5
06/12/2019 05:15	5.8	9.9	1003.8	936.7	13	6821
06/12/2019 05:30	5.8	9.9	1003.8	936.7	13	6821
06/12/2019 05:45	5.8	10	1003.1	936.5	13	6821.5
06/12/2019 06:00	5.8	10	1003.2	936.7	13	6821
06/12/2019 06:15	5.8	10.1	1003.3	936.7	13	6821
06/12/2019 06:30	5.8	10.2	1002.9	936.5	13	6821.5
06/12/2019 06:45	5.8	10.2	1002.8	936.5	13	6821.5
06/12/2019 07:00	5.8	10.3	1002.5	936.7	13	6821
06/12/2019 07:15	5.8	10.3	1002.2	936.7	13	6821
06/12/2019 07:30	5.8	10.4	1002.1	936.7	13	6821
06/12/2019 07:45	5.8	10.4	1002	936.5	13	6821.5
06/12/2019 08:00	5.8	10.4	1002.1	936.4	13	6822
06/12/2019 08:15	5.8	10.4	1001.7	936.5	13	6821.5
06/12/2019 08:30	5.8	10.5	1001.7	936.5	13	6821.5
06/12/2019 08:45	5.8	10.6	1001.2	936.4	13	6822
06/12/2019 09:00	5.8	10.6	1001.5	936.5	13	6821.5
06/12/2019 09:15	5.8	10.7	1001.1	936.4	13	6822
06/12/2019 09:30	5.8	10.8	1000.8	936.4	13	6822
06/12/2019 09:45	5.8	10.9	1000.9	936.4	13	6822
06/12/2019 10:00	5.8	11.1	1000.8	936.4	13	6822
06/12/2019 10:15	5.8	11.2	1000.3	936.4	13	6822
06/12/2019 10:30	5.8	11.3	1000	936.4	13	6822
06/12/2019 10:45	5.8	11.4	1000.1	936.2	13	6822.5
06/12/2019 11:00	5.8	11.4	999.6	936.4	13	6822
06/12/2019 11:15	5.8	11.5	999.4	936	13	6823.1
06/12/2019 11:30	5.8	11.7	998.9	936.2	13	6822.5
06/12/2019 11:45	5.8	12	999	936.2	13	6822.5
06/12/2019 12:00	5.8	12.3	998.6	936	13	6823.1
06/12/2019 12:15	5.8	12.4	998.7	936.2	13	6822.5
06/12/2019 12:30	5.8	12.4	998.1	936	13	6823.1
06/12/2019 12:45	5.8	12.3	997.8	936.2	13	6822.5
06/12/2019 13:00	5.8	12.3	997.5	936.4	13	6822
06/12/2019 13:15	5.8	12.3	997.3	936.2	13	6822.5
06/12/2019 13:30	5.8	12.4	997.2	936.2	13	6822.5
06/12/2019 13:45	5.8	12.5	996.5	936.4	13	6822
06/12/2019 14:00	5.8	12.4	996.8	936.2	13	6822.5
06/12/2019 14:15	5.8	12.5	996.5	936.2	13	6822.5
06/12/2019 14:30	5.8	12.5	996.5	936.2	13	6822.5
06/12/2019 14:45	5.8	12.4	996.3	936.2	13	6822.5
06/12/2019 15:00	5.8	12.4	996	936.2	13	6822.5
06/12/2019 15:15	5.8	12.3	996.1	936.2	13	6822.5
06/12/2019 15:30	5.8	12.1	996.5	936.2	13	6822.5
06/12/2019 15:45	5.8	11.9	996.6	936.2	13	6822.5
06/12/2019 16:00	5.8	11.5	996.7	936.2	13	6822.5
06/12/2019 16:15	5.8	10.9	996.5	936.4	13	6822
06/12/2019 16:30	5.8	10.4	996.5	936.4	13	6822

06/12/2019 16:45	5.8	10.1	996.5	936.2	13	6822.5
06/12/2019 17:00	5.8	10	996.5	936.4	13	6822
06/12/2019 17:15	5.8	10.2	996.5	936.4	13	6822
06/12/2019 17:30	5.8	10.4	996.9	936.4	13	6822
06/12/2019 17:45	5.8	10.2	998	936.5	13	6821.5
06/12/2019 18:00	5.8	9.7	997.9	936.5	13	6821.5
06/12/2019 18:15	5.8	9.3	998	936.4	13	6822
06/12/2019 18:30	5.8	9.1	998.4	936.5	13	6821.5
06/12/2019 18:45	5.8	9	998.6	936.7	13	6821
06/12/2019 19:00	5.8	9	998.8	936.5	13	6821.5
06/12/2019 19:15	5.8	9.1	999.1	936.7	13	6821
06/12/2019 19:30	5.8	9	999.4	936.5	13	6821.5
06/12/2019 19:45	5.8	8.7	1000	936.7	13	6821
06/12/2019 20:00	5.8	8.5	1000	936.5	13	6821.5
06/12/2019 20:15	5.8	8.4	1000.6	936.5	13	6821.5
06/12/2019 20:30	5.8	8.5	1000.9	936.7	13	6821
06/12/2019 20:45	5.8	8.6	1001.2	936.7	13	6821
06/12/2019 21:00	5.8	8.6	1001.3	936.5	13	6821.5
06/12/2019 21:15	5.8	8.8	1001.8	936.5	13	6821.5
06/12/2019 21:30	5.8	8.7	1002.2	936.5	13	6821.5
06/12/2019 21:45	5.8	8.5	1002.4	936.7	13	6821
06/12/2019 22:00	5.8	8.3	1002.5	936.7	13	6821
06/12/2019 22:15	5.8	8	1002.9	936.5	13	6821.5
06/12/2019 22:30	5.8	7.7	1002.8	936.7	13	6821
06/12/2019 22:45	5.8	7.4	1003.4	936.5	13	6821.5
06/12/2019 23:00	5.8	7.2	1003.6	936.7	13	6821
06/12/2019 23:15	5.8	7	1004.1	936.5	13	6821.5
06/12/2019 23:30	5.8	6.8	1004.3	936.5	13	6821.5
06/12/2019 23:45	5.8	6.8	1004.1	936.5	13	6821.5
07/12/2019 00:00	5.8	6.7	1004.5	936.5	13	6821.5
07/12/2019 00:15	5.8	6.6	1004.9	936.4	13	6822
07/12/2019 00:30	5.8	6.4	1004.6	936.7	13	6821
07/12/2019 00:45	5.8	6.2	1004.7	936.7	13	6821
07/12/2019 01:00	5.8	6.1	1005	936.7	13	6821
07/12/2019 01:15	5.8	6	1005	936.7	13	6821
07/12/2019 01:30	5.8	5.9	1005.3	936.5	13	6821.5
07/12/2019 01:45	5.8	5.9	1005.8	936.8	13	6820.5
07/12/2019 02:00	5.8	5.8	1006.2	936.7	13	6821
07/12/2019 02:15	5.8	5.7	1006.3	936.8	13	6820.5
07/12/2019 02:30	5.8	5.7	1006.6	936.8	13	6820.5
07/12/2019 02:45	5.8	5.9	1006.7	936.8	13	6820.5
07/12/2019 03:00	5.8	6.2	1006.5	936.8	13	6820.5
07/12/2019 03:15	5.8	6.5	1007.1	936.8	13	6820.5
07/12/2019 03:30	5.8	6.7	1006.8	936.8	13	6820.5
07/12/2019 03:45	5.8	6.9	1006.9	936.8	13	6820.5
07/12/2019 04:00	5.8	7	1007.1	936.8	13	6820.5
07/12/2019 04:15	5.8	7	1007	936.8	13	6820.5
07/12/2019 04:30	5.8	6.9	1007.3	937.2	13	6819.4
07/12/2019 04:45	5.8	6.9	1007.4	936.8	13	6820.5
07/12/2019 05:00	5.8	6.9	1007.5	937.2	13	6819.4

07/12/2019 05:15	5.8	7	1007.8	937.2	13	6819.4
07/12/2019 05:30	5.8	6.9	1007.9	937	13	6819.9
07/12/2019 05:45	5.8	6.9	1008	937.2	13	6819.4
07/12/2019 06:00	5.8	6.9	1008.4	937.3	13	6818.9
07/12/2019 06:15	5.8	7	1008.8	937.2	13	6819.4
07/12/2019 06:30	5.8	7	1009.2	937.2	13	6819.4
07/12/2019 06:45	5.8	7.1	1008.8	937.2	13	6819.4
07/12/2019 07:00	5.8	7.2	1009.3	937	13	6819.9
07/12/2019 07:15	5.8	7.2	1008.8	937.2	13	6819.4
07/12/2019 07:30	5.8	7.3	1009	937.2	13	6819.4
07/12/2019 07:45	5.8	7.3	1009.1	936.8	13	6820.5
07/12/2019 08:00	5.8	7.2	1009.6	937.2	13	6819.4
07/12/2019 08:15	5.8	7.1	1009.7	937	13	6819.9
07/12/2019 08:30	5.8	6.9	1009.8	937	13	6819.9
07/12/2019 08:45	5.8	6.7	1009.9	937.2	13	6819.4
07/12/2019 09:00	5.8	6.7	1010.3	937.2	13	6819.4
07/12/2019 09:15	5.8	7.2	1009.9	937.2	13	6819.4
07/12/2019 09:30	5.8	7.8	1010	937.2	13	6819.4
07/12/2019 09:45	5.8	8.3	1010.5	937.2	13	6819.4
07/12/2019 10:00	5.8	8.7	1010.2	937	13	6819.9
07/12/2019 10:15	5.8	9.2	1010.3	936.7	13	6821
07/12/2019 10:30	5.8	9.3	1010.3	936.7	13	6821
07/12/2019 10:45	5.8	9.6	1010.3	936.8	13	6820.5
07/12/2019 11:00	5.8	9.8	1010	936.8	13	6820.5
07/12/2019 11:15	5.8	10.2	1010.3	936.8	13	6820.5
07/12/2019 11:30	5.8	10.4	1009.8	936.7	13	6821
07/12/2019 11:45	5.8	10.6	1010.1	936.7	13	6821
07/12/2019 12:00	5.8	10.8	1010.6	936.8	13	6820.5
07/12/2019 12:15	5.8	10.9	1010	936.5	13	6821.5
07/12/2019 12:30	5.8	11	1009.8	936.5	13	6821.5
07/12/2019 12:45	5.8	11.1	1009.6	936.7	13	6821
07/12/2019 13:00	5.8	11.3	1009.8	936.7	13	6821
07/12/2019 13:15	5.8	11.3	1009.4	936.4	13	6822
07/12/2019 13:30	5.8	11.2	1009.3	936.5	13	6821.5
07/12/2019 13:45	5.8	11.1	1009.2	936.5	13	6821.5
07/12/2019 14:00	5.8	10.9	1008.9	936.4	13	6822
07/12/2019 14:15	5.8	10.6	1009.4	936.5	13	6821.5
07/12/2019 14:30	5.8	10.4	1009.2	936.5	13	6821.5
07/12/2019 14:45	5.8	10.3	1008.9	936.4	13	6822
07/12/2019 15:00	5.8	10.1	1009.1	936.5	13	6821.5
07/12/2019 15:15	5.8	9.7	1009.3	936.5	13	6821.5
07/12/2019 15:30	5.8	9.3	1009.3	936.7	13	6821
07/12/2019 15:45	5.8	8.9	1009.4	936.5	13	6821.5
07/12/2019 16:00	5.8	8.4	1009.3	936.7	13	6821
07/12/2019 16:15	5.8	8	1009.5	936.7	13	6821
07/12/2019 16:30	5.8	7.7	1009.3	936.7	13	6821
07/12/2019 16:45	5.8	7.6	1009.1	936.8	13	6820.5
07/12/2019 17:00	5.8	7.7	1009	936.8	13	6820.5
07/12/2019 17:15	5.8	7.8	1008.8	936.7	13	6821
07/12/2019 17:30	5.8	7.9	1008.8	936.8	13	6820.5

07/12/2019 17:45	5.8	8	1008.4	936.7	13	6821
07/12/2019 18:00	5.8	8.1	1008.5	936.8	13	6820.5
07/12/2019 18:15	5.8	8.1	1008.7	936.7	13	6821
07/12/2019 18:30	5.8	8.1	1008	936.8	13	6820.5
07/12/2019 18:45	5.8	7.8	1007.8	936.8	13	6820.5
07/12/2019 19:00	5.8	7.6	1007.6	936.8	13	6820.5
07/12/2019 19:15	5.8	7.4	1007.4	937	13	6819.9
07/12/2019 19:30	5.8	7.3	1007.6	936.7	13	6821
07/12/2019 19:45	5.8	7.2	1007.2	936.8	13	6820.5
07/12/2019 20:00	5.8	7.2	1006.9	936.7	13	6821
07/12/2019 20:15	5.8	7.1	1006.7	936.8	13	6820.5
07/12/2019 20:30	5.8	7.1	1006.4	936.7	13	6821
07/12/2019 20:45	5.8	7	1006.1	936.8	13	6820.5
07/12/2019 21:00	5.8	7	1005.7	936.7	13	6821
07/12/2019 21:15	5.8	7	1005.8	936.5	13	6821.5
07/12/2019 21:30	5.8	7.2	1004.7	936.5	13	6821.5
07/12/2019 21:45	5.8	7.4	1004.6	936.5	13	6821.5
07/12/2019 22:00	5.8	7.6	1004.1	936.3	13	6822
07/12/2019 22:15	5.8	7.9	1003.8	936.2	13	6822.5
07/12/2019 22:30	5.8	8.2	1003.5	936.4	13	6822
07/12/2019 22:45	5.8	8.5	1003.3	936.2	13	6822.5
07/12/2019 23:00	5.8	8.8	1002.4	936.4	13	6822
07/12/2019 23:15	5.8	9	1002.4	936.4	13	6822
07/12/2019 23:30	5.8	9.3	1002.4	936.2	13	6822.5
07/12/2019 23:45	5.8	9.4	1001.7	936.2	13	6822.5
08/12/2019 00:00	5.8	9.6	1001.5	936.4	13	6822
08/12/2019 00:15	5.8	9.8	1001.1	936.2	13	6822.5
08/12/2019 00:30	5.8	9.8	1000.4	936.2	13	6822.5
08/12/2019 00:45	5.8	10	1000.2	936.2	13	6822.5
08/12/2019 01:00	5.8	10	999.7	936.2	13	6822.5
08/12/2019 01:15	5.8	10.1	998.9	936	13	6823.1
08/12/2019 01:30	5.8	10.2	998.8	936	13	6823.1
08/12/2019 01:45	5.8	10.3	998.4	935.9	13	6823.6
08/12/2019 02:00	5.8	10.3	998.4	935.9	13	6823.6
08/12/2019 02:15	5.8	10.2	997.6	935.9	13	6823.6
08/12/2019 02:30	5.8	10.1	997.6	935.9	13	6823.6
08/12/2019 02:45	5.8	10	997.3	935.9	13	6823.6
08/12/2019 03:00	5.8	10	996.6	935.9	13	6823.6
08/12/2019 03:15	5.8	10	995.5	935.9	13	6823.6
08/12/2019 03:30	5.8	9.9	995.9	935.9	13	6823.6
08/12/2019 03:45	5.8	9.9	995.7	935.9	13	6823.6
08/12/2019 04:00	5.8	9.9	995.5	935.9	13	6823.6
08/12/2019 04:15	5.8	9.9	995.2	936	13	6823.1
08/12/2019 04:30	5.8	9.9	994.7	936	13	6823.1
08/12/2019 04:45	5.8	9.9	994.3	935.9	13	6823.6
08/12/2019 05:00	5.8	9.9	994.3	935.9	13	6823.6
08/12/2019 05:15	5.8	10	994	935.9	13	6823.6
08/12/2019 05:30	5.8	10.1	993.4	935.9	13	6823.6
08/12/2019 05:45	5.8	10.2	993.5	935.9	13	6823.6
08/12/2019 06:00	5.8	10.3	993.4	935.9	13	6823.6

08/12/2019 06:15	5.8	10.3	993.2	935.9	13	6823.6
08/12/2019 06:30	5.8	10.3	993.5	936	13	6823.1
08/12/2019 06:45	5.8	10.3	993.5	936	13	6823.1
08/12/2019 07:00	5.8	10.3	993.5	936	13	6823.1
08/12/2019 07:15	5.8	10.3	993.9	936	13	6823.1
08/12/2019 07:30	5.8	10.2	994.1	936	13	6823.1
08/12/2019 07:45	5.8	10.1	994.6	936.3	13	6822
08/12/2019 08:00	5.8	9.9	994.7	935.9	13	6823.6
08/12/2019 08:15	5.8	9.8	994.9	935.9	13	6823.6
08/12/2019 08:30	5.8	9.8	995.2	935.9	13	6823.6
08/12/2019 08:45	5.8	9.8	995.3	935.9	13	6823.6
08/12/2019 09:00	5.8	9.7	995.5	936.2	13	6822.5
08/12/2019 09:15	5.8	9.6	995.7	936	13	6823.1
08/12/2019 09:30	5.8	9.4	995.8	936.2	13	6822.5
08/12/2019 09:45	5.8	9.3	996.2	936.2	13	6822.5
08/12/2019 10:00	5.8	9.5	996.3	936	13	6823.1
08/12/2019 10:15	5.8	9.6	996.2	936	13	6823.1
08/12/2019 10:30	5.8	9.7	995.9	936.2	13	6822.5
08/12/2019 10:45	5.8	9.7	996	936.3	13	6822
08/12/2019 11:00	5.8	9.8	995.7	936	13	6823.1
08/12/2019 11:15	5.8	9.9	995.5	936	13	6823.1
08/12/2019 11:30	5.8	10.1	995.4	935.9	13	6823.6
08/12/2019 11:45	5.8	10.3	995.4	935.9	13	6823.6
08/12/2019 12:00	5.8	10.6	995.4	935.9	13	6823.6
08/12/2019 12:15	5.8	10.8	994.8	935.9	13	6823.6
08/12/2019 12:30	5.8	10.9	994.7	935.9	13	6823.6
08/12/2019 12:45	5.8	10.8	994.7	935.9	13	6823.6
08/12/2019 13:00	5.8	10.7	994.7	935.9	13	6823.6
08/12/2019 13:15	5.8	10.6	994.7	935.9	13	6823.6
08/12/2019 13:30	5.8	10.6	994.3	935.9	13	6823.6
08/12/2019 13:45	5.8	10.4	994.1	935.9	13	6823.6
08/12/2019 14:00	5.8	10.1	994.1	935.9	13	6823.6
08/12/2019 14:15	5.8	9.9	993.7	935.9	13	6823.6
08/12/2019 14:30	5.8	9.6	993.9	935.7	13	6824.1
08/12/2019 14:45	5.8	9.5	993.7	935.5	13	6824.6
08/12/2019 15:00	5.8	9.3	993.4	935.9	13	6823.6
08/12/2019 15:15	5.8	9	993.5	935.4	13	6825.2
08/12/2019 15:30	5.8	8.7	993.6	935.4	13	6825.2
08/12/2019 15:45	5.8	8.5	993.7	935.4	13	6825.2
08/12/2019 16:00	5.8	8.3	993.5	935.5	13	6824.6
08/12/2019 16:15	5.8	8.1	993	935.7	13	6824.1
08/12/2019 16:30	5.8	8	993	935.9	13	6823.6
08/12/2019 16:45	5.8	8	992.9	935.9	13	6823.6
08/12/2019 17:00	5.8	7.9	992.5	935.9	13	6823.6
08/12/2019 17:15	5.8	7.8	992.5	936	13	6823.1
08/12/2019 17:30	5.8	7.6	992.7	936	13	6823.1
08/12/2019 17:45	5.8	7.3	992.8	936	13	6823.1
08/12/2019 18:00	5.8	7.2	992.8	935.9	13	6823.6
08/12/2019 18:15	5.8	7	992.9	936.2	13	6822.5
08/12/2019 18:30	5.8	6.8	992.6	936.2	13	6822.5

08/12/2019 18:45	5.8	6.6	992.1	936	13	6823.1
08/12/2019 19:00	5.8	6.4	992.2	936.2	13	6822.5
08/12/2019 19:15	5.8	6.3	992.2	936.2	13	6822.5
08/12/2019 19:30	5.8	6.2	992.1	936.2	13	6822.5
08/12/2019 19:45	5.8	6.1	991.8	936.2	13	6822.5
08/12/2019 20:00	5.8	6	992	936.2	13	6822.5
08/12/2019 20:15	5.8	6	991.7	936.2	13	6822.5
08/12/2019 20:30	5.8	5.9	991.3	936.3	13	6822
08/12/2019 20:45	5.8	5.8	990.9	936	13	6823.1
08/12/2019 21:00	5.8	5.8	990.9	936.2	13	6822.5
08/12/2019 21:15	5.8	5.7	990.8	936.2	13	6822.5
08/12/2019 21:30	5.8	5.6	990.8	936	13	6823.1
08/12/2019 21:45	5.8	5.5	990.4	936	13	6823.1
08/12/2019 22:00	5.8	5.4	990.3	936	13	6823.1
08/12/2019 22:15	5.8	5.4	990.1	936.2	13	6822.5
08/12/2019 22:30	5.8	5.3	990	936.2	13	6822.5
08/12/2019 22:45	5.8	5.3	989.7	936	13	6823.1
08/12/2019 23:00	5.8	5.2	989.4	936	13	6823.1
08/12/2019 23:15	5.8	5.1	989	935.9	13	6823.6
08/12/2019 23:30	5.8	5	989	936	13	6823.1
08/12/2019 23:45	5.8	5	988.8	935.9	13	6823.6
09/12/2019 00:00	5.8	5	988.7	935.9	13	6823.6
09/12/2019 00:15	5.8	4.9	988.8	935.9	13	6823.6
09/12/2019 00:30	5.8	4.8	988.7	935.9	13	6823.6
09/12/2019 00:45	5.8	4.7	988.6	935.9	13	6823.6
09/12/2019 01:00	5.8	4.6	988.6	935.5	13	6824.6
09/12/2019 01:15	5.8	4.5	988	935.5	13	6824.6
09/12/2019 01:30	5.8	4.3	988.1	935.7	13	6824.1
09/12/2019 01:45	5.8	4.3	988.1	935.6	13	6824.6
09/12/2019 02:00	5.8	4.2	987.9	935.7	13	6824.1
09/12/2019 02:15	5.8	4	988.2	935.5	13	6824.6
09/12/2019 02:30	5.8	3.8	988.2	935.5	13	6824.6
09/12/2019 02:45	5.8	3.6	988.3	935.7	13	6824.1
09/12/2019 03:00	5.8	3.6	988.2	935.9	13	6823.6
09/12/2019 03:15	5.8	3.6	988.3	935.5	13	6824.6
09/12/2019 03:30	5.8	3.9	988.5	935.7	13	6824.1
09/12/2019 03:45	5.8	4.2	988.9	935.9	13	6823.6
09/12/2019 04:00	5.8	4.3	989.1	935.9	13	6823.6
09/12/2019 04:15	5.8	4.3	989.3	936	13	6823.1
09/12/2019 04:30	5.8	4.4	989.7	936	13	6823.1
09/12/2019 04:45	5.8	4.6	989.9	936	13	6823.1
09/12/2019 05:00	5.8	4.7	990.1	936	13	6823.1
09/12/2019 05:15	5.8	5.1	990.8	935.9	13	6823.6
09/12/2019 05:30	5.8	5.4	990.7	936	13	6823.1
09/12/2019 05:45	5.8	5.5	991.1	936.2	13	6822.5
09/12/2019 06:00	5.8	5.5	991.6	936.2	13	6822.5
09/12/2019 06:15	5.8	5.5	992.3	936.2	13	6822.5
09/12/2019 06:30	5.8	5.5	992.5	936.3	13	6822
09/12/2019 06:45	5.8	5.5	993.1	936.2	13	6822.5
09/12/2019 07:00	5.8	5.7	993.4	936.2	13	6822.5

09/12/2019 07:15	5.8	5.8	994.1	936.3	13	6822
09/12/2019 07:30	5.8	6	994.3	936.3	13	6822
09/12/2019 07:45	5.8	6.1	995.1	936.5	13	6821.5
09/12/2019 08:00	5.8	6.3	995.2	936.5	13	6821.5
09/12/2019 08:15	5.8	6.5	996.4	936.5	13	6821.5
09/12/2019 08:30	5.8	6.7	996.3	936.3	13	6822
09/12/2019 08:45	5.8	6.6	997.2	936.5	13	6821.5
09/12/2019 09:00	5.8	6.7	997.6	936.2	13	6822.5
09/12/2019 09:15	5.8	6.9	998.5	936.5	13	6821.5
09/12/2019 09:30	5.8	7.1	998.8	936.8	13	6820.5
09/12/2019 09:45	5.8	7.4	999.5	936.2	13	6822.5
09/12/2019 10:00	5.8	7.7	1000.4	936.3	13	6822
09/12/2019 10:15	6.1	8	1000.8	936.5	13	6821.5
09/12/2019 10:30	5.8	8.3	1001.2	936.3	13	6822
09/12/2019 10:45	5.8	8.3	1001.9	936.5	13	6821.5
09/12/2019 11:00	5.8	8.3	1002.7	936.3	13	6822
09/12/2019 11:15	5.8	8.4	1002.6	936.3	13	6822
09/12/2019 11:30	5.8	8.4	1003.8	936.5	13	6821.5
09/12/2019 11:45	5.8	8.1	1004.6	936.2	13	6822.5
09/12/2019 12:00	5.8	7.9	1005.2	936	13	6823.1
09/12/2019 12:15	5.8	8	1005.5	936	13	6823.1
09/12/2019 12:30	5.8	8.1	1005.4	936.2	13	6822.5
09/12/2019 12:45	5.8	8.4	1006.6	936.3	13	6822
09/12/2019 13:00	5.8	8.6	1007	936.8	13	6820.5
09/12/2019 13:15	5.8	8.7	1007.8	936.2	13	6822.5
09/12/2019 13:30	5.8	8.6	1008.1	936.2	13	6822.5
09/12/2019 13:45	5.8	8.5	1009	936.2	13	6822.5
09/12/2019 14:00	5.8	8.4	1009.4	936.3	13	6822
09/12/2019 14:15	5.8	8.3	1009.8	936	13	6823.1
09/12/2019 14:30	5.8	8.1	1010.7	936.2	13	6822.5
09/12/2019 14:45	5.8	8	1011.1	936.3	13	6822
09/12/2019 15:00	5.8	7.7	1011.8	936.3	13	6822
09/12/2019 15:15	5.8	7.5	1012.5	936.5	13	6821.5
09/12/2019 15:30	5.8	6.9	1013	936.2	13	6822.5
09/12/2019 15:45	5.8	6.4	1013.1	936.3	13	6822
09/12/2019 16:00	5.8	6.2	1014.1	936.5	13	6821.5
09/12/2019 16:15	5.8	6	1014.1	936.8	13	6820.5
09/12/2019 16:30	5.8	5.8	1014.5	936.8	13	6820.5
09/12/2019 16:45	5.8	5.8	1015.3	936.7	13	6821
09/12/2019 17:00	5.8	5.7	1015.3	937	13	6819.9
09/12/2019 17:15	5.8	5.5	1015.7	937.1	13	6819.4
09/12/2019 17:30	5.8	5.3	1016	937.1	13	6819.4
09/12/2019 17:45	5.8	5.1	1016.5	937.1	13	6819.4
09/12/2019 18:00	5.8	5	1017	936.8	13	6820.5
09/12/2019 18:15	5.8	4.8	1017.3	937.3	13	6818.9
09/12/2019 18:30	5.8	4.7	1017.8	937.1	13	6819.4
09/12/2019 18:45	5.8	4.5	1017.8	937.3	13	6818.9
09/12/2019 19:00	5.8	4.4	1018.5	937.3	13	6818.9
09/12/2019 19:15	5.8	4.2	1019.3	937.1	13	6819.4
09/12/2019 19:30	5.8	4.1	1019.4	937.5	13	6818.4

09/12/2019 19:45	5.8	3.9	1019.7	937.1	13	6819.4
09/12/2019 20:00	5.8	3.8	1020.2	937.5	13	6818.4
09/12/2019 20:15	5.8	3.6	1020.3	937.1	13	6819.4
09/12/2019 20:30	5.8	3.5	1020.3	937.1	13	6819.4
09/12/2019 20:45	5.8	3.3	1020.7	937.5	13	6818.4
09/12/2019 21:00	5.8	3.2	1021.2	937.3	13	6818.9
09/12/2019 21:15	5.8	3	1021.2	937.5	13	6818.4
09/12/2019 21:30	5.8	2.8	1021.6	937.3	13	6818.9
09/12/2019 21:45	5.8	2.6	1021.5	937.6	13	6817.8
09/12/2019 22:00	5.9	2.3	1021.4	937.3	13	6818.9
09/12/2019 22:15	5.9	1.9	1021.7	937.3	13	6818.9
09/12/2019 22:30	5.9	1.6	1022.1	937.1	13	6819.4
09/12/2019 22:45	5.9	1.3	1022.2	937.1	13	6819.4
09/12/2019 23:00	5.9	1	1022.2	937.3	13	6818.9
09/12/2019 23:15	5.9	0.8	1022.6	937.3	13	6818.9
09/12/2019 23:30	5.9	0.6	1022.7	937.3	13	6818.9
09/12/2019 23:45	5.9	0.4	1022.6	937.1	13	6819.4
10/12/2019 00:00	5.9	0.3	1022.8	936.7	13	6821
10/12/2019 00:15	5.9	0.2	1022.5	937.1	13	6819.4
10/12/2019 00:30	5.9	0.1	1022.5	937.1	13	6819.4
10/12/2019 00:45	5.9	0	1022.3	937	13	6819.9
10/12/2019 01:00	5.9	0	1022.4	937	13	6819.9
10/12/2019 01:15	5.9	-0.1	1022.5	937	13	6819.9
10/12/2019 01:30	5.9	-0.2	1022.7	936.8	13	6820.5
10/12/2019 01:45	5.9	-0.3	1022.5	936.7	13	6821
10/12/2019 02:00	5.9	-0.4	1022.7	936.7	13	6821
10/12/2019 02:15	5.9	-0.4	1022.6	936.8	13	6820.5
10/12/2019 02:30	5.9	-0.5	1022.3	936.8	13	6820.5
10/12/2019 02:45	5.9	-0.5	1022.5	936.8	13	6820.5
10/12/2019 03:00	5.9	-0.5	1022.3	936.7	13	6821
10/12/2019 03:15	5.9	-0.6	1022.3	936.7	13	6821
10/12/2019 03:30	5.9	-0.6	1022	936.7	13	6821
10/12/2019 03:45	5.9	-0.6	1022.3	936.5	13	6821.5
10/12/2019 04:00	5.9	-0.6	1022.1	936.7	13	6821
10/12/2019 04:15	5.9	-0.6	1021.8	936.7	13	6821
10/12/2019 04:30	5.9	-0.6	1021.5	936.7	13	6821
10/12/2019 04:45	5.9	-0.4	1021.3	936.8	13	6820.5
10/12/2019 05:00	5.9	-0.1	1021.3	936.7	13	6821
10/12/2019 05:15	5.9	0.1	1020.7	936.8	13	6820.5
10/12/2019 05:30	5.9	0.4	1020.6	936.7	13	6821
10/12/2019 05:45	5.9	0.7	1020.3	936.8	13	6820.5
10/12/2019 06:00	5.9	0.8	1020	936.8	13	6820.5
10/12/2019 06:15	5.9	1	1019.9	936.8	13	6820.5
10/12/2019 06:30	5.9	1.1	1020	936.8	13	6820.5
10/12/2019 06:45	5.9	1.4	1019	936.8	13	6820.5
10/12/2019 07:00	5.9	1.8	1018.6	936.7	13	6821
10/12/2019 07:15	5.8	2.3	1018.5	936.7	13	6821
10/12/2019 07:30	5.8	2.6	1018.4	936.8	13	6820.5
10/12/2019 07:45	5.8	3	1018	936.7	13	6821
10/12/2019 08:00	5.8	3.3	1018.3	936.8	13	6820.5

10/12/2019 08:15	5.8	3.8	1017.3	936.7	13	6821
10/12/2019 08:30	5.8	4.3	1017.2	936.7	13	6821
10/12/2019 08:45	5.8	4.8	1016.3	936.5	13	6821.5
10/12/2019 09:00	5.8	5.3	1016.3	936.7	13	6821
10/12/2019 09:15	5.8	5.7	1016.3	936.5	13	6821.5
10/12/2019 09:30	5.8	6.1	1016.2	936.7	13	6821
10/12/2019 09:45	5.8	6.5	1015.6	936.8	13	6820.5
10/12/2019 10:00	5.8	6.9	1015.5	936.8	13	6820.5
10/12/2019 10:15	5.8	7.3	1014.6	936.7	13	6821
10/12/2019 10:30	5.8	7.6	1014.1	936.5	13	6821.5
10/12/2019 10:45	5.8	7.9	1013.8	936.3	13	6822
10/12/2019 11:00	5.8	8.3	1013	936.3	13	6822
10/12/2019 11:15	5.8	8.6	1012.3	936.3	13	6822
10/12/2019 11:30	5.8	8.8	1011.9	936.3	13	6822
10/12/2019 11:45	5.8	8.9	1011.5	936.3	13	6822
10/12/2019 12:00	5.8	9	1011.1	936.3	13	6822
10/12/2019 12:15	5.8	9.1	1010.7	936.3	13	6822
10/12/2019 12:30	5.8	9	1010.4	936.3	13	6822
10/12/2019 12:45	5.8	8.9	1009.8	936.3	13	6822
10/12/2019 13:00	5.8	8.8	1009.9	936.3	13	6822
10/12/2019 13:15	5.8	8.7	1009.2	936.2	13	6822.5
10/12/2019 13:30	5.8	8.7	1008.5	936.2	13	6822.5
10/12/2019 13:45	5.8	8.7	1008.5	936.2	13	6822.5
10/12/2019 14:00	5.8	8.7	1008.2	936.2	13	6822.5
10/12/2019 14:15	5.8	8.7	1007.9	936	13	6823.1
10/12/2019 14:30	5.8	8.7	1007.3	935.9	13	6823.6
10/12/2019 14:45	5.8	8.7	1006.9	935.9	13	6823.6
10/12/2019 15:00	5.8	8.8	1006.8	936	13	6823.1
10/12/2019 15:15	5.8	8.8	1006.6	936	13	6823.1
10/12/2019 15:30	5.8	8.8	1005.8	935.9	13	6823.6
10/12/2019 15:45	5.8	8.8	1005.3	935.9	13	6823.6
10/12/2019 16:00	5.8	8.8	1004.9	935.9	13	6823.6
10/12/2019 16:15	5.8	8.9	1004.7	935.9	13	6823.6
10/12/2019 16:30	5.8	8.9	1004.3	935.9	13	6823.6
10/12/2019 16:45	5.8	9	1004.2	935.9	13	6823.6
10/12/2019 17:00	5.8	9.1	1003.8	935.9	13	6823.6
10/12/2019 17:15	5.8	9.1	1003.4	935.5	13	6824.6
10/12/2019 17:30	5.8	9.1	1002.7	935.9	13	6823.6
10/12/2019 17:45	5.8	9.1	1002.6	935.5	13	6824.6
10/12/2019 18:00	5.8	9.1	1002.3	935.9	13	6823.6
10/12/2019 18:15	5.8	9.2	1002	935.5	13	6824.6
10/12/2019 18:30	5.8	9.3	1002	935.7	13	6824.1
10/12/2019 18:45	5.8	9.4	1001.6	935.9	13	6823.6
10/12/2019 19:00	5.8	9.5	1001.3	935.5	13	6824.6
10/12/2019 19:15	5.8	9.6	1001.2	935.7	13	6824.1
10/12/2019 19:30	5.8	9.7	1001.3	935.9	13	6823.6
10/12/2019 19:45	5.8	9.7	1001	935.9	13	6823.6
10/12/2019 20:00	5.8	9.7	1001.1	935.5	13	6824.6
10/12/2019 20:15	5.8	9.8	1000.5	935.9	13	6823.6
10/12/2019 20:30	5.8	9.8	1000.7	935.9	13	6823.6

10/12/2019 20:45	5.8	9.9	1000.5	935.9	13	6823.6
10/12/2019 21:00	5.8	9.9	1000.4	935.7	13	6824.1
10/12/2019 21:15	5.8	9.9	1000.4	935.5	13	6824.6
10/12/2019 21:30	5.8	9.9	1001	935.9	13	6823.6
10/12/2019 21:45	5.8	9.9	1001.2	935.9	13	6823.6
10/12/2019 22:00	5.8	9.9	1001.8	935.9	13	6823.6
10/12/2019 22:15	5.8	9.8	1002	935.9	13	6823.6
10/12/2019 22:30	5.8	9.7	1002.5	935.9	13	6823.6
10/12/2019 22:45	5.8	9.5	1002.7	935.9	13	6823.6
10/12/2019 23:00	5.8	9.2	1003	935.9	13	6823.6
10/12/2019 23:15	5.8	8.9	1003.3	935.9	13	6823.6
10/12/2019 23:30	5.8	8.7	1003.1	936	13	6823.1
10/12/2019 23:45	5.8	8.5	1003.5	935.9	13	6823.6
11/12/2019 00:00	5.8	8.3	1003.4	935.9	13	6823.6
11/12/2019 00:15	5.8	8.2	1003.4	935.9	13	6823.6
11/12/2019 00:30	5.8	8	1004	935.9	13	6823.6
11/12/2019 00:45	5.8	7.8	1004	935.9	13	6823.6
11/12/2019 01:00	5.8	7.4	1004.3	935.9	13	6823.6
11/12/2019 01:15	5.8	7.2	1004.6	936	13	6823.1
11/12/2019 01:30	5.8	6.9	1004.8	935.9	13	6823.6
11/12/2019 01:45	5.8	6.7	1004.8	936	13	6823.1
11/12/2019 02:00	5.8	6.5	1004.4	935.9	13	6823.6
11/12/2019 02:15	5.8	6.3	1004.9	936	13	6823.1
11/12/2019 02:30	5.8	6	1004.9	935.9	13	6823.6
11/12/2019 02:45	5.8	5.7	1004.9	936.2	13	6822.5
11/12/2019 03:00	5.8	5.2	1004.9	936.2	13	6822.5
11/12/2019 03:15	5.8	4.9	1005	936.2	13	6822.5
11/12/2019 03:30	5.8	4.5	1005.1	936.2	13	6822.5
11/12/2019 03:45	5.8	4.2	1005.2	936.2	13	6822.5
11/12/2019 04:00	5.8	4	1005.2	936.2	13	6822.5
11/12/2019 04:15	5.8	3.8	1005.3	936.3	13	6822
11/12/2019 04:30	5.8	3.5	1005.3	936.3	13	6822
11/12/2019 04:45	5.8	3.3	1005	936.3	13	6822
11/12/2019 05:00	5.8	3	1005.3	936.3	13	6822
11/12/2019 05:15	5.8	2.8	1005.5	936.3	13	6822
11/12/2019 05:30	5.8	2.7	1005.2	936.3	13	6822
11/12/2019 05:45	5.8	2.5	1005.2	936.3	13	6822
11/12/2019 06:00	5.8	2.5	1005.2	936.5	13	6821.5
11/12/2019 06:15	5.8	2.4	1005	936.5	13	6821.5
11/12/2019 06:30	5.8	2.3	1004.8	936.7	13	6821
11/12/2019 06:45	5.8	2.3	1005.1	936.7	13	6821
11/12/2019 07:00	5.8	2.2	1004.8	936.7	13	6821
11/12/2019 07:15	5.8	2.1	1004.7	936.7	13	6821
11/12/2019 07:30	5.8	2	1004.9	936.7	13	6821
11/12/2019 07:45	5.8	2	1005	936.8	13	6820.5
11/12/2019 08:00	5.8	1.8	1004.9	936.5	13	6821.5
11/12/2019 08:15	5.8	1.8	1004.9	936.8	13	6820.5
11/12/2019 08:30	5.8	1.8	1004.7	936.8	13	6820.5
11/12/2019 08:45	5.8	2	1004.7	936.7	13	6821
11/12/2019 09:00	5.8	2.2	1004.6	936.8	13	6820.5

11/12/2019 09:15	5.8	2.5	1004.5	936.8	13	6820.5
11/12/2019 09:30	5.8	2.8	1004.3	936.8	13	6820.5
11/12/2019 09:45	5.8	3.2	1004.2	936.8	13	6820.5
11/12/2019 10:00	5.8	3.6	1004.2	936.8	13	6820.5
11/12/2019 10:15	5.8	3.8	1003.6	936.8	13	6820.5
11/12/2019 10:30	5.8	4.1	1003.4	936.7	13	6821
11/12/2019 10:45	5.8	4.3	1003.2	936.8	13	6820.5
11/12/2019 11:00	5.8	4.6	1002.9	936.8	13	6820.5
11/12/2019 11:15	5.8	4.9	1002.7	936.8	13	6820.5
11/12/2019 11:30	5.8	5.3	1002	936.8	13	6820.5
11/12/2019 11:45	5.8	5.8	1001.8	936.7	13	6821
11/12/2019 12:00	5.8	6.1	1001.8	936.7	13	6821
11/12/2019 12:15	5.8	6.3	1001.4	936.5	13	6821.5
11/12/2019 12:30	5.8	6.6	1001	936.7	13	6821
11/12/2019 12:45	5.8	6.9	1000.9	936.5	13	6821.5
11/12/2019 13:00	5.8	7	1000.5	936.3	13	6822
11/12/2019 13:15	5.8	7	1000.1	936.3	13	6822
11/12/2019 13:30	5.8	7	1000.3	936.3	13	6822
11/12/2019 13:45	5.8	6.9	999.8	936.3	13	6822
11/12/2019 14:00	5.8	6.9	999.4	936.2	13	6822.5
11/12/2019 14:15	5.8	6.8	999.5	936.2	13	6822.5
11/12/2019 14:30	5.8	6.7	999	936.2	13	6822.5
11/12/2019 14:45	5.8	6.5	998.8	936.2	13	6822.5
11/12/2019 15:00	5.8	6.3	999.1	936.2	13	6822.5
11/12/2019 15:15	5.8	6.1	999.1	936.2	13	6822.5
11/12/2019 15:30	5.8	5.9	999	936.2	13	6822.5
11/12/2019 15:45	5.8	5.6	999	936.2	13	6822.5
11/12/2019 16:00	5.8	5.3	998.4	936	13	6823.1
11/12/2019 16:15	5.8	5.1	998.6	936	13	6823.1
11/12/2019 16:30	5.8	5	998.6	936.2	13	6822.5
11/12/2019 16:45	5.8	5	998.8	936	13	6823.1
11/12/2019 17:00	5.8	5	998.4	936.2	13	6822.5
11/12/2019 17:15	5.8	5.1	998.5	936	13	6823.1
11/12/2019 17:30	5.8	5.2	998.4	936.2	13	6822.5
11/12/2019 17:45	5.8	5.4	998.3	936.2	13	6822.5
11/12/2019 18:00	5.8	5.5	998.4	936.2	13	6822.5
11/12/2019 18:15	5.8	5.5	998	936	13	6823.1
11/12/2019 18:30	5.8	5.4	998.3	936.2	13	6822.5
11/12/2019 18:45	5.8	5.2	998.3	936.2	13	6822.5
11/12/2019 19:00	5.8	5	998.1	936.2	13	6822.5
11/12/2019 19:15	5.8	4.8	998.3	936.3	13	6822
11/12/2019 19:30	5.8	4.5	998.5	936.2	13	6822.5
11/12/2019 19:45	5.8	4.4	998.8	936.2	13	6822.5
11/12/2019 20:00	5.8	4.4	998.5	936.3	13	6822
11/12/2019 20:15	5.8	4.4	998.5	936.3	13	6822
11/12/2019 20:30	5.8	4.5	998.5	936.3	13	6822
11/12/2019 20:45	5.8	4.7	999.1	936.3	13	6822
11/12/2019 21:00	5.8	4.7	999.2	936.3	13	6822
11/12/2019 21:15	5.8	4.6	998.8	936.3	13	6822
11/12/2019 21:30	5.8	4.4	999.3	936.5	13	6821.5

11/12/2019 21:45	5.8	4.3	999.4	936.3	13	6822
11/12/2019 22:00	5.8	4.1	999.4	936.3	13	6822
11/12/2019 22:15	5.8	3.8	999.7	936.3	13	6822
11/12/2019 22:30	5.8	3.4	999.6	936.3	13	6822
11/12/2019 22:45	5.8	3	999.6	936.3	13	6822
11/12/2019 23:00	5.8	2.6	999.6	936.3	13	6822
11/12/2019 23:15	5.8	2.3	999.4	936.3	13	6822
11/12/2019 23:30	5.8	2	999.5	936.5	13	6821.5
11/12/2019 23:45	5.8	1.7	999.4	936.3	13	6822
12/12/2019 00:00	5.8	1.5	999.7	936.3	13	6822
12/12/2019 00:15	5.8	1.3	999.8	936.2	13	6822.5
12/12/2019 00:30	5.9	1.1	999.7	936.3	13	6822
12/12/2019 00:45	5.9	1	999.9	936.2	13	6822.5
12/12/2019 01:00	5.9	0.8	999.5	936.2	13	6822.5
12/12/2019 01:15	5.9	0.7	999.6	936	13	6823.1
12/12/2019 01:30	5.9	0.6	999.7	936	13	6823.1
12/12/2019 01:45	5.9	0.6	999.3	936.3	13	6822
12/12/2019 02:00	5.9	0.6	999.5	936.2	13	6822.5
12/12/2019 02:15	5.9	0.6	999.7	936.2	13	6822.5
12/12/2019 02:30	5.9	0.6	999.6	936	13	6823.1
12/12/2019 02:45	5.9	0.6	999.6	936	13	6823.1
12/12/2019 03:00	5.9	0.4	999.5	936	13	6823.1
12/12/2019 03:15	5.9	0.3	999.4	936	13	6823.1
12/12/2019 03:30	5.9	0.2	999.4	936	13	6823.1
12/12/2019 03:45	5.9	0.2	999.3	936	13	6823.1
12/12/2019 04:00	5.9	0.2	999.1	936	13	6823.1
12/12/2019 04:15	5.9	0.1	999.1	935.9	13	6823.6
12/12/2019 04:30	5.9	0	998.9	935.9	13	6823.6
12/12/2019 04:45	5.9	0.1	998.5	936	13	6823.1
12/12/2019 05:00	5.9	0	998.4	935.9	13	6823.6
12/12/2019 05:15	5.9	-0.1	998.4	936	13	6823.1
12/12/2019 05:30	5.9	-0.1	998.3	936.2	13	6822.5
12/12/2019 05:45	5.9	-0.2	997.9	936	13	6823.1
12/12/2019 06:00	5.9	-0.3	998.2	936	13	6823.1
12/12/2019 06:15	5.9	-0.3	997.7	936	13	6823.1
12/12/2019 06:30	5.9	-0.3	997.5	936.2	13	6822.5
12/12/2019 06:45	5.9	-0.3	997.5	936.2	13	6822.5
12/12/2019 07:00	5.9	-0.2	997	936.2	13	6822.5
12/12/2019 07:15	5.9	-0.1	996.7	936	13	6823.1
12/12/2019 07:30	5.9	0.1	996.5	936	13	6823.1
12/12/2019 07:45	5.9	0.2	996.2	936.2	13	6822.5
12/12/2019 08:00	5.9	0.3	996	936.2	13	6822.5
12/12/2019 08:15	5.9	0.4	995.8	936	13	6823.1
12/12/2019 08:30	5.9	0.4	995.5	936.2	13	6822.5
12/12/2019 08:45	5.9	0.6	995.2	936.2	13	6822.5
12/12/2019 09:00	5.8	1	994.7	936.2	13	6822.5
12/12/2019 09:15	5.8	1.6	994.3	936.3	13	6822
12/12/2019 09:30	5.8	2.2	993.8	936	13	6823.1
12/12/2019 09:45	5.8	2.8	993.7	936.3	13	6822
12/12/2019 10:00	5.8	3.6	992.8	936.2	13	6822.5

12/12/2019 10:15	5.8	4.4	992.4	936.2	13	6822.5
12/12/2019 10:30	5.8	5.2	991.9	936	13	6823.1
12/12/2019 10:45	5.8	6	991.2	936.2	13	6822.5
12/12/2019 11:00	5.8	6.6	990.7	936	13	6823.1
12/12/2019 11:15	5.8	6.8	990	936	13	6823.1
12/12/2019 11:30	5.8	7	990	936.2	13	6822.5
12/12/2019 11:45	5.8	7.2	989.1	936	13	6823.1
12/12/2019 12:00	5.8	7.2	988.9	936	13	6823.1
12/12/2019 12:15	5.8	7.3	987.9	935.9	13	6823.6
12/12/2019 12:30	5.8	7.3	987.5	936	13	6823.1
12/12/2019 12:45	5.8	7.3	987	935.7	13	6824.1
12/12/2019 13:00	5.8	7.3	986.5	935.5	13	6824.6
12/12/2019 13:15	5.8	7.2	986	935.7	13	6824.1
12/12/2019 13:30	5.8	7.2	985.6	935.5	13	6824.6
12/12/2019 13:45	5.8	7.2	984.6	935.5	13	6824.6
12/12/2019 14:00	5.8	7.2	984.6	935.4	13	6825.2
12/12/2019 14:15	5.8	7.2	983.8	935.4	13	6825.2
12/12/2019 14:30	5.8	7.2	983.1	935.4	13	6825.2
12/12/2019 14:45	5.8	7.2	982.8	935.2	13	6825.7
12/12/2019 15:00	5.8	7.3	982.6	935	13	6826.2
12/12/2019 15:15	5.8	7.3	982.3	935.2	13	6825.7
12/12/2019 15:30	5.8	7.4	981.8	935	13	6826.2
12/12/2019 15:45	5.8	7.5	981.5	934.9	13	6826.7
12/12/2019 16:00	5.8	7.5	981	935	13	6826.2
12/12/2019 16:15	5.8	7.5	980.5	934.9	13	6826.7
12/12/2019 16:30	5.8	7.5	980.3	935	13	6826.2
12/12/2019 16:45	5.8	7.5	979.5	935	13	6826.2
12/12/2019 17:00	5.8	7.5	979.3	934.9	13	6826.7
12/12/2019 17:15	5.8	7.6	978.7	934.9	13	6826.7
12/12/2019 17:30	5.8	7.6	978.4	934.7	13	6827.2
12/12/2019 17:45	5.8	7.6	977.7	934.9	13	6826.7
12/12/2019 18:00	5.8	7.6	977.4	934.9	13	6826.7
12/12/2019 18:15	5.8	7.6	977	934.9	13	6826.7
12/12/2019 18:30	5.8	7.6	976.7	934.9	13	6826.7
12/12/2019 18:45	5.8	7.6	976.2	934.9	13	6826.7
12/12/2019 19:00	5.8	7.6	975.7	934.9	13	6826.7
12/12/2019 19:15	5.8	7.6	975	934.9	13	6826.7
12/12/2019 19:30	5.8	7.6	974.9	934.7	13	6827.2
12/12/2019 19:45	5.8	7.6	974.2	934.7	13	6827.2
12/12/2019 20:00	5.8	7.6	973.6	934.9	13	6826.7
12/12/2019 20:15	5.8	7.6	972.7	934.9	13	6826.7
12/12/2019 20:30	5.8	7.6	972.3	934.9	13	6826.7
12/12/2019 20:45	5.8	7.7	972	934.9	13	6826.7
12/12/2019 21:00	5.8	7.7	971.5	934.9	13	6826.7
12/12/2019 21:15	5.8	7.8	970.8	934.9	13	6826.7
12/12/2019 21:30	5.8	7.8	970.7	934.9	13	6826.7
12/12/2019 21:45	5.8	7.7	970.8	934.9	13	6826.7
12/12/2019 22:00	5.8	7.7	970.5	934.7	13	6827.2
12/12/2019 22:15	5.8	7.6	970.5	934.7	13	6827.2
12/12/2019 22:30	5.8	7.4	970.5	934.9	13	6826.7

12/12/2019 22:45	5.8	7	970.5	934.9	13	6826.7
12/12/2019 23:00	5.8	6.8	970.3	934.9	13	6826.7
12/12/2019 23:15	5.8	6.7	969.8	934.7	13	6827.2
12/12/2019 23:30	5.8	6.5	969.7	934.9	13	6826.7
12/12/2019 23:45	5.8	6.5	969.6	934.7	13	6827.2
13/12/2019 00:00	5.8	6.7	969.5	934.9	13	6826.7
13/12/2019 00:15	5.8	6.8	969.1	934.7	13	6827.2
13/12/2019 00:30	5.8	6.8	969	934.7	13	6827.2
13/12/2019 00:45	5.8	6.9	969	934.7	13	6827.2
13/12/2019 01:00	5.8	6.9	968.5	934.6	13	6827.8
13/12/2019 01:15	5.8	7	968.3	934.6	13	6827.8
13/12/2019 01:30	5.8	6.9	968.2	934.6	13	6827.8
13/12/2019 01:45	5.8	6.9	968	934.2	13	6828.8
13/12/2019 02:00	5.8	6.8	967.7	934.2	13	6828.8
13/12/2019 02:15	5.8	6.8	967.6	934.2	13	6828.8
13/12/2019 02:30	5.8	6.7	967.7	934.4	13	6828.3
13/12/2019 02:45	5.8	6.6	967.5	934.2	13	6828.8
13/12/2019 03:00	5.8	6.5	967.7	934.4	13	6828.3
13/12/2019 03:15	5.8	6.3	967.5	934.4	13	6828.3
13/12/2019 03:30	5.8	6.2	967.2	934.2	13	6828.8
13/12/2019 03:45	5.8	6.1	967.7	934.2	13	6828.8
13/12/2019 04:00	5.8	6	967.6	934.1	13	6829.3
13/12/2019 04:15	5.8	5.9	967.3	934.4	13	6828.3
13/12/2019 04:30	5.8	5.9	967.6	934.6	13	6827.8
13/12/2019 04:45	5.8	5.9	967.3	934.2	13	6828.8
13/12/2019 05:00	5.8	6	967.9	934.2	13	6828.8
13/12/2019 05:15	5.8	6.1	967.9	934.2	13	6828.8
13/12/2019 05:30	5.8	6.3	968.3	934.2	13	6828.8
13/12/2019 05:45	5.8	6.4	968.5	934.4	13	6828.3
13/12/2019 06:00	5.8	6.6	968.8	934.6	13	6827.8
13/12/2019 06:15	5.8	6.7	969.2	934.6	13	6827.8
13/12/2019 06:30	5.8	6.8	969.5	934.6	13	6827.8
13/12/2019 06:45	5.8	6.9	969.7	934.6	13	6827.8
13/12/2019 07:00	5.8	6.9	970.1	934.6	13	6827.8
13/12/2019 07:15	5.8	7	970.2	934.7	13	6827.2
13/12/2019 07:30	5.8	7.1	970.8	934.7	13	6827.2
13/12/2019 07:45	5.8	7.1	971	934.9	13	6826.7
13/12/2019 08:00	5.8	7	971.6	934.9	13	6826.7
13/12/2019 08:15	5.8	6.9	972.2	934.9	13	6826.7
13/12/2019 08:30	5.8	6.8	972.6	935	13	6826.2
13/12/2019 08:45	5.8	6.8	972.5	935	13	6826.2
13/12/2019 09:00	5.8	6.8	973.1	935	13	6826.2
13/12/2019 09:15	5.8	6.9	973.7	935.2	13	6825.7
13/12/2019 09:30	5.8	6.9	973.8	935	13	6826.2
13/12/2019 09:45	5.8	6.9	974.2	935.2	13	6825.7
13/12/2019 10:00	5.8	7.1	974.5	935.2	13	6825.7
13/12/2019 10:15	5.8	7.3	975.1	935.4	13	6825.2
13/12/2019 10:30	5.8	7.5	975	935.4	13	6825.2
13/12/2019 10:45	5.8	7.7	975.4	935.2	13	6825.7
13/12/2019 11:00	5.8	7.8	975.4	935.4	13	6825.2

13/12/2019 11:15	5.8	8	975.6	935.4	13	6825.2
13/12/2019 11:30	5.8	8.4	975.5	935.4	13	6825.2
13/12/2019 11:45	5.8	8.7	976.1	935.5	13	6824.6
13/12/2019 12:00	5.8	9	976	935.4	13	6825.2
13/12/2019 12:15	5.8	8.9	976.2	935.4	13	6825.2
13/12/2019 12:30	5.8	9	976.3	935.4	13	6825.2
13/12/2019 12:45	5.8	9.2	976.8	935.4	13	6825.2
13/12/2019 13:00	5.8	9.3	976.8	935.4	13	6825.2
13/12/2019 13:15	5.8	9.3	977.1	935.4	13	6825.2
13/12/2019 13:30	5.8	9.3	977.6	935	13	6826.2
13/12/2019 13:45	5.8	9.1	977.8	935.2	13	6825.7
13/12/2019 14:00	5.8	8.8	977.6	935.2	13	6825.7
13/12/2019 14:15	5.8	8.6	978	935.2	13	6825.7
13/12/2019 14:30	5.8	8.4	978.1	935.2	13	6825.7
13/12/2019 14:45	5.8	8.4	978.8	935	13	6826.2
13/12/2019 15:00	5.8	8.3	978.6	935.2	13	6825.7
13/12/2019 15:15	5.8	8.2	978.7	935	13	6826.2
13/12/2019 15:30	5.8	8	978.4	935	13	6826.2
13/12/2019 15:45	5.8	7.7	978.6	935	13	6826.2
13/12/2019 16:00	5.8	7.5	979.2	935	13	6826.2
13/12/2019 16:15	5.8	7.3	979.2	935	13	6826.2
13/12/2019 16:30	5.8	7.2	979.5	935	13	6826.2
13/12/2019 16:45	5.8	7.1	979.6	935	13	6826.2
13/12/2019 17:00	5.8	7	979.5	934.9	13	6826.7
13/12/2019 17:15	5.8	6.9	979.7	934.9	13	6826.7
13/12/2019 17:30	5.8	7	979.6	935	13	6826.2
13/12/2019 17:45	5.8	7	979.4	934.9	13	6826.7
13/12/2019 18:00	5.8	6.9	979.3	935	13	6826.2
13/12/2019 18:15	5.8	6.6	979.4	935	13	6826.2
13/12/2019 18:30	5.8	6.2	979.3	935	13	6826.2
13/12/2019 18:45	5.8	5.9	979.6	935	13	6826.2
13/12/2019 19:00	5.8	5.7	979.7	935.2	13	6825.7
13/12/2019 19:15	5.8	5.6	979.5	935	13	6826.2
13/12/2019 19:30	5.8	5.4	979.8	935.2	13	6825.7
13/12/2019 19:45	5.8	5.2	979.4	935.2	13	6825.7
13/12/2019 20:00	5.8	5.2	979.3	935	13	6826.2
13/12/2019 20:15	5.8	5.2	979.3	935.2	13	6825.7
13/12/2019 20:30	5.8	5.2	978.5	935.2	13	6825.7
13/12/2019 20:45	5.8	5.2	978.6	935.2	13	6825.7
13/12/2019 21:00	5.8	5.2	978.3	935.2	13	6825.7
13/12/2019 21:15	5.8	5.3	978.6	935.2	13	6825.7
13/12/2019 21:30	5.8	5.3	978.8	935.4	13	6825.2
13/12/2019 21:45	5.8	5.3	978.8	935.2	13	6825.7
13/12/2019 22:00	5.8	5.3	978.7	935.4	13	6825.2
13/12/2019 22:15	5.8	5.4	978.7	935.4	13	6825.2
13/12/2019 22:30	5.8	5.4	978.2	935.4	13	6825.2
13/12/2019 22:45	5.8	5.5	977.9	935.4	13	6825.2
13/12/2019 23:00	5.8	5.4	977.9	935.5	13	6824.6
13/12/2019 23:15	5.8	5.4	978	935.4	13	6825.2
13/12/2019 23:30	5.8	5.3	978	935.2	13	6825.7

13/12/2019 23:45	5.8	5.3	977.7	935	13	6826.2
14/12/2019 00:00	5.8	5.3	977.6	935.2	13	6825.7
14/12/2019 00:15	5.8	5.4	977.7	935.2	13	6825.7
14/12/2019 00:30	5.8	5.4	977.9	935.2	13	6825.7
14/12/2019 00:45	5.8	5.4	977.9	935.4	13	6825.2
14/12/2019 01:00	5.8	5.4	977.4	935.2	13	6825.7
14/12/2019 01:15	5.8	5.4	977.8	935.2	13	6825.7
14/12/2019 01:30	5.8	5.2	977.9	935.2	13	6825.7
14/12/2019 01:45	5.8	5.1	978.2	935	13	6826.2
14/12/2019 02:00	5.8	5	978.1	935	13	6826.2
14/12/2019 02:15	5.8	5.1	978.2	935	13	6826.2
14/12/2019 02:30	5.8	5	978.8	935	13	6826.2
14/12/2019 02:45	5.8	4.8	978.9	935	13	6826.2
14/12/2019 03:00	5.8	4.6	979.2	935.2	13	6825.7
14/12/2019 03:15	5.8	4.4	979.6	934.9	13	6826.7
14/12/2019 03:30	5.8	4.3	979.6	935	13	6826.2
14/12/2019 03:45	5.8	4.3	980.2	934.9	13	6826.7
14/12/2019 04:00	5.8	4.3	980.2	935	13	6826.2
14/12/2019 04:15	5.8	4.2	980.2	935	13	6826.2
14/12/2019 04:30	5.8	4	980.4	935	13	6826.2
14/12/2019 04:45	5.8	3.9	980.6	935	13	6826.2
14/12/2019 05:00	5.8	3.9	981	934.9	13	6826.7
14/12/2019 05:15	5.8	3.9	981	934.9	13	6826.7
14/12/2019 05:30	5.8	4	982	934.9	13	6826.7
14/12/2019 05:45	5.8	4.1	982.2	935	13	6826.2
14/12/2019 06:00	5.8	4.4	982.2	935	13	6826.2
14/12/2019 06:15	5.8	4.6	982.5	935	13	6826.2
14/12/2019 06:30	5.8	4.7	982.6	935.2	13	6825.7
14/12/2019 06:45	5.8	4.8	982.8	935.2	13	6825.7
14/12/2019 07:00	5.8	4.7	983.3	935	13	6826.2
14/12/2019 07:15	5.8	4.6	983.7	935.2	13	6825.7
14/12/2019 07:30	5.8	4.5	984	935.4	13	6825.2
14/12/2019 07:45	5.8	4.4	984	935.2	13	6825.7
14/12/2019 08:00	5.8	4.3	984.4	935.4	13	6825.2
14/12/2019 08:15	5.8	4.3	984.7	935.4	13	6825.2
14/12/2019 08:30	5.8	4.3	984.8	935.4	13	6825.2
14/12/2019 08:45	5.8	4.4	985	935.5	13	6824.6
14/12/2019 09:00	5.8	4.4	985.2	935.5	13	6824.6
14/12/2019 09:15	5.8	4.6	985.4	935.5	13	6824.6
14/12/2019 09:30	5.8	4.9	985.5	935.5	13	6824.6
14/12/2019 09:45	5.8	5.3	985.5	935.5	13	6824.6
14/12/2019 10:00	5.8	5.6	985.4	935.5	13	6824.6
14/12/2019 10:15	5.8	6	985.4	935.7	13	6824.1
14/12/2019 10:30	5.8	6.3	985.4	935.5	13	6824.6
14/12/2019 10:45	5.8	6.6	985.3	935.7	13	6824.1
14/12/2019 11:00	5.8	6.8	985.2	935.9	13	6823.6
14/12/2019 11:15	5.8	7	985.2	935.7	13	6824.1
14/12/2019 11:30	5.8	7.2	985.8	935.9	13	6823.6
14/12/2019 11:45	5.8	7.2	985.8	935.9	13	6823.6
14/12/2019 12:00	5.8	7	985.7	935.7	13	6824.1

14/12/2019 12:15	5.8	6.5	986	935.5	13	6824.6
14/12/2019 12:30	5.8	6.3	986.3	935.9	13	6823.6
14/12/2019 12:45	5.8	6.2	986.5	935.9	13	6823.6
14/12/2019 13:00	5.8	6.2	987	936	13	6823.1
14/12/2019 13:15	5.8	6.3	986.9	935.9	13	6823.6
14/12/2019 13:30	5.8	6.2	987.3	935.9	13	6823.6
14/12/2019 13:45	5.8	6.2	987.1	935.7	13	6824.1
14/12/2019 14:00	5.8	6.1	987.5	935.7	13	6824.1
14/12/2019 14:15	5.8	6.2	988.1	935.7	13	6824.1
14/12/2019 14:30	5.8	6.3	988.2	935.5	13	6824.6
14/12/2019 14:45	5.8	6.2	988.6	935.5	13	6824.6
14/12/2019 15:00	5.8	6	988.9	935.5	13	6824.6
14/12/2019 15:15	5.8	5.7	989.4	935.5	13	6824.6
14/12/2019 15:30	5.8	5.4	989.8	935.5	13	6824.6
14/12/2019 15:45	5.8	5.1	990.2	935.5	13	6824.6
14/12/2019 16:00	5.8	4.9	990.6	935.5	13	6824.6
14/12/2019 16:15	5.8	4.6	991	935.5	13	6824.6
14/12/2019 16:30	5.8	4.3	991	935.5	13	6824.6
14/12/2019 16:45	5.8	3.9	991.3	935.5	13	6824.6
14/12/2019 17:00	5.8	3.6	991.1	935.4	13	6825.2
14/12/2019 17:15	5.8	3.3	991.3	935.5	13	6824.6
14/12/2019 17:30	5.8	3.1	991.5	935.5	13	6824.6
14/12/2019 17:45	5.8	2.9	991.9	935.4	13	6825.2
14/12/2019 18:00	5.8	2.8	991.8	935.5	13	6824.6
14/12/2019 18:15	5.8	2.8	991.8	935.5	13	6824.6
14/12/2019 18:30	5.8	2.7	992	935.5	13	6824.6
14/12/2019 18:45	5.8	2.6	991.5	935.5	13	6824.6
14/12/2019 19:00	5.8	2.7	991.2	935.4	13	6825.2
14/12/2019 19:15	5.8	2.8	991.1	935.5	13	6824.6
14/12/2019 19:30	5.8	3	990.9	935.5	13	6824.6
14/12/2019 19:45	5.8	3	990.7	935.5	13	6824.6
14/12/2019 20:00	5.8	3	990.5	935.5	13	6824.6
14/12/2019 20:15	5.8	2.9	990.5	935.5	13	6824.6
14/12/2019 20:30	5.8	2.8	990.2	935.7	13	6824.1
14/12/2019 20:45	5.8	2.7	989.7	935.5	13	6824.6
14/12/2019 21:00	5.8	2.7	989.2	935.5	13	6824.6
14/12/2019 21:15	5.8	2.9	988.6	935.5	13	6824.6
14/12/2019 21:30	5.8	3.3	988.3	935.7	13	6824.1
14/12/2019 21:45	5.8	4	987.9	935.7	13	6824.1
14/12/2019 22:00	5.8	4.7	987.6	935.5	13	6824.6
14/12/2019 22:15	5.8	5.4	986.9	935.7	13	6824.1
14/12/2019 22:30	5.8	5.9	986.5	935.7	13	6824.1
14/12/2019 22:45	5.8	6.3	986	935.9	13	6823.6
14/12/2019 23:00	5.8	6.7	985.6	935.9	13	6823.6
14/12/2019 23:15	5.8	7	985.5	935.7	13	6824.1
14/12/2019 23:30	5.8	7.3	985	935.5	13	6824.6
14/12/2019 23:45	5.8	7.5	984.9	935.9	13	6823.6
15/12/2019 00:00	5.8	7.5	984.6	935.5	13	6824.6
15/12/2019 00:15	5.8	7.5	983.7	935.5	13	6824.6
15/12/2019 00:30	5.8	7.5	983.3	935.4	13	6825.2

15/12/2019 00:45	5.8	7.5	984	935.5	13	6824.6
15/12/2019 01:00	5.8	7.5	983.4	935.5	13	6824.6
15/12/2019 01:15	5.8	7.4	983.5	935.5	13	6824.6
15/12/2019 01:30	5.8	7.2	983.2	935.4	13	6825.2
15/12/2019 01:45	5.8	7.1	983	935.4	13	6825.2
15/12/2019 02:00	5.8	6.8	983.6	935.2	13	6825.7
15/12/2019 02:15	5.8	6.4	983.2	935.2	13	6825.7
15/12/2019 02:30	5.8	6.1	983.6	935.2	13	6825.7
15/12/2019 02:45	5.8	5.8	984	935.2	13	6825.7
15/12/2019 03:00	5.8	5.7	984	935.4	13	6825.2
15/12/2019 03:15	5.8	5.6	983.9	935.2	13	6825.7
15/12/2019 03:30	5.8	5.5	984	935.2	13	6825.7
15/12/2019 03:45	5.8	5.3	984.2	935.2	13	6825.7
15/12/2019 04:00	5.8	5.2	984.8	935.2	13	6825.7
15/12/2019 04:15	5.8	5.1	985.1	935.4	13	6825.2
15/12/2019 04:30	5.8	5	985.7	935	13	6826.2
15/12/2019 04:45	5.8	4.9	986.1	935.4	13	6825.2
15/12/2019 05:00	5.8	4.8	986.5	935	13	6826.2
15/12/2019 05:15	5.8	4.8	986.6	935	13	6826.2
15/12/2019 05:30	5.8	4.8	987.1	935.2	13	6825.7
15/12/2019 05:45	5.8	4.7	987.4	935.2	13	6825.7
15/12/2019 06:00	5.8	4.5	988.1	935	13	6826.2
15/12/2019 06:15	5.8	4.4	988.4	935	13	6826.2
15/12/2019 06:30	5.8	4.3	988.9	935.2	13	6825.7
15/12/2019 06:45	5.8	4.2	989	935.2	13	6825.7
15/12/2019 07:00	5.8	4.1	989.5	935.2	13	6825.7
15/12/2019 07:15	5.8	4	989.6	935.4	13	6825.2
15/12/2019 07:30	5.8	4	989.9	935.4	13	6825.2
15/12/2019 07:45	5.8	3.9	990.4	935.4	13	6825.2
15/12/2019 08:00	5.8	3.9	990.4	935.4	13	6825.2
15/12/2019 08:15	5.8	3.9	990.6	935.5	13	6824.6
15/12/2019 08:30	5.8	4	990.8	935.5	13	6824.6
15/12/2019 08:45	5.8	4.3	991.7	935.9	13	6823.6
15/12/2019 09:00	5.8	4.9	991.9	935.5	13	6824.6
15/12/2019 09:15	5.8	5.2	991.9	935.9	13	6823.6
15/12/2019 09:30	5.8	5.4	992	935.9	13	6823.6
15/12/2019 09:45	5.8	5.4	992.3	935.7	13	6824.1
15/12/2019 10:00	5.8	5.6	992.5	935.9	13	6823.6
15/12/2019 10:15	5.8	5.8	992.4	935.9	13	6823.6
15/12/2019 10:30	5.8	6.2	992.7	936	13	6823.1
15/12/2019 10:45	5.8	6.5	992.6	936	13	6823.1
15/12/2019 11:00	5.8	6.7	993	935.9	13	6823.6
15/12/2019 11:15	5.8	6.8	993	936.2	13	6822.5
15/12/2019 11:30	5.8	7	992.9	936	13	6823.1
15/12/2019 11:45	5.8	7.6	993.3	936.2	13	6822.5
15/12/2019 12:00	5.7	8.3	993.5	936	13	6823.1
15/12/2019 12:15	5.7	8.4	993.3	936.2	13	6822.5
15/12/2019 12:30	5.7	8.6	993.4	936.2	13	6822.5
15/12/2019 12:45	5.7	8.8	993.5	936.3	13	6822
15/12/2019 13:00	5.7	8.8	993.2	936.2	13	6822.5

15/12/2019 13:15	5.8	8.6	993.6	936.2	13	6822.5
15/12/2019 13:30	5.8	8.4	993.9	936.3	13	6822
15/12/2019 13:45	5.8	8.2	993.9	936.2	13	6822.5
15/12/2019 14:00	5.8	8.2	993.8	936.2	13	6822.5
15/12/2019 14:15	5.8	8	994	936.2	13	6822.5
15/12/2019 14:30	5.8	7.9	994.5	936	13	6823.1
15/12/2019 14:45	5.8	7.8	994.8	936	13	6823.1
15/12/2019 15:00	5.8	7.6	994.8	936.2	13	6822.5
15/12/2019 15:15	5.8	7.4	995.1	936	13	6823.1
15/12/2019 15:30	5.8	7.1	995.2	936	13	6823.1
15/12/2019 15:45	5.8	6.7	995.6	936.2	13	6822.5
15/12/2019 16:00	5.8	6.2	995.6	936	13	6823.1
15/12/2019 16:15	5.8	5.7	996	936	13	6823.1
15/12/2019 16:30	5.8	5.4	996.3	936	13	6823.1
15/12/2019 16:45	5.8	5.1	996.1	936	13	6823.1
15/12/2019 17:00	5.8	4.9	996.4	936	13	6823.1
15/12/2019 17:15	5.8	4.9	996.3	936	13	6823.1
15/12/2019 17:30	5.8	4.9	996.4	935.7	13	6824.1
15/12/2019 17:45	5.8	5	996.6	935.9	13	6823.6
15/12/2019 18:00	5.8	5.1	996.9	935.9	13	6823.6
15/12/2019 18:15	5.8	5.2	996.8	935.9	13	6823.6
15/12/2019 18:30	5.8	5.2	996.9	935.9	13	6823.6
15/12/2019 18:45	5.8	5.2	997.4	935.9	13	6823.6
15/12/2019 19:00	5.8	5.3	997.2	936	13	6823.1
15/12/2019 19:15	5.8	5.4	997.3	935.9	13	6823.6
15/12/2019 19:30	5.8	5.5	997.4	936	13	6823.1
15/12/2019 19:45	5.8	5.6	997.4	935.9	13	6823.6
15/12/2019 20:00	5.8	5.7	997.3	936	13	6823.1
15/12/2019 20:15	5.8	5.8	997.3	936	13	6823.1
15/12/2019 20:30	5.8	5.8	997	936	13	6823.1
15/12/2019 20:45	5.8	5.9	997.5	936	13	6823.1
15/12/2019 21:00	5.8	5.9	997.8	936	13	6823.1
15/12/2019 21:15	5.8	5.9	998	936	13	6823.1
15/12/2019 21:30	5.8	5.9	997.6	936	13	6823.1
15/12/2019 21:45	5.8	5.9	997.6	936.2	13	6822.5
15/12/2019 22:00	5.8	5.9	997.7	936	13	6823.1
15/12/2019 22:15	5.8	5.9	997.5	936.2	13	6822.5
15/12/2019 22:30	5.8	5.9	997.5	936.2	13	6822.5
15/12/2019 22:45	5.8	5.9	997.2	936.2	13	6822.5
15/12/2019 23:00	5.8	5.9	997.5	936.3	13	6822
15/12/2019 23:15	5.8	5.9	997.5	936.2	13	6822.5
15/12/2019 23:30	5.8	5.9	997.3	936.2	13	6822.5
15/12/2019 23:45	5.8	6	997.3	936.3	13	6822
16/12/2019 00:00	5.8	6.2	997.1	936.3	13	6822
16/12/2019 00:15	5.8	6.4	997.2	936	13	6823.1
16/12/2019 00:30	5.8	6.5	997	936.2	13	6822.5
16/12/2019 00:45	5.8	6.6	997.3	936.3	13	6822
16/12/2019 01:00	5.8	6.7	997.3	936.2	13	6822.5
16/12/2019 01:15	5.8	6.9	997.3	936.2	13	6822.5
16/12/2019 01:30	5.8	7.1	997.5	936.3	13	6822

16/12/2019 01:45	5.8	7.2	997.4	936.2	13	6822.5
16/12/2019 02:00	5.8	7.2	997.3	936.3	13	6822
16/12/2019 02:15	5.8	7.1	997.2	936	13	6823.1
16/12/2019 02:30	5.8	6.9	997	936.2	13	6822.5
16/12/2019 02:45	5.8	6.8	996.8	936	13	6823.1
16/12/2019 03:00	5.8	6.7	996.7	936	13	6823.1
16/12/2019 03:15	5.8	6.6	996.6	936	13	6823.1
16/12/2019 03:30	5.8	6.5	996.8	936	13	6823.1
16/12/2019 03:45	5.8	6.5	997	935.9	13	6823.6
16/12/2019 04:00	5.8	6.5	996.9	936	13	6823.1
16/12/2019 04:15	5.8	6.5	997.2	935.9	13	6823.6
16/12/2019 04:30	5.8	6.6	997	935.9	13	6823.6
16/12/2019 04:45	5.8	6.6	996.9	935.5	13	6824.6
16/12/2019 05:00	5.8	6.7	996.8	935.5	13	6824.6
16/12/2019 05:15	5.8	6.6	997.3	935.9	13	6823.6
16/12/2019 05:30	5.8	6.6	997	935.9	13	6823.6
16/12/2019 05:45	5.8	6.7	996.9	935.7	13	6824.1
16/12/2019 06:00	5.8	6.7	997	935.5	13	6824.6
16/12/2019 06:15	5.8	6.7	996.9	935.7	13	6824.1
16/12/2019 06:30	5.8	6.6	997.2	935.5	13	6824.6
16/12/2019 06:45	5.8	6.5	997.2	935.5	13	6824.6
16/12/2019 07:00	5.8	6.5	997.6	935.5	13	6824.6
16/12/2019 07:15	5.8	6.5	997.7	935.9	13	6823.6
16/12/2019 07:30	5.8	6.5	998.2	935.9	13	6823.6
16/12/2019 07:45	5.8	6.6	998.3	935.5	13	6824.6
16/12/2019 08:00	5.8	6.6	998.2	935.9	13	6823.6
16/12/2019 08:15	5.8	6.6	998.6	935.7	13	6824.1
16/12/2019 08:30	5.8	6.7	998.6	935.9	13	6823.6
16/12/2019 08:45	5.8	6.7	998.5	935.9	13	6823.6
16/12/2019 09:00	5.8	6.8	998.4	935.9	13	6823.6
16/12/2019 09:15	5.8	6.9	999	936	13	6823.1
16/12/2019 09:30	5.8	7.1	999	935.9	13	6823.6
16/12/2019 09:45	5.8	7.4	999.2	936	13	6823.1
16/12/2019 10:00	5.8	7.6	999.4	936	13	6823.1
16/12/2019 10:15	5.8	7.8	999.2	936	13	6823.1
16/12/2019 10:30	5.7	8.1	999.1	936.2	13	6822.5
16/12/2019 10:45	5.7	8.5	999.2	936.2	13	6822.5
16/12/2019 11:00	5.7	8.7	999.2	936.2	13	6822.5
16/12/2019 11:15	5.7	9	998.9	936.2	13	6822.5
16/12/2019 11:30	5.7	9.1	999.1	936.2	13	6822.5
16/12/2019 11:45	5.7	9.1	998.8	936.2	13	6822.5
16/12/2019 12:00	5.7	9.2	998.5	936.3	13	6822
16/12/2019 12:15	5.7	9.3	998.8	936.3	13	6822
16/12/2019 12:30	5.7	9.4	998.8	936.2	13	6822.5
16/12/2019 12:45	5.7	9.5	998.5	936.2	13	6822.5
16/12/2019 13:00	5.7	9.4	998.8	936.2	13	6822.5
16/12/2019 13:15	5.7	9.4	998.3	936.3	13	6822
16/12/2019 13:30	5.7	9.3	998.4	936.5	13	6821.5
16/12/2019 13:45	5.7	9.1	998.3	936.3	13	6822
16/12/2019 14:00	5.7	9	998	936.2	13	6822.5

16/12/2019 14:15	5.7	8.9	998.6	936.5	13	6821.5
16/12/2019 14:30	5.7	8.8	998.5	936.3	13	6822
16/12/2019 14:45	5.7	8.6	998.7	936.2	13	6822.5
16/12/2019 15:00	5.7	8.4	998.4	936.2	13	6822.5
16/12/2019 15:15	5.7	8.1	998.4	936.2	13	6822.5
16/12/2019 15:30	5.8	7.8	998.5	936.2	13	6822.5
16/12/2019 15:45	5.8	7.6	998.9	936.2	13	6822.5
16/12/2019 16:00	5.8	7.3	998.6	936.2	13	6822.5
16/12/2019 16:15	5.8	7.2	998.4	936.2	13	6822.5
16/12/2019 16:30	5.8	7	998.1	936.2	13	6822.5
16/12/2019 16:45	5.8	6.8	998.7	936	13	6823.1
16/12/2019 17:00	5.8	6.6	998.8	936	13	6823.1
16/12/2019 17:15	5.8	6.4	998.6	936	13	6823.1
16/12/2019 17:30	5.8	6.3	998.3	935.9	13	6823.6
16/12/2019 17:45	5.8	6.2	998.3	935.9	13	6823.6
16/12/2019 18:00	5.8	6.1	998.4	935.9	13	6823.6
16/12/2019 18:15	5.8	6	998.6	935.9	13	6823.6
16/12/2019 18:30	5.8	6	998.3	935.9	13	6823.6
16/12/2019 18:45	5.8	6.1	998.2	935.9	13	6823.6
16/12/2019 19:00	5.8	6.2	998.2	935.9	13	6823.6
16/12/2019 19:15	5.8	6.2	998.1	936	13	6823.1
16/12/2019 19:30	5.8	6.3	998	935.7	13	6824.1
16/12/2019 19:45	5.8	6.3	997.9	935.9	13	6823.6
16/12/2019 20:00	5.8	6.4	998.1	935.9	13	6823.6
16/12/2019 20:15	5.8	6.5	997.7	935.9	13	6823.6
16/12/2019 20:30	5.8	6.7	997.7	936	13	6823.1
16/12/2019 20:45	5.8	6.9	997.8	936	13	6823.1
16/12/2019 21:00	5.8	7	997.4	936	13	6823.1
16/12/2019 21:15	5.8	7.1	997.3	935.9	13	6823.6
16/12/2019 21:30	5.8	7.1	997.2	936	13	6823.1
16/12/2019 21:45	5.8	7.1	997.1	936.2	13	6822.5
16/12/2019 22:00	5.8	7.1	997.1	936	13	6823.1
16/12/2019 22:15	5.8	7.1	997	936	13	6823.1
16/12/2019 22:30	5.8	7	996.7	936	13	6823.1
16/12/2019 22:45	5.8	7	996.6	936	13	6823.1
16/12/2019 23:00	5.8	6.9	996.8	936.2	13	6822.5
16/12/2019 23:15	5.8	6.9	997	936.2	13	6822.5
16/12/2019 23:30	5.8	6.8	996.6	936.2	13	6822.5
16/12/2019 23:45	5.8	6.8	996.6	936.2	13	6822.5
17/12/2019 00:00	5.8	6.8	996.6	936.3	13	6822
17/12/2019 00:15	5.8	6.8	996.4	936.2	13	6822.5
17/12/2019 00:30	5.8	6.8	996.2	936.2	13	6822.5
17/12/2019 00:45	5.8	6.8	996	936.2	13	6822.5
17/12/2019 01:00	5.8	6.8	995.6	936.2	13	6822.5
17/12/2019 01:15	5.8	6.9	995.7	936.2	13	6822.5
17/12/2019 01:30	5.8	7.1	995.5	936.2	13	6822.5
17/12/2019 01:45	5.8	7.3	995.7	936	13	6823.1
17/12/2019 02:00	5.8	7.4	995.9	936.2	13	6822.5
17/12/2019 02:15	5.7	7.5	995.8	936.2	13	6822.5
17/12/2019 02:30	5.8	7.5	995.9	936.3	12.9	6822

17/12/2019 02:45	5.7	7.6	995.3	936.2	13	6822.5
17/12/2019 03:00	5.7	7.5	995.2	936	13	6823.1
17/12/2019 03:15	5.7	7.5	995.1	936.2	13	6822.5
17/12/2019 03:30	5.7	7.5	994.8	936	13	6823.1
17/12/2019 03:45	5.7	7.5	994.8	936	13	6823.1
17/12/2019 04:00	5.7	7.6	994.5	936	13	6823.1
17/12/2019 04:15	5.7	7.5	994.4	936	13	6823.1
17/12/2019 04:30	5.8	7.5	994.5	935.9	13	6823.6
17/12/2019 04:45	5.7	7.4	994.5	935.9	13	6823.6
17/12/2019 05:00	5.8	7.4	994.3	935.9	13	6823.6
17/12/2019 05:15	5.8	7.3	993.8	935.9	13	6823.6
17/12/2019 05:30	5.8	7.3	994.1	935.9	13	6823.6
17/12/2019 05:45	5.8	7.4	993.9	935.5	13	6824.6
17/12/2019 06:00	5.7	7.4	993.9	935.5	13	6824.6
17/12/2019 06:15	5.7	7.4	993.9	935.5	13	6824.6
17/12/2019 06:30	5.7	7.4	994	935.5	13	6824.6
17/12/2019 06:45	5.7	7.4	994	935.5	13	6824.6
17/12/2019 07:00	5.7	7.4	994	935.7	13	6824.1
17/12/2019 07:15	5.8	7.4	994.3	935.5	13	6824.6
17/12/2019 07:30	5.8	7.4	994.3	935.4	13	6825.2
17/12/2019 07:45	5.8	7.3	994.2	935.5	13	6824.6
17/12/2019 08:00	5.8	7.3	994.2	935.5	12.9	6824.6
17/12/2019 08:15	5.8	7.3	994.3	935.5	13	6824.6
17/12/2019 08:30	5.8	7.3	994.1	935.5	13	6824.6
17/12/2019 08:45	5.7	7.3	994.2	935.5	13	6824.6
17/12/2019 09:00	5.7	7.3	994.2	935.7	13	6824.1
17/12/2019 09:15	5.8	7.4	994.5	935.5	13	6824.6
17/12/2019 09:30	5.7	7.4	994.4	935.5	13	6824.6
17/12/2019 09:45	5.7	7.4	994.7	935.7	12.9	6824.1
17/12/2019 10:00	5.7	7.4	994.5	935.7	12.9	6824.1
17/12/2019 10:15	5.7	7.5	995.1	935.9	13	6823.6
17/12/2019 10:30	5.7	7.5	995.2	935.9	13	6823.6
17/12/2019 10:45	5.7	7.5	995.3	935.9	13	6823.6
17/12/2019 11:00	5.7	7.5	995.3	936	13	6823.1
17/12/2019 11:15	5.7	7.6	995.5	936	13	6823.1
17/12/2019 11:30	5.7	7.7	995	936	13	6823.1
17/12/2019 11:45	5.7	7.8	995.3	935.9	13	6823.6
17/12/2019 12:00	5.7	7.9	995.4	936	13	6823.1
17/12/2019 12:15	5.7	8	995.5	936.2	13	6822.5
17/12/2019 12:30	5.7	8	995.8	936	12.9	6823.1
17/12/2019 12:45	5.7	8	996	936.2	13	6822.5
17/12/2019 13:00	5.7	8	996.1	936.3	13	6822
17/12/2019 13:15	5.7	8	996.6	936.3	13	6822
17/12/2019 13:30	5.7	8	996.6	936.3	12.9	6822
17/12/2019 13:45	5.7	8	996.8	936.2	12.9	6822.5
17/12/2019 14:00	5.7	8	997.1	936.3	13	6822
17/12/2019 14:15	5.7	8	997.6	936.3	13	6822
17/12/2019 14:30	5.7	8	998	936.3	12.9	6822
17/12/2019 14:45	5.7	7.9	997.9	936.3	13	6822
17/12/2019 15:00	5.7	7.8	998.2	936.3	12.9	6822

17/12/2019 15:15	5.7	7.7	998.4	936.3	13	6822
17/12/2019 15:30	5.7	7.5	998.3	936.3	13	6822
17/12/2019 15:45	5.7	7.4	998.5	936.3	13	6822
17/12/2019 16:00	5.7	7.2	998.9	936.3	13	6822
17/12/2019 16:15	5.8	7.1	999.3	936.3	13	6822
17/12/2019 16:30	5.8	7	999.5	936.2	13	6822.5
17/12/2019 16:45	5.8	6.9	999.3	936.3	12.9	6822
17/12/2019 17:00	5.8	6.8	999.3	936.3	13	6822
17/12/2019 17:15	5.8	6.8	999.6	936.2	13	6822.5
17/12/2019 17:30	5.8	6.7	1000.1	936.2	13	6822.5
17/12/2019 17:45	5.8	6.7	999.9	936.2	13	6822.5
17/12/2019 18:00	5.8	6.7	1000.3	936.2	12.9	6822.5
17/12/2019 18:15	5.8	6.7	1000.5	936.2	13	6822.5
17/12/2019 18:30	5.8	6.7	1000.7	936	13	6823.1
17/12/2019 18:45	5.8	6.7	1000.6	936	13	6823.1
17/12/2019 19:00	5.8	6.7	1001.3	936	13	6823.1
17/12/2019 19:15	5.8	6.7	1001	936	13	6823.1
17/12/2019 19:30	5.8	6.8	1001.1	936	12.9	6823.1
17/12/2019 19:45	5.8	6.8	1001.3	936	13	6823.1
17/12/2019 20:00	5.8	6.9	1001.7	936	12.9	6823.1
17/12/2019 20:15	5.8	6.8	1002	936.2	13	6822.5
17/12/2019 20:30	5.8	6.7	1002.3	936.2	13	6822.5
17/12/2019 20:45	5.8	6.7	1002.4	936.2	13	6822.5
17/12/2019 21:00	5.8	6.6	1002.7	936.2	13	6822.5
17/12/2019 21:15	5.8	6.6	1002.8	936.2	13	6822.5
17/12/2019 21:30	5.8	6.2	1003.1	936.2	12.9	6822.5
17/12/2019 21:45	5.8	5.8	1003.2	936.2	12.9	6822.5
17/12/2019 22:00	5.8	5.4	1003.5	936.3	13	6822
17/12/2019 22:15	5.8	5.2	1003.6	936.3	13	6822
17/12/2019 22:30	5.8	5	1004	936.2	13	6822.5
17/12/2019 22:45	5.8	4.9	1004.1	936.3	13	6822
17/12/2019 23:00	5.8	4.8	1004.2	936.3	12.9	6822
17/12/2019 23:15	5.8	4.6	1004.5	936.3	13	6822
17/12/2019 23:30	5.8	4.4	1004.5	936.3	13	6822
17/12/2019 23:45	5.8	4.3	1004.8	936.3	13	6822
18/12/2019 00:00	5.8	4.1	1005.2	936.5	13	6821.5
18/12/2019 00:15	5.8	3.9	1005.2	936.7	13	6821
18/12/2019 00:30	5.8	3.7	1005.6	936.7	13	6821
18/12/2019 00:45	5.8	3.5	1005.7	936.7	13	6821
18/12/2019 01:00	5.8	3.3	1006	936.7	13	6821
18/12/2019 01:15	5.8	3.1	1005.8	936.7	13	6821
18/12/2019 01:30	5.8	3	1006.5	936.7	13	6821
18/12/2019 01:45	5.8	2.8	1006.5	936.6	12.9	6821
18/12/2019 02:00	5.8	2.7	1006.6	936.5	13	6821.5
18/12/2019 02:15	5.8	2.6	1006.9	936.7	13	6821
18/12/2019 02:30	5.8	2.6	1006.8	936.7	13	6821
18/12/2019 02:45	5.8	2.5	1006.9	936.8	13	6820.5
18/12/2019 03:00	5.8	2.4	1007.3	936.7	13	6821
18/12/2019 03:15	5.8	2.3	1007.3	936.8	13	6820.5
18/12/2019 03:30	5.8	2.2	1007.4	936.7	13	6821

18/12/2019 03:45	5.8	2.1	1007.6	936.7	13	6821
18/12/2019 04:00	5.8	1.8	1007.7	936.7	13	6821
18/12/2019 04:15	5.8	1.7	1008.3	936.7	13	6821
18/12/2019 04:30	5.8	1.6	1008.3	936.7	13	6821
18/12/2019 04:45	5.8	1.6	1008.3	936.7	13	6821
18/12/2019 05:00	5.8	1.7	1008.3	936.5	13	6821.5
18/12/2019 05:15	5.8	1.8	1008.3	936.3	13	6822
18/12/2019 05:30	5.8	2	1008.4	936.5	13	6821.5
18/12/2019 05:45	5.8	2.1	1008.9	936.3	12.9	6822
18/12/2019 06:00	5.8	2.2	1008.9	936.5	13	6821.5
18/12/2019 06:15	5.8	2	1009	936.5	12.9	6821.5
18/12/2019 06:30	5.8	1.8	1009.3	936.3	13	6822
18/12/2019 06:45	5.8	1.6	1009.2	936.3	12.9	6822
18/12/2019 07:00	5.8	1.4	1009.1	936.3	13	6822
18/12/2019 07:15	5.8	1.2	1009.5	936.2	13	6822.5
18/12/2019 07:30	5.8	1	1009.4	936.3	13	6822
18/12/2019 07:45	5.8	0.9	1009.8	936.3	13	6822
18/12/2019 08:00	5.8	0.7	1009.9	936.3	13	6822
18/12/2019 08:15	5.8	0.6	1009.9	936.3	13	6822
18/12/2019 08:30	5.8	0.6	1010	936.3	13	6822
18/12/2019 08:45	5.8	0.7	1010.3	936.3	12.9	6822
18/12/2019 09:00	5.8	0.8	1010.2	936.3	13	6822
18/12/2019 09:15	5.8	1	1010.3	936.3	12.9	6822
18/12/2019 09:30	5.8	1.2	1009.9	936.3	13	6822
18/12/2019 09:45	5.8	1.5	1010.4	936.3	13	6822
18/12/2019 10:00	5.8	2.1	1010.4	936.3	13	6822
18/12/2019 10:15	5.8	2.9	1010.3	936.5	13	6821.5
18/12/2019 10:30	5.8	3.9	1010.4	936.3	13	6822
18/12/2019 10:45	5.8	4.7	1010.3	936.3	12.9	6822
18/12/2019 11:00	5.8	5.3	1010.2	936.5	13	6821.5
18/12/2019 11:15	5.8	5.9	1009.7	936.7	13	6821
18/12/2019 11:30	5.8	6.4	1009.8	936.5	13	6821.5
18/12/2019 11:45	5.7	7.1	1009.7	936.5	13	6821.5
18/12/2019 12:00	5.7	7.6	1009.6	936.7	13	6821
18/12/2019 12:15	5.7	8	1009.8	936.6	12.9	6821
18/12/2019 12:30	5.7	8.6	1009.5	936.7	13	6821
18/12/2019 12:45	5.7	9	1009.3	936.6	12.9	6821
18/12/2019 13:00	5.7	9	1009.3	936.6	12.9	6821
18/12/2019 13:15	5.7	8.9	1008.8	936.6	12.9	6821
18/12/2019 13:30	5.7	8.8	1008.9	936.7	13	6821
18/12/2019 13:45	5.7	8.8	1008.4	936.8	13	6820.5
18/12/2019 14:00	5.7	8.6	1008.3	936.7	13	6821
18/12/2019 14:15	5.7	8.5	1008.5	936.8	13	6820.5
18/12/2019 14:30	5.7	8.3	1008	936.8	12.9	6820.5
18/12/2019 14:45	5.7	8.2	1008.1	936.6	12.9	6821
18/12/2019 15:00	5.7	8.1	1008.1	936.8	12.9	6820.5
18/12/2019 15:15	5.7	7.9	1007.6	936.8	13	6820.5
18/12/2019 15:30	5.7	7.7	1007.9	936.8	13	6820.5
18/12/2019 15:45	5.7	7.6	1007.5	936.8	13	6820.5
18/12/2019 16:00	5.7	7.5	1007.5	936.8	12.9	6820.5

18/12/2019 16:15	5.7	7.4	1007.6	936.8	12.9	6820.5
18/12/2019 16:30	5.7	7.3	1007.3	936.8	12.9	6820.5
18/12/2019 16:45	5.7	7.4	1006.8	936.8	12.9	6820.5
18/12/2019 17:00	5.7	7.5	1006.5	936.7	13	6821
18/12/2019 17:15	5.7	7.6	1006.4	936.5	12.9	6821.5
18/12/2019 17:30	5.7	7.7	1006.1	936.5	13	6821.5
18/12/2019 17:45	5.7	7.8	1005.9	936.5	12.9	6821.5
18/12/2019 18:00	5.7	7.9	1005.6	936.5	13	6821.5
18/12/2019 18:15	5.7	8.1	1005.9	936.3	12.9	6822
18/12/2019 18:30	5.7	8.1	1005.7	936.5	13	6821.5
18/12/2019 18:45	5.7	8.2	1005.5	936.3	12.9	6822
18/12/2019 19:00	5.7	8.2	1005.3	936.3	12.9	6822
18/12/2019 19:15	5.7	8.3	1005.1	936.3	12.9	6822
18/12/2019 19:30	5.7	8.4	1005.3	936.3	13	6822
18/12/2019 19:45	5.7	8.5	1005.1	936.3	12.9	6822
18/12/2019 20:00	5.7	8.5	1005	936.3	12.9	6822
18/12/2019 20:15	5.7	8.6	1004.9	936.3	13	6822
18/12/2019 20:30	5.7	8.7	1004.9	936.3	13	6822
18/12/2019 20:45	5.7	8.8	1004.7	936.3	13	6822
18/12/2019 21:00	5.7	8.9	1004.3	936	12.9	6823.1
18/12/2019 21:15	5.7	8.9	1003.7	936.3	12.9	6822
18/12/2019 21:30	5.7	9	1003.6	936.2	12.9	6822.5
18/12/2019 21:45	5.7	9.1	1003.5	936.2	12.9	6822.5
18/12/2019 22:00	5.7	9.1	1003.2	936.2	12.9	6822.5
18/12/2019 22:15	5.7	9.1	1002.9	936	12.9	6823.1
18/12/2019 22:30	5.7	9.1	1003	936.2	12.9	6822.5
18/12/2019 22:45	5.7	9.2	1003.1	936.3	12.9	6822
18/12/2019 23:00	5.7	9.2	1002.8	936.3	13	6822
18/12/2019 23:15	5.7	9.1	1002.7	936.2	12.9	6822.5
18/12/2019 23:30	5.7	9.2	1002.7	936	12.9	6823.1
18/12/2019 23:45	5.7	9.2	1002.4	936.3	12.9	6822
19/12/2019 00:00	5.7	9.3	1002.4	936.3	12.9	6822
19/12/2019 00:15	5.7	9.4	1002.3	936.2	12.9	6822.5
19/12/2019 00:30	5.7	9.4	1002.2	936.3	12.9	6822
19/12/2019 00:45	5.7	9.4	1002.1	936.3	12.9	6822
19/12/2019 01:00	5.7	9.4	1002.1	936.3	13	6822
19/12/2019 01:15	5.7	9.5	1001.8	936.3	13	6822
19/12/2019 01:30	5.7	9.5	1001.9	936.3	12.9	6822
19/12/2019 01:45	5.7	9.6	1001.7	936.3	13	6822
19/12/2019 02:00	5.7	9.6	1001.6	936.5	12.9	6821.5
19/12/2019 02:15	5.7	9.7	1001.2	936.5	12.9	6821.5
19/12/2019 02:30	5.7	9.7	1001.3	936.3	12.9	6822
19/12/2019 02:45	5.7	9.8	1001.2	936.3	12.9	6822
19/12/2019 03:00	5.7	9.8	1001	936.3	12.9	6822
19/12/2019 03:15	5.7	9.9	1001.4	936.3	12.9	6822
19/12/2019 03:30	5.7	9.9	1001.1	936.3	12.9	6822
19/12/2019 03:45	5.7	10	1000.7	936.5	12.9	6821.5
19/12/2019 04:00	5.7	10	1000.4	936.3	12.9	6822
19/12/2019 04:15	5.7	10	1000.4	936.3	12.9	6822
19/12/2019 04:30	5.7	10	1000.5	936.3	13	6822

19/12/2019 04:45	5.7	9.9	1000.2	936.3	12.9	6822
19/12/2019 05:00	5.7	9.9	1000.4	936.2	13	6822.5
19/12/2019 05:15	5.7	9.9	999.5	936	12.9	6823.1
19/12/2019 05:30	5.7	9.9	999.4	936.2	12.9	6822.5
19/12/2019 05:45	5.7	9.9	999.3	936.2	12.9	6822.5
19/12/2019 06:00	5.7	9.9	999.5	936	12.9	6823.1
19/12/2019 06:15	5.7	9.9	999.5	936	12.9	6823.1
19/12/2019 06:30	5.7	9.9	999	936	12.9	6823.1
19/12/2019 06:45	5.7	9.9	999.5	936	12.9	6823.1
19/12/2019 07:00	5.7	9.9	999.4	936	12.9	6823.1
19/12/2019 07:15	5.7	9.9	999.3	935.8	12.9	6823.6
19/12/2019 07:30	5.7	10	999.4	935.8	12.9	6823.6
19/12/2019 07:45	5.7	10	999.8	935.8	12.9	6823.6
19/12/2019 08:00	5.7	10.1	999.6	935.8	12.9	6823.6
19/12/2019 08:15	5.7	10.1	999.3	935.8	12.9	6823.6
19/12/2019 08:30	5.7	10.2	998.9	935.8	12.9	6823.6
19/12/2019 08:45	5.7	10.2	999.4	935.8	12.9	6823.6
19/12/2019 09:00	5.7	10.3	999.1	935.8	12.9	6823.6
19/12/2019 09:15	5.7	10.4	999.2	935.5	12.9	6824.6
19/12/2019 09:30	5.7	10.5	999.2	935.8	12.9	6823.6
19/12/2019 09:45	5.7	10.6	999.1	935.7	12.9	6824.1
19/12/2019 10:00	5.7	10.7	998.9	935.5	13	6824.6
19/12/2019 10:15	5.7	10.8	999.1	935.5	12.9	6824.6
19/12/2019 10:30	5.7	10.9	999	935.8	12.9	6823.6
19/12/2019 10:45	5.7	11.1	998.8	935.5	12.9	6824.6
19/12/2019 11:00	5.7	11.4	998.5	935.5	12.9	6824.6
19/12/2019 11:15	5.7	11.8	998.5	935.7	12.9	6824.1
19/12/2019 11:30	5.7	12.1	998.2	935.7	12.9	6824.1
19/12/2019 11:45	5.7	12.2	998	935.7	12.9	6824.1
19/12/2019 12:00	5.7	12.3	997.5	935.5	12.9	6824.6
19/12/2019 12:15	5.7	12.3	997.1	935.7	12.9	6824.1
19/12/2019 12:30	5.7	12.3	996.8	935.8	12.9	6823.6
19/12/2019 12:45	5.7	12.1	996.7	935.7	12.9	6824.1
19/12/2019 13:00	5.7	12.1	996.1	935.7	12.9	6824.1
19/12/2019 13:15	5.7	12.1	996	935.7	12.9	6824.1
19/12/2019 13:30	5.7	12.2	995.4	935.7	12.9	6824.1
19/12/2019 13:45	5.7	12.2	995	935.8	12.9	6823.6
19/12/2019 14:00	5.7	12.1	994.8	935.7	12.9	6824.1
19/12/2019 14:15	5.7	11.9	994.5	935.8	12.9	6823.6
19/12/2019 14:30	5.7	11.8	994.6	935.8	12.9	6823.6
19/12/2019 14:45	5.7	11.6	994	935.8	12.9	6823.6
19/12/2019 15:00	5.7	11.4	994	935.8	12.9	6823.6
19/12/2019 15:15	5.7	11.4	993.9	935.8	12.9	6823.6
19/12/2019 15:30	5.7	11.3	993.8	935.8	12.9	6823.6
19/12/2019 15:45	5.7	11.3	993.7	936	12.9	6823.1
19/12/2019 16:00	5.7	11.2	993.4	935.8	12.9	6823.6
19/12/2019 16:15	5.7	11.2	993	935.8	12.9	6823.6
19/12/2019 16:30	5.7	11.2	993.1	935.8	12.9	6823.6
19/12/2019 16:45	5.7	11.1	992.8	936	12.9	6823.1
19/12/2019 17:00	5.7	10.9	992.6	936	12.9	6823.1

19/12/2019 17:15	5.7	10.8	992.6	935.8	12.9	6823.6
19/12/2019 17:30	5.7	10.7	992.1	936	12.9	6823.1
19/12/2019 17:45	5.7	10.6	992	935.7	12.9	6824.1
19/12/2019 18:00	5.7	10.6	992.1	935.8	12.9	6823.6
19/12/2019 18:15	5.7	10.5	992.2	935.8	12.9	6823.6
19/12/2019 18:30	5.7	10.4	991.8	935.8	12.9	6823.6
19/12/2019 18:45	5.7	10.3	991.8	935.5	12.9	6824.6
19/12/2019 19:00	5.7	10.4	991.7	935.5	12.9	6824.6
19/12/2019 19:15	5.7	10.4	991.4	935.5	12.9	6824.6
19/12/2019 19:30	5.7	10.5	991.4	935.5	12.9	6824.6
19/12/2019 19:45	5.7	10.6	990.6	935.5	13	6824.6
19/12/2019 20:00	5.7	10.7	990.2	935.5	12.9	6824.6
19/12/2019 20:15	5.7	10.8	990	935.5	12.9	6824.6
19/12/2019 20:30	5.7	10.9	990.2	935.5	12.9	6824.6
19/12/2019 20:45	5.7	10.9	990	935.5	12.9	6824.6
19/12/2019 21:00	5.7	10.8	989.8	935.3	12.9	6825.2
19/12/2019 21:15	5.7	10.7	989.7	935.5	12.9	6824.6
19/12/2019 21:30	5.7	10.7	989.6	935.5	12.9	6824.6
19/12/2019 21:45	5.7	10.6	989.2	935.5	12.9	6824.6
19/12/2019 22:00	5.7	10.6	989	935.3	12.9	6825.2
19/12/2019 22:15	5.7	10.6	988.7	935.3	12.9	6825.2
19/12/2019 22:30	5.7	10.6	988.5	935.3	12.9	6825.2
19/12/2019 22:45	5.7	10.6	988.3	935.3	12.9	6825.2
19/12/2019 23:00	5.7	10.6	988.1	935.3	12.9	6825.2
19/12/2019 23:15	5.7	10.6	988.2	935.5	12.9	6824.6
19/12/2019 23:30	5.7	10.6	987.5	935.5	12.9	6824.6
19/12/2019 23:45	5.7	10.6	987.3	935.5	12.9	6824.6
20/12/2019 00:00	5.7	10.6	986.8	935.3	12.9	6825.2
20/12/2019 00:15	5.7	10.5	986.2	935.3	12.9	6825.2
20/12/2019 00:30	5.7	10.5	986.1	935.3	12.9	6825.2
20/12/2019 00:45	5.7	10.5	985.8	935.3	12.9	6825.2
20/12/2019 01:00	5.7	10.5	985.3	935.5	12.9	6824.6
20/12/2019 01:15	5.7	10.4	985.2	935.5	12.9	6824.6
20/12/2019 01:30	5.7	10.5	984.9	935.5	12.9	6824.6
20/12/2019 01:45	5.7	10.5	984.6	935.5	12.9	6824.6
20/12/2019 02:00	5.7	10.6	984.5	935.5	12.9	6824.6
20/12/2019 02:15	5.7	10.6	984	935.5	12.9	6824.6
20/12/2019 02:30	5.7	10.6	983.4	935.7	12.9	6824.1
20/12/2019 02:45	5.7	10.5	983.2	935.8	12.9	6823.6
20/12/2019 03:00	5.7	10.3	982.7	935.5	12.9	6824.6
20/12/2019 03:15	5.7	10.2	982.2	935.5	12.9	6824.6
20/12/2019 03:30	5.7	10.2	981.9	935.5	12.9	6824.6
20/12/2019 03:45	5.7	10.3	981.4	935.5	12.9	6824.6
20/12/2019 04:00	5.7	10.4	980.7	935.5	12.9	6824.6
20/12/2019 04:15	5.7	10.5	980.4	935.5	12.9	6824.6
20/12/2019 04:30	5.7	10.5	979.9	935.5	12.9	6824.6
20/12/2019 04:45	5.7	10.6	979.3	935.3	12.9	6825.2
20/12/2019 05:00	5.7	10.6	979.1	935.3	12.9	6825.2
20/12/2019 05:15	5.7	10.6	978.8	935.5	12.9	6824.6
20/12/2019 05:30	5.7	10.6	978.5	935.2	12.9	6825.7

20/12/2019 05:45	5.7	10.6	977.9	935.3	12.9	6825.2
20/12/2019 06:00	5.7	10.6	977.4	935.3	12.9	6825.2
20/12/2019 06:15	5.7	10.6	977	935.2	12.9	6825.7
20/12/2019 06:30	5.7	10.6	976.9	935.3	12.9	6825.2
20/12/2019 06:45	5.7	10.6	976.5	935.3	12.9	6825.2
20/12/2019 07:00	5.7	10.6	976.1	935.2	12.9	6825.7
20/12/2019 07:15	5.7	10.6	975.7	935.2	12.9	6825.7
20/12/2019 07:30	5.7	10.5	975.5	935	12.9	6826.2
20/12/2019 07:45	5.7	10.5	975.1	935	12.9	6826.2
20/12/2019 08:00	5.7	10.5	974.9	935	12.9	6826.2
20/12/2019 08:15	5.7	10.5	974.5	935	12.9	6826.2
20/12/2019 08:30	5.7	10.5	974.2	934.9	12.9	6826.7
20/12/2019 08:45	5.7	10.5	974	935	12.9	6826.2
20/12/2019 09:00	5.7	10.6	973.6	934.9	12.9	6826.7
20/12/2019 09:15	5.7	10.6	973.1	934.9	12.9	6826.7
20/12/2019 09:30	5.7	10.6	973	934.7	12.9	6827.2
20/12/2019 09:45	5.7	10.7	972.7	934.9	12.9	6826.7
20/12/2019 10:00	5.7	10.7	972.8	934.7	12.9	6827.2
20/12/2019 10:15	5.7	10.8	972.7	934.7	12.9	6827.2
20/12/2019 10:30	5.7	10.9	972.4	934.9	12.9	6826.7
20/12/2019 10:45	5.7	11	972.7	934.9	12.9	6826.7
20/12/2019 11:00	5.7	11.1	972.8	934.7	12.9	6827.2
20/12/2019 11:15	5.7	11.1	972.5	934.7	12.9	6827.2
20/12/2019 11:30	5.7	11.1	973	934.7	12.9	6827.2
20/12/2019 11:45	5.7	11.3	972.9	934.7	12.9	6827.2
20/12/2019 12:00	5.7	11.6	972.5	934.7	12.9	6827.2
20/12/2019 12:15	5.7	11.6	973.3	934.5	12.9	6827.8
20/12/2019 12:30	5.7	11.5	973.3	934.7	12.9	6827.2
20/12/2019 12:45	5.7	11.5	973.5	934.7	12.9	6827.2
20/12/2019 13:00	5.7	11.4	973.5	934.9	12.9	6826.7
20/12/2019 13:15	5.7	11.4	973.8	934.9	12.9	6826.7
20/12/2019 13:30	5.7	11.3	974.3	934.9	12.9	6826.7
20/12/2019 13:45	5.7	11.1	974.4	934.9	12.9	6826.7
20/12/2019 14:00	5.7	10.9	974.8	934.9	12.9	6826.7
20/12/2019 14:15	5.7	10.8	975	935	12.9	6826.2
20/12/2019 14:30	5.7	10.7	975.6	934.9	12.9	6826.7
20/12/2019 14:45	5.7	10.6	975.6	935	12.9	6826.2
20/12/2019 15:00	5.7	10.3	975.5	934.9	12.9	6826.7
20/12/2019 15:15	5.7	10.1	975.5	935	12.9	6826.2
20/12/2019 15:30	5.7	9.8	976.1	935	12.9	6826.2
20/12/2019 15:45	5.7	9.5	976	935.2	12.9	6825.7
20/12/2019 16:00	5.7	9.1	976.2	935.2	12.9	6825.7
20/12/2019 16:15	5.7	8.7	976.2	935.2	12.9	6825.7
20/12/2019 16:30	5.7	8.4	976.8	935.3	12.9	6825.2
20/12/2019 16:45	5.7	8.3	977.1	935.2	12.9	6825.7
20/12/2019 17:00	5.7	8.2	977.4	935.2	12.9	6825.7
20/12/2019 17:15	5.7	8	977.6	935.3	12.9	6825.2
20/12/2019 17:30	5.7	7.8	977.7	935.3	12.9	6825.2
20/12/2019 17:45	5.7	7.8	977.8	935.5	12.9	6824.6
20/12/2019 18:00	5.7	7.9	978.4	935.3	12.9	6825.2

20/12/2019 18:15	5.7	7.8	978.4	935.3	12.9	6825.2
20/12/2019 18:30	5.7	7.9	978.5	935.5	12.9	6824.6
20/12/2019 18:45	5.7	8	978.7	935.3	12.9	6825.2
20/12/2019 19:00	5.7	8.1	979.4	935.3	12.9	6825.2
20/12/2019 19:15	5.7	7.9	979.5	935.3	12.9	6825.2
20/12/2019 19:30	5.7	7.7	980	935.2	12.9	6825.7
20/12/2019 19:45	5.7	7.4	980.1	935.3	12.9	6825.2
20/12/2019 20:00	5.7	7.1	980.1	935	12.9	6826.2
20/12/2019 20:15	5.7	6.6	980.5	935	12.9	6826.2
20/12/2019 20:30	5.7	6.2	980.9	935.3	12.9	6825.2
20/12/2019 20:45	5.7	5.8	981	935.2	12.9	6825.7
20/12/2019 21:00	5.8	5.5	981.6	935.2	12.9	6825.7
20/12/2019 21:15	5.8	5.2	981.7	935.2	12.9	6825.7
20/12/2019 21:30	5.8	5	981.6	935.3	12.9	6825.2
20/12/2019 21:45	5.8	4.8	981.9	935.2	12.9	6825.7
20/12/2019 22:00	5.8	4.6	982.5	935.2	12.9	6825.7
20/12/2019 22:15	5.8	4.6	982.7	935.2	12.9	6825.7
20/12/2019 22:30	5.8	4.6	982.8	935.2	12.9	6825.7
20/12/2019 22:45	5.8	4.6	982.9	935.2	12.9	6825.7
20/12/2019 23:00	5.8	4.6	983	935.2	12.9	6825.7
20/12/2019 23:15	5.8	4.6	982.7	935	12.9	6826.2
20/12/2019 23:30	5.8	4.6	983	935.2	12.9	6825.7
20/12/2019 23:45	5.8	4.5	983.2	935.3	12.9	6825.2
21/12/2019 00:00	5.8	4.4	983.3	935.3	12.9	6825.2
21/12/2019 00:15	5.8	4.4	982.9	935.2	12.9	6825.7
21/12/2019 00:30	5.8	4.5	983.1	935.2	12.9	6825.7
21/12/2019 00:45	5.8	4.5	983.1	935.2	12.9	6825.7
21/12/2019 01:00	5.8	4.6	983.1	935.3	12.9	6825.2
21/12/2019 01:15	5.8	4.6	983	935.2	12.9	6825.7
21/12/2019 01:30	5.8	4.6	983.1	935.3	12.9	6825.2
21/12/2019 01:45	5.8	4.7	982.8	935.3	12.9	6825.2
21/12/2019 02:00	5.8	5.1	982.7	935.5	12.9	6824.6
21/12/2019 02:15	5.7	5.7	983	935.3	12.9	6825.2
21/12/2019 02:30	5.7	6.2	983	935.5	12.9	6824.6
21/12/2019 02:45	5.7	6.5	982.9	935.5	12.9	6824.6
21/12/2019 03:00	5.7	6.7	982.7	935.5	12.9	6824.6
21/12/2019 03:15	5.7	6.7	982.2	935.5	12.9	6824.6
21/12/2019 03:30	5.7	6.8	982.3	935.5	12.9	6824.6
21/12/2019 03:45	5.7	7	982.2	935.5	12.9	6824.6
21/12/2019 04:00	5.7	7	981.8	935.5	12.9	6824.6
21/12/2019 04:15	5.7	6.9	982	935.7	12.9	6824.1
21/12/2019 04:30	5.7	7	981.6	935.5	12.9	6824.6
21/12/2019 04:45	5.7	7.1	981.7	935.5	12.9	6824.6
21/12/2019 05:00	5.7	7.2	981.3	935.7	12.9	6824.1
21/12/2019 05:15	5.7	7.4	981.3	935.5	12.9	6824.6
21/12/2019 05:30	5.7	7.5	981.3	935.5	12.9	6824.6
21/12/2019 05:45	5.7	7.7	980.9	935.5	12.9	6824.6
21/12/2019 06:00	5.7	7.8	981.2	935.5	12.9	6824.6
21/12/2019 06:15	5.7	7.8	981.2	935.5	12.9	6824.6
21/12/2019 06:30	5.7	7.9	980.5	935.5	12.9	6824.6

21/12/2019 06:45	5.7	7.9	980.6	935.5	12.9	6824.6
21/12/2019 07:00	5.7	8	980.8	935.5	12.9	6824.6
21/12/2019 07:15	5.7	7.8	980.6	935.5	12.9	6824.6
21/12/2019 07:30	5.7	7.7	980.5	935.5	12.9	6824.6
21/12/2019 07:45	5.7	7.6	980.8	935.3	12.9	6825.2
21/12/2019 08:00	5.7	7.6	980.7	935.5	12.9	6824.6
21/12/2019 08:15	5.7	7.7	980.6	935.3	12.9	6825.2
21/12/2019 08:30	5.7	7.9	980.7	935.3	12.9	6825.2
21/12/2019 08:45	5.7	8.1	980.3	935.3	12.9	6825.2
21/12/2019 09:00	5.7	8.1	980.1	935.2	12.9	6825.7
21/12/2019 09:15	5.7	8.3	980.1	935	12.9	6826.2
21/12/2019 09:30	5.7	8.4	980	935.2	12.9	6825.7
21/12/2019 09:45	5.7	8.4	980.1	935.2	12.9	6825.7
21/12/2019 10:00	5.7	8.4	980.2	935	12.9	6826.2
21/12/2019 10:15	5.7	8.5	979.8	935	12.9	6826.2
21/12/2019 10:30	5.7	8.9	979.8	935	12.9	6826.2
21/12/2019 10:45	5.7	8.9	979.3	935	12.9	6826.2
21/12/2019 11:00	5.7	8.6	979.6	935	12.9	6826.2
21/12/2019 11:15	5.7	8.4	979.5	935	12.9	6826.2
21/12/2019 11:30	5.7	8.3	979.5	935	12.9	6826.2
21/12/2019 11:45	5.7	8.1	979.3	935	12.9	6826.2
21/12/2019 12:00	5.7	8.3	978.9	934.9	12.9	6826.7
21/12/2019 12:15	5.7	8.5	978.6	935	12.9	6826.2
21/12/2019 12:30	5.7	8.9	978.5	935	12.9	6826.2
21/12/2019 12:45	5.7	9.3	978.2	934.9	12.9	6826.7
21/12/2019 13:00	5.7	9.4	977.9	934.9	12.9	6826.7
21/12/2019 13:15	5.7	9.3	977.6	934.9	12.9	6826.7
21/12/2019 13:30	5.7	9.3	977.5	934.9	12.9	6826.7
21/12/2019 13:45	5.7	9.2	977.3	934.7	12.9	6827.2
21/12/2019 14:00	5.7	9.1	977.1	934.9	12.9	6826.7
21/12/2019 14:15	5.7	8.9	977	934.9	12.9	6826.7
21/12/2019 14:30	5.7	8.8	977.2	935	12.9	6826.2
21/12/2019 14:45	5.7	8.5	977.5	935	12.9	6826.2
21/12/2019 15:00	5.7	8.3	977.2	935	12.9	6826.2
21/12/2019 15:15	5.7	8.1	977.4	935	12.9	6826.2
21/12/2019 15:30	5.7	8.1	977.3	935	12.9	6826.2
21/12/2019 15:45	5.7	8.2	977.3	935	12.9	6826.2
21/12/2019 16:00	5.7	8.3	977.4	935	12.9	6826.2
21/12/2019 16:15	5.7	8.4	977	935	12.9	6826.2
21/12/2019 16:30	5.7	8.4	976.8	935.3	12.9	6825.2
21/12/2019 16:45	5.7	8.4	976.4	935	12.9	6826.2
21/12/2019 17:00	5.7	8.3	976.7	935.2	13	6825.7
21/12/2019 17:15	5.7	8.3	975.8	935.2	12.9	6825.7
21/12/2019 17:30	5.7	8.4	976.2	935.2	12.9	6825.7
21/12/2019 17:45	5.7	8.2	975.7	935.2	12.9	6825.7
21/12/2019 18:00	5.7	8	975.6	935.3	12.9	6825.2
21/12/2019 18:15	5.7	8	975.6	935.3	12.9	6825.2
21/12/2019 18:30	5.7	8.1	975.2	935.2	12.9	6825.7
21/12/2019 18:45	5.7	8.3	975.3	935.3	12.9	6825.2
21/12/2019 19:00	5.7	8.4	975.1	935.2	12.9	6825.7

21/12/2019 19:15	5.7	8.5	975	935.2	12.9	6825.7
21/12/2019 19:30	5.7	8.6	974.6	935.2	12.9	6825.7
21/12/2019 19:45	5.7	8.6	974.3	935.2	12.9	6825.7
21/12/2019 20:00	5.7	8.7	973.9	935.2	12.9	6825.7
21/12/2019 20:15	5.7	8.8	973.9	935	12.9	6826.2
21/12/2019 20:30	5.7	8.9	974	935	12.9	6826.2
21/12/2019 20:45	5.7	8.9	973.6	935	12.9	6826.2
21/12/2019 21:00	5.7	8.9	973.3	935	12.9	6826.2
21/12/2019 21:15	5.7	8.9	973.3	935	12.9	6826.2
21/12/2019 21:30	5.7	8.8	972.8	934.9	12.9	6826.7
21/12/2019 21:45	5.7	8.7	973.1	935	12.9	6826.2
21/12/2019 22:00	5.7	8.6	972.8	935	12.9	6826.2
21/12/2019 22:15	5.7	8.6	972.8	935	12.9	6826.2
21/12/2019 22:30	5.7	8.5	972.9	934.9	12.9	6826.7
21/12/2019 22:45	5.7	8.4	972.6	934.9	12.9	6826.7
21/12/2019 23:00	5.7	8.4	972.2	934.9	12.9	6826.7
21/12/2019 23:15	5.7	8.4	972	934.7	12.9	6827.2
21/12/2019 23:30	5.7	8.4	971.7	934.7	12.9	6827.2
21/12/2019 23:45	5.7	8.5	971.7	934.7	12.9	6827.2
22/12/2019 00:00	5.7	8.6	971.4	934.7	12.9	6827.2
22/12/2019 00:15	5.7	8.6	971.5	934.7	12.9	6827.2
22/12/2019 00:30	5.7	8.7	971.6	934.7	12.9	6827.2
22/12/2019 00:45	5.7	8.8	971.7	934.9	12.9	6826.7
22/12/2019 01:00	5.7	8.9	971.2	934.9	12.9	6826.7
22/12/2019 01:15	5.7	8.9	971.3	934.9	12.9	6826.7
22/12/2019 01:30	5.7	8.9	971.5	934.9	12.9	6826.7
22/12/2019 01:45	5.7	8.9	971.6	934.9	12.9	6826.7
22/12/2019 02:00	5.7	8.9	971.7	934.9	12.9	6826.7
22/12/2019 02:15	5.7	8.9	972	934.9	12.9	6826.7
22/12/2019 02:30	5.7	8.9	972	935	12.9	6826.2
22/12/2019 02:45	5.7	8.9	972	935	12.9	6826.2
22/12/2019 03:00	5.7	8.9	972.2	935	12.9	6826.2
22/12/2019 03:15	5.7	8.8	972.5	935.2	12.9	6825.7
22/12/2019 03:30	5.7	8.7	972.7	935	12.9	6826.2
22/12/2019 03:45	5.7	8.7	972.3	935	12.9	6826.2
22/12/2019 04:00	5.7	8.6	972.7	935	12.9	6826.2
22/12/2019 04:15	5.7	8.4	972.7	935.2	12.9	6825.7
22/12/2019 04:30	5.7	8.4	972.8	935	12.9	6826.2
22/12/2019 04:45	5.7	8.3	973	935.2	12.9	6825.7
22/12/2019 05:00	5.7	8.2	973.2	935.3	12.9	6825.2
22/12/2019 05:15	5.7	8.2	973.1	935.3	12.9	6825.2
22/12/2019 05:30	5.7	8.2	973.6	935.3	12.9	6825.2
22/12/2019 05:45	5.7	8.2	973.5	935.3	12.9	6825.2
22/12/2019 06:00	5.7	8.2	974.1	935.5	12.9	6824.6
22/12/2019 06:15	5.7	8.3	974	935.3	12.9	6825.2
22/12/2019 06:30	5.7	8.3	974.2	935.3	12.9	6825.2
22/12/2019 06:45	5.7	8.3	974.6	935.3	12.9	6825.2
22/12/2019 07:00	5.7	8.4	974.3	935.5	12.9	6824.6
22/12/2019 07:15	5.7	8.5	974.5	935.3	12.9	6825.2
22/12/2019 07:30	5.7	8.5	975.3	935.3	12.9	6825.2

22/12/2019 07:45	5.7	8.5	975.3	935.5	12.9	6824.6
22/12/2019 08:00	5.7	8.5	975.7	935.3	12.9	6825.2
22/12/2019 08:15	5.7	8.5	975.7	935.3	12.9	6825.2
22/12/2019 08:30	5.7	8.5	976.1	935.3	12.9	6825.2
22/12/2019 08:45	5.7	8.5	976.2	935.3	12.9	6825.2
22/12/2019 09:00	5.7	8.4	976.6	935.3	12.9	6825.2
22/12/2019 09:15	5.7	8.5	977.1	935.2	12.9	6825.7
22/12/2019 09:30	5.7	8.5	977.3	935.2	12.9	6825.7
22/12/2019 09:45	5.7	8.6	977.6	935.3	12.9	6825.2
22/12/2019 10:00	5.7	8.7	978	935.3	12.9	6825.2
22/12/2019 10:15	5.7	8.7	978.3	935.3	12.9	6825.2
22/12/2019 10:30	5.7	8.7	978.9	935.2	12.9	6825.7
22/12/2019 10:45	5.7	8.7	979	935.2	12.9	6825.7
22/12/2019 11:00	5.7	8.9	979.5	935.3	12.9	6825.2
22/12/2019 11:15	5.7	9.2	979.9	935.2	12.9	6825.7
22/12/2019 11:30	5.7	9.3	980.2	935.2	12.9	6825.7
22/12/2019 11:45	5.7	9.3	980.3	935.2	12.9	6825.7
22/12/2019 12:00	5.7	9.3	980.9	935.2	12.9	6825.7
22/12/2019 12:15	5.7	9.1	981.1	935.2	12.9	6825.7
22/12/2019 12:30	5.7	9	981.6	935.2	12.9	6825.7
22/12/2019 12:45	5.7	8.9	981.3	935.2	12.9	6825.7
22/12/2019 13:00	5.7	8.9	982	935.2	12.9	6825.7
22/12/2019 13:15	5.7	8.9	982	935.2	12.9	6825.7
22/12/2019 13:30	5.7	9	982.4	935	12.9	6826.2
22/12/2019 13:45	5.7	9.1	982.4	935.2	12.9	6825.7
22/12/2019 14:00	5.7	9	982.7	935.2	12.9	6825.7
22/12/2019 14:15	5.7	9	982.9	935.2	12.9	6825.7
22/12/2019 14:30	5.7	9	983.2	935.2	12.9	6825.7
22/12/2019 14:45	5.7	8.8	983.5	935.2	12.9	6825.7
22/12/2019 15:00	5.7	8.6	983.8	935.3	12.9	6825.2
22/12/2019 15:15	5.7	8.3	984	935.3	12.9	6825.2
22/12/2019 15:30	5.7	8	984.6	935.3	12.9	6825.2
22/12/2019 15:45	5.7	7.6	985.1	935.5	12.9	6824.6
22/12/2019 16:00	5.7	7.3	985.5	935.3	12.9	6825.2
22/12/2019 16:15	5.7	6.9	985.5	935.5	12.9	6824.6
22/12/2019 16:30	5.7	6.6	985.7	935.5	12.9	6824.6
22/12/2019 16:45	5.7	6.2	986.1	935.5	12.9	6824.6
22/12/2019 17:00	5.7	5.9	986.5	935.7	12.9	6824.1
22/12/2019 17:15	5.7	5.6	986.7	935.8	12.9	6823.6
22/12/2019 17:30	5.7	5.4	987	935.5	12.9	6824.6
22/12/2019 17:45	5.7	5.2	987.1	935.8	12.9	6823.6
22/12/2019 18:00	5.7	5.1	987.6	935.7	12.9	6824.1
22/12/2019 18:15	5.7	4.9	987.7	935.8	12.9	6823.6
22/12/2019 18:30	5.8	4.7	988.2	936	12.9	6823.1
22/12/2019 18:45	5.8	4.6	988.3	935.8	12.9	6823.6
22/12/2019 19:00	5.8	4.5	988.5	936	12.9	6823.1
22/12/2019 19:15	5.8	4.6	988.5	936	12.9	6823.1
22/12/2019 19:30	5.7	4.8	988.6	936	12.9	6823.1
22/12/2019 19:45	5.7	4.8	988.9	936	12.9	6823.1
22/12/2019 20:00	5.8	4.7	989.1	936	12.9	6823.1

22/12/2019 20:15	5.8	4.7	989.5	936	12.9	6823.1
22/12/2019 20:30	5.7	4.9	989.6	936	12.9	6823.1
22/12/2019 20:45	5.7	5.2	989.6	935.8	12.9	6823.6
22/12/2019 21:00	5.7	5.6	989.9	936	12.9	6823.1
22/12/2019 21:15	5.7	5.9	989.9	936.2	12.9	6822.5
22/12/2019 21:30	5.7	6.2	990.4	936	12.9	6823.1
22/12/2019 21:45	5.7	6.3	990.4	935.8	12.9	6823.6
22/12/2019 22:00	5.7	6.4	990.6	936	12.9	6823.1
22/12/2019 22:15	5.7	6.6	991	935.8	12.9	6823.6
22/12/2019 22:30	5.7	6.7	991.3	936	12.9	6823.1
22/12/2019 22:45	5.7	6.6	991.7	935.8	12.9	6823.6
22/12/2019 23:00	5.7	6.4	991.9	936	12.9	6823.1
22/12/2019 23:15	5.7	6.2	992.2	935.8	12.9	6823.6
22/12/2019 23:30	5.7	5.9	992.5	935.8	12.9	6823.6
22/12/2019 23:45	5.7	5.9	993	935.8	12.9	6823.6
23/12/2019 00:00	5.7	6.1	992.6	935.8	12.9	6823.6
23/12/2019 00:15	5.7	6.3	993	935.8	12.9	6823.6
23/12/2019 00:30	5.7	6.3	993.3	936	12.9	6823.1
23/12/2019 00:45	5.7	6.4	993.3	935.8	12.9	6823.6
23/12/2019 01:00	5.7	6.5	993.7	935.8	12.9	6823.6
23/12/2019 01:15	5.7	6.5	993.8	935.8	12.9	6823.6
23/12/2019 01:30	5.7	6.4	994.2	935.8	12.9	6823.6
23/12/2019 01:45	5.7	6.1	994.6	936	12.9	6823.1
23/12/2019 02:00	5.7	5.7	995	935.8	12.9	6823.6
23/12/2019 02:15	5.7	5.3	995.3	936	12.9	6823.1
23/12/2019 02:30	5.7	5.1	995.6	935.8	12.9	6823.6
23/12/2019 02:45	5.7	4.8	995.9	935.8	12.9	6823.6
23/12/2019 03:00	5.8	4.6	996	936	12.9	6823.1
23/12/2019 03:15	5.8	4.4	996	936	12.9	6823.1
23/12/2019 03:30	5.8	4.2	996.3	936.2	12.9	6822.5
23/12/2019 03:45	5.8	4	996.4	936	12.9	6823.1
23/12/2019 04:00	5.8	3.8	996.4	936	12.9	6823.1
23/12/2019 04:15	5.8	3.7	997	936.2	12.9	6822.5
23/12/2019 04:30	5.8	3.8	997.2	936.2	12.9	6822.5
23/12/2019 04:45	5.8	4.1	997.2	936.3	12.9	6822
23/12/2019 05:00	5.7	4.4	997.6	936.3	12.9	6822
23/12/2019 05:15	5.7	4.6	997.8	936.3	12.9	6822
23/12/2019 05:30	5.7	4.7	998	936.3	12.9	6822
23/12/2019 05:45	5.7	4.9	997.8	936.3	12.9	6822
23/12/2019 06:00	5.7	5	998.6	936.5	12.9	6821.5
23/12/2019 06:15	5.7	5.1	998.5	936.3	12.9	6822
23/12/2019 06:30	5.7	5.1	999.1	936.5	12.9	6821.5
23/12/2019 06:45	5.7	4.8	999.1	936.3	12.9	6822
23/12/2019 07:00	5.7	4.8	999.6	936.6	12.9	6821
23/12/2019 07:15	5.7	4.9	999.8	936.5	12.9	6821.5
23/12/2019 07:30	5.7	5.1	1000.2	936.5	12.9	6821.5
23/12/2019 07:45	5.7	5.2	1000.8	936.6	12.9	6821
23/12/2019 08:00	5.7	5.3	1000.6	936.6	12.9	6821
23/12/2019 08:15	5.7	5.5	1001.2	936.5	12.9	6821.5
23/12/2019 08:30	5.7	5.8	1001.3	936.5	12.9	6821.5

23/12/2019 08:45	5.7	6	1001.7	936.8	12.9	6820.5
23/12/2019 09:00	5.7	6	1002.2	936.5	12.9	6821.5
23/12/2019 09:15	5.7	5.9	1002.5	936.5	12.9	6821.5
23/12/2019 09:30	5.7	6	1002.6	936.6	12.9	6821
23/12/2019 09:45	5.7	6.1	1003	936.6	12.9	6821
23/12/2019 10:00	5.7	6.2	1003.4	936.6	12.9	6821
23/12/2019 10:15	5.7	6.4	1003.5	936.5	12.9	6821.5
23/12/2019 10:30	5.7	6.6	1003.7	936.5	12.9	6821.5
23/12/2019 10:45	5.7	6.8	1003.7	936.5	12.9	6821.5
23/12/2019 11:00	5.7	7	1004	936.6	12.9	6821
23/12/2019 11:15	5.7	7.2	1004.3	936.5	12.9	6821.5
23/12/2019 11:30	5.7	7.4	1004	936.3	12.9	6822
23/12/2019 11:45	5.7	7.8	1003.9	936.3	12.9	6822
23/12/2019 12:00	5.7	8.2	1004.1	936.3	12.9	6822
23/12/2019 12:15	5.7	8.5	1004.2	936.2	12.9	6822.5
23/12/2019 12:30	5.7	8.7	1003.9	936.3	12.9	6822
23/12/2019 12:45	5.7	9	1004.3	936.2	12.9	6822.5
23/12/2019 13:00	5.7	9	1004.4	936.3	12.9	6822
23/12/2019 13:15	5.7	9	1004.5	936.3	12.9	6822
23/12/2019 13:30	5.7	9	1004.3	936.2	12.9	6822.5
23/12/2019 13:45	5.7	8.9	1005	936.2	12.9	6822.5
23/12/2019 14:00	5.7	9	1005.3	936	12.9	6823.1
23/12/2019 14:15	5.7	8.9	1005.4	936.3	12.9	6822
23/12/2019 14:30	5.7	8.7	1005.5	936.2	12.9	6822.5
23/12/2019 14:45	5.7	8.5	1006.1	936.2	12.9	6822.5
23/12/2019 15:00	5.7	8.3	1006.3	936.3	12.9	6822
23/12/2019 15:15	5.7	8.1	1006.3	936.3	12.9	6822
23/12/2019 15:30	5.7	7.8	1006.5	936.3	12.9	6822
23/12/2019 15:45	5.7	7.5	1006.8	936.5	12.9	6821.5
23/12/2019 16:00	5.7	7.3	1006.9	936.5	12.9	6821.5
23/12/2019 16:15	5.7	7	1007	936.3	12.9	6822
23/12/2019 16:30	5.7	6.7	1007.4	936.5	12.9	6821.5
23/12/2019 16:45	5.7	6.3	1007.4	936.5	12.9	6821.5
23/12/2019 17:00	5.7	6	1007.6	936.5	12.9	6821.5
23/12/2019 17:15	5.7	5.7	1007.4	936.5	12.9	6821.5
23/12/2019 17:30	5.7	5.4	1008	936.6	12.9	6821
23/12/2019 17:45	5.7	5.2	1008	936.5	12.9	6821.5
23/12/2019 18:00	5.7	5	1008.3	936.5	12.9	6821.5
23/12/2019 18:15	5.7	4.9	1008.4	936.5	12.9	6821.5
23/12/2019 18:30	5.7	4.9	1008.4	936.6	12.9	6821
23/12/2019 18:45	5.7	4.9	1008.3	936.6	12.9	6821
23/12/2019 19:00	5.7	5.1	1008.3	936.6	12.9	6821
23/12/2019 19:15	5.7	5.2	1008.7	936.6	12.9	6821
23/12/2019 19:30	5.7	5.3	1008.3	936.8	12.9	6820.5
23/12/2019 19:45	5.7	5.4	1008.3	936.6	12.9	6821
23/12/2019 20:00	5.7	5.4	1008.6	936.8	12.9	6820.5
23/12/2019 20:15	5.7	5.4	1008.4	936.8	12.9	6820.5
23/12/2019 20:30	5.7	5.4	1008.6	936.6	12.9	6821
23/12/2019 20:45	5.7	5.4	1008.8	936.5	12.9	6821.5
23/12/2019 21:00	5.7	5.3	1008.6	936.8	12.9	6820.5

23/12/2019 21:15	5.7	5.3	1008.5	936.8	12.9	6820.5
23/12/2019 21:30	5.7	5.4	1008.2	936.6	12.9	6821
23/12/2019 21:45	5.7	5.4	1008.4	936.6	12.9	6821
23/12/2019 22:00	5.7	5.5	1008.4	936.6	12.9	6821
23/12/2019 22:15	5.7	5.6	1008.2	936.8	12.9	6820.5
23/12/2019 22:30	5.7	5.6	1008.6	936.6	12.9	6821
23/12/2019 22:45	5.7	5.7	1008.3	936.5	12.9	6821.5
23/12/2019 23:00	5.7	5.7	1008.4	936.6	12.9	6821
23/12/2019 23:15	5.7	5.7	1008.3	936.5	12.9	6821.5
23/12/2019 23:30	5.7	5.7	1008.6	936.5	12.9	6821.5
23/12/2019 23:45	5.7	5.7	1008.3	936.5	12.9	6821.5
24/12/2019 00:00	5.7	5.8	1008.2	936.5	12.9	6821.5
24/12/2019 00:15	5.7	5.8	1007.9	936.5	12.9	6821.5
24/12/2019 00:30	5.7	5.8	1007.7	936.3	12.9	6822
24/12/2019 00:45	5.7	5.9	1007.2	936.3	12.9	6822
24/12/2019 01:00	5.7	5.9	1007.4	936.5	12.9	6821.5
24/12/2019 01:15	5.7	6	1007.2	936.3	12.9	6822
24/12/2019 01:30	5.7	6.1	1006.8	936.5	12.9	6821.5
24/12/2019 01:45	5.7	6.1	1006.9	936.3	12.9	6822
24/12/2019 02:00	5.7	6.2	1006.4	936.5	12.9	6821.5
24/12/2019 02:15	5.7	6.3	1006.2	936.2	12.9	6822.5
24/12/2019 02:30	5.7	6.4	1006.1	936.2	12.9	6822.5
24/12/2019 02:45	5.7	6.6	1005.9	936.3	12.9	6822
24/12/2019 03:00	5.7	6.8	1005.3	936.2	12.9	6822.5
24/12/2019 03:15	5.7	7	1004.7	936.2	12.9	6822.5
24/12/2019 03:30	5.7	7.1	1004.5	936.3	12.9	6822
24/12/2019 03:45	5.7	7.2	1004.2	936.3	12.9	6822
24/12/2019 04:00	5.7	7.2	1003.9	936.3	12.9	6822
24/12/2019 04:15	5.7	7.3	1003.6	936.3	12.9	6822
24/12/2019 04:30	5.7	7.5	1003.8	936.3	12.9	6822
24/12/2019 04:45	5.7	7.5	1003.6	936.3	12.9	6822
24/12/2019 05:00	5.7	7.5	1003	936.3	12.9	6822
24/12/2019 05:15	5.7	7.6	1002.3	936.2	12.9	6822.5
24/12/2019 05:30	5.7	7.6	1002.4	936.3	12.9	6822
24/12/2019 05:45	5.7	7.7	1002.1	936.5	12.9	6821.5
24/12/2019 06:00	5.7	7.8	1001.4	936.3	12.9	6822
24/12/2019 06:15	5.7	7.8	1001.3	936.3	12.9	6822
24/12/2019 06:30	5.7	7.9	1001	936.3	12.9	6822
24/12/2019 06:45	5.7	8	1001.2	936.3	12.9	6822
24/12/2019 07:00	5.7	8.1	1001.4	936.5	12.9	6821.5
24/12/2019 07:15	5.7	8.1	1001	936.5	12.9	6821.5
24/12/2019 07:30	5.7	8	1001.3	936.5	12.9	6821.5
24/12/2019 07:45	5.7	7.7	1001.3	936.3	12.9	6822
24/12/2019 08:00	5.7	7.3	1001.5	936.5	12.9	6821.5
24/12/2019 08:15	5.7	7	1001.4	936.5	12.9	6821.5
24/12/2019 08:30	5.7	6.9	1001.6	936.6	12.9	6821
24/12/2019 08:45	5.7	6.9	1001.5	936.5	12.9	6821.5
24/12/2019 09:00	5.7	6.9	1001.3	936.5	12.9	6821.5
24/12/2019 09:15	5.7	7	1001.5	936.5	12.9	6821.5
24/12/2019 09:30	5.7	7.2	1001.8	936.5	12.9	6821.5

24/12/2019 09:45	5.7	7.4	1001.9	936.6	12.9	6821
24/12/2019 10:00	5.7	7.6	1002.1	936.6	12.9	6821
24/12/2019 10:15	5.7	7.8	1002.2	936.6	12.9	6821
24/12/2019 10:30	5.7	8.2	1002	936.6	12.9	6821
24/12/2019 10:45	5.7	8.5	1002.4	936.5	12.9	6821.5
24/12/2019 11:00	5.7	8.7	1002.3	936.3	12.9	6822
24/12/2019 11:15	5.7	9.1	1002.1	936.5	12.9	6821.5
24/12/2019 11:30	5.7	9.4	1001.7	936.3	12.9	6822
24/12/2019 11:45	5.7	9.9	1001.9	936.3	12.9	6822
24/12/2019 12:00	5.7	10	1001.9	936.3	12.9	6822
24/12/2019 12:15	5.7	9.9	1001.7	936.3	12.9	6822
24/12/2019 12:30	5.7	10.1	1002	936.3	12.9	6822
24/12/2019 12:45	5.7	10.3	1002.1	936.3	12.9	6822
24/12/2019 13:00	5.7	10.5	1002.3	936.2	12.9	6822.5
24/12/2019 13:15	5.7	10.8	1002.2	936.2	12.9	6822.5
24/12/2019 13:30	5.7	10.8	1002.2	936.3	12.9	6822
24/12/2019 13:45	5.7	10.7	1002.8	936.2	12.9	6822.5
24/12/2019 14:00	5.7	10.5	1003.1	936.3	12.9	6822
24/12/2019 14:15	5.7	10.4	1003.3	936	12.9	6823.1
24/12/2019 14:30	5.7	10.3	1003.3	936.3	12.9	6822
24/12/2019 14:45	5.7	10.2	1003.3	935.8	12.9	6823.6
24/12/2019 15:00	5.7	10	1003.5	936.2	12.9	6822.5
24/12/2019 15:15	5.7	9.8	1003.8	936.2	12.9	6822.5
24/12/2019 15:30	5.7	9.6	1004.1	935.8	12.9	6823.6
24/12/2019 15:45	5.7	9.3	1003.8	936.2	12.9	6822.5
24/12/2019 16:00	5.7	8.9	1004	936	12.9	6823.1
24/12/2019 16:15	5.7	8.4	1004.5	936.3	12.9	6822
24/12/2019 16:30	5.7	7.9	1004.7	936.2	12.9	6822.5
24/12/2019 16:45	5.7	7.4	1004.7	936.3	12.9	6822
24/12/2019 17:00	5.7	7.1	1004.9	936.3	12.9	6822
24/12/2019 17:15	5.7	6.9	1004.9	936.3	12.9	6822
24/12/2019 17:30	5.7	6.9	1005.1	936.3	12.9	6822
24/12/2019 17:45	5.7	6.8	1005.3	936.3	12.9	6822
24/12/2019 18:00	5.7	6.7	1005.3	936.3	12.9	6822
24/12/2019 18:15	5.7	6.6	1005.7	936.3	12.9	6822
24/12/2019 18:30	5.7	6.3	1005.8	936.3	12.9	6822
24/12/2019 18:45	5.7	6	1006.2	936.5	12.9	6821.5
24/12/2019 19:00	5.7	5.8	1005.9	936.5	12.9	6821.5
24/12/2019 19:15	5.7	5.7	1006.7	936.6	12.9	6821
24/12/2019 19:30	5.7	5.7	1006.7	936.6	12.9	6821
24/12/2019 19:45	5.7	5.7	1006.9	936.5	12.9	6821.5
24/12/2019 20:00	5.7	5.9	1006.8	936.6	12.9	6821
24/12/2019 20:15	5.7	6.2	1007.3	936.5	12.9	6821.5
24/12/2019 20:30	5.7	6.2	1007.6	936.6	12.9	6821
24/12/2019 20:45	5.7	6	1007.6	936.8	12.9	6820.5
24/12/2019 21:00	5.7	6	1007.7	936.8	12.9	6820.5
24/12/2019 21:15	5.7	6	1008.3	937.1	12.9	6819.4
24/12/2019 21:30	5.7	5.9	1008.4	936.6	12.9	6821
24/12/2019 21:45	5.7	5.8	1008.4	936.6	12.9	6821
24/12/2019 22:00	5.7	5.6	1008.9	937	12.9	6819.9

24/12/2019 22:15	5.7	5.4	1009.4	936.8	12.9	6820.5
24/12/2019 22:30	5.7	5.4	1009.8	936.8	12.9	6820.5
24/12/2019 22:45	5.7	5.6	1009.9	937.1	12.9	6819.4
24/12/2019 23:00	5.7	5.8	1010	936.8	12.9	6820.5
24/12/2019 23:15	5.7	5.8	1010.3	936.6	12.9	6821
24/12/2019 23:30	5.7	5.9	1010.4	936.6	12.9	6821
24/12/2019 23:45	5.7	6	1010.3	936.6	12.9	6821
25/12/2019 00:00	5.7	6.2	1010.7	936.6	12.9	6821
25/12/2019 00:15	5.7	6.3	1011	936.8	12.9	6820.5
25/12/2019 00:30	5.7	6.4	1011.3	936.6	12.9	6821
25/12/2019 00:45	5.7	6.5	1011.9	936.6	12.9	6821
25/12/2019 01:00	5.7	6.6	1012.3	936.6	12.9	6821
25/12/2019 01:15	5.7	6.7	1012.5	936.6	12.9	6821
25/12/2019 01:30	5.7	6.8	1012.8	936.6	12.9	6821
25/12/2019 01:45	5.7	6.9	1013.2	936.6	12.9	6821
25/12/2019 02:00	5.7	6.9	1013.1	936.6	12.9	6821
25/12/2019 02:15	5.7	6.9	1013.7	936.5	12.9	6821.5
25/12/2019 02:30	5.7	6.9	1013.9	936.8	12.9	6820.5
25/12/2019 02:45	5.7	6.9	1014	936.5	12.9	6821.5
25/12/2019 03:00	5.7	6.9	1014.7	936.6	12.9	6821
25/12/2019 03:15	5.7	6.9	1014.6	936.6	12.9	6821
25/12/2019 03:30	5.7	6.9	1014.7	936.3	12.9	6822
25/12/2019 03:45	5.7	6.8	1014.9	936.6	12.9	6821
25/12/2019 04:00	5.7	6.7	1015	936.6	12.9	6821
25/12/2019 04:15	5.7	6.4	1015.5	936.8	12.9	6820.5
25/12/2019 04:30	5.7	5.9	1015.5	936.8	12.9	6820.5
25/12/2019 04:45	5.7	5.6	1015.6	936.8	12.9	6820.5
25/12/2019 05:00	5.7	5.3	1016	936.8	12.9	6820.5
25/12/2019 05:15	5.7	5.1	1016	936.8	12.9	6820.5
25/12/2019 05:30	5.7	4.8	1016.6	936.8	12.9	6820.5
25/12/2019 05:45	5.7	4.7	1016.8	936.8	12.9	6820.5
25/12/2019 06:00	5.7	4.5	1016.9	936.8	12.9	6820.5
25/12/2019 06:15	5.7	4.3	1016.8	936.8	12.9	6820.5
25/12/2019 06:30	5.7	4.1	1017.4	937	12.9	6819.9
25/12/2019 06:45	5.7	4	1017.4	937	12.9	6819.9
25/12/2019 07:00	5.7	3.9	1017.6	937	12.9	6819.9
25/12/2019 07:15	5.7	3.8	1018.1	937.1	12.9	6819.4
25/12/2019 07:30	5.7	3.9	1018.2	937.3	12.9	6818.9
25/12/2019 07:45	5.7	4	1018.5	937.1	12.9	6819.4
25/12/2019 08:00	5.7	4.1	1018.8	937.4	12.9	6818.4
25/12/2019 08:15	5.7	4.1	1019.1	937.4	12.9	6818.4
25/12/2019 08:30	5.7	4.1	1019.7	937.3	12.9	6818.9
25/12/2019 08:45	5.7	4	1019.6	937.4	12.9	6818.4
25/12/2019 09:00	5.7	4	1019.8	937.6	12.9	6817.8
25/12/2019 09:15	5.7	4.1	1019.9	937.3	12.9	6818.9
25/12/2019 09:30	5.7	4.2	1020.1	937.4	12.9	6818.4
25/12/2019 09:45	5.7	4.4	1020.7	937.6	12.9	6817.8
25/12/2019 10:00	5.7	4.7	1020.7	937.8	12.9	6817.3
25/12/2019 10:15	5.7	4.9	1020.8	937.6	12.9	6817.8
25/12/2019 10:30	5.7	5.2	1021.3	937.6	12.9	6817.8

25/12/2019 10:45	5.7	5.4	1021.1	937.4	12.9	6818.4
25/12/2019 11:00	5.7	5.6	1021.1	937.4	12.9	6818.4
25/12/2019 11:15	5.7	5.8	1021.3	937.3	12.9	6818.9
25/12/2019 11:30	5.7	6.1	1021.3	937.6	12.9	6817.8
25/12/2019 11:45	5.7	6.4	1021.2	937.4	12.9	6818.4
25/12/2019 12:00	5.7	6.8	1021.5	937.3	12.9	6818.9
25/12/2019 12:15	5.7	7	1021.7	937.3	12.9	6818.9
25/12/2019 12:30	5.7	7.2	1021.8	937.3	12.9	6818.9
25/12/2019 12:45	5.7	7.5	1021.7	937.3	12.9	6818.9
25/12/2019 13:00	5.7	7.6	1021.9	937.1	12.9	6819.4
25/12/2019 13:15	5.7	7.5	1021.9	937.1	12.9	6819.4
25/12/2019 13:30	5.7	7.3	1021.8	937.3	12.9	6818.9
25/12/2019 13:45	5.7	7.2	1021.8	937.1	12.9	6819.4
25/12/2019 14:00	5.7	7.1	1021.7	937.1	12.9	6819.4
25/12/2019 14:15	5.7	7	1021.8	937	12.9	6819.9
25/12/2019 14:30	5.7	6.9	1022	937.1	12.9	6819.4
25/12/2019 14:45	5.7	6.7	1022.4	937	12.9	6819.9
25/12/2019 15:00	5.7	6.4	1022.4	937.1	12.9	6819.4
25/12/2019 15:15	5.7	6.1	1022.8	936.8	12.9	6820.5
25/12/2019 15:30	5.7	5.7	1022.7	937.1	12.9	6819.4
25/12/2019 15:45	5.7	5.3	1022.7	936.8	12.9	6820.5
25/12/2019 16:00	5.7	4.9	1023.2	937.1	12.9	6819.4
25/12/2019 16:15	5.7	4.4	1023.4	937	12.9	6819.9
25/12/2019 16:30	5.7	4	1023.3	937.1	12.9	6819.4
25/12/2019 16:45	5.7	3.5	1023.4	937.1	12.9	6819.4
25/12/2019 17:00	5.8	3.2	1023.4	937.3	12.9	6818.9
25/12/2019 17:15	5.8	2.9	1023.5	937.1	12.9	6819.4
25/12/2019 17:30	5.8	2.6	1023.2	937.1	12.9	6819.4
25/12/2019 17:45	5.8	2.3	1023.5	937.1	12.9	6819.4
25/12/2019 18:00	5.8	2.1	1023.7	937	12.9	6819.9
25/12/2019 18:15	5.8	1.9	1023.6	937.1	12.9	6819.4
25/12/2019 18:30	5.8	1.8	1023.6	937	12.9	6819.9
25/12/2019 18:45	5.8	1.6	1023.7	937.3	12.9	6818.9
25/12/2019 19:00	5.8	1.5	1023.6	937.4	12.9	6818.4
25/12/2019 19:15	5.8	1.4	1023.5	937	12.9	6819.9
25/12/2019 19:30	5.8	1.2	1023.6	937.3	12.9	6818.9
25/12/2019 19:45	5.8	1	1023.6	937.3	12.9	6818.9
25/12/2019 20:00	5.8	0.9	1024	937.4	12.9	6818.4
25/12/2019 20:15	5.8	0.9	1023.8	937.4	12.9	6818.4
25/12/2019 20:30	5.8	0.8	1023.8	937.4	12.9	6818.4
25/12/2019 20:45	5.8	0.7	1023.9	937.3	12.9	6818.9
25/12/2019 21:00	5.8	0.6	1023.9	937.4	12.9	6818.4
25/12/2019 21:15	5.8	0.5	1023.9	937.6	12.9	6817.8
25/12/2019 21:30	5.8	0.4	1023.7	937.4	12.9	6818.4
25/12/2019 21:45	5.8	0.3	1023.8	937.4	12.9	6818.4
25/12/2019 22:00	5.8	0.2	1023.6	937.3	12.9	6818.9
25/12/2019 22:15	5.8	0.2	1023.8	937.4	12.9	6818.4
25/12/2019 22:30	5.8	0.1	1023.9	937.4	12.9	6818.4
25/12/2019 22:45	5.8	0	1023.7	937.3	12.9	6818.9
25/12/2019 23:00	5.8	0	1023.6	937.3	12.9	6818.9

25/12/2019 23:15	5.8	-0.1	1023.6	937.3	12.9	6818.9
25/12/2019 23:30	5.8	-0.1	1023.3	937.3	12.9	6818.9
25/12/2019 23:45	5.8	-0.1	1023.6	937.1	12.9	6819.4
26/12/2019 00:00	5.8	-0.1	1023.5	937.1	12.9	6819.4
26/12/2019 00:15	5.8	-0.1	1023.5	937.1	12.9	6819.4
26/12/2019 00:30	5.8	-0.1	1023.2	937.1	12.9	6819.4
26/12/2019 00:45	5.8	-0.1	1023.2	937.1	12.9	6819.4
26/12/2019 01:00	5.8	0	1022.9	936.8	12.9	6820.5
26/12/2019 01:15	5.8	0	1022.5	937.1	12.9	6819.4
26/12/2019 01:30	5.8	0.1	1022.5	936.8	12.9	6820.5
26/12/2019 01:45	5.8	0.2	1022.2	936.8	12.9	6820.5
26/12/2019 02:00	5.8	0.2	1022	936.8	12.9	6820.5
26/12/2019 02:15	5.8	0.3	1022	936.8	12.9	6820.5
26/12/2019 02:30	5.8	0.4	1021.4	936.6	12.9	6821
26/12/2019 02:45	5.8	0.5	1021.7	936.8	12.9	6820.5
26/12/2019 03:00	5.8	0.7	1021.7	936.6	12.9	6821
26/12/2019 03:15	5.8	0.9	1021.5	936.6	12.9	6821
26/12/2019 03:30	5.8	1	1021.3	936.8	12.9	6820.5
26/12/2019 03:45	5.8	1.2	1021.2	936.6	12.9	6821
26/12/2019 04:00	5.8	1.3	1020.9	936.6	12.9	6821
26/12/2019 04:15	5.8	1.5	1020.4	936.6	12.9	6821
26/12/2019 04:30	5.8	2	1020.4	936.6	12.9	6821
26/12/2019 04:45	5.7	2.6	1020.1	936.5	12.9	6821.5
26/12/2019 05:00	5.7	3.2	1020	936.5	12.9	6821.5
26/12/2019 05:15	5.7	3.8	1019.7	936.6	12.9	6821
26/12/2019 05:30	5.7	4.4	1019.5	936.6	12.9	6821
26/12/2019 05:45	5.7	4.8	1019.6	936.6	12.9	6821
26/12/2019 06:00	5.7	5.3	1019.3	936.8	12.9	6820.5
26/12/2019 06:15	5.7	5.5	1018.7	936.8	12.9	6820.5
26/12/2019 06:30	5.7	5.7	1018.8	936.6	12.9	6821
26/12/2019 06:45	5.7	5.8	1018.6	936.8	12.9	6820.5
26/12/2019 07:00	5.7	5.9	1018.7	936.8	12.9	6820.5
26/12/2019 07:15	5.7	6.1	1018.8	936.8	12.9	6820.5
26/12/2019 07:30	5.7	6.2	1018.7	936.8	12.9	6820.5
26/12/2019 07:45	5.7	6.4	1018.5	936.8	12.9	6820.5
26/12/2019 08:00	5.7	6.6	1018.4	937.1	12.9	6819.4
26/12/2019 08:15	5.7	6.7	1018.4	936.8	12.9	6820.5
26/12/2019 08:30	5.7	6.8	1017.9	937.1	12.9	6819.4
26/12/2019 08:45	5.7	6.9	1017.9	936.8	12.9	6820.5
26/12/2019 09:00	5.7	7	1017.6	937.1	12.9	6819.4
26/12/2019 09:15	5.7	7.1	1017.7	936.8	12.9	6820.5
26/12/2019 09:30	5.7	7.2	1017.1	937.1	12.9	6819.4
26/12/2019 09:45	5.7	7.3	1017.1	936.8	12.9	6820.5
26/12/2019 10:00	5.7	7.4	1016.9	937.1	12.9	6819.4
26/12/2019 10:15	5.7	7.5	1016.9	937	12.9	6819.9
26/12/2019 10:30	5.7	7.6	1016.7	936.8	12.9	6820.5
26/12/2019 10:45	5.7	7.6	1016.3	936.8	12.9	6820.5
26/12/2019 11:00	5.7	7.8	1015.9	936.8	12.9	6820.5
26/12/2019 11:15	5.7	7.9	1015.1	937	12.9	6819.9
26/12/2019 11:30	5.7	8	1015.1	936.8	12.9	6820.5

26/12/2019 11:45	5.7	7.9	1015.2	936.6	12.9	6821
26/12/2019 12:00	5.7	7.6	1014.9	936.8	12.9	6820.5
26/12/2019 12:15	5.7	7.6	1014.6	936.8	12.9	6820.5
26/12/2019 12:30	5.7	7.8	1014.7	936.8	12.9	6820.5
26/12/2019 12:45	5.7	8.1	1014	936.8	12.9	6820.5
26/12/2019 13:00	5.7	8.2	1014	936.6	12.9	6821
26/12/2019 13:15	5.7	8.1	1013.5	936.5	12.9	6821.5
26/12/2019 13:30	5.7	8	1013.2	936.5	12.9	6821.5
26/12/2019 13:45	5.7	7.9	1013	936.3	12.9	6822
26/12/2019 14:00	5.7	7.9	1012.8	936.5	12.9	6821.5
26/12/2019 14:15	5.7	7.9	1012.5	936.5	12.9	6821.5
26/12/2019 14:30	5.7	7.9	1012.4	936.3	12.9	6822
26/12/2019 14:45	5.7	7.9	1011.8	936.3	12.9	6822
26/12/2019 15:00	5.7	7.9	1011.7	936.5	12.9	6821.5
26/12/2019 15:15	5.7	8	1011.1	936.3	12.9	6822
26/12/2019 15:30	5.7	8	1010.9	936.3	12.9	6822
26/12/2019 15:45	5.7	8.1	1010.6	936.3	12.9	6822
26/12/2019 16:00	5.7	8.1	1010.2	936.2	12.9	6822.5
26/12/2019 16:15	5.7	8.2	1009.8	936.2	12.9	6822.5
26/12/2019 16:30	5.7	8.3	1009.6	936.2	12.9	6822.5
26/12/2019 16:45	5.7	8.4	1009.5	936.2	12.9	6822.5
26/12/2019 17:00	5.7	8.6	1009.5	936	12.9	6823.1
26/12/2019 17:15	5.7	8.8	1009.5	936.3	12.9	6822
26/12/2019 17:30	5.7	8.8	1009.5	936.2	12.9	6822.5
26/12/2019 17:45	5.7	8.8	1009.4	936.3	12.9	6822
26/12/2019 18:00	5.7	8.8	1009.4	936.2	12.9	6822.5
26/12/2019 18:15	5.7	8.8	1009.7	936.2	12.9	6822.5
26/12/2019 18:30	5.7	8.8	1009.5	936.3	12.9	6822
26/12/2019 18:45	5.7	8.6	1009.8	936	12.9	6823.1
26/12/2019 19:00	5.7	8.5	1009.9	936.5	12.9	6821.5
26/12/2019 19:15	5.7	8.4	1009.9	936.3	12.9	6822
26/12/2019 19:30	5.7	8.3	1010.1	936.5	12.9	6821.5
26/12/2019 19:45	5.7	8.3	1010.1	936.3	12.9	6822
26/12/2019 20:00	5.7	8.2	1010.2	936.3	12.9	6822
26/12/2019 20:15	5.7	8.1	1010.7	936.5	12.9	6821.5
26/12/2019 20:30	5.7	8.1	1010.7	936.3	12.9	6822
26/12/2019 20:45	5.7	8	1010.6	936.5	12.9	6821.5
26/12/2019 21:00	5.7	7.9	1010.7	936.5	12.9	6821.5
26/12/2019 21:15	5.7	7.8	1011	936.5	12.9	6821.5
26/12/2019 21:30	5.7	7.8	1011.2	936.6	12.9	6821
26/12/2019 21:45	5.7	7.7	1011.3	936.6	12.9	6821
26/12/2019 22:00	5.7	7.6	1011.6	936.6	12.9	6821
26/12/2019 22:15	5.7	7.6	1011.3	936.5	12.9	6821.5
26/12/2019 22:30	5.7	7.6	1011.8	936.6	12.9	6821
26/12/2019 22:45	5.7	7.5	1012	936.6	12.9	6821
26/12/2019 23:00	5.7	7.5	1011.9	936.5	12.9	6821.5
26/12/2019 23:15	5.7	7.5	1011.8	936.5	12.9	6821.5
26/12/2019 23:30	5.7	7.6	1012.2	936.5	12.9	6821.5
26/12/2019 23:45	5.7	7.6	1012.4	936.6	12.9	6821
27/12/2019 00:00	5.7	7.7	1012.9	936.6	12.9	6821

27/12/2019 00:15	5.7	7.8	1013.1	936.6	12.9	6821
27/12/2019 00:30	5.7	8	1013.4	936.6	12.9	6821
27/12/2019 00:45	5.7	8	1014	936.6	12.9	6821
27/12/2019 01:00	5.7	8	1014.4	936.5	12.9	6821.5
27/12/2019 01:15	5.7	8	1015.1	936.6	12.9	6821
27/12/2019 01:30	5.7	8.1	1015.3	936.6	12.9	6821
27/12/2019 01:45	5.7	8.1	1015.8	936.5	12.9	6821.5
27/12/2019 02:00	5.7	8.2	1016.3	936.8	12.9	6820.5
27/12/2019 02:15	5.7	8.2	1016.9	936.6	12.9	6821
27/12/2019 02:30	5.7	8.2	1017.3	936.6	12.9	6821
27/12/2019 02:45	5.7	8.1	1017.5	936.5	12.9	6821.5
27/12/2019 03:00	5.7	8.1	1017.9	936.6	12.9	6821
27/12/2019 03:15	5.7	8.2	1018.3	936.8	12.9	6820.5
27/12/2019 03:30	5.7	8.4	1018.3	936.6	12.9	6821
27/12/2019 03:45	5.7	8.5	1018.5	936.6	12.9	6821
27/12/2019 04:00	5.7	8.5	1018.5	936.6	12.9	6821
27/12/2019 04:15	5.7	8.5	1019.3	936.6	12.9	6821
27/12/2019 04:30	5.7	8.5	1019.7	936.8	12.9	6820.5
27/12/2019 04:45	5.7	8.5	1020.1	936.5	12.9	6821.5
27/12/2019 05:00	5.7	8.5	1020.6	936.6	12.9	6821
27/12/2019 05:15	5.7	8.4	1020.6	936.6	12.9	6821
27/12/2019 05:30	5.7	8.4	1021	936.6	12.9	6821
27/12/2019 05:45	5.7	8.3	1021.5	936.6	12.9	6821
27/12/2019 06:00	5.7	8.3	1021.4	936.8	12.9	6820.5
27/12/2019 06:15	5.7	8.3	1022	936.8	12.9	6820.5
27/12/2019 06:30	5.7	8.3	1022.2	936.8	12.9	6820.5
27/12/2019 06:45	5.7	8.3	1022.6	936.6	12.9	6821
27/12/2019 07:00	5.7	8.3	1022.9	937.1	12.9	6819.4
27/12/2019 07:15	5.7	8.3	1022.9	936.8	12.9	6820.5
27/12/2019 07:30	5.7	8.4	1023.4	936.8	12.9	6820.5
27/12/2019 07:45	5.7	8.4	1023.5	937	12.9	6819.9
27/12/2019 08:00	5.7	8.4	1023.5	937.3	12.9	6818.9
27/12/2019 08:15	5.7	8.5	1024.1	937.1	12.9	6819.4
27/12/2019 08:30	5.7	8.5	1024.7	937.3	12.9	6818.9
27/12/2019 08:45	5.7	8.6	1024.7	937.3	12.9	6818.9
27/12/2019 09:00	5.7	8.6	1025.6	937.3	12.9	6818.9
27/12/2019 09:15	5.7	8.6	1026.2	937.3	12.9	6818.9
27/12/2019 09:30	5.7	8.6	1026.2	937.4	12.9	6818.4
27/12/2019 09:45	5.7	8.6	1026	937.3	12.9	6818.9
27/12/2019 10:00	5.7	8.6	1026.3	937.4	12.9	6818.4
27/12/2019 10:15	5.7	8.6	1026.8	937.6	12.9	6817.8
27/12/2019 10:30	5.7	8.7	1026.7	937.4	12.9	6818.4
27/12/2019 10:45	5.7	8.7	1026.6	937.3	12.9	6818.9
27/12/2019 11:00	5.7	8.8	1026.9	937.6	12.9	6817.8
27/12/2019 11:15	5.7	8.8	1027.1	937.6	12.9	6817.8
27/12/2019 11:30	5.7	8.8	1027.4	937.4	12.9	6818.4
27/12/2019 11:45	5.7	8.8	1027.5	937.6	12.9	6817.8
27/12/2019 12:00	5.7	8.8	1027.3	937.6	12.9	6817.8
27/12/2019 12:15	5.7	8.8	1027.7	937.6	12.9	6817.8
27/12/2019 12:30	5.7	8.8	1027.7	937.6	12.9	6817.8

27/12/2019 12:45	5.7	8.9	1027.7	937.3	12.9	6818.9
27/12/2019 13:00	5.7	8.9	1028	937.4	12.9	6818.4
27/12/2019 13:15	5.7	8.9	1028.1	937.4	12.9	6818.4
27/12/2019 13:30	5.7	8.8	1028	937.4	12.9	6818.4
27/12/2019 13:45	5.7	8.8	1028.2	937.6	12.9	6817.8
27/12/2019 14:00	5.7	8.8	1028.4	937.3	12.9	6818.9
27/12/2019 14:15	5.7	8.7	1028.9	937.4	12.9	6818.4
27/12/2019 14:30	5.7	8.7	1028.9	937.3	12.9	6818.9
27/12/2019 14:45	5.7	8.6	1029	937.4	12.9	6818.4
27/12/2019 15:00	5.7	8.6	1029.4	937.6	12.9	6817.8
27/12/2019 15:15	5.7	8.6	1029.4	937.1	12.9	6819.4
27/12/2019 15:30	5.7	8.5	1029.7	937.1	12.9	6819.4
27/12/2019 15:45	5.7	8.5	1030.2	937.3	12.9	6818.9
27/12/2019 16:00	5.7	8.4	1029.8	937.1	12.9	6819.4
27/12/2019 16:15	5.7	8.4	1030.2	937.1	12.9	6819.4
27/12/2019 16:30	5.7	8.3	1030.2	937.1	12.9	6819.4
27/12/2019 16:45	5.7	8.3	1030.4	937	12.9	6819.9
27/12/2019 17:00	5.7	8.2	1030.7	937.1	12.9	6819.4
27/12/2019 17:15	5.7	8.2	1030.9	937.4	12.9	6818.4
27/12/2019 17:30	5.7	8.1	1030.9	937.1	12.9	6819.4
27/12/2019 17:45	5.7	8.1	1031.3	937.3	12.9	6818.9
27/12/2019 18:00	5.7	8.1	1031.3	937.3	12.9	6818.9
27/12/2019 18:15	5.7	8.1	1031.4	937.3	12.9	6818.9
27/12/2019 18:30	5.7	8.1	1031.6	937.1	12.9	6819.4
27/12/2019 18:45	5.7	8.1	1031.7	937.3	12.9	6818.9
27/12/2019 19:00	5.7	8.1	1032	937.1	12.9	6819.4
27/12/2019 19:15	5.7	8.1	1032.1	937.4	12.9	6818.4
27/12/2019 19:30	5.7	8.1	1031.8	937.3	12.9	6818.9
27/12/2019 19:45	5.7	8.2	1031.8	937.4	12.9	6818.4
27/12/2019 20:00	5.7	8.2	1032.1	937.4	12.9	6818.4
27/12/2019 20:15	5.7	8.2	1032.6	937.3	12.9	6818.9
27/12/2019 20:30	5.7	8.2	1032.2	937.4	12.9	6818.4
27/12/2019 20:45	5.7	8.2	1032	937.4	12.9	6818.4
27/12/2019 21:00	5.7	8.2	1032	937.3	12.9	6818.9
27/12/2019 21:15	5.7	8.2	1031.8	937.1	12.9	6819.4
27/12/2019 21:30	5.7	8.2	1032.4	937.4	12.9	6818.4
27/12/2019 21:45	5.7	8.2	1032.9	937.8	12.9	6817.3
27/12/2019 22:00	5.7	8.2	1032.7	937.6	12.9	6817.8
27/12/2019 22:15	5.7	8.2	1033	937.4	12.9	6818.4
27/12/2019 22:30	5.7	8.1	1033.1	937.4	12.9	6818.4
27/12/2019 22:45	5.7	8.1	1033	937.6	12.9	6817.8
27/12/2019 23:00	5.7	8.1	1032.9	937.6	12.9	6817.8
27/12/2019 23:15	5.7	8.1	1033	937.4	12.9	6818.4
27/12/2019 23:30	5.7	8.1	1032.9	937.4	12.9	6818.4
27/12/2019 23:45	5.7	8	1032.5	937.6	12.9	6817.8
28/12/2019 00:00	5.7	8	1033.2	937.6	12.9	6817.8
28/12/2019 00:15	5.7	8	1033.3	937.6	12.9	6817.8
28/12/2019 00:30	5.7	8	1033.6	937.6	12.9	6817.8
28/12/2019 00:45	5.7	8	1033.7	937.6	12.9	6817.8
28/12/2019 01:00	5.7	8	1033.8	937.6	12.9	6817.8

28/12/2019 01:15	5.7	8	1033.5	937.4	12.9	6818.4
28/12/2019 01:30	5.7	8	1034	937.6	12.9	6817.8
28/12/2019 01:45	5.7	8	1033.8	937.4	12.9	6818.4
28/12/2019 02:00	5.7	8	1033.9	937.4	12.9	6818.4
28/12/2019 02:15	5.7	8.1	1033.8	937.4	12.9	6818.4
28/12/2019 02:30	5.7	8.1	1033.8	937.3	12.9	6818.9
28/12/2019 02:45	5.7	8.1	1033.9	937.3	12.9	6818.9
28/12/2019 03:00	5.7	8.1	1033.9	937.3	12.9	6818.9
28/12/2019 03:15	5.7	8.1	1034	937.4	12.9	6818.4
28/12/2019 03:30	5.7	8.1	1034.1	937.3	12.9	6818.9
28/12/2019 03:45	5.7	8.1	1033.8	937.3	12.9	6818.9
28/12/2019 04:00	5.7	8.1	1033.7	937.3	12.9	6818.9
28/12/2019 04:15	5.7	8.1	1034.1	937.3	12.9	6818.9
28/12/2019 04:30	5.7	8.2	1033.8	937.1	12.9	6819.4
28/12/2019 04:45	5.7	8.2	1034.2	937.1	12.9	6819.4
28/12/2019 05:00	5.7	8.2	1033.8	937.1	12.9	6819.4
28/12/2019 05:15	5.7	8.2	1034.3	937.1	12.9	6819.4
28/12/2019 05:30	5.7	8.2	1034.4	937.3	12.9	6818.9
28/12/2019 05:45	5.7	8.2	1034.1	937.3	12.9	6818.9
28/12/2019 06:00	5.7	8.2	1034	937.1	12.9	6819.4
28/12/2019 06:15	5.7	8.2	1034.2	937.1	12.9	6819.4
28/12/2019 06:30	5.7	8.1	1034.3	937.3	12.9	6818.9
28/12/2019 06:45	5.7	8.1	1034.3	937.3	12.9	6818.9
28/12/2019 07:00	5.7	8.1	1034.3	937.3	12.9	6818.9
28/12/2019 07:15	5.7	8.1	1034.6	937.4	12.9	6818.4
28/12/2019 07:30	5.7	8.1	1034.6	937.3	12.9	6818.9
28/12/2019 07:45	5.7	8.1	1034.5	937.4	12.9	6818.4
28/12/2019 08:00	5.7	8.1	1034.7	937.4	12.9	6818.4
28/12/2019 08:15	5.7	8.1	1035	937.6	12.9	6817.8
28/12/2019 08:30	5.7	8.1	1035.1	937.4	12.9	6818.4
28/12/2019 08:45	5.7	8.2	1035.1	937.3	12.9	6818.9
28/12/2019 09:00	5.7	8.2	1035	937.4	12.9	6818.4
28/12/2019 09:15	5.7	8.3	1035.2	937.6	12.9	6817.8
28/12/2019 09:30	5.7	8.4	1034.6	937.4	12.9	6818.4
28/12/2019 09:45	5.7	8.6	1034.7	937.6	12.9	6817.8
28/12/2019 10:00	5.7	8.9	1035.1	937.6	12.9	6817.8
28/12/2019 10:15	5.7	9.1	1035.1	937.6	12.9	6817.8
28/12/2019 10:30	5.7	9.3	1034.9	937.6	12.9	6817.8
28/12/2019 10:45	5.7	9.3	1034.7	937.6	12.9	6817.8
28/12/2019 11:00	5.7	9.5	1034.8	937.4	12.9	6818.4
28/12/2019 11:15	5.7	9.7	1034.9	937.6	12.9	6817.8
28/12/2019 11:30	5.7	9.9	1034.9	937.8	12.9	6817.3
28/12/2019 11:45	5.7	10.1	1034.8	937.6	12.9	6817.8
28/12/2019 12:00	5.7	10.2	1034.9	937.6	12.9	6817.8
28/12/2019 12:15	5.7	10.2	1034.4	937.6	12.9	6817.8
28/12/2019 12:30	5.7	10.3	1034.7	937.6	12.9	6817.8
28/12/2019 12:45	5.7	10.4	1034.3	937.9	12.9	6816.8
28/12/2019 13:00	5.7	10.5	1034.4	937.6	12.9	6817.8
28/12/2019 13:15	5.7	10.5	1034.6	937.8	12.9	6817.3
28/12/2019 13:30	5.7	10.5	1034.6	937.9	12.9	6816.8

28/12/2019 13:45	5.7	10.4	1034.3	937.6	12.9	6817.8
28/12/2019 14:00	5.7	10.3	1034	937.6	12.9	6817.8
28/12/2019 14:15	5.7	10.3	1033.9	937.6	12.9	6817.8
28/12/2019 14:30	5.7	10.1	1034.1	937.4	12.9	6818.4
28/12/2019 14:45	5.7	10	1034	937.4	12.9	6818.4
28/12/2019 15:00	5.7	9.9	1034.1	937.4	12.9	6818.4
28/12/2019 15:15	5.7	9.7	1034.1	937.6	12.9	6817.8
28/12/2019 15:30	5.7	9.6	1034	937.3	12.9	6818.9
28/12/2019 15:45	5.7	9.5	1034.3	937.1	12.9	6819.4
28/12/2019 16:00	5.7	9.4	1034.4	937.4	12.9	6818.4
28/12/2019 16:15	5.7	9.2	1034.4	937.3	12.9	6818.9
28/12/2019 16:30	5.7	9.1	1034.2	937.3	12.9	6818.9
28/12/2019 16:45	5.7	9	1034	937.1	12.9	6819.4
28/12/2019 17:00	5.7	8.9	1034.2	937.3	12.9	6818.9
28/12/2019 17:15	5.7	8.9	1034.3	937.3	12.9	6818.9
28/12/2019 17:30	5.7	8.9	1034.6	937.3	12.9	6818.9
28/12/2019 17:45	5.7	8.9	1035.1	937.1	12.9	6819.4
28/12/2019 18:00	5.7	8.8	1035	937.3	12.9	6818.9
28/12/2019 18:15	5.7	8.8	1034.3	937.3	12.9	6818.9
28/12/2019 18:30	5.7	8.8	1034.2	937.1	12.9	6819.4
28/12/2019 18:45	5.7	8.7	1034	937.1	12.9	6819.4
28/12/2019 19:00	5.7	8.7	1034	937.3	12.9	6818.9
28/12/2019 19:15	5.7	8.6	1033.9	937.1	12.9	6819.4
28/12/2019 19:30	5.7	8.6	1034.2	937.1	12.9	6819.4
28/12/2019 19:45	5.7	8.6	1034.1	937.3	12.9	6818.9
28/12/2019 20:00	5.7	8.6	1034.2	937.4	12.9	6818.4
28/12/2019 20:15	5.7	8.6	1034.2	937.4	12.9	6818.4
28/12/2019 20:30	5.7	8.6	1034.2	937.3	12.9	6818.9
28/12/2019 20:45	5.7	8.5	1034.3	937.4	12.9	6818.4
28/12/2019 21:00	5.7	8.5	1034.3	937.3	12.9	6818.9
28/12/2019 21:15	5.7	8.5	1034	937.3	12.9	6818.9
28/12/2019 21:30	5.7	8.4	1033.9	937.4	12.9	6818.4
28/12/2019 21:45	5.7	8.4	1033.8	937.4	12.9	6818.4
28/12/2019 22:00	5.7	8.4	1033.6	937.4	12.9	6818.4
28/12/2019 22:15	5.7	8.3	1033.3	937.6	12.9	6817.8
28/12/2019 22:30	5.7	8.2	1033.4	937.6	12.9	6817.8
28/12/2019 22:45	5.7	8.2	1034	937.6	12.9	6817.8
28/12/2019 23:00	5.7	8.1	1034.1	937.6	12.9	6817.8
28/12/2019 23:15	5.7	8.1	1033.6	937.6	12.9	6817.8
28/12/2019 23:30	5.7	8	1033.9	937.6	12.9	6817.8
28/12/2019 23:45	5.7	8	1033.6	937.6	12.9	6817.8
29/12/2019 00:00	5.7	7.9	1033.5	937.6	12.9	6817.8
29/12/2019 00:15	5.7	7.9	1033.5	937.6	12.9	6817.8
29/12/2019 00:30	5.7	7.8	1033.1	937.6	12.9	6817.8
29/12/2019 00:45	5.7	7.7	1032.9	937.6	12.9	6817.8
29/12/2019 01:00	5.7	7.6	1032.8	937.6	12.9	6817.8
29/12/2019 01:15	5.7	7.5	1033.1	937.4	12.9	6818.4
29/12/2019 01:30	5.7	7.5	1033.2	937.4	12.9	6818.4
29/12/2019 01:45	5.7	7.5	1032.9	937.3	12.9	6818.9
29/12/2019 02:00	5.7	7.4	1033.2	937.6	12.9	6817.8

29/12/2019 02:15	5.7	7.2	1033.3	937.3	12.9	6818.9
29/12/2019 02:30	5.7	7.2	1032.8	937.6	12.9	6817.8
29/12/2019 02:45	5.7	7	1032.7	937.3	12.9	6818.9
29/12/2019 03:00	5.7	6.7	1033	937.4	12.9	6818.4
29/12/2019 03:15	5.7	6.6	1033.2	937.4	12.9	6818.4
29/12/2019 03:30	5.7	6.3	1033.2	937.4	12.9	6818.4
29/12/2019 03:45	5.7	6.1	1033.1	937.1	12.9	6819.4
29/12/2019 04:00	5.7	5.8	1033.2	937.1	12.9	6819.4
29/12/2019 04:15	5.7	5.7	1032.9	937	12.9	6819.9
29/12/2019 04:30	5.7	5.6	1032.8	937.3	12.9	6818.9
29/12/2019 04:45	5.7	5.5	1032.8	937.1	12.9	6819.4
29/12/2019 05:00	5.7	5.4	1032.3	936.8	12.9	6820.5
29/12/2019 05:15	5.7	5.5	1032.2	936.8	12.9	6820.5
29/12/2019 05:30	5.7	5.6	1032.3	937.1	12.9	6819.4
29/12/2019 05:45	5.7	5.8	1032.3	937.1	12.9	6819.4
29/12/2019 06:00	5.7	5.9	1032.5	937.1	12.9	6819.4
29/12/2019 06:15	5.7	5.9	1032.4	937.1	12.9	6819.4
29/12/2019 06:30	5.7	6	1032.2	937.1	12.9	6819.4
29/12/2019 06:45	5.7	6.1	1032	937.1	12.9	6819.4
29/12/2019 07:00	5.7	6.2	1032.7	937.1	12.9	6819.4
29/12/2019 07:15	5.7	6.3	1032.3	937.3	12.9	6818.9
29/12/2019 07:30	5.7	6.3	1032.1	937.1	12.9	6819.4
29/12/2019 07:45	5.7	6.2	1032.2	937.3	12.9	6818.9
29/12/2019 08:00	5.7	6.1	1032.1	937.1	12.9	6819.4
29/12/2019 08:15	5.7	6.2	1032.4	937.1	12.9	6819.4
29/12/2019 08:30	5.7	6.3	1032.3	937.3	12.9	6818.9
29/12/2019 08:45	5.7	6.4	1032.1	937.1	12.9	6819.4
29/12/2019 09:00	5.7	6.6	1031.7	937.3	12.9	6818.9
29/12/2019 09:15	5.7	6.9	1031.7	937.6	12.9	6817.8
29/12/2019 09:30	5.7	7.2	1031.2	937.4	12.9	6818.4
29/12/2019 09:45	5.7	7.5	1032	937.4	12.9	6818.4
29/12/2019 10:00	5.7	7.8	1031.9	937.3	12.9	6818.9
29/12/2019 10:15	5.7	8.2	1031.6	937.3	12.9	6818.9
29/12/2019 10:30	5.7	8.5	1031.8	937.4	12.9	6818.4
29/12/2019 10:45	5.7	8.8	1031.3	937.3	12.9	6818.9
29/12/2019 11:00	5.7	9.1	1031	937.4	12.9	6818.4
29/12/2019 11:15	5.7	9.4	1031.1	937.4	12.9	6818.4
29/12/2019 11:30	5.7	9.5	1031	937.4	12.9	6818.4
29/12/2019 11:45	5.7	9.5	1030.9	937.6	12.9	6817.8
29/12/2019 12:00	5.7	9.6	1030.9	937.6	12.9	6817.8
29/12/2019 12:15	5.7	9.6	1030.6	937.6	12.9	6817.8
29/12/2019 12:30	5.7	9.8	1030.4	937.6	12.9	6817.8
29/12/2019 12:45	5.7	9.9	1030.2	937.6	12.9	6817.8
29/12/2019 13:00	5.7	9.9	1029.9	937.6	12.9	6817.8
29/12/2019 13:15	5.7	9.9	1029.6	937.6	12.9	6817.8
29/12/2019 13:30	5.7	9.8	1029.6	937.4	12.9	6818.4
29/12/2019 13:45	5.7	9.5	1029.4	937.4	12.9	6818.4
29/12/2019 14:00	5.7	9.2	1030	937.4	12.9	6818.4
29/12/2019 14:15	5.7	9	1029.5	937.4	12.9	6818.4
29/12/2019 14:30	5.7	8.8	1029.6	937.3	12.9	6818.9

29/12/2019 14:45	5.7	8.6	1029.2	937.4	12.9	6818.4
29/12/2019 15:00	5.7	8.5	1029.3	937.4	12.9	6818.4
29/12/2019 15:15	5.7	8.4	1029.5	937.3	12.9	6818.9
29/12/2019 15:30	5.7	8.2	1029.4	937.3	12.9	6818.9
29/12/2019 15:45	5.7	8.1	1029	937.4	12.9	6818.4
29/12/2019 16:00	5.7	7.9	1029.1	937.3	12.9	6818.9
29/12/2019 16:15	5.7	7.8	1029.3	937.1	12.9	6819.4
29/12/2019 16:30	5.7	7.7	1029	937.3	12.9	6818.9
29/12/2019 16:45	5.7	7.6	1029.1	937.1	12.9	6819.4
29/12/2019 17:00	5.7	7.5	1029.1	937.3	12.9	6818.9
29/12/2019 17:15	5.7	7.5	1029.1	937	12.9	6819.9
29/12/2019 17:30	5.7	7.4	1029.1	937.1	12.9	6819.4
29/12/2019 17:45	5.7	7.4	1029.1	937.3	12.9	6818.9
29/12/2019 18:00	5.7	7.4	1029.2	936.8	12.9	6820.5
29/12/2019 18:15	5.7	7.5	1028.9	937.1	12.9	6819.4
29/12/2019 18:30	5.7	7.5	1028.8	937	12.9	6819.9
29/12/2019 18:45	5.7	7.5	1029	937.1	12.9	6819.4
29/12/2019 19:00	5.7	7.5	1028.9	937	12.9	6819.9
29/12/2019 19:15	5.7	7.5	1029.1	937.1	12.9	6819.4
29/12/2019 19:30	5.7	7.5	1029.4	937	12.9	6819.9
29/12/2019 19:45	5.7	7.3	1029.2	937.3	12.9	6818.9
29/12/2019 20:00	5.7	7.1	1029.2	937.3	12.9	6818.9
29/12/2019 20:15	5.7	6.9	1028.9	937.1	12.9	6819.4
29/12/2019 20:30	5.7	6.7	1029.1	937.1	12.9	6819.4
29/12/2019 20:45	5.7	6.4	1028.9	937.4	12.9	6818.4
29/12/2019 21:00	5.7	6.1	1029	937.1	12.9	6819.4
29/12/2019 21:15	5.7	5.8	1028.6	937.3	12.9	6818.9
29/12/2019 21:30	5.7	5.7	1028.5	937.3	12.9	6818.9
29/12/2019 21:45	5.7	5.8	1028.6	937.1	12.9	6819.4
29/12/2019 22:00	5.7	5.8	1028.2	937.4	12.9	6818.4
29/12/2019 22:15	5.7	5.9	1028.6	937.3	12.9	6818.9
29/12/2019 22:30	5.7	5.9	1028.8	937.6	12.9	6817.8
29/12/2019 22:45	5.7	5.9	1028.6	937.4	12.9	6818.4
29/12/2019 23:00	5.7	5.9	1028.6	937.4	12.9	6818.4
29/12/2019 23:15	5.7	6	1028.5	937.4	12.9	6818.4
29/12/2019 23:30	5.7	6.1	1028.2	937.4	12.9	6818.4
29/12/2019 23:45	5.7	6.1	1028.3	937.4	12.9	6818.4
30/12/2019 00:00	5.7	6	1027.9	937.4	12.9	6818.4
30/12/2019 00:15	5.7	6	1028.2	937.4	12.9	6818.4
30/12/2019 00:30	5.7	5.9	1028.2	937.3	12.9	6818.9
30/12/2019 00:45	5.7	6	1027.7	937.4	12.9	6818.4
30/12/2019 01:00	5.7	6.1	1027.6	937.4	12.9	6818.4
30/12/2019 01:15	5.7	6.1	1027.6	937.4	12.9	6818.4
30/12/2019 01:30	5.7	5.9	1027.5	937.4	12.9	6818.4
30/12/2019 01:45	5.7	5.7	1028	937.3	12.9	6818.9
30/12/2019 02:00	5.7	5.5	1027.9	937.4	12.9	6818.4
30/12/2019 02:15	5.7	5.3	1027.5	937.3	12.9	6818.9
30/12/2019 02:30	5.7	5.2	1027.8	937.4	12.9	6818.4
30/12/2019 02:45	5.7	5.1	1027.7	937.3	12.9	6818.9
30/12/2019 03:00	5.7	5	1027.3	937.4	12.9	6818.4

30/12/2019 03:15	5.7	4.9	1027.2	937.3	12.9	6818.9
30/12/2019 03:30	5.7	4.8	1027.2	937.4	12.9	6818.4
30/12/2019 03:45	5.7	4.9	1026.9	937.3	12.9	6818.9
30/12/2019 04:00	5.7	4.8	1027.1	937.3	12.9	6818.9
30/12/2019 04:15	5.7	4.7	1027	937.1	12.9	6819.4
30/12/2019 04:30	5.7	4.7	1026.6	937.1	12.9	6819.4
30/12/2019 04:45	5.7	4.5	1027	937.1	12.9	6819.4
30/12/2019 05:00	5.7	4.3	1026.9	937	12.9	6819.9
30/12/2019 05:15	5.7	4.2	1026.6	937.1	12.9	6819.4
30/12/2019 05:30	5.7	4.1	1026.7	937.1	12.9	6819.4
30/12/2019 05:45	5.7	3.9	1026.9	936.8	12.9	6820.5
30/12/2019 06:00	5.7	3.7	1026.4	936.8	12.9	6820.5
30/12/2019 06:15	5.7	3.5	1026.4	936.8	12.9	6820.5
30/12/2019 06:30	5.7	3.5	1026.3	936.8	12.9	6820.5
30/12/2019 06:45	5.7	3.4	1026.1	936.8	12.9	6820.5
30/12/2019 07:00	5.7	3.2	1026.4	936.8	12.9	6820.5
30/12/2019 07:15	5.7	3	1026.1	936.8	12.9	6820.5
30/12/2019 07:30	5.7	3	1026.2	936.8	12.9	6820.5
30/12/2019 07:45	5.7	2.9	1026.4	936.6	12.9	6821
30/12/2019 08:00	5.7	2.9	1026.3	937	12.9	6819.9
30/12/2019 08:15	5.7	2.8	1026.2	936.8	12.9	6820.5
30/12/2019 08:30	5.7	3	1026.5	937.1	12.9	6819.4
30/12/2019 08:45	5.7	3.2	1026.2	937	12.9	6819.9
30/12/2019 09:00	5.7	3.5	1026	937.1	12.9	6819.4
30/12/2019 09:15	5.7	3.8	1026	937.1	12.9	6819.4
30/12/2019 09:30	5.7	4.2	1025.9	937	12.9	6819.9
30/12/2019 09:45	5.7	4.5	1026	937.1	12.9	6819.4
30/12/2019 10:00	5.7	4.8	1026	937.1	12.9	6819.4
30/12/2019 10:15	5.7	5.1	1025.8	937.1	12.9	6819.4
30/12/2019 10:30	5.7	5.4	1025.8	937	12.9	6819.9
30/12/2019 10:45	5.7	5.6	1025.6	937	12.9	6819.9
30/12/2019 11:00	5.7	5.8	1025.6	937.4	12.9	6818.4
30/12/2019 11:15	5.7	5.9	1025.3	937.3	12.9	6818.9
30/12/2019 11:30	5.7	6.2	1025.4	937.1	12.9	6819.4
30/12/2019 11:45	5.7	6.5	1025	937.3	12.9	6818.9
30/12/2019 12:00	5.7	6.8	1024.6	937.3	12.9	6818.9
30/12/2019 12:15	5.7	7	1024.7	937.3	12.9	6818.9
30/12/2019 12:30	5.7	7.2	1024.3	937.3	12.9	6818.9
30/12/2019 12:45	5.7	7.6	1024.3	937.3	12.9	6818.9
30/12/2019 13:00	5.7	7.9	1023.9	937.3	12.9	6818.9
30/12/2019 13:15	5.7	7.9	1023.5	937.1	12.9	6819.4
30/12/2019 13:30	5.7	7.9	1023.5	937.4	12.9	6818.4
30/12/2019 13:45	5.7	7.9	1023.5	937.3	12.9	6818.9
30/12/2019 14:00	5.7	7.8	1023.6	937.1	12.9	6819.4
30/12/2019 14:15	5.7	7.8	1023.3	937.3	12.9	6818.9
30/12/2019 14:30	5.7	7.8	1023.3	937.1	12.9	6819.4
30/12/2019 14:45	5.7	7.7	1023.6	937.3	12.9	6818.9
30/12/2019 15:00	5.7	7.5	1023.6	937.3	12.9	6818.9
30/12/2019 15:15	5.7	7.3	1023.5	937.3	12.9	6818.9
30/12/2019 15:30	5.7	7	1023.7	937.3	12.9	6818.9

30/12/2019 15:45	5.7	6.7	1023.7	937.1	12.9	6819.4
30/12/2019 16:00	5.7	6.3	1023.9	937	12.9	6819.9
30/12/2019 16:15	5.7	6	1023.9	937.1	12.9	6819.4
30/12/2019 16:30	5.7	5.6	1023.8	937.3	12.9	6818.9
30/12/2019 16:45	5.7	5.3	1024	937.1	12.9	6819.4
30/12/2019 17:00	5.7	5.1	1023.8	937	12.9	6819.9
30/12/2019 17:15	5.7	4.9	1023.8	937	12.9	6819.9
30/12/2019 17:30	5.7	4.7	1024.3	937.1	12.9	6819.4
30/12/2019 17:45	5.7	4.5	1024.2	936.8	12.9	6820.5
30/12/2019 18:00	5.7	4.3	1024.3	937.1	12.9	6819.4
30/12/2019 18:15	5.7	4.2	1024.9	936.8	12.9	6820.5
30/12/2019 18:30	5.7	4	1025.2	937.1	12.9	6819.4
30/12/2019 18:45	5.7	4	1025.4	936.8	12.9	6820.5
30/12/2019 19:00	5.7	3.9	1025.8	937	12.9	6819.9
30/12/2019 19:15	5.7	3.7	1025.9	937.1	12.9	6819.4
30/12/2019 19:30	5.7	3.5	1026.1	937.1	12.9	6819.4
30/12/2019 19:45	5.7	3.3	1026.3	937.1	12.9	6819.4
30/12/2019 20:00	5.7	3.2	1026.5	937.3	12.9	6818.9
30/12/2019 20:15	5.7	3	1026.8	937.1	12.9	6819.4
30/12/2019 20:30	5.7	2.9	1027.1	937.1	12.9	6819.4
30/12/2019 20:45	5.7	2.7	1027.1	937.1	12.9	6819.4
30/12/2019 21:00	5.7	2.6	1027.1	937.1	12.9	6819.4
30/12/2019 21:15	5.7	2.5	1027.1	937.1	12.9	6819.4
30/12/2019 21:30	5.7	2.5	1026.9	937.3	12.9	6818.9
30/12/2019 21:45	5.7	2.6	1027.2	937.3	12.9	6818.9
30/12/2019 22:00	5.7	2.8	1027.3	937.3	12.9	6818.9
30/12/2019 22:15	5.7	3	1027.3	937.4	12.9	6818.4
30/12/2019 22:30	5.7	3.2	1027.3	937.4	12.9	6818.4
30/12/2019 22:45	5.7	3.2	1027.7	937.4	12.9	6818.4
30/12/2019 23:00	5.7	3.2	1027.9	937.4	12.9	6818.4
30/12/2019 23:15	5.7	3.3	1027.8	937.6	12.9	6817.8
30/12/2019 23:30	5.7	3.3	1027.8	937.4	12.9	6818.4
30/12/2019 23:45	5.7	3.3	1027.7	937.4	12.9	6818.4
31/12/2019 00:00	5.7	3.3	1027.8	937.4	12.9	6818.4
31/12/2019 00:15	5.7	3.3	1027.6	937.4	12.9	6818.4
31/12/2019 00:30	5.7	3.3	1027.4	937.4	12.9	6818.4
31/12/2019 00:45	5.7	3.3	1027.6	937.4	12.9	6818.4
31/12/2019 01:00	5.7	3.5	1027.6	937.4	12.9	6818.4
31/12/2019 01:15	5.7	3.7	1027.5	937.4	12.9	6818.4
31/12/2019 01:30	5.7	3.9	1028.2	937.6	12.9	6817.8
31/12/2019 01:45	5.7	4.2	1028.4	937.4	12.9	6818.4
31/12/2019 02:00	5.7	4.5	1028.6	937.6	12.9	6817.8
31/12/2019 02:15	5.7	4.8	1028.4	937.8	12.9	6817.3
31/12/2019 02:30	5.7	5	1028.5	937.6	12.9	6817.8
31/12/2019 02:45	5.7	5.2	1028.2	937.6	12.9	6817.8
31/12/2019 03:00	5.7	5.4	1028.8	937.8	12.9	6817.3
31/12/2019 03:15	5.7	5.5	1028.7	937.6	12.9	6817.8
31/12/2019 03:30	5.7	5.7	1029.1	937.4	12.9	6818.4
31/12/2019 03:45	5.7	5.9	1029.1	937.4	12.9	6818.4
31/12/2019 04:00	5.7	6.1	1029.1	937.4	12.9	6818.4

31/12/2019 04:15	5.7	6.3	1029.3	937.3	12.9	6818.9
31/12/2019 04:30	5.7	6.4	1029.2	937.4	12.9	6818.4
31/12/2019 04:45	5.7	6.2	1029.3	937.3	12.9	6818.9
31/12/2019 05:00	5.7	6.1	1029.1	937.4	12.9	6818.4
31/12/2019 05:15	5.7	6.2	1029.2	937.3	12.9	6818.9
31/12/2019 05:30	5.7	6.3	1029.4	937.1	12.9	6819.4
31/12/2019 05:45	5.7	6.4	1029.5	937.3	12.9	6818.9
31/12/2019 06:00	5.7	6.3	1030	937.3	12.9	6818.9
31/12/2019 06:15	5.7	6.3	1030.1	937.1	12.9	6819.4
31/12/2019 06:30	5.7	6.3	1030	937.3	12.9	6818.9
31/12/2019 06:45	5.7	6.3	1029.9	937.3	12.9	6818.9
31/12/2019 07:00	5.7	6.3	1030.2	937.1	12.9	6819.4
31/12/2019 07:15	5.7	6.4	1030.1	937.1	12.9	6819.4
31/12/2019 07:30	5.7	6.4	1030.6	937.1	12.9	6819.4
31/12/2019 07:45	5.7	6.3	1030.8	937.1	12.9	6819.4
31/12/2019 08:00	5.7	6.3	1031.1	937.1	12.9	6819.4
31/12/2019 08:15	5.7	6.4	1031.1	937.3	12.9	6818.9
31/12/2019 08:30	5.7	6.6	1031.3	937.1	12.9	6819.4
31/12/2019 08:45	5.7	6.8	1031.2	937.3	12.9	6818.9
31/12/2019 09:00	5.7	7	1031.6	937.4	12.9	6818.4
31/12/2019 09:15	5.7	7.2	1032.2	937.3	12.9	6818.9
31/12/2019 09:30	5.7	7.3	1031.9	937.3	12.9	6818.9
31/12/2019 09:45	5.7	7.4	1032.4	937.4	12.9	6818.4
31/12/2019 10:00	5.7	7.6	1032.3	937.4	12.9	6818.4
31/12/2019 10:15	5.7	7.8	1032.3	937.4	12.9	6818.4
31/12/2019 10:30	5.7	7.9	1032.4	937.4	12.9	6818.4
31/12/2019 10:45	5.7	7.9	1032.5	937.6	12.9	6817.8
31/12/2019 11:00	5.7	8	1032.4	937.6	12.9	6817.8
31/12/2019 11:15	5.7	8.1	1032.1	937.4	12.9	6818.4
31/12/2019 11:30	5.7	8.2	1032.3	937.4	12.9	6818.4
31/12/2019 11:45	5.7	8.4	1031.8	937.6	12.9	6817.8
31/12/2019 12:00	5.7	8.6	1032.1	937.6	12.9	6817.8
31/12/2019 12:15	5.7	8.8	1032.3	937.8	12.9	6817.3
31/12/2019 12:30	5.7	8.9	1032.2	937.8	12.9	6817.3
31/12/2019 12:45	5.7	9.1	1031.7	937.6	12.9	6817.8
31/12/2019 13:00	5.7	9.2	1031.5	937.6	12.9	6817.8
31/12/2019 13:15	5.7	9.2	1031.4	937.6	12.9	6817.8
31/12/2019 13:30	5.7	9.1	1031.7	937.6	12.9	6817.8
31/12/2019 13:45	5.7	8.9	1031.1	937.6	12.9	6817.8
31/12/2019 14:00	5.7	8.8	1031.4	937.6	12.9	6817.8
31/12/2019 14:15	5.7	8.7	1031.4	937.6	12.9	6817.8
31/12/2019 14:30	5.7	8.5	1031.2	937.4	12.9	6818.4
31/12/2019 14:45	5.7	8.3	1031.3	937.8	12.9	6817.3
31/12/2019 15:00	5.7	8.1	1031.2	937.4	12.9	6818.4
31/12/2019 15:15	5.7	7.9	1031.2	937.6	12.9	6817.8
31/12/2019 15:30	5.7	7.7	1031	937.6	12.9	6817.8
31/12/2019 15:45	5.7	7.5	1031	937.6	12.9	6817.8
31/12/2019 16:00	5.7	7.3	1031.4	937.8	12.9	6817.3
31/12/2019 16:15	5.7	7.2	1031.6	937.6	12.9	6817.8
31/12/2019 16:30	5.7	7.1	1031.5	937.6	12.9	6817.8

31/12/2019 16:45	5.7	7	1031.3	937.6	12.9	6817.8
31/12/2019 17:00	5.7	6.9	1031.6	937.4	12.9	6818.4
31/12/2019 17:15	5.7	6.9	1031	937.4	12.9	6818.4
31/12/2019 17:30	5.7	6.8	1031.1	937.3	12.9	6818.9
31/12/2019 17:45	5.7	6.7	1031	937.3	12.9	6818.9
31/12/2019 18:00	5.7	6.6	1031.1	937.1	12.9	6819.4
31/12/2019 18:15	5.7	6.5	1031.2	937.1	12.9	6819.4
31/12/2019 18:30	5.7	6.5	1031.2	937.1	12.9	6819.4
31/12/2019 18:45	5.7	6.4	1031.5	937	12.9	6819.9
31/12/2019 19:00	5.7	6.4	1031.6	937.1	12.9	6819.4
31/12/2019 19:15	5.7	6.3	1031.3	937.3	12.9	6818.9
31/12/2019 19:30	5.7	6.3	1031.3	937.1	12.9	6819.4
31/12/2019 19:45	5.7	6.3	1031.3	937.1	12.9	6819.4
31/12/2019 20:00	5.7	6.3	1031.7	936.8	12.9	6820.5
31/12/2019 20:15	5.7	6.3	1031.3	937.1	12.9	6819.4
31/12/2019 20:30	5.7	6.3	1031.1	937.3	12.9	6818.9
31/12/2019 20:45	5.7	6.4	1030.9	937.3	12.9	6818.9
31/12/2019 21:00	5.7	6.5	1031.1	937.3	12.9	6818.9
31/12/2019 21:15	5.7	6.5	1031	937.3	12.9	6818.9
31/12/2019 21:30	5.7	6.4	1030.7	937.1	12.9	6819.4
31/12/2019 21:45	5.7	6.3	1031.2	937.3	12.9	6818.9
31/12/2019 22:00	5.7	6.3	1031.2	937.1	12.9	6819.4
31/12/2019 22:15	5.7	6.4	1030.9	937.4	12.9	6818.4
31/12/2019 22:30	5.7	6.3	1030.8	937.4	12.9	6818.4
31/12/2019 22:45	5.7	6.2	1030.9	937.4	12.9	6818.4
31/12/2019 23:00	5.7	6	1030.8	937.4	12.9	6818.4
31/12/2019 23:15	5.7	6.1	1030.8	937.3	12.9	6818.9
31/12/2019 23:30	5.7	6.2	1030.6	937.3	12.9	6818.9
31/12/2019 23:45	5.7	6.4	1030.4	937.6	12.9	6817.8
01/01/2020 00:00	5.7	6.5	1030.5	937.4	12.9	6818.4
01/01/2020 00:15	5.7	6.7	1030.1	937.4	12.9	6818.4
01/01/2020 00:30	5.7	6.8	1030.1	937.4	12.9	6818.4
01/01/2020 00:45	5.7	6.9	1029.6	937.4	12.9	6818.4
01/01/2020 01:00	5.7	6.9	1029.3	937.6	12.9	6817.8
01/01/2020 01:15	5.7	7	1029.4	937.6	12.9	6817.8
01/01/2020 01:30	5.7	7	1029.1	937.4	12.9	6818.4
01/01/2020 01:45	5.7	7	1029	937.6	12.9	6817.8
01/01/2020 02:00	5.7	7	1029.1	937.6	12.9	6817.8
01/01/2020 02:15	5.7	7	1028.8	937.4	12.9	6818.4
01/01/2020 02:30	5.7	7	1028.8	937.4	12.9	6818.4
01/01/2020 02:45	5.7	7	1028.8	937.4	12.9	6818.4
01/01/2020 03:00	5.7	7	1028.7	937.4	12.9	6818.4
01/01/2020 03:15	5.7	7	1028.3	937.3	12.9	6818.9
01/01/2020 03:30	5.7	7	1028.3	937.4	12.9	6818.4
01/01/2020 03:45	5.7	6.9	1028.1	937.3	12.9	6818.9
01/01/2020 04:00	5.7	6.9	1028.2	937.3	12.9	6818.9
01/01/2020 04:15	5.7	6.9	1027.7	937.4	12.9	6818.4
01/01/2020 04:30	5.7	6.8	1028.2	937.1	12.9	6819.4
01/01/2020 04:45	5.7	6.7	1028.1	937.1	12.9	6819.4
01/01/2020 05:00	5.7	6.6	1028.3	936.8	12.9	6820.5

01/01/2020 05:15	5.7	6.5	1028	937.1	12.9	6819.4
01/01/2020 05:30	5.7	6.5	1027.9	937.1	12.9	6819.4
01/01/2020 05:45	5.7	6.5	1027.9	937.1	12.9	6819.4
01/01/2020 06:00	5.7	6.4	1027.5	937.1	12.9	6819.4
01/01/2020 06:15	5.7	6.3	1027.6	936.8	12.9	6820.5
01/01/2020 06:30	5.7	6.3	1027.7	937.1	12.9	6819.4
01/01/2020 06:45	5.7	6.3	1027.8	937.1	12.9	6819.4
01/01/2020 07:00	5.7	6.3	1027.8	937	12.9	6819.9
01/01/2020 07:15	5.7	6.3	1027.9	936.8	12.9	6820.5
01/01/2020 07:30	5.7	6.2	1028	936.8	12.9	6820.5
01/01/2020 07:45	5.7	6.1	1028	936.8	12.9	6820.5
01/01/2020 08:00	5.7	5.9	1028	937.1	12.9	6819.4
01/01/2020 08:15	5.7	5.8	1028	936.8	12.9	6820.5
01/01/2020 08:30	5.7	5.8	1028.3	936.8	12.9	6820.5
01/01/2020 08:45	5.7	5.8	1028.2	936.8	12.9	6820.5
01/01/2020 09:00	5.7	5.9	1028.2	936.8	12.9	6820.5
01/01/2020 09:15	5.7	6.1	1028.6	936.8	12.9	6820.5
01/01/2020 09:30	5.7	6.3	1028.4	936.8	12.9	6820.5
01/01/2020 09:45	5.7	6.5	1028.2	937.1	12.9	6819.4
01/01/2020 10:00	5.7	6.6	1028.3	937.1	12.9	6819.4
01/01/2020 10:15	5.7	6.6	1028.2	936.8	12.9	6820.5
01/01/2020 10:30	5.7	6.6	1027.9	937.1	12.9	6819.4
01/01/2020 10:45	5.7	6.7	1028.3	937.1	12.9	6819.4
01/01/2020 11:00	5.7	6.8	1028	937.1	12.9	6819.4
01/01/2020 11:15	5.7	7.2	1027.8	937.1	12.9	6819.4
01/01/2020 11:30	5.7	7.7	1027.4	937.1	12.9	6819.4
01/01/2020 11:45	5.7	8	1027.4	937.3	12.9	6818.9
01/01/2020 12:00	5.7	8.4	1026.8	937.1	12.9	6819.4
01/01/2020 12:15	5.7	8.5	1026.4	937.3	12.9	6818.9
01/01/2020 12:30	5.7	8.6	1026.1	937.1	12.9	6819.4
01/01/2020 12:45	5.7	8.8	1026.2	937.3	12.9	6818.9
01/01/2020 13:00	5.7	8.8	1026.4	937.3	12.9	6818.9
01/01/2020 13:15	5.7	8.8	1026.3	937.1	12.9	6819.4
01/01/2020 13:30	5.7	8.6	1026.2	937.1	12.9	6819.4
01/01/2020 13:45	5.7	8.5	1026.2	937.3	12.9	6818.9
01/01/2020 14:00	5.7	8.3	1026.3	937.3	12.9	6818.9
01/01/2020 14:15	5.7	8.2	1026.2	937.1	12.9	6819.4
01/01/2020 14:30	5.7	8	1025.9	937.3	12.9	6818.9
01/01/2020 14:45	5.7	7.8	1026.3	937.4	12.9	6818.4
01/01/2020 15:00	5.7	7.7	1026.3	937.3	12.9	6818.9
01/01/2020 15:15	5.7	7.4	1026.1	937.4	12.9	6818.4
01/01/2020 15:30	5.7	7.2	1026.4	937.3	12.9	6818.9
01/01/2020 15:45	5.7	7	1026.3	937.6	12.9	6817.8
01/01/2020 16:00	5.7	6.7	1026.6	937.1	12.9	6819.4
01/01/2020 16:15	5.7	6.6	1026.6	937.3	12.9	6818.9
01/01/2020 16:30	5.7	6.3	1026.2	937.1	12.9	6819.4
01/01/2020 16:45	5.7	6.2	1026.3	937.3	12.9	6818.9
01/01/2020 17:00	5.7	6	1026.2	937.3	12.9	6818.9
01/01/2020 17:15	5.7	5.9	1026.3	937	12.9	6819.9
01/01/2020 17:30	5.7	5.8	1026.5	937.1	12.9	6819.4

01/01/2020 17:45	5.7	5.8	1026.4	937.1	12.9	6819.4
01/01/2020 18:00	5.7	5.8	1026.6	937.1	12.9	6819.4
01/01/2020 18:15	5.7	5.7	1026.5	937	12.9	6819.9
01/01/2020 18:30	5.7	5.7	1026.7	937.1	12.9	6819.4
01/01/2020 18:45	5.7	5.6	1026.9	937.1	12.9	6819.4
01/01/2020 19:00	5.7	5.6	1026.6	937.1	12.9	6819.4
01/01/2020 19:15	5.7	5.5	1026.8	937	12.9	6819.9
01/01/2020 19:30	5.7	5.4	1026.6	937.1	12.9	6819.4
01/01/2020 19:45	5.7	5.4	1026.5	937	12.9	6819.9
01/01/2020 20:00	5.7	5.3	1026.3	937	12.9	6819.9
01/01/2020 20:15	5.7	5.3	1026.2	936.8	12.9	6820.5
01/01/2020 20:30	5.7	5.3	1026	936.8	12.9	6820.5
01/01/2020 20:45	5.7	5.3	1026	937	12.9	6819.9
01/01/2020 21:00	5.7	5.3	1025.7	937.1	12.9	6819.4
01/01/2020 21:15	5.7	5.3	1026	937.1	12.9	6819.4
01/01/2020 21:30	5.7	5.3	1025.7	937	12.9	6819.9
01/01/2020 21:45	5.7	5.4	1025.7	937	12.9	6819.9
01/01/2020 22:00	5.7	5.4	1025.6	937.1	12.9	6819.4
01/01/2020 22:15	5.7	5.5	1026.1	937.3	12.9	6818.9
01/01/2020 22:30	5.7	5.5	1025.6	937.1	12.9	6819.4
01/01/2020 22:45	5.7	5.5	1025.6	937.1	12.9	6819.4
01/01/2020 23:00	5.7	5.6	1025.2	936.8	12.9	6820.5
01/01/2020 23:15	5.7	5.6	1025	937.1	12.9	6819.4
01/01/2020 23:30	5.7	5.6	1024.9	937	12.9	6819.9
01/01/2020 23:45	5.7	5.7	1024.8	937.1	12.9	6819.4
02/01/2020 00:00	5.7	5.7	1024.3	937.3	12.9	6818.9
02/01/2020 00:15	5.7	5.7	1024.4	937.4	12.9	6818.4
02/01/2020 00:30	5.7	5.7	1024.5	937.3	12.9	6818.9
02/01/2020 00:45	5.7	5.7	1024.4	937.1	12.9	6819.4
02/01/2020 01:00	5.7	5.7	1024.1	937.3	12.9	6818.9
02/01/2020 01:15	5.7	5.8	1023.8	937.3	12.9	6818.9
02/01/2020 01:30	5.7	5.8	1023.7	937.3	12.9	6818.9
02/01/2020 01:45	5.7	5.8	1023.5	937.1	12.9	6819.4
02/01/2020 02:00	5.7	5.8	1023.5	937.3	12.9	6818.9
02/01/2020 02:15	5.7	5.8	1023.5	937.3	12.9	6818.9
02/01/2020 02:30	5.7	5.8	1023.3	937.1	12.9	6819.4
02/01/2020 02:45	5.7	5.8	1023	937.1	12.9	6819.4
02/01/2020 03:00	5.7	5.8	1023.2	937.4	12.9	6818.4
02/01/2020 03:15	5.7	5.9	1022.8	937.1	12.9	6819.4
02/01/2020 03:30	5.7	5.9	1022.7	937.3	12.9	6818.9
02/01/2020 03:45	5.7	5.9	1022.6	937.3	12.9	6818.9
02/01/2020 04:00	5.7	6	1022.8	937.1	12.9	6819.4
02/01/2020 04:15	5.7	6.1	1022.3	937.1	12.9	6819.4
02/01/2020 04:30	5.7	6.2	1022.4	937.1	12.9	6819.4
02/01/2020 04:45	5.7	6.2	1022	937.1	12.9	6819.4
02/01/2020 05:00	5.7	6.2	1021.8	936.8	12.9	6820.5
02/01/2020 05:15	5.7	6.3	1021.7	936.8	12.9	6820.5
02/01/2020 05:30	5.7	6.4	1021.5	936.8	12.9	6820.5
02/01/2020 05:45	5.7	6.4	1021.4	936.8	12.9	6820.5
02/01/2020 06:00	5.7	6.4	1021.3	936.8	12.9	6820.5

02/01/2020 06:15	5.7	6.5	1021.4	936.6	12.9	6821
02/01/2020 06:30	5.7	6.6	1021.5	936.8	12.9	6820.5
02/01/2020 06:45	5.7	6.7	1021	936.6	12.9	6821
02/01/2020 07:00	5.7	6.8	1020.9	936.6	12.9	6821
02/01/2020 07:15	5.7	6.9	1020.8	936.5	12.9	6821.5
02/01/2020 07:30	5.7	7	1020.7	936.6	12.9	6821
02/01/2020 07:45	5.7	7.1	1020.7	936.6	12.9	6821
02/01/2020 08:00	5.7	7.2	1020.5	936.5	12.9	6821.5
02/01/2020 08:15	5.7	7.3	1020.5	936.5	12.9	6821.5
02/01/2020 08:30	5.7	7.4	1020.4	936.6	12.9	6821
02/01/2020 08:45	5.7	7.5	1020.5	936.5	12.9	6821.5
02/01/2020 09:00	5.7	7.6	1020.2	936.5	12.9	6821.5
02/01/2020 09:15	5.7	7.8	1020.2	936.5	12.9	6821.5
02/01/2020 09:30	5.7	8	1020	936.5	12.9	6821.5
02/01/2020 09:45	5.7	8.3	1019.7	936.5	12.9	6821.5
02/01/2020 10:00	5.7	8.4	1019.5	936.5	12.9	6821.5
02/01/2020 10:15	5.7	8.6	1019.5	936.6	12.9	6821
02/01/2020 10:30	5.7	8.7	1019	936.5	12.9	6821.5
02/01/2020 10:45	5.7	9	1018.8	936.5	12.9	6821.5
02/01/2020 11:00	5.6	9.3	1018.6	936.5	12.9	6821.5
02/01/2020 11:15	5.6	9.5	1018.3	936.6	12.9	6821
02/01/2020 11:30	5.6	9.7	1018.1	936.3	12.9	6822
02/01/2020 11:45	5.6	9.8	1017.7	936.6	12.9	6821
02/01/2020 12:00	5.6	10	1017.8	936.5	12.9	6821.5
02/01/2020 12:15	5.6	10.1	1017.1	936.5	12.9	6821.5
02/01/2020 12:30	5.6	10.1	1016.8	936.6	12.9	6821
02/01/2020 12:45	5.6	10.1	1016.6	936.6	12.9	6821
02/01/2020 13:00	5.6	10.1	1016.3	936.5	12.9	6821.5
02/01/2020 13:15	5.6	10	1015.9	936.6	12.9	6821
02/01/2020 13:30	5.6	9.9	1015.8	936.8	12.9	6820.5
02/01/2020 13:45	5.6	9.8	1016	936.6	12.9	6821
02/01/2020 14:00	5.6	9.7	1015.6	936.8	12.9	6820.5
02/01/2020 14:15	5.6	9.6	1015.5	936.6	12.9	6821
02/01/2020 14:30	5.6	9.6	1015	936.5	12.9	6821.5
02/01/2020 14:45	5.6	9.6	1015.2	936.6	12.9	6821
02/01/2020 15:00	5.6	9.6	1014.7	936.6	12.9	6821
02/01/2020 15:15	5.6	9.5	1014.6	936.8	12.9	6820.5
02/01/2020 15:30	5.6	9.4	1014.6	936.6	12.9	6821
02/01/2020 15:45	5.6	9.2	1014.6	936.6	12.9	6821
02/01/2020 16:00	5.6	9.1	1014.3	936.8	12.9	6820.5
02/01/2020 16:15	5.6	9.1	1013.8	936.5	12.9	6821.5
02/01/2020 16:30	5.6	9.1	1014.1	936.6	12.9	6821
02/01/2020 16:45	5.6	9.1	1013.6	936.6	12.9	6821
02/01/2020 17:00	5.6	9.1	1013.4	936.6	12.9	6821
02/01/2020 17:15	5.6	9.1	1013.6	936.6	12.9	6821
02/01/2020 17:30	5.6	9.1	1013.6	936.5	12.9	6821.5
02/01/2020 17:45	5.6	9.1	1013.3	936.5	12.9	6821.5
02/01/2020 18:00	5.6	9.1	1013.3	936.5	12.9	6821.5
02/01/2020 18:15	5.6	9.2	1012.8	936.5	12.9	6821.5
02/01/2020 18:30	5.6	9.2	1012.9	936.3	12.9	6822

02/01/2020 18:45	5.6	9.2	1012.9	936.3	12.9	6822
02/01/2020 19:00	5.6	9.2	1012.8	936.3	12.9	6822
02/01/2020 19:15	5.6	9.2	1012.6	936.5	12.9	6821.5
02/01/2020 19:30	5.6	9.2	1013	936.3	12.9	6822
02/01/2020 19:45	5.6	9.2	1012.4	936.3	12.9	6822
02/01/2020 20:00	5.6	9.2	1012.8	936.2	12.9	6822.5
02/01/2020 20:15	5.6	9.2	1012.5	936.3	12.9	6822
02/01/2020 20:30	5.6	9.2	1012.8	936.3	12.9	6822
02/01/2020 20:45	5.6	9.2	1012.3	936.5	12.9	6821.5
02/01/2020 21:00	5.6	9.3	1012.1	936.3	12.9	6822
02/01/2020 21:15	5.6	9.2	1012.3	936.3	12.9	6822
02/01/2020 21:30	5.6	9	1012	936.3	12.9	6822
02/01/2020 21:45	5.7	8.9	1011.9	936.3	12.9	6822
02/01/2020 22:00	5.7	8.8	1012	936.3	12.9	6822
02/01/2020 22:15	5.6	8.8	1011.8	936.3	12.9	6822
02/01/2020 22:30	5.6	8.9	1011.8	936.5	12.9	6821.5
02/01/2020 22:45	5.6	9	1011.7	936.3	12.9	6822
02/01/2020 23:00	5.6	9.1	1011.5	936.2	12.9	6822.5
02/01/2020 23:15	5.6	9.2	1011.5	936.3	12.9	6822
02/01/2020 23:30	5.6	9.3	1011.6	936.5	12.9	6821.5
02/01/2020 23:45	5.6	9.3	1011	936.5	12.9	6821.5
03/01/2020 00:00	5.6	9.4	1011.2	936.3	12.9	6822
03/01/2020 00:15	5.6	9.4	1011.1	936.5	12.9	6821.5
03/01/2020 00:30	5.6	9.4	1011	936.5	12.9	6821.5
03/01/2020 00:45	5.6	9.5	1010.9	936.3	12.9	6822
03/01/2020 01:00	5.6	9.5	1010.7	936.5	12.9	6821.5
03/01/2020 01:15	5.6	9.5	1010.6	936.5	12.9	6821.5
03/01/2020 01:30	5.6	9.5	1010.5	936.3	12.9	6822
03/01/2020 01:45	5.6	9.5	1010.3	936.5	12.9	6821.5
03/01/2020 02:00	5.6	9.5	1010.3	936.6	12.9	6821
03/01/2020 02:15	5.6	9.6	1010	936.6	12.9	6821
03/01/2020 02:30	5.6	9.6	1009.4	936.3	12.9	6822
03/01/2020 02:45	5.6	9.6	1009.5	936.5	12.9	6821.5
03/01/2020 03:00	5.6	9.6	1009.3	936.6	12.9	6821
03/01/2020 03:15	5.6	9.7	1009.3	936.5	12.9	6821.5
03/01/2020 03:30	5.6	9.7	1009.3	936.6	12.9	6821
03/01/2020 03:45	5.6	9.7	1009.3	936.8	12.9	6820.5
03/01/2020 04:00	5.6	9.7	1008.8	936.5	12.9	6821.5
03/01/2020 04:15	5.6	9.7	1008.9	936.6	12.9	6821
03/01/2020 04:30	5.6	9.7	1009	936.5	12.9	6821.5
03/01/2020 04:45	5.6	9.7	1008.8	936.8	12.9	6820.5
03/01/2020 05:00	5.6	9.8	1008.5	936.5	12.9	6821.5
03/01/2020 05:15	5.6	9.8	1008.8	936.5	12.9	6821.5
03/01/2020 05:30	5.6	9.8	1008.4	936.3	12.9	6822
03/01/2020 05:45	5.6	9.8	1008.2	936.3	12.9	6822
03/01/2020 06:00	5.6	9.8	1007.9	936.3	12.9	6822
03/01/2020 06:15	5.6	9.7	1008	936.3	12.9	6822
03/01/2020 06:30	5.6	9.8	1008.3	936.5	12.9	6821.5
03/01/2020 06:45	5.6	9.8	1008.3	936.5	12.9	6821.5
03/01/2020 07:00	5.6	9.8	1008.8	936.3	12.9	6822

03/01/2020 07:15	5.6	9.9	1008.9	936.3	12.9	6822
03/01/2020 07:30	5.6	10	1009.1	936.3	12.9	6822
03/01/2020 07:45	5.6	10.1	1009.5	936.3	12.9	6822
03/01/2020 08:00	5.6	10.1	1010.2	936.3	12.9	6822
03/01/2020 08:15	5.6	10.1	1010.4	936.3	12.9	6822
03/01/2020 08:30	5.6	10.1	1010.5	936.3	12.9	6822
03/01/2020 08:45	5.6	10.2	1010.7	936.5	12.9	6821.5
03/01/2020 09:00	5.6	10.2	1011.1	936.3	12.9	6822
03/01/2020 09:15	5.6	10.2	1011.4	936.3	12.9	6822
03/01/2020 09:30	5.6	10.2	1011.6	936.5	12.9	6821.5
03/01/2020 09:45	5.6	10.4	1012.2	936.5	12.9	6821.5
03/01/2020 10:00	5.6	10.4	1011.9	936.3	12.9	6822
03/01/2020 10:15	5.6	10.5	1012.5	936.5	12.9	6821.5
03/01/2020 10:30	5.6	10.6	1013	936.5	12.9	6821.5
03/01/2020 10:45	5.6	10.6	1013.1	936.6	12.9	6821
03/01/2020 11:00	5.6	10.4	1013.8	936.5	12.9	6821.5
03/01/2020 11:15	5.6	10.2	1014.5	936.8	12.9	6820.5
03/01/2020 11:30	5.6	9.9	1015.1	936.8	12.9	6820.5
03/01/2020 11:45	5.6	9.6	1015.4	936.6	12.9	6821
03/01/2020 12:00	5.6	9.3	1016.1	936.8	12.9	6820.5
03/01/2020 12:15	5.6	9.2	1016.5	936.8	12.9	6820.5
03/01/2020 12:30	5.6	9.1	1016.8	936.8	12.9	6820.5
03/01/2020 12:45	5.6	9.2	1017.3	936.8	12.9	6820.5
03/01/2020 13:00	5.6	9.2	1017.4	937.1	12.9	6819.4
03/01/2020 13:15	5.6	9.3	1017.9	937.1	12.9	6819.4
03/01/2020 13:30	5.6	9.4	1018.3	937.1	12.9	6819.4
03/01/2020 13:45	5.6	9.3	1018.5	937.1	12.9	6819.4
03/01/2020 14:00	5.6	9.1	1019	937.3	12.9	6818.9
03/01/2020 14:15	5.6	8.9	1019.5	937.1	12.9	6819.4
03/01/2020 14:30	5.7	8.6	1019.7	937.1	12.9	6819.4
03/01/2020 14:45	5.7	8.4	1019.8	937.4	12.9	6818.4
03/01/2020 15:00	5.7	8.3	1020.5	937.1	12.9	6819.4
03/01/2020 15:15	5.7	7.9	1020.9	937.6	12.9	6817.8
03/01/2020 15:30	5.7	7.6	1021.4	937.4	12.9	6818.4
03/01/2020 15:45	5.7	7.3	1021.9	937.3	12.9	6818.9
03/01/2020 16:00	5.7	6.9	1022.4	937.4	12.9	6818.4
03/01/2020 16:15	5.7	6.5	1022.3	937.4	12.9	6818.4
03/01/2020 16:30	5.7	6.1	1022.9	937.4	12.9	6818.4
03/01/2020 16:45	5.7	5.8	1023.4	937.3	12.9	6818.9
03/01/2020 17:00	5.7	5.5	1023.4	937.4	12.9	6818.4
03/01/2020 17:15	5.7	5.2	1023.8	937.4	12.9	6818.4
03/01/2020 17:30	5.7	4.8	1024.1	937.3	12.9	6818.9
03/01/2020 17:45	5.7	4.4	1024.6	937.4	12.9	6818.4
03/01/2020 18:00	5.7	4	1024.7	937.4	12.9	6818.4
03/01/2020 18:15	5.7	3.7	1025.1	937.4	12.9	6818.4
03/01/2020 18:30	5.7	3.4	1025.5	937.4	12.9	6818.4
03/01/2020 18:45	5.7	3.3	1025.4	937.3	12.9	6818.9
03/01/2020 19:00	5.7	3.2	1025.8	937.4	12.9	6818.4
03/01/2020 19:15	5.7	3.2	1026	937.3	12.9	6818.9
03/01/2020 19:30	5.7	3.3	1026.2	937.4	12.9	6818.4

03/01/2020 19:45	5.7	3.3	1026.3	937.3	12.9	6818.9
03/01/2020 20:00	5.7	3.4	1026.6	937.4	12.9	6818.4
03/01/2020 20:15	5.7	3.5	1026.5	937.3	12.9	6818.9
03/01/2020 20:30	5.7	3.5	1026.6	937.3	12.9	6818.9
03/01/2020 20:45	5.7	3.5	1026.7	937.3	12.9	6818.9
03/01/2020 21:00	5.7	3.7	1027	937.3	12.9	6818.9
03/01/2020 21:15	5.7	4	1027.1	937.3	12.9	6818.9
03/01/2020 21:30	5.7	4.1	1027.2	937.3	12.9	6818.9
03/01/2020 21:45	5.7	4.1	1027.3	937.3	12.9	6818.9
03/01/2020 22:00	5.7	4.1	1027.3	937.3	12.9	6818.9
03/01/2020 22:15	5.7	4.2	1027.1	937.3	12.9	6818.9
03/01/2020 22:30	5.7	4.2	1027.3	937.1	12.9	6819.4
03/01/2020 22:45	5.7	4.3	1027.7	937.3	12.9	6818.9
03/01/2020 23:00	5.7	4.3	1027.8	937.3	12.9	6818.9
03/01/2020 23:15	5.7	4.2	1027.6	937.3	12.9	6818.9
03/01/2020 23:30	5.7	4.2	1027.9	937.3	12.9	6818.9
03/01/2020 23:45	5.7	4.2	1028.1	937.3	12.9	6818.9
04/01/2020 00:00	5.7	4.3	1027.9	937.4	12.9	6818.4
04/01/2020 00:15	5.7	4.3	1027.7	937.4	12.9	6818.4
04/01/2020 00:30	5.7	4.3	1027.7	937.3	12.9	6818.9
04/01/2020 00:45	5.7	4.2	1027.8	937.3	12.9	6818.9
04/01/2020 01:00	5.7	4.1	1027.8	937.6	12.9	6817.8
04/01/2020 01:15	5.7	4	1028	937.4	12.9	6818.4
04/01/2020 01:30	5.7	4	1028.3	937.6	12.9	6817.8
04/01/2020 01:45	5.7	3.8	1028.1	937.4	12.9	6818.4
04/01/2020 02:00	5.7	3.7	1027.9	937.4	12.9	6818.4
04/01/2020 02:15	5.7	3.4	1028.2	937.3	12.9	6818.9
04/01/2020 02:30	5.7	3.2	1028.3	937.4	12.9	6818.4
04/01/2020 02:45	5.7	3	1028.1	937.4	12.9	6818.4
04/01/2020 03:00	5.7	3	1028.3	937.6	12.9	6817.8
04/01/2020 03:15	5.7	3	1028.1	937.4	12.9	6818.4
04/01/2020 03:30	5.7	3.1	1027.9	937.6	12.9	6817.8
04/01/2020 03:45	5.7	3.3	1028	937.6	12.9	6817.8
04/01/2020 04:00	5.7	3.6	1027.7	937.6	12.9	6817.8
04/01/2020 04:15	5.7	3.7	1027.6	937.6	12.9	6817.8
04/01/2020 04:30	5.7	3.8	1027.9	937.6	12.9	6817.8
04/01/2020 04:45	5.7	3.8	1027.6	937.6	12.9	6817.8
04/01/2020 05:00	5.7	3.9	1028	937.6	12.9	6817.8
04/01/2020 05:15	5.7	3.9	1028	937.4	12.9	6818.4
04/01/2020 05:30	5.7	3.9	1027.7	937.8	12.9	6817.3
04/01/2020 05:45	5.7	4	1028.1	937.4	12.9	6818.4
04/01/2020 06:00	5.7	4.3	1028	937.4	12.9	6818.4
04/01/2020 06:15	5.7	4.4	1028.2	937.4	12.9	6818.4
04/01/2020 06:30	5.7	4.6	1028	937.6	12.9	6817.8
04/01/2020 06:45	5.7	4.7	1028.5	937.4	12.9	6818.4
04/01/2020 07:00	5.7	4.8	1028.2	937.4	12.9	6818.4
04/01/2020 07:15	5.7	4.7	1028.1	937.4	12.9	6818.4
04/01/2020 07:30	5.7	4.5	1028.1	937.4	12.9	6818.4
04/01/2020 07:45	5.7	4.2	1028	937.3	12.9	6818.9
04/01/2020 08:00	5.7	4	1028.2	937.4	12.9	6818.4

04/01/2020 08:15	5.7	3.8	1028.2	937.4	12.9	6818.4
04/01/2020 08:30	5.7	3.8	1028.6	937.3	12.9	6818.9
04/01/2020 08:45	5.7	3.8	1028.6	937.3	12.9	6818.9
04/01/2020 09:00	5.7	3.9	1028.7	937.3	12.9	6818.9
04/01/2020 09:15	5.7	4	1028.9	937.1	12.9	6819.4
04/01/2020 09:30	5.7	4.3	1028.7	937.1	12.9	6819.4
04/01/2020 09:45	5.7	4.7	1028.8	937.3	12.9	6818.9
04/01/2020 10:00	5.7	5.1	1028.6	937.1	12.9	6819.4
04/01/2020 10:15	5.7	5.5	1029.1	937.1	12.9	6819.4
04/01/2020 10:30	5.7	5.9	1028.6	937.1	12.9	6819.4
04/01/2020 10:45	5.7	6.2	1028.9	937.3	12.9	6818.9
04/01/2020 11:00	5.7	6.4	1028.6	937.1	12.9	6819.4
04/01/2020 11:15	5.7	6.7	1028.7	937.3	12.9	6818.9
04/01/2020 11:30	5.7	6.9	1028.6	937.3	12.9	6818.9
04/01/2020 11:45	5.7	7.3	1028.5	937.1	12.9	6819.4
04/01/2020 12:00	5.7	7.7	1028.4	937.3	12.9	6818.9
04/01/2020 12:15	5.7	8	1028.4	937.3	12.9	6818.9
04/01/2020 12:30	5.7	8.1	1028.3	937.1	12.9	6819.4
04/01/2020 12:45	5.6	8.3	1028.5	937.3	12.9	6818.9
04/01/2020 13:00	5.6	8.6	1028.5	937.1	12.9	6819.4
04/01/2020 13:15	5.6	8.7	1028.5	937.3	12.9	6818.9
04/01/2020 13:30	5.6	8.6	1028.5	937.1	12.9	6819.4
04/01/2020 13:45	5.6	8.4	1028.6	937.4	12.9	6818.4
04/01/2020 14:00	5.6	8.4	1028.5	937.4	12.9	6818.4
04/01/2020 14:15	5.7	8.3	1029.3	937.3	12.9	6818.9
04/01/2020 14:30	5.7	8.1	1029.1	937.6	12.9	6817.8
04/01/2020 14:45	5.7	8.1	1029.1	937.6	12.9	6817.8
04/01/2020 15:00	5.7	7.9	1029.6	937.3	12.9	6818.9
04/01/2020 15:15	5.7	7.7	1029.4	937.6	12.9	6817.8
04/01/2020 15:30	5.7	7.5	1029.5	937.3	12.9	6818.9
04/01/2020 15:45	5.7	7.2	1029.9	937.4	12.9	6818.4
04/01/2020 16:00	5.7	6.9	1030.2	937.6	12.9	6817.8
04/01/2020 16:15	5.7	6.7	1030.4	937.6	12.9	6817.8
04/01/2020 16:30	5.7	6.4	1030.6	937.6	12.9	6817.8
04/01/2020 16:45	5.7	6.3	1030.7	937.8	12.9	6817.3
04/01/2020 17:00	5.7	5.9	1030.9	937.4	12.9	6818.4
04/01/2020 17:15	5.7	5.5	1030.8	937.6	12.9	6817.8
04/01/2020 17:30	5.7	5.1	1030.8	937.6	12.9	6817.8
04/01/2020 17:45	5.7	4.9	1031	937.6	12.9	6817.8
04/01/2020 18:00	5.7	4.7	1031.1	937.6	12.9	6817.8
04/01/2020 18:15	5.7	4.6	1031.3	937.8	12.9	6817.3
04/01/2020 18:30	5.7	4.5	1031.5	937.6	12.9	6817.8
04/01/2020 18:45	5.7	4.4	1031.5	937.6	12.9	6817.8
04/01/2020 19:00	5.7	4.4	1031.6	937.6	12.9	6817.8
04/01/2020 19:15	5.7	4.4	1031.9	937.6	12.9	6817.8
04/01/2020 19:30	5.7	4.4	1032.1	937.6	12.9	6817.8
04/01/2020 19:45	5.7	4.5	1031.9	937.6	12.9	6817.8
04/01/2020 20:00	5.7	4.6	1032.1	937.4	12.9	6818.4
04/01/2020 20:15	5.7	4.6	1031.9	937.1	12.9	6819.4
04/01/2020 20:30	5.7	4.4	1031.9	937.4	12.9	6818.4

04/01/2020 20:45	5.7	4.2	1032	937.3	12.9	6818.9
04/01/2020 21:00	5.7	3.9	1031.8	937.4	12.9	6818.4
04/01/2020 21:15	5.7	3.7	1032.2	937.3	12.9	6818.9
04/01/2020 21:30	5.7	3.5	1032.1	937.4	12.9	6818.4
04/01/2020 21:45	5.7	3.3	1031.9	937.3	12.9	6818.9
04/01/2020 22:00	5.7	3.2	1032	937.3	12.9	6818.9
04/01/2020 22:15	5.7	3.1	1032.1	937.4	12.9	6818.4
04/01/2020 22:30	5.7	3.2	1032	937.3	12.9	6818.9
04/01/2020 22:45	5.7	3.3	1031.9	937.6	12.9	6817.8
04/01/2020 23:00	5.7	3.4	1032.2	937.3	12.9	6818.9
04/01/2020 23:15	5.7	3.6	1032.1	937.3	12.9	6818.9
04/01/2020 23:30	5.7	3.8	1032	937.4	12.9	6818.4
04/01/2020 23:45	5.7	4.1	1031.7	937.3	12.9	6818.9
05/01/2020 00:00	5.7	4.3	1032.1	937.3	12.9	6818.9
05/01/2020 00:15	5.7	4.4	1031.9	937.4	12.9	6818.4
05/01/2020 00:30	5.7	4.6	1031.5	937.6	12.9	6817.8
05/01/2020 00:45	5.7	4.8	1031.8	937.4	12.9	6818.4
05/01/2020 01:00	5.7	4.9	1031.8	937.1	12.9	6819.4
05/01/2020 01:15	5.7	5	1031.8	937.4	12.9	6818.4
05/01/2020 01:30	5.7	5.1	1031.9	937.3	12.9	6818.9
05/01/2020 01:45	5.7	5.2	1031.9	937.6	12.9	6817.8
05/01/2020 02:00	5.7	5.3	1032	937.6	12.9	6817.8
05/01/2020 02:15	5.7	5.3	1031.8	937.3	12.9	6818.9
05/01/2020 02:30	5.7	5.4	1032	937.6	12.9	6817.8
05/01/2020 02:45	5.7	5.4	1032.2	937.4	12.9	6818.4
05/01/2020 03:00	5.7	5.4	1031.9	937.4	12.9	6818.4
05/01/2020 03:15	5.7	5.4	1032.3	937.6	12.9	6817.8
05/01/2020 03:30	5.7	5.5	1031.7	937.6	12.9	6817.8
05/01/2020 03:45	5.7	5.5	1031.7	937.4	12.9	6818.4
05/01/2020 04:00	5.7	5.6	1031.6	937.8	12.9	6817.3
05/01/2020 04:15	5.7	5.6	1031.6	937.4	12.9	6818.4
05/01/2020 04:30	5.7	5.6	1031.5	937.4	12.9	6818.4
05/01/2020 04:45	5.7	5.7	1031	937.6	12.9	6817.8
05/01/2020 05:00	5.7	5.7	1031.2	937.6	12.9	6817.8
05/01/2020 05:15	5.7	5.7	1031.1	937.3	12.9	6818.9
05/01/2020 05:30	5.7	5.8	1031.2	937.4	12.9	6818.4
05/01/2020 05:45	5.7	5.8	1031.2	937.4	12.9	6818.4
05/01/2020 06:00	5.7	5.9	1030.9	937.6	12.9	6817.8
05/01/2020 06:15	5.7	5.9	1031	937.4	12.9	6818.4
05/01/2020 06:30	5.7	5.9	1030.7	937.6	12.9	6817.8
05/01/2020 06:45	5.7	6	1031	937.6	12.9	6817.8
05/01/2020 07:00	5.7	6	1030.8	937.4	12.9	6818.4
05/01/2020 07:15	5.7	6.1	1030.5	937.4	12.9	6818.4
05/01/2020 07:30	5.7	6.1	1030.7	937.3	12.9	6818.9
05/01/2020 07:45	5.7	6.2	1030.7	937.6	12.9	6817.8
05/01/2020 08:00	5.7	6.2	1031	937.1	12.9	6819.4
05/01/2020 08:15	5.7	6.3	1030.8	937.4	12.9	6818.4
05/01/2020 08:30	5.7	6.4	1031	937.3	12.9	6818.9
05/01/2020 08:45	5.7	6.5	1031	937.1	12.9	6819.4
05/01/2020 09:00	5.7	6.5	1030.7	937.3	12.9	6818.9

05/01/2020 09:15	5.7	6.6	1031	937.3	12.9	6818.9
05/01/2020 09:30	5.7	6.8	1030.9	937.1	12.9	6819.4
05/01/2020 09:45	5.7	6.9	1030.8	937.1	12.9	6819.4
05/01/2020 10:00	5.7	7.1	1031	937	12.9	6819.9
05/01/2020 10:15	5.7	7.2	1030.9	937.1	12.9	6819.4
05/01/2020 10:30	5.7	7.3	1030.9	937.3	12.9	6818.9
05/01/2020 10:45	5.7	7.4	1031.1	937.1	12.9	6819.4
05/01/2020 11:00	5.7	7.6	1030.7	937	12.9	6819.9
05/01/2020 11:15	5.7	7.7	1030.5	937.3	12.9	6818.9
05/01/2020 11:30	5.7	7.7	1030.5	937.1	12.9	6819.4
05/01/2020 11:45	5.6	7.8	1030.3	937.1	12.9	6819.4
05/01/2020 12:00	5.6	7.8	1029.9	937.1	12.9	6819.4
05/01/2020 12:15	5.6	7.9	1029.9	937.1	12.9	6819.4
05/01/2020 12:30	5.6	8.1	1029.5	937	12.9	6819.9
05/01/2020 12:45	5.6	8.2	1029.5	937.1	12.9	6819.4
05/01/2020 13:00	5.6	8.4	1029.4	937.1	12.9	6819.4
05/01/2020 13:15	5.6	8.4	1029.3	937.1	12.9	6819.4
05/01/2020 13:30	5.6	8.5	1029.2	937.1	12.9	6819.4
05/01/2020 13:45	5.6	8.6	1029.5	937.1	12.9	6819.4
05/01/2020 14:00	5.6	8.5	1029.2	937.1	12.9	6819.4
05/01/2020 14:15	5.6	8.5	1029	937.1	12.9	6819.4
05/01/2020 14:30	5.6	8.4	1029.2	937.1	12.9	6819.4
05/01/2020 14:45	5.6	8.4	1028.9	937.3	12.9	6818.9
05/01/2020 15:00	5.6	8.3	1029.2	937.3	12.9	6818.9
05/01/2020 15:15	5.6	8.3	1029.3	937.1	12.9	6819.4
05/01/2020 15:30	5.6	8.1	1028.9	937.3	12.9	6818.9
05/01/2020 15:45	5.6	8.1	1028.8	937.1	12.9	6819.4
05/01/2020 16:00	5.6	7.9	1028.6	937.1	12.9	6819.4
05/01/2020 16:15	5.6	7.8	1028.6	937.4	12.9	6818.4
05/01/2020 16:30	5.6	7.8	1028.6	937.3	12.9	6818.9
05/01/2020 16:45	5.7	7.7	1028.9	937.3	12.9	6818.9
05/01/2020 17:00	5.7	7.6	1028.4	937.3	12.9	6818.9
05/01/2020 17:15	5.7	7.5	1028.3	937.6	12.9	6817.8
05/01/2020 17:30	5.7	7.5	1028.6	937.4	12.9	6818.4
05/01/2020 17:45	5.7	7.5	1028.4	937.3	12.9	6818.9
05/01/2020 18:00	5.7	7.5	1028.5	937.4	12.9	6818.4
05/01/2020 18:15	5.7	7.5	1028.3	937.3	12.9	6818.9
05/01/2020 18:30	5.7	7.5	1028.3	937.3	12.9	6818.9
05/01/2020 18:45	5.7	7.5	1028.6	937.4	12.9	6818.4
05/01/2020 19:00	5.7	7.5	1028.1	937.4	12.9	6818.4
05/01/2020 19:15	5.7	7.5	1028.3	937.4	12.9	6818.4
05/01/2020 19:30	5.7	7.5	1028.1	937.6	12.9	6817.8
05/01/2020 19:45	5.7	7.5	1028.1	937.6	12.9	6817.8
05/01/2020 20:00	5.7	7.5	1028	937.6	12.9	6817.8
05/01/2020 20:15	5.7	7.5	1027.5	937.3	12.9	6818.9
05/01/2020 20:30	5.7	7.5	1027.7	937.3	12.9	6818.9
05/01/2020 20:45	5.7	7.5	1027.4	937.3	12.9	6818.9
05/01/2020 21:00	5.7	7.5	1027.4	937.1	12.9	6819.4
05/01/2020 21:15	5.7	7.5	1027.4	937.3	12.9	6818.9
05/01/2020 21:30	5.7	7.5	1027.4	937	12.9	6819.9

05/01/2020 21:45	5.7	7.5	1027	937.1	12.9	6819.4
05/01/2020 22:00	5.7	7.4	1026.9	937.3	12.9	6818.9
05/01/2020 22:15	5.7	7.4	1026.9	937.1	12.9	6819.4
05/01/2020 22:30	5.7	7.4	1026.7	937.1	12.9	6819.4
05/01/2020 22:45	5.7	7.4	1026.7	937.3	12.9	6818.9
05/01/2020 23:00	5.7	7.4	1026.5	937.1	12.9	6819.4
05/01/2020 23:15	5.7	7.4	1026.2	937.1	12.9	6819.4
05/01/2020 23:30	5.7	7.4	1026.2	937	12.9	6819.9
05/01/2020 23:45	5.7	7.3	1026.1	937	12.9	6819.9
06/01/2020 00:00	5.7	7.3	1026.1	937.1	12.9	6819.4
06/01/2020 00:15	5.7	7.3	1026.1	937.1	12.9	6819.4
06/01/2020 00:30	5.7	7.3	1025.6	937.1	12.9	6819.4
06/01/2020 00:45	5.7	7.2	1025.6	937.3	12.9	6818.9
06/01/2020 01:00	5.7	7.2	1025.8	936.8	12.9	6820.5
06/01/2020 01:15	5.7	7.2	1025.2	937.1	12.9	6819.4
06/01/2020 01:30	5.7	7.2	1025.3	937	12.9	6819.9
06/01/2020 01:45	5.7	7.3	1025.3	937	12.9	6819.9
06/01/2020 02:00	5.7	7.3	1025.3	937.1	12.9	6819.4
06/01/2020 02:15	5.7	7.3	1024.8	937.1	12.9	6819.4
06/01/2020 02:30	5.7	7.3	1024.6	937.1	12.9	6819.4
06/01/2020 02:45	5.7	7.4	1024.7	937.1	12.9	6819.4
06/01/2020 03:00	5.7	7.4	1024.1	937.1	12.9	6819.4
06/01/2020 03:15	5.7	7.4	1024.3	937.1	12.9	6819.4
06/01/2020 03:30	5.7	7.5	1024.2	937.1	12.9	6819.4
06/01/2020 03:45	5.7	7.5	1023.6	937.3	12.9	6818.9
06/01/2020 04:00	5.6	7.5	1023.5	937.1	12.9	6819.4
06/01/2020 04:15	5.7	7.6	1023.2	937.1	12.9	6819.4
06/01/2020 04:30	5.6	7.6	1023.2	937.1	12.9	6819.4
06/01/2020 04:45	5.7	7.6	1023	937.1	12.9	6819.4
06/01/2020 05:00	5.6	7.6	1023.1	937.1	12.9	6819.4
06/01/2020 05:15	5.6	7.6	1022.9	937.1	12.9	6819.4
06/01/2020 05:30	5.6	7.7	1022.6	937.1	12.9	6819.4
06/01/2020 05:45	5.6	7.6	1022.4	937.3	12.9	6818.9
06/01/2020 06:00	5.6	7.6	1022.4	937.1	12.9	6819.4
06/01/2020 06:15	5.6	7.6	1022.4	937.3	12.9	6818.9
06/01/2020 06:30	5.6	7.6	1022	937.4	12.9	6818.4
06/01/2020 06:45	5.6	7.5	1021.8	937.3	12.9	6818.9
06/01/2020 07:00	5.7	7.5	1021.8	937.3	12.9	6818.9
06/01/2020 07:15	5.7	7.4	1021.9	937.1	12.9	6819.4
06/01/2020 07:30	5.7	7.4	1021.4	937.1	12.9	6819.4
06/01/2020 07:45	5.7	7.3	1021.6	937.1	12.9	6819.4
06/01/2020 08:00	5.7	7.3	1021.2	937	12.9	6819.9
06/01/2020 08:15	5.7	7.3	1021	937.1	12.9	6819.4
06/01/2020 08:30	5.7	7.3	1021.1	937.1	12.9	6819.4
06/01/2020 08:45	5.7	7.3	1020.7	937.1	12.9	6819.4
06/01/2020 09:00	5.6	7.4	1020.6	936.8	12.9	6820.5
06/01/2020 09:15	5.6	7.4	1020.5	937.1	12.9	6819.4
06/01/2020 09:30	5.6	7.6	1020.1	936.8	12.9	6820.5
06/01/2020 09:45	5.6	7.7	1019.7	936.8	12.9	6820.5
06/01/2020 10:00	5.6	7.9	1019.3	936.6	12.9	6821

06/01/2020 10:15	5.6	8.1	1019.2	936.6	12.9	6821
06/01/2020 10:30	5.6	8.3	1018.7	936.8	12.9	6820.5
06/01/2020 10:45	5.6	8.5	1018.4	936.6	12.9	6821
06/01/2020 11:00	5.6	8.7	1018.1	936.6	12.9	6821
06/01/2020 11:15	5.6	8.9	1018.1	936.6	12.9	6821
06/01/2020 11:30	5.6	9.1	1017.5	936.6	12.9	6821
06/01/2020 11:45	5.6	9.2	1016.9	936.6	12.9	6821
06/01/2020 12:00	5.6	9.6	1016.5	936.5	12.9	6821.5
06/01/2020 12:15	5.6	9.6	1016.4	936.5	12.9	6821.5
06/01/2020 12:30	5.6	9.4	1015.8	936.5	12.9	6821.5
06/01/2020 12:45	5.6	9.2	1015.6	936.5	12.9	6821.5
06/01/2020 13:00	5.6	9	1015	936.5	12.9	6821.5
06/01/2020 13:15	5.6	8.7	1015.1	936.3	12.9	6822
06/01/2020 13:30	5.6	8.4	1015.3	936.3	12.9	6822
06/01/2020 13:45	5.6	8.3	1015.7	936.5	12.9	6821.5
06/01/2020 14:00	5.6	8.2	1015.1	936.3	12.9	6822
06/01/2020 14:15	5.6	8.1	1015.1	936.3	12.9	6822
06/01/2020 14:30	5.6	8	1015	936.3	12.9	6822
06/01/2020 14:45	5.6	8	1015.3	936.3	12.9	6822
06/01/2020 15:00	5.6	7.8	1014.9	936.5	12.9	6821.5
06/01/2020 15:15	5.6	7.5	1015.1	936.3	12.9	6822
06/01/2020 15:30	5.7	7.2	1015.3	936.3	12.9	6822
06/01/2020 15:45	5.7	6.9	1015	936.5	12.9	6821.5
06/01/2020 16:00	5.7	6.9	1014.7	936.6	12.9	6821
06/01/2020 16:15	5.7	6.9	1014.3	936.3	12.9	6822
06/01/2020 16:30	5.7	6.9	1014.4	936.5	12.9	6821.5
06/01/2020 16:45	5.7	6.9	1014.5	936.5	12.9	6821.5
06/01/2020 17:00	5.7	6.8	1014.8	936.5	12.9	6821.5
06/01/2020 17:15	5.7	6.9	1014.4	936.5	12.9	6821.5
06/01/2020 17:30	5.7	6.9	1014.8	936.5	12.9	6821.5
06/01/2020 17:45	5.7	7	1014.4	936.5	12.9	6821.5
06/01/2020 18:00	5.7	7	1014.3	936.5	12.9	6821.5
06/01/2020 18:15	5.7	7.1	1014.6	936.6	12.9	6821
06/01/2020 18:30	5.7	7.2	1014.5	936.8	12.9	6820.5
06/01/2020 18:45	5.6	7.2	1014.6	936.6	12.9	6821
06/01/2020 19:00	5.7	7.2	1014.7	936.6	12.9	6821
06/01/2020 19:15	5.7	7.2	1015	936.6	12.9	6821
06/01/2020 19:30	5.7	7.2	1015.1	936.6	12.9	6821
06/01/2020 19:45	5.7	7.2	1015.2	936.6	12.9	6821
06/01/2020 20:00	5.7	7.2	1015.4	936.8	12.9	6820.5
06/01/2020 20:15	5.7	6.9	1015.5	936.6	12.9	6821
06/01/2020 20:30	5.7	6.6	1015.4	936.6	12.9	6821
06/01/2020 20:45	5.7	6.4	1015.4	936.6	12.9	6821
06/01/2020 21:00	5.7	6.2	1015.8	936.6	12.9	6821
06/01/2020 21:15	5.7	6.1	1016	936.6	12.9	6821
06/01/2020 21:30	5.7	6.1	1016.3	936.6	12.9	6821
06/01/2020 21:45	5.7	6	1016.5	936.6	12.9	6821
06/01/2020 22:00	5.7	5.8	1016.7	936.6	12.9	6821
06/01/2020 22:15	5.7	5.6	1016.7	936.6	12.9	6821
06/01/2020 22:30	5.7	5.5	1017	936.5	12.9	6821.5

06/01/2020 22:45	5.7	5.4	1017.3	936.6	12.9	6821
06/01/2020 23:00	5.7	5.4	1017.8	936.6	12.9	6821
06/01/2020 23:15	5.7	5.3	1018.1	936.8	12.9	6820.5
06/01/2020 23:30	5.7	5.2	1018.2	936.6	12.9	6821
06/01/2020 23:45	5.7	5.1	1018.5	936.6	12.9	6821
07/01/2020 00:00	5.7	5	1018.9	936.6	12.9	6821
07/01/2020 00:15	5.7	4.9	1019	936.8	12.9	6820.5
07/01/2020 00:30	5.7	4.7	1019.6	936.6	12.9	6821
07/01/2020 00:45	5.7	4.5	1019.3	936.6	12.9	6821
07/01/2020 01:00	5.7	4.3	1019.5	936.8	12.9	6820.5
07/01/2020 01:15	5.7	4.1	1019.8	936.6	12.9	6821
07/01/2020 01:30	5.7	3.9	1020.2	936.6	12.9	6821
07/01/2020 01:45	5.7	3.8	1020.4	937	12.9	6819.9
07/01/2020 02:00	5.7	3.8	1020.2	936.8	12.9	6820.5
07/01/2020 02:15	5.7	3.7	1020.1	936.8	12.9	6820.5
07/01/2020 02:30	5.7	3.6	1020.2	936.8	12.9	6820.5
07/01/2020 02:45	5.7	3.5	1020.2	936.8	12.9	6820.5
07/01/2020 03:00	5.7	3.4	1020.7	936.8	12.9	6820.5
07/01/2020 03:15	5.7	3.2	1020.8	936.8	12.9	6820.5
07/01/2020 03:30	5.7	3.1	1020.6	937.1	12.9	6819.4
07/01/2020 03:45	5.7	3	1021	937	12.9	6819.9
07/01/2020 04:00	5.7	3	1021.1	937.1	12.9	6819.4
07/01/2020 04:15	5.7	3	1021.1	937	12.9	6819.9
07/01/2020 04:30	5.7	2.9	1021.3	937.3	12.9	6818.9
07/01/2020 04:45	5.7	2.9	1021.1	937.3	12.9	6818.9
07/01/2020 05:00	5.7	2.8	1021.5	937.3	12.9	6818.9
07/01/2020 05:15	5.7	2.8	1021.1	937.1	12.9	6819.4
07/01/2020 05:30	5.7	2.8	1021.2	937.3	12.9	6818.9
07/01/2020 05:45	5.7	2.8	1021.4	937.3	12.9	6818.9
07/01/2020 06:00	5.7	2.7	1020.8	937.1	12.9	6819.4
07/01/2020 06:15	5.7	2.6	1021.1	937.3	12.9	6818.9
07/01/2020 06:30	5.7	2.6	1021.1	937.3	12.9	6818.9
07/01/2020 06:45	5.7	2.5	1021	937.1	12.9	6819.4
07/01/2020 07:00	5.7	2.4	1021.5	937.4	12.9	6818.4
07/01/2020 07:15	5.7	2.4	1021.5	937.4	12.9	6818.4
07/01/2020 07:30	5.7	2.5	1021.6	937.4	12.9	6818.4
07/01/2020 07:45	5.7	2.7	1021.5	937.3	12.9	6818.9
07/01/2020 08:00	5.7	3	1021.4	937.1	12.9	6819.4
07/01/2020 08:15	5.7	3.2	1021.7	937.3	12.9	6818.9
07/01/2020 08:30	5.7	3.5	1021.9	937.4	12.9	6818.4
07/01/2020 08:45	5.7	3.7	1022	937.3	12.9	6818.9
07/01/2020 09:00	5.7	4	1022.3	937.4	12.9	6818.4
07/01/2020 09:15	5.7	4.6	1022	937.1	12.9	6819.4
07/01/2020 09:30	5.7	5.1	1021.8	937.1	12.9	6819.4
07/01/2020 09:45	5.7	5.6	1021.9	937.3	12.9	6818.9
07/01/2020 10:00	5.7	6.2	1021.8	937.3	12.9	6818.9
07/01/2020 10:15	5.7	6.8	1021.1	937.3	12.9	6818.9
07/01/2020 10:30	5.6	7.5	1020.9	937.1	12.9	6819.4
07/01/2020 10:45	5.6	7.9	1020.3	937.1	12.9	6819.4
07/01/2020 11:00	5.6	8.4	1020.5	936.8	12.9	6820.5

07/01/2020 11:15	5.6	8.7	1020.3	937	12.9	6819.9
07/01/2020 11:30	5.6	8.9	1019.7	937.1	12.9	6819.4
07/01/2020 11:45	5.6	9	1019.6	936.8	12.9	6820.5
07/01/2020 12:00	5.6	9.1	1019.4	937.1	12.9	6819.4
07/01/2020 12:15	5.6	9.3	1019.2	936.8	12.9	6820.5
07/01/2020 12:30	5.6	9.5	1018.7	936.8	12.9	6820.5
07/01/2020 12:45	5.6	9.7	1018.5	936.6	12.9	6821
07/01/2020 13:00	5.6	9.9	1018.4	936.8	12.9	6820.5
07/01/2020 13:15	5.6	10.2	1018.6	936.8	12.9	6820.5
07/01/2020 13:30	5.6	10.3	1018.5	936.6	12.9	6821
07/01/2020 13:45	5.6	10.3	1018.1	936.5	12.9	6821.5
07/01/2020 14:00	5.6	10.4	1017.7	936.6	12.9	6821
07/01/2020 14:15	5.6	10.5	1017.7	936.6	12.9	6821
07/01/2020 14:30	5.6	10.4	1017.3	936.6	12.9	6821
07/01/2020 14:45	5.6	10.2	1016.9	936.5	12.9	6821.5
07/01/2020 15:00	5.6	9.9	1016.8	936.5	12.9	6821.5
07/01/2020 15:15	5.6	9.7	1016.9	936.5	12.9	6821.5
07/01/2020 15:30	5.6	9.6	1016.6	936.6	12.9	6821
07/01/2020 15:45	5.6	9.4	1016.7	936.5	12.9	6821.5
07/01/2020 16:00	5.6	9.3	1016.4	936.5	12.9	6821.5
07/01/2020 16:15	5.6	9.2	1016.1	936.5	12.9	6821.5
07/01/2020 16:30	5.6	9.1	1016.1	936.5	12.9	6821.5
07/01/2020 16:45	5.6	9.1	1016.3	936.5	12.9	6821.5
07/01/2020 17:00	5.6	9.2	1015.9	936.5	12.9	6821.5
07/01/2020 17:15	5.6	9.3	1015.7	936.5	12.9	6821.5
07/01/2020 17:30	5.6	9.3	1015.1	936.5	12.9	6821.5
07/01/2020 17:45	5.6	9.4	1015.3	936.6	12.9	6821
07/01/2020 18:00	5.6	9.5	1015.7	936.5	12.9	6821.5
07/01/2020 18:15	5.6	9.5	1016	936.6	12.9	6821
07/01/2020 18:30	5.6	9.6	1016.1	936.5	12.9	6821.5
07/01/2020 18:45	5.6	9.7	1015.5	936.5	12.9	6821.5
07/01/2020 19:00	5.6	9.8	1015.7	936.5	12.9	6821.5
07/01/2020 19:15	5.6	9.8	1015.6	936.5	12.9	6821.5
07/01/2020 19:30	5.6	9.9	1015.3	936.6	12.9	6821
07/01/2020 19:45	5.6	10	1015.3	936.5	12.9	6821.5
07/01/2020 20:00	5.6	10	1015.3	936.6	12.9	6821
07/01/2020 20:15	5.6	10.1	1014.8	936.5	12.9	6821.5
07/01/2020 20:30	5.6	10.2	1014.3	936.5	12.9	6821.5
07/01/2020 20:45	5.6	10.3	1013.9	936.5	12.9	6821.5
07/01/2020 21:00	5.6	10.4	1013.7	936.5	12.9	6821.5
07/01/2020 21:15	5.6	10.5	1014.6	936.3	12.9	6822
07/01/2020 21:30	5.6	10.6	1014.4	936.5	12.9	6821.5
07/01/2020 21:45	5.6	10.6	1014.1	936.5	12.9	6821.5
07/01/2020 22:00	5.6	10.6	1013.7	936.3	12.9	6822
07/01/2020 22:15	5.6	10.7	1014.1	936.3	12.9	6822
07/01/2020 22:30	5.6	10.9	1013.8	936.3	12.9	6822
07/01/2020 22:45	5.6	10.9	1013.5	936.5	12.9	6821.5
07/01/2020 23:00	5.6	11	1013.6	936.3	12.9	6822
07/01/2020 23:15	5.6	11.1	1013.8	936.3	12.9	6822
07/01/2020 23:30	5.6	11.1	1013.6	936.2	12.9	6822.5

07/01/2020 23:45	5.6	11.2	1013.3	936.3	12.9	6822
08/01/2020 00:00	5.6	11.2	1013.6	936.3	12.9	6822
08/01/2020 00:15	5.6	11.4	1013.5	936.2	12.9	6822.5
08/01/2020 00:30	5.6	11.6	1013.7	936.3	12.9	6822
08/01/2020 00:45	5.6	11.7	1013.7	936.3	12.9	6822
08/01/2020 01:00	5.6	11.8	1013.5	936.3	12.9	6822
08/01/2020 01:15	5.6	11.9	1013.5	936.3	12.9	6822
08/01/2020 01:30	5.6	12	1013.6	936.2	12.9	6822.5
08/01/2020 01:45	5.6	12.1	1013.7	936.2	12.9	6822.5
08/01/2020 02:00	5.6	12.1	1013.9	936.2	12.9	6822.5
08/01/2020 02:15	5.6	12.1	1014.4	936.3	12.9	6822
08/01/2020 02:30	5.6	12.1	1014.3	936.5	12.9	6821.5
08/01/2020 02:45	5.6	12.2	1014.3	936.3	12.9	6822
08/01/2020 03:00	5.6	12.2	1013.7	936.3	12.9	6822
08/01/2020 03:15	5.6	12.1	1014.2	936.3	12.9	6822
08/01/2020 03:30	5.6	12.1	1014.3	936.5	12.9	6821.5
08/01/2020 03:45	5.6	12.1	1014.1	936.6	12.9	6821
08/01/2020 04:00	5.6	12	1014.2	936.5	12.9	6821.5
08/01/2020 04:15	5.6	11.9	1014.3	936.6	12.9	6821
08/01/2020 04:30	5.6	11.9	1014.5	936.5	12.9	6821.5
08/01/2020 04:45	5.6	11.9	1014.8	936.6	12.9	6821
08/01/2020 05:00	5.6	11.9	1015.3	936.6	12.9	6821
08/01/2020 05:15	5.6	11.9	1015.1	936.8	12.9	6820.5
08/01/2020 05:30	5.6	11.8	1015	936.8	12.9	6820.5
08/01/2020 05:45	5.6	11.7	1015.4	936.8	12.9	6820.5
08/01/2020 06:00	5.6	11.5	1015.5	936.6	12.9	6821
08/01/2020 06:15	5.6	11.3	1015.6	936.8	12.9	6820.5
08/01/2020 06:30	5.6	11.2	1015.7	936.8	12.9	6820.5
08/01/2020 06:45	5.6	11.1	1015.8	937	12.9	6819.9
08/01/2020 07:00	5.6	10.9	1016.6	937.1	12.9	6819.4
08/01/2020 07:15	5.6	10.8	1016.5	937.3	12.9	6818.9
08/01/2020 07:30	5.6	10.8	1016.6	937	12.9	6819.9
08/01/2020 07:45	5.6	10.8	1016.9	937.3	12.9	6818.9
08/01/2020 08:00	5.6	10.8	1017.3	937	12.9	6819.9
08/01/2020 08:15	5.6	10.8	1017.7	937.1	12.9	6819.4
08/01/2020 08:30	5.6	10.8	1018	937.3	12.9	6818.9
08/01/2020 08:45	5.6	10.8	1018	937.3	12.9	6818.9
08/01/2020 09:00	5.6	10.9	1018	937.1	12.9	6819.4
08/01/2020 09:15	5.6	10.9	1018.2	937.3	12.9	6818.9
08/01/2020 09:30	5.6	11.1	1018.1	937.1	12.9	6819.4
08/01/2020 09:45	5.6	11.2	1018.3	937.1	12.9	6819.4
08/01/2020 10:00	5.6	11.2	1018.8	937.3	12.9	6818.9
08/01/2020 10:15	5.6	11.2	1018.7	937.1	12.9	6819.4
08/01/2020 10:30	5.6	11.3	1018.7	937.4	12.9	6818.4
08/01/2020 10:45	5.6	11.4	1018.9	937.3	12.9	6818.9
08/01/2020 11:00	5.6	11.6	1018.9	937.3	12.9	6818.9
08/01/2020 11:15	5.6	11.8	1018.7	937.3	12.9	6818.9
08/01/2020 11:30	5.6	12	1018.5	937.1	12.9	6819.4
08/01/2020 11:45	5.6	12.2	1018.4	937.1	12.9	6819.4
08/01/2020 12:00	5.6	12.4	1018.6	937	12.9	6819.9

08/01/2020 12:15	5.6	12.7	1018.5	937.1	12.9	6819.4
08/01/2020 12:30	5.6	13.2	1017.9	937.1	12.9	6819.4
08/01/2020 12:45	5.6	13.4	1018.2	937.1	12.9	6819.4
08/01/2020 13:00	5.6	13.7	1018.3	937.1	12.9	6819.4
08/01/2020 13:15	5.6	13.8	1018.7	936.6	12.9	6821
08/01/2020 13:30	5.6	13.6	1018.5	936.8	12.9	6820.5
08/01/2020 13:45	5.6	13.3	1018.5	937	12.9	6819.9
08/01/2020 14:00	5.6	13.2	1018.2	936.6	12.9	6821
08/01/2020 14:15	5.6	13	1018.8	937	12.9	6819.9
08/01/2020 14:30	5.6	12.8	1019	937	12.9	6819.9
08/01/2020 14:45	5.6	12.6	1019.4	936.8	12.9	6820.5
08/01/2020 15:00	5.6	12.5	1019.5	937	12.9	6819.9
08/01/2020 15:15	5.6	12.2	1018.8	936.8	12.9	6820.5
08/01/2020 15:30	5.6	11.9	1019.4	937	12.9	6819.9
08/01/2020 15:45	5.6	11.7	1019.8	936.8	12.9	6820.5
08/01/2020 16:00	5.6	11.4	1019.9	937	12.9	6819.9
08/01/2020 16:15	5.6	11.1	1019.6	936.8	12.9	6820.5
08/01/2020 16:30	5.6	10.8	1019.8	937	12.9	6819.9
08/01/2020 16:45	5.6	10.6	1019.7	937.1	12.9	6819.4
08/01/2020 17:00	5.6	10.4	1020	936.8	12.9	6820.5
08/01/2020 17:15	5.6	10.2	1020	937	12.9	6819.9
08/01/2020 17:30	5.6	10	1020.2	937.3	12.9	6818.9
08/01/2020 17:45	5.6	9.8	1020.4	937.1	12.9	6819.4
08/01/2020 18:00	5.6	9.6	1019.8	937.1	12.9	6819.4
08/01/2020 18:15	5.6	9.4	1019.7	937	12.9	6819.9
08/01/2020 18:30	5.6	9.3	1019.3	937	12.9	6819.9
08/01/2020 18:45	5.6	9.1	1019.3	937	12.9	6819.9
08/01/2020 19:00	5.6	8.9	1019.3	936.8	12.9	6820.5
08/01/2020 19:15	5.6	8.8	1019.1	936.8	12.9	6820.5
08/01/2020 19:30	5.6	8.7	1019	937.1	12.9	6819.4
08/01/2020 19:45	5.6	8.6	1019	937.3	12.9	6818.9
08/01/2020 20:00	5.6	8.6	1018.7	937	12.9	6819.9
08/01/2020 20:15	5.6	8.6	1018.8	937.1	12.9	6819.4
08/01/2020 20:30	5.6	8.6	1018.8	937.1	12.9	6819.4
08/01/2020 20:45	5.6	8.6	1018.5	937.1	12.9	6819.4
08/01/2020 21:00	5.6	8.5	1018.4	937.1	12.9	6819.4
08/01/2020 21:15	5.6	8.5	1018	937.1	12.9	6819.4
08/01/2020 21:30	5.6	8.4	1017.4	937.1	12.9	6819.4
08/01/2020 21:45	5.6	8.3	1017.1	937.1	12.9	6819.4
08/01/2020 22:00	5.6	8.3	1016.7	937.1	12.9	6819.4
08/01/2020 22:15	5.6	8.3	1016.5	936.8	12.9	6820.5
08/01/2020 22:30	5.6	8.3	1016.1	937.3	12.9	6818.9
08/01/2020 22:45	5.6	8.4	1015.6	937.1	12.9	6819.4
08/01/2020 23:00	5.6	8.4	1014.9	936.8	12.9	6820.5
08/01/2020 23:15	5.6	8.4	1014.8	936.8	12.9	6820.5
08/01/2020 23:30	5.6	8.5	1014	936.8	12.9	6820.5
08/01/2020 23:45	5.6	8.6	1013.5	936.8	12.9	6820.5
09/01/2020 00:00	5.6	8.8	1013.4	936.8	12.9	6820.5
09/01/2020 00:15	5.6	8.9	1013	936.6	12.9	6821
09/01/2020 00:30	5.6	9.1	1012.7	936.3	12.9	6822

09/01/2020 00:45	5.6	9.2	1011.8	936.5	12.9	6821.5
09/01/2020 01:00	5.6	9.3	1011.5	936.5	12.9	6821.5
09/01/2020 01:15	5.6	9.3	1010.9	936.3	12.9	6822
09/01/2020 01:30	5.6	9.3	1010.3	936.3	12.9	6822
09/01/2020 01:45	5.6	9.4	1010	936.3	12.9	6822
09/01/2020 02:00	5.6	9.4	1009.5	936.5	12.9	6821.5
09/01/2020 02:15	5.6	9.6	1009	936.3	12.9	6822
09/01/2020 02:30	5.6	9.8	1008.5	936.2	12.9	6822.5
09/01/2020 02:45	5.6	9.9	1008.3	936.2	12.9	6822.5
09/01/2020 03:00	5.6	10.1	1008	936.2	12.9	6822.5
09/01/2020 03:15	5.6	10.3	1007.4	936.2	12.9	6822.5
09/01/2020 03:30	5.6	10.5	1007	936	12.9	6823.1
09/01/2020 03:45	5.6	10.6	1006.8	936.2	12.9	6822.5
09/01/2020 04:00	5.6	10.7	1006.2	936.3	12.9	6822
09/01/2020 04:15	5.6	10.8	1006	936.2	12.9	6822.5
09/01/2020 04:30	5.6	10.9	1005.7	936.3	12.9	6822
09/01/2020 04:45	5.6	10.9	1005.4	936.2	12.9	6822.5
09/01/2020 05:00	5.6	11	1005.1	936.3	12.9	6822
09/01/2020 05:15	5.6	10.9	1005	936.3	12.9	6822
09/01/2020 05:30	5.6	10.9	1004.8	936.2	12.9	6822.5
09/01/2020 05:45	5.6	10.9	1005	936.3	12.9	6822
09/01/2020 06:00	5.6	10.9	1004.6	936.3	12.9	6822
09/01/2020 06:15	5.6	10.9	1004.3	936.3	12.9	6822
09/01/2020 06:30	5.6	10.9	1004.1	936.3	12.9	6822
09/01/2020 06:45	5.6	10.9	1003.2	936.2	12.9	6822.5
09/01/2020 07:00	5.6	10.9	1003.1	936.3	12.9	6822
09/01/2020 07:15	5.6	10.8	1002.8	936.2	12.9	6822.5
09/01/2020 07:30	5.6	10.8	1002.9	936.3	12.9	6822
09/01/2020 07:45	5.6	10.8	1002.7	936.3	12.9	6822
09/01/2020 08:00	5.6	10.8	1002.7	936.3	12.9	6822
09/01/2020 08:15	5.6	10.8	1002.3	936.3	12.9	6822
09/01/2020 08:30	5.6	10.9	1002.6	936.3	12.9	6822
09/01/2020 08:45	5.6	11	1002.5	936.3	12.9	6822
09/01/2020 09:00	5.6	11.1	1002.7	936.3	12.9	6822
09/01/2020 09:15	5.6	11.1	1002.2	936.3	12.9	6822
09/01/2020 09:30	5.6	11.1	1002.1	936.5	12.9	6821.5
09/01/2020 09:45	5.6	11.2	1002.5	936.3	12.9	6822
09/01/2020 10:00	5.6	11.2	1002.6	936.3	12.9	6822
09/01/2020 10:15	5.6	11.3	1002.6	936.3	12.9	6822
09/01/2020 10:30	5.6	11.6	1002.5	936.3	12.9	6822
09/01/2020 10:45	5.6	11.9	1001.7	936.3	12.9	6822
09/01/2020 11:00	5.6	12.2	1002	936.3	12.9	6822
09/01/2020 11:15	5.6	12.5	1001.9	936	12.9	6823.1
09/01/2020 11:30	5.6	12.6	1002	936.2	12.9	6822.5
09/01/2020 11:45	5.6	12.8	1001.9	936.2	12.9	6822.5
09/01/2020 12:00	5.6	13	1001.9	936	12.9	6823.1
09/01/2020 12:15	5.6	12.9	1001.6	936	12.9	6823.1
09/01/2020 12:30	5.6	12.9	1001.5	936	12.9	6823.1
09/01/2020 12:45	5.6	12.8	1001.5	936	12.9	6823.1
09/01/2020 13:00	5.6	12.8	1001.7	936	12.9	6823.1

09/01/2020 13:15	5.6	12.7	1001.2	936	12.9	6823.1
09/01/2020 13:30	5.6	12.5	1001.3	935.8	12.9	6823.6
09/01/2020 13:45	5.6	12.3	1000.9	935.8	12.9	6823.6
09/01/2020 14:00	5.6	12.1	1001.3	935.8	12.9	6823.6
09/01/2020 14:15	5.6	11.9	1001.2	935.8	12.9	6823.6
09/01/2020 14:30	5.6	11.7	1001.3	935.8	12.9	6823.6
09/01/2020 14:45	5.6	11.6	1001.3	935.8	12.9	6823.6
09/01/2020 15:00	5.6	11.4	1001.2	935.7	12.9	6824.1
09/01/2020 15:15	5.6	11.1	1001.6	935.8	12.9	6823.6
09/01/2020 15:30	5.6	10.8	1001.9	935.8	12.9	6823.6
09/01/2020 15:45	5.6	10.5	1002.2	935.8	12.9	6823.6
09/01/2020 16:00	5.6	10.2	1002.1	935.8	12.9	6823.6
09/01/2020 16:15	5.6	10.2	1002.1	935.8	12.9	6823.6
09/01/2020 16:30	5.6	10.2	1001.8	935.8	12.9	6823.6
09/01/2020 16:45	5.6	10.3	1001.7	935.8	12.9	6823.6
09/01/2020 17:00	5.6	10.3	1001.7	935.8	12.9	6823.6
09/01/2020 17:15	5.6	10.3	1001.6	935.8	12.9	6823.6
09/01/2020 17:30	5.6	10.3	1001.5	936	12.9	6823.1
09/01/2020 17:45	5.6	10.2	1001.3	935.8	12.9	6823.6
09/01/2020 18:00	5.6	10.1	1001.3	935.8	12.9	6823.6
09/01/2020 18:15	5.6	10.1	1001	935.8	12.9	6823.6
09/01/2020 18:30	5.6	10.1	1001.1	936	12.9	6823.1
09/01/2020 18:45	5.6	10.1	1001.2	935.8	12.9	6823.6
09/01/2020 19:00	5.6	10	1001.1	936.2	12.9	6822.5
09/01/2020 19:15	5.6	10	1001.3	936	12.9	6823.1
09/01/2020 19:30	5.6	9.9	1001.6	936.2	12.9	6822.5
09/01/2020 19:45	5.6	9.8	1001.2	936	12.9	6823.1
09/01/2020 20:00	5.6	9.8	1001.2	936.2	12.9	6822.5
09/01/2020 20:15	5.6	9.8	1001	936.2	12.9	6822.5
09/01/2020 20:30	5.6	9.6	1001.5	936.2	12.9	6822.5
09/01/2020 20:45	5.6	9.4	1001.7	936.3	12.9	6822
09/01/2020 21:00	5.6	9.2	1002	936.2	12.9	6822.5
09/01/2020 21:15	5.6	8.9	1001.8	936.2	12.9	6822.5
09/01/2020 21:30	5.6	8.6	1002.3	936.3	12.9	6822
09/01/2020 21:45	5.6	8.2	1002.8	936.3	12.9	6822
09/01/2020 22:00	5.6	7.9	1003.2	936.3	12.9	6822
09/01/2020 22:15	5.6	7.5	1003.3	936.3	12.9	6822
09/01/2020 22:30	5.6	7.2	1003.3	936.3	12.9	6822
09/01/2020 22:45	5.6	7.2	1003.8	936.5	12.9	6821.5
09/01/2020 23:00	5.6	7.4	1004	936.3	12.9	6822
09/01/2020 23:15	5.6	7.5	1004.6	936.3	12.9	6822
09/01/2020 23:30	5.6	7.5	1004.9	936.3	12.9	6822
09/01/2020 23:45	5.6	7.4	1004.9	936.2	12.9	6822.5
10/01/2020 00:00	5.6	7.4	1005	936.3	12.9	6822
10/01/2020 00:15	5.6	7.3	1005	936.2	12.9	6822.5
10/01/2020 00:30	5.6	7.3	1005.2	936.3	12.9	6822
10/01/2020 00:45	5.6	7.2	1005.5	936.3	12.9	6822
10/01/2020 01:00	5.6	7.2	1005.9	936.2	12.9	6822.5
10/01/2020 01:15	5.6	7.2	1006.1	936.2	12.9	6822.5
10/01/2020 01:30	5.6	7.2	1006.6	936.3	12.9	6822

10/01/2020 01:45	5.6	7.2	1007.1	936.2	12.9	6822.5
10/01/2020 02:00	5.6	7.1	1007.5	936.2	12.9	6822.5
10/01/2020 02:15	5.6	7.1	1007.9	936.2	12.9	6822.5
10/01/2020 02:30	5.6	7.1	1008	936	12.9	6823.1
10/01/2020 02:45	5.6	7.1	1008.3	936.3	12.9	6822
10/01/2020 03:00	5.6	7.1	1008.7	936.3	12.9	6822
10/01/2020 03:15	5.6	7.1	1009.2	936.2	12.9	6822.5
10/01/2020 03:30	5.6	7.2	1009.3	936.2	12.9	6822.5
10/01/2020 03:45	5.6	7.1	1009.8	936.2	12.9	6822.5
10/01/2020 04:00	5.6	7.1	1009.9	936.2	12.9	6822.5
10/01/2020 04:15	5.6	7.1	1010.2	936.3	12.9	6822
10/01/2020 04:30	5.6	7.1	1010.7	936.3	12.9	6822
10/01/2020 04:45	5.6	7.1	1011	936.3	12.9	6822
10/01/2020 05:00	5.6	7	1011.3	936.3	12.9	6822
10/01/2020 05:15	5.6	7	1012.1	936.3	12.9	6822
10/01/2020 05:30	5.6	6.9	1012.5	936.5	12.9	6821.5
10/01/2020 05:45	5.6	6.8	1012.7	936.5	12.9	6821.5
10/01/2020 06:00	5.6	6.8	1012.9	936.5	12.9	6821.5
10/01/2020 06:15	5.6	6.8	1013.6	936.8	12.9	6820.5
10/01/2020 06:30	5.6	6.8	1013.8	936.6	12.9	6821
10/01/2020 06:45	5.6	6.8	1014.3	936.6	12.9	6821
10/01/2020 07:00	5.6	6.7	1014.7	936.8	12.9	6820.5
10/01/2020 07:15	5.6	6.6	1015.5	936.8	12.9	6820.5
10/01/2020 07:30	5.6	6.5	1015.5	936.8	12.9	6820.5
10/01/2020 07:45	5.6	6.4	1015.9	937	12.9	6819.9
10/01/2020 08:00	5.6	6.5	1016.8	936.8	12.9	6820.5
10/01/2020 08:15	5.6	6.9	1017	937.1	12.9	6819.4
10/01/2020 08:30	5.6	6.7	1016.9	937.1	12.9	6819.4
10/01/2020 08:45	5.6	6.7	1017.5	937.1	12.9	6819.4
10/01/2020 09:00	5.6	6.6	1017.6	937.3	12.9	6818.9
10/01/2020 09:15	5.6	6.6	1018	937.1	12.9	6819.4
10/01/2020 09:30	5.6	6.7	1018.5	937.3	12.9	6818.9
10/01/2020 09:45	5.6	6.9	1019.2	937.3	12.9	6818.9
10/01/2020 10:00	5.6	7.1	1019.6	937.3	12.9	6818.9
10/01/2020 10:15	5.6	7.2	1019.8	937.1	12.9	6819.4
10/01/2020 10:30	5.6	7.5	1020.2	937.3	12.9	6818.9
10/01/2020 10:45	5.6	7.7	1020.4	937.3	12.9	6818.9
10/01/2020 11:00	5.6	7.9	1021	937.3	12.9	6818.9
10/01/2020 11:15	5.6	8	1021.3	937.4	12.9	6818.4
10/01/2020 11:30	5.6	8.2	1021	937.1	12.9	6819.4
10/01/2020 11:45	5.6	8.3	1021.6	937.1	12.9	6819.4
10/01/2020 12:00	5.6	8.6	1021.5	937.4	12.9	6818.4
10/01/2020 12:15	5.6	8.7	1021.5	937.3	12.9	6818.9
10/01/2020 12:30	5.6	8.6	1021.5	937.1	12.9	6819.4
10/01/2020 12:45	5.6	8.3	1022.3	937.1	12.9	6819.4
10/01/2020 13:00	5.6	8.2	1022	937.1	12.9	6819.4
10/01/2020 13:15	5.6	8.4	1022.3	937.1	12.9	6819.4
10/01/2020 13:30	5.6	8.4	1021.9	937.1	12.9	6819.4
10/01/2020 13:45	5.6	8.1	1022.3	937	12.9	6819.9
10/01/2020 14:00	5.6	7.8	1023.2	937.1	12.9	6819.4

10/01/2020 14:15	5.6	7.6	1023.2	937.1	12.9	6819.4
10/01/2020 14:30	5.6	7.4	1023.7	937	12.9	6819.9
10/01/2020 14:45	5.6	7.2	1024.1	937.1	12.9	6819.4
10/01/2020 15:00	5.6	7	1024.2	937	12.9	6819.9
10/01/2020 15:15	5.6	6.8	1024.6	937.1	12.9	6819.4
10/01/2020 15:30	5.6	6.5	1024.5	936.8	12.9	6820.5
10/01/2020 15:45	5.7	6.1	1024.7	937.1	12.9	6819.4
10/01/2020 16:00	5.7	5.6	1024.8	937.1	12.9	6819.4
10/01/2020 16:15	5.7	5.2	1025.5	937.1	12.9	6819.4
10/01/2020 16:30	5.7	4.7	1025.4	936.6	12.9	6821
10/01/2020 16:45	5.7	4.2	1025.8	937.1	12.9	6819.4
10/01/2020 17:00	5.7	3.8	1025.9	936.8	12.9	6820.5
10/01/2020 17:15	5.7	3.5	1026.1	936.8	12.9	6820.5
10/01/2020 17:30	5.7	3.3	1025.8	937.1	12.9	6819.4
10/01/2020 17:45	5.7	3	1025.9	937	12.9	6819.9
10/01/2020 18:00	5.7	2.8	1026.1	937.1	12.9	6819.4
10/01/2020 18:15	5.7	2.7	1025.8	937.3	12.9	6818.9
10/01/2020 18:30	5.7	2.6	1026.3	937.1	12.9	6819.4
10/01/2020 18:45	5.7	2.3	1026.6	937.1	12.9	6819.4
10/01/2020 19:00	5.7	2.1	1026.9	937.1	12.9	6819.4
10/01/2020 19:15	5.7	2	1026.6	937.3	12.9	6818.9
10/01/2020 19:30	5.7	1.9	1026.9	937.6	12.9	6817.8
10/01/2020 19:45	5.7	1.8	1026.9	937.3	12.9	6818.9
10/01/2020 20:00	5.7	1.8	1027.3	937.3	12.9	6818.9
10/01/2020 20:15	5.7	1.8	1027.4	937.1	12.9	6819.4
10/01/2020 20:30	5.7	1.7	1027.4	937.3	12.9	6818.9
10/01/2020 20:45	5.7	1.6	1027.5	937.3	12.9	6818.9
10/01/2020 21:00	5.7	1.5	1027.4	937.3	12.9	6818.9
10/01/2020 21:15	5.7	1.5	1027.8	937.3	12.9	6818.9
10/01/2020 21:30	5.7	1.6	1027.7	937.4	12.9	6818.4
10/01/2020 21:45	5.7	1.7	1027.6	937.3	12.9	6818.9
10/01/2020 22:00	5.7	1.8	1027.5	937.4	12.9	6818.4
10/01/2020 22:15	5.7	2	1027.2	937.4	12.9	6818.4
10/01/2020 22:30	5.7	2.2	1027.2	937.4	12.9	6818.4
10/01/2020 22:45	5.7	2.3	1027.1	937.3	12.9	6818.9
10/01/2020 23:00	5.7	2.4	1026.9	937.1	12.9	6819.4
10/01/2020 23:15	5.7	2.7	1027.1	937.3	12.9	6818.9
10/01/2020 23:30	5.7	3	1027	937.3	12.9	6818.9
10/01/2020 23:45	5.7	3.3	1026.8	937.3	12.9	6818.9
11/01/2020 00:00	5.7	3.5	1026.4	937.4	12.9	6818.4
11/01/2020 00:15	5.7	3.6	1026.7	937.3	12.9	6818.9
11/01/2020 00:30	5.7	3.8	1026.4	937.1	12.9	6819.4
11/01/2020 00:45	5.7	4	1026.5	937.1	12.9	6819.4
11/01/2020 01:00	5.7	4.2	1026.4	937.1	12.9	6819.4
11/01/2020 01:15	5.7	4.3	1025.9	936.8	12.9	6820.5
11/01/2020 01:30	5.7	4.4	1026.5	936.8	12.9	6820.5
11/01/2020 01:45	5.7	4.4	1026.4	937.3	12.9	6818.9
11/01/2020 02:00	5.7	4.4	1026.4	937.1	12.9	6819.4
11/01/2020 02:15	5.7	4.4	1026	937.1	12.9	6819.4
11/01/2020 02:30	5.7	4.4	1025.6	936.8	12.9	6820.5

11/01/2020 02:45	5.7	4.5	1025.5	936.8	12.9	6820.5
11/01/2020 03:00	5.7	4.5	1024.8	936.8	12.9	6820.5
11/01/2020 03:15	5.7	4.7	1025	936.8	12.9	6820.5
11/01/2020 03:30	5.7	4.9	1024.6	936.8	12.9	6820.5
11/01/2020 03:45	5.7	5.2	1024.7	936.8	12.9	6820.5
11/01/2020 04:00	5.7	5.4	1024.6	936.5	12.9	6821.5
11/01/2020 04:15	5.7	5.5	1024.5	936.5	12.9	6821.5
11/01/2020 04:30	5.7	5.8	1024.5	936.6	12.9	6821
11/01/2020 04:45	5.7	5.9	1024.3	936.6	12.9	6821
11/01/2020 05:00	5.7	6.1	1024	936.6	12.9	6821
11/01/2020 05:15	5.7	6.3	1024	936.6	12.9	6821
11/01/2020 05:30	5.6	6.5	1024	936.6	12.9	6821
11/01/2020 05:45	5.6	6.5	1023.8	936.6	12.9	6821
11/01/2020 06:00	5.6	6.6	1023.6	936.6	12.9	6821
11/01/2020 06:15	5.6	6.7	1023.5	936.8	12.9	6820.5
11/01/2020 06:30	5.6	6.8	1023.3	936.8	12.9	6820.5
11/01/2020 06:45	5.6	6.9	1023.5	936.6	12.9	6821
11/01/2020 07:00	5.6	7	1023	936.6	12.9	6821
11/01/2020 07:15	5.6	7.1	1022.9	936.8	12.9	6820.5
11/01/2020 07:30	5.6	7.2	1022.8	936.8	12.9	6820.5
11/01/2020 07:45	5.6	7.4	1022.6	936.8	12.9	6820.5
11/01/2020 08:00	5.6	7.5	1022.6	936.8	12.9	6820.5
11/01/2020 08:15	5.6	7.7	1022.3	936.8	12.9	6820.5
11/01/2020 08:30	5.6	7.8	1022.4	937	12.9	6819.9
11/01/2020 08:45	5.6	7.9	1022.1	936.8	12.9	6820.5
11/01/2020 09:00	5.6	8.1	1022.2	936.8	12.9	6820.5
11/01/2020 09:15	5.6	8.3	1022.3	936.8	12.9	6820.5
11/01/2020 09:30	5.6	8.5	1022.2	937	12.9	6819.9
11/01/2020 09:45	5.6	8.6	1022.5	936.8	12.9	6820.5
11/01/2020 10:00	5.6	8.9	1022.2	937	12.9	6819.9
11/01/2020 10:15	5.6	9.1	1022	937	12.9	6819.9
11/01/2020 10:30	5.6	9.3	1021.7	937	12.9	6819.9
11/01/2020 10:45	5.6	9.6	1021.3	937.1	12.9	6819.4
11/01/2020 11:00	5.6	9.9	1021.3	936.8	12.9	6820.5
11/01/2020 11:15	5.6	10.1	1021	936.8	12.9	6820.5
11/01/2020 11:30	5.6	10.3	1020.7	937	12.9	6819.9
11/01/2020 11:45	5.6	10.4	1020.6	937	12.9	6819.9
11/01/2020 12:00	5.6	10.6	1020.5	936.8	12.9	6820.5
11/01/2020 12:15	5.6	10.8	1020.4	937	12.9	6819.9
11/01/2020 12:30	5.6	10.9	1019.8	936.8	12.9	6820.5
11/01/2020 12:45	5.6	11	1019.5	936.8	12.9	6820.5
11/01/2020 13:00	5.6	11.1	1019.1	936.6	12.9	6821
11/01/2020 13:15	5.6	11.2	1018.9	936.6	12.9	6821
11/01/2020 13:30	5.6	11.2	1019	936.6	12.9	6821
11/01/2020 13:45	5.6	11.1	1019.1	936.5	12.9	6821.5
11/01/2020 14:00	5.6	11	1019.1	936.6	12.9	6821
11/01/2020 14:15	5.6	10.9	1019.3	936.6	12.9	6821
11/01/2020 14:30	5.6	10.8	1018.7	936.5	12.9	6821.5
11/01/2020 14:45	5.6	10.7	1018.8	936.5	12.9	6821.5
11/01/2020 15:00	5.6	10.4	1018.5	936.5	12.9	6821.5

11/01/2020 15:15	5.6	10.2	1018.4	936.5	12.9	6821.5
11/01/2020 15:30	5.6	10	1018.6	936.5	12.9	6821.5
11/01/2020 15:45	5.6	9.7	1018.5	936.3	12.9	6822
11/01/2020 16:00	5.6	9.4	1018.3	936.3	12.9	6822
11/01/2020 16:15	5.6	9.2	1018.6	936.6	12.9	6821
11/01/2020 16:30	5.6	9.1	1018.3	936.3	12.9	6822
11/01/2020 16:45	5.6	9.1	1018	936.5	12.9	6821.5
11/01/2020 17:00	5.6	9.2	1018.3	936.3	12.9	6822
11/01/2020 17:15	5.6	9.1	1018.2	936.5	12.9	6821.5
11/01/2020 17:30	5.6	9.1	1018.1	936.3	12.9	6822
11/01/2020 17:45	5.6	9.1	1018.3	936.3	12.9	6822
11/01/2020 18:00	5.6	9.1	1018.2	936.5	12.9	6821.5
11/01/2020 18:15	5.6	9	1018	936.3	12.9	6822
11/01/2020 18:30	5.6	9	1017.8	936.5	12.9	6821.5
11/01/2020 18:45	5.6	9.1	1018	936.6	12.9	6821
11/01/2020 19:00	5.6	9.2	1017.9	936.5	12.9	6821.5
11/01/2020 19:15	5.6	9.3	1017.9	936.5	12.9	6821.5
11/01/2020 19:30	5.6	9.4	1017.7	936.6	12.9	6821
11/01/2020 19:45	5.6	9.4	1017.8	936.8	12.9	6820.5
11/01/2020 20:00	5.6	9.4	1017.4	936.6	12.9	6821
11/01/2020 20:15	5.6	9.4	1017.5	936.6	12.9	6821
11/01/2020 20:30	5.6	9.5	1017.5	936.6	12.9	6821
11/01/2020 20:45	5.6	9.5	1017.6	936.8	12.9	6820.5
11/01/2020 21:00	5.6	9.6	1017.3	936.8	12.9	6820.5
11/01/2020 21:15	5.6	9.6	1017.2	936.8	12.9	6820.5
11/01/2020 21:30	5.6	9.6	1016.9	936.8	12.9	6820.5
11/01/2020 21:45	5.6	9.6	1016.5	936.8	12.9	6820.5
11/01/2020 22:00	5.6	9.6	1016.4	936.8	12.9	6820.5
11/01/2020 22:15	5.6	9.7	1016.3	937	12.9	6819.9
11/01/2020 22:30	5.6	9.7	1016.4	936.8	12.9	6820.5
11/01/2020 22:45	5.6	9.7	1016.3	936.8	12.9	6820.5
11/01/2020 23:00	5.6	9.7	1016	936.8	12.9	6820.5
11/01/2020 23:15	5.6	9.7	1015.9	936.8	12.9	6820.5
11/01/2020 23:30	5.6	9.7	1015.5	937	12.9	6819.9
11/01/2020 23:45	5.6	9.7	1015.5	937	12.9	6819.9
12/01/2020 00:00	5.6	9.7	1015.4	936.8	12.9	6820.5
12/01/2020 00:15	5.6	9.7	1015.3	936.6	12.9	6821
12/01/2020 00:30	5.6	9.8	1015.4	936.8	12.9	6820.5
12/01/2020 00:45	5.6	9.8	1014.9	936.6	12.9	6821
12/01/2020 01:00	5.6	9.8	1014.9	936.6	12.9	6821
12/01/2020 01:15	5.6	9.8	1014.8	936.8	12.9	6820.5
12/01/2020 01:30	5.6	9.8	1014.6	936.6	12.9	6821
12/01/2020 01:45	5.6	9.8	1014.6	936.6	12.9	6821
12/01/2020 02:00	5.6	9.8	1014.7	936.6	12.9	6821
12/01/2020 02:15	5.6	9.7	1014.3	936.3	12.9	6822
12/01/2020 02:30	5.6	9.7	1014.5	936.3	12.9	6822
12/01/2020 02:45	5.6	9.6	1014.3	936.3	12.9	6822
12/01/2020 03:00	5.6	9.4	1014	936.5	12.9	6821.5
12/01/2020 03:15	5.6	9.2	1013.7	936.3	12.9	6822
12/01/2020 03:30	5.6	9.1	1013.5	936.3	12.9	6822

12/01/2020 03:45	5.6	9.1	1013.6	936.2	12.9	6822.5
12/01/2020 04:00	5.6	9	1013.3	936.3	12.9	6822
12/01/2020 04:15	5.6	9	1013.3	936.3	12.9	6822
12/01/2020 04:30	5.6	9	1013.1	936.2	12.9	6822.5
12/01/2020 04:45	5.6	9	1013.2	936.3	12.9	6822
12/01/2020 05:00	5.6	9	1012.5	936.2	12.9	6822.5
12/01/2020 05:15	5.6	9	1012.4	936.2	12.9	6822.5
12/01/2020 05:30	5.6	9.1	1012.5	936.2	12.9	6822.5
12/01/2020 05:45	5.6	9	1012.1	936.5	12.9	6821.5
12/01/2020 06:00	5.6	9.1	1012.3	936.3	12.9	6822
12/01/2020 06:15	5.6	9	1012	936.3	12.9	6822
12/01/2020 06:30	5.6	9.1	1011.8	936.3	12.9	6822
12/01/2020 06:45	5.6	9.1	1011.8	936.3	12.9	6822
12/01/2020 07:00	5.6	9.1	1011.5	936.2	12.9	6822.5
12/01/2020 07:15	5.6	9.1	1011.5	936.5	12.9	6821.5
12/01/2020 07:30	5.6	9.1	1011.1	936.3	12.9	6822
12/01/2020 07:45	5.6	9.2	1011.2	936.5	12.9	6821.5
12/01/2020 08:00	5.6	9.3	1011.2	936.5	12.9	6821.5
12/01/2020 08:15	5.6	9.3	1011.2	936.5	12.9	6821.5
12/01/2020 08:30	5.6	9.4	1011.2	936.5	12.9	6821.5
12/01/2020 08:45	5.6	9.6	1011.2	936.6	12.9	6821
12/01/2020 09:00	5.6	9.8	1011.6	936.8	12.9	6820.5
12/01/2020 09:15	5.6	10.1	1011.6	936.8	12.9	6820.5
12/01/2020 09:30	5.6	10.4	1011.2	936.5	12.9	6821.5
12/01/2020 09:45	5.6	10.7	1011.5	936.6	12.9	6821
12/01/2020 10:00	5.6	11.3	1011.2	936.5	12.9	6821.5
12/01/2020 10:15	5.6	11.9	1011.6	936.6	12.9	6821
12/01/2020 10:30	5.6	12.2	1011.6	936.8	12.9	6820.5
12/01/2020 10:45	5.6	12.1	1011.7	936.8	12.9	6820.5
12/01/2020 11:00	5.6	11.8	1011.8	936.8	12.9	6820.5
12/01/2020 11:15	5.6	11.6	1011.9	936.8	12.9	6820.5
12/01/2020 11:30	5.6	11.5	1012.1	937	12.9	6819.9
12/01/2020 11:45	5.6	11.9	1012.1	936.8	12.9	6820.5
12/01/2020 12:00	5.6	12.3	1011.9	936.8	12.9	6820.5
12/01/2020 12:15	5.6	12.4	1012.2	936.6	12.9	6821
12/01/2020 12:30	5.6	12.3	1011.9	937	12.9	6819.9
12/01/2020 12:45	5.6	12.2	1012.2	937.1	12.9	6819.4
12/01/2020 13:00	5.6	12.2	1012.2	936.8	12.9	6820.5
12/01/2020 13:15	5.6	12.1	1012.3	936.8	12.9	6820.5
12/01/2020 13:30	5.6	12	1012.9	936.8	12.9	6820.5
12/01/2020 13:45	5.6	11.9	1013.1	937.1	12.9	6819.4
12/01/2020 14:00	5.6	11.6	1013.2	936.6	12.9	6821
12/01/2020 14:15	5.6	11.4	1013.7	936.6	12.9	6821
12/01/2020 14:30	5.6	11.1	1014.2	936.8	12.9	6820.5
12/01/2020 14:45	5.6	11	1014.4	936.5	12.9	6821.5
12/01/2020 15:00	5.6	10.9	1014.5	936.8	12.9	6820.5
12/01/2020 15:15	5.6	10.9	1014.5	936.6	12.9	6821
12/01/2020 15:30	5.6	10.7	1014.4	936.6	12.9	6821
12/01/2020 15:45	5.6	10.2	1014.6	936.6	12.9	6821
12/01/2020 16:00	5.6	9.7	1015.4	936.8	12.9	6820.5

12/01/2020 16:15	5.6	9.3	1015.8	936.6	12.9	6821
12/01/2020 16:30	5.6	9.1	1016	936.6	12.9	6821
12/01/2020 16:45	5.6	8.7	1016.1	936.6	12.9	6821
12/01/2020 17:00	5.6	8.3	1016.5	936.6	12.9	6821
12/01/2020 17:15	5.6	7.8	1016.5	936.5	12.9	6821.5
12/01/2020 17:30	5.6	7.6	1016.9	936.5	12.9	6821.5
12/01/2020 17:45	5.6	7.4	1017	936.5	12.9	6821.5
12/01/2020 18:00	5.6	7.2	1017	936.5	12.9	6821.5
12/01/2020 18:15	5.6	7	1017.3	936.5	12.9	6821.5
12/01/2020 18:30	5.6	6.9	1017.3	936.5	12.9	6821.5
12/01/2020 18:45	5.6	6.8	1017.3	936.6	12.9	6821
12/01/2020 19:00	5.6	6.7	1017.2	936.8	12.9	6820.5
12/01/2020 19:15	5.6	6.5	1017.4	936.8	12.9	6820.5
12/01/2020 19:30	5.6	6.2	1017.3	936.6	12.9	6821
12/01/2020 19:45	5.6	5.8	1017.8	937.1	12.9	6819.4
12/01/2020 20:00	5.7	5.4	1017.6	937.1	12.9	6819.4
12/01/2020 20:15	5.7	5	1017.4	936.8	12.9	6820.5
12/01/2020 20:30	5.7	4.7	1017.6	936.8	12.9	6820.5
12/01/2020 20:45	5.7	4.5	1017.5	936.8	12.9	6820.5
12/01/2020 21:00	5.7	4.3	1017.8	937.1	12.9	6819.4
12/01/2020 21:15	5.7	4.1	1017.9	936.8	12.9	6820.5
12/01/2020 21:30	5.7	4	1017.8	936.8	12.9	6820.5
12/01/2020 21:45	5.7	3.9	1017.6	937.1	12.9	6819.4
12/01/2020 22:00	5.7	3.8	1017.5	937.1	12.9	6819.4
12/01/2020 22:15	5.7	3.7	1017.7	937.1	12.9	6819.4
12/01/2020 22:30	5.7	3.7	1017.9	937.1	12.9	6819.4
12/01/2020 22:45	5.7	3.6	1017.8	937.1	12.9	6819.4
12/01/2020 23:00	5.7	3.6	1017.9	937.1	12.9	6819.4
12/01/2020 23:15	5.7	3.6	1017.6	937.1	12.9	6819.4
12/01/2020 23:30	5.7	3.6	1017.7	937.1	12.9	6819.4
12/01/2020 23:45	5.7	3.6	1017.3	937.3	12.9	6818.9
13/01/2020 00:00	5.7	3.7	1017.4	937.1	12.9	6819.4
13/01/2020 00:15	5.7	3.7	1017.5	937.1	12.9	6819.4
13/01/2020 00:30	5.7	3.8	1017	937.1	12.9	6819.4
13/01/2020 00:45	5.7	3.7	1017.2	937	12.9	6819.9
13/01/2020 01:00	5.7	3.8	1016.7	936.8	12.9	6820.5
13/01/2020 01:15	5.7	3.8	1016.8	936.8	12.9	6820.5
13/01/2020 01:30	5.7	3.9	1016.3	937	12.9	6819.9
13/01/2020 01:45	5.7	3.8	1016.5	937	12.9	6819.9
13/01/2020 02:00	5.7	3.8	1016.3	936.8	12.9	6820.5
13/01/2020 02:15	5.7	3.7	1015.9	936.5	12.9	6821.5
13/01/2020 02:30	5.7	3.6	1015.7	936.8	12.9	6820.5
13/01/2020 02:45	5.7	3.6	1015.6	936.5	12.9	6821.5
13/01/2020 03:00	5.7	3.7	1015.5	936.6	12.9	6821
13/01/2020 03:15	5.7	3.6	1015	936.5	12.9	6821.5
13/01/2020 03:30	5.7	3.5	1015	936.6	12.9	6821
13/01/2020 03:45	5.7	3.5	1015	936.5	12.9	6821.5
13/01/2020 04:00	5.7	3.4	1014.9	936.5	12.9	6821.5
13/01/2020 04:15	5.7	3.5	1014.6	936.5	12.9	6821.5
13/01/2020 04:30	5.7	3.8	1014.3	936.3	12.9	6822

13/01/2020 04:45	5.7	4.1	1014.5	936.5	12.9	6821.5
13/01/2020 05:00	5.7	4.4	1014.1	936.3	12.9	6822
13/01/2020 05:15	5.7	4.8	1014.2	936.5	12.9	6821.5
13/01/2020 05:30	5.7	5	1013.7	936.3	12.9	6822
13/01/2020 05:45	5.7	5.2	1013.6	936.2	12.9	6822.5
13/01/2020 06:00	5.7	5.3	1013.2	936.2	12.9	6822.5
13/01/2020 06:15	5.7	5.2	1012.9	936.2	12.9	6822.5
13/01/2020 06:30	5.7	5.2	1013.1	936.3	12.9	6822
13/01/2020 06:45	5.7	5.3	1012.8	936.2	12.9	6822.5
13/01/2020 07:00	5.7	5.4	1012.5	936.2	12.9	6822.5
13/01/2020 07:15	5.7	5.5	1012.5	936.2	12.9	6822.5
13/01/2020 07:30	5.7	5.5	1012.6	936.2	12.9	6822.5
13/01/2020 07:45	5.7	5.6	1012.8	936.3	12.9	6822
13/01/2020 08:00	5.7	5.6	1012.2	936.3	12.9	6822
13/01/2020 08:15	5.7	5.6	1012.2	936.3	12.9	6822
13/01/2020 08:30	5.6	5.7	1012.3	936.5	12.9	6821.5
13/01/2020 08:45	5.6	5.8	1011.9	936.5	12.9	6821.5
13/01/2020 09:00	5.6	5.9	1011.7	936.5	12.9	6821.5
13/01/2020 09:15	5.6	6.2	1011	936.5	12.9	6821.5
13/01/2020 09:30	5.6	6.5	1010.8	936.5	12.9	6821.5
13/01/2020 09:45	5.6	6.8	1010.7	936.5	12.9	6821.5
13/01/2020 10:00	5.6	7.2	1010.5	936.3	12.9	6822
13/01/2020 10:15	5.6	7.5	1010.2	936.5	12.9	6821.5
13/01/2020 10:30	5.6	7.7	1010.2	936.6	12.9	6821
13/01/2020 10:45	5.6	7.9	1009.6	936.6	12.9	6821
13/01/2020 11:00	5.6	8.1	1009.3	936.5	12.9	6821.5
13/01/2020 11:15	5.6	8.2	1008.7	936.6	12.9	6821
13/01/2020 11:30	5.6	8.4	1008.4	936.5	12.9	6821.5
13/01/2020 11:45	5.6	9	1008.1	936.6	12.9	6821
13/01/2020 12:00	5.6	9.4	1007.4	936.6	12.9	6821
13/01/2020 12:15	5.6	9.5	1007	936.6	12.9	6821
13/01/2020 12:30	5.6	9.5	1006.4	936.5	12.9	6821.5
13/01/2020 12:45	5.6	9.5	1006.4	936.5	12.9	6821.5
13/01/2020 13:00	5.6	9.6	1005.9	936.5	12.9	6821.5
13/01/2020 13:15	5.6	9.7	1005.7	936.5	12.9	6821.5
13/01/2020 13:30	5.6	9.9	1004.5	936.3	12.9	6822
13/01/2020 13:45	5.6	9.9	1004.6	936.3	12.9	6822
13/01/2020 14:00	5.6	9.8	1003.8	936.2	12.9	6822.5
13/01/2020 14:15	5.6	9.6	1003.4	936.3	12.9	6822
13/01/2020 14:30	5.6	9.4	1003.4	936.3	12.9	6822
13/01/2020 14:45	5.6	9.2	1002.7	936.3	12.9	6822
13/01/2020 15:00	5.6	9	1002.2	936.2	12.9	6822.5
13/01/2020 15:15	5.6	8.9	1001.8	936	12.9	6823.1
13/01/2020 15:30	5.6	8.9	1001	936	12.9	6823.1
13/01/2020 15:45	5.6	8.8	1000.5	935.8	12.9	6823.6
13/01/2020 16:00	5.6	8.7	1000	935.8	12.9	6823.6
13/01/2020 16:15	5.6	8.7	1000	935.8	12.9	6823.6
13/01/2020 16:30	5.6	8.7	999.7	935.5	12.9	6824.6
13/01/2020 16:45	5.6	8.8	999	935.8	12.9	6823.6
13/01/2020 17:00	5.6	8.9	998.6	935.5	12.9	6824.6

13/01/2020 17:15	5.6	9	998.7	935.5	12.9	6824.6
13/01/2020 17:30	5.6	9	998.5	935.7	12.9	6824.1
13/01/2020 17:45	5.6	9	997.9	935.5	12.9	6824.6
13/01/2020 18:00	5.6	9.1	997.3	935.5	12.9	6824.6
13/01/2020 18:15	5.6	9.2	996.9	935.5	12.9	6824.6
13/01/2020 18:30	5.6	9.3	996.6	935.3	12.9	6825.2
13/01/2020 18:45	5.6	9.5	996.2	935.5	12.9	6824.6
13/01/2020 19:00	5.6	9.7	995.8	935.3	12.9	6825.2
13/01/2020 19:15	5.6	9.9	995.5	935.5	12.9	6824.6
13/01/2020 19:30	5.6	9.9	995.3	935.5	12.9	6824.6
13/01/2020 19:45	5.6	9.9	995.4	935.5	12.9	6824.6
13/01/2020 20:00	5.6	9.8	994.3	935.3	12.9	6825.2
13/01/2020 20:15	5.6	9.8	994.3	935.3	12.9	6825.2
13/01/2020 20:30	5.6	9.8	994.1	935.2	12.9	6825.7
13/01/2020 20:45	5.6	9.8	994	935.3	12.9	6825.2
13/01/2020 21:00	5.6	9.8	993.5	935.5	12.9	6824.6
13/01/2020 21:15	5.6	9.9	993.3	935.5	12.9	6824.6
13/01/2020 21:30	5.6	9.9	993.1	935.5	12.9	6824.6
13/01/2020 21:45	5.6	9.9	993	935.3	12.9	6825.2
13/01/2020 22:00	5.6	10	992.7	935.3	12.9	6825.2
13/01/2020 22:15	5.6	10	992.4	935.3	12.9	6825.2
13/01/2020 22:30	5.6	10	992.8	935.5	12.9	6824.6
13/01/2020 22:45	5.6	10.1	992.4	935.5	12.9	6824.6
13/01/2020 23:00	5.6	10.1	992.3	935.5	12.9	6824.6
13/01/2020 23:15	5.6	10.1	992.2	935.5	12.9	6824.6
13/01/2020 23:30	5.6	10.2	993.3	935.5	12.9	6824.6
13/01/2020 23:45	5.6	9.9	993.7	935.5	12.9	6824.6
14/01/2020 00:00	5.6	9.4	993.9	935.5	12.9	6824.6
14/01/2020 00:15	5.6	9	993.9	935.5	12.9	6824.6
14/01/2020 00:30	5.6	8.7	993.9	935.5	12.9	6824.6
14/01/2020 00:45	5.6	8.4	993.8	935.5	12.9	6824.6
14/01/2020 01:00	5.6	8.3	994	935.5	12.9	6824.6
14/01/2020 01:15	5.6	8.1	993.9	935.7	12.9	6824.1
14/01/2020 01:30	5.6	8	994.1	935.5	12.9	6824.6
14/01/2020 01:45	5.6	7.8	994.7	935.5	12.9	6824.6
14/01/2020 02:00	5.6	7.8	994.2	935.5	12.9	6824.6
14/01/2020 02:15	5.6	7.7	994.2	935.5	12.9	6824.6
14/01/2020 02:30	5.6	7.5	994.3	935.5	12.9	6824.6
14/01/2020 02:45	5.6	7.4	994.3	935.3	12.9	6825.2
14/01/2020 03:00	5.6	7.4	994.5	935.3	12.9	6825.2
14/01/2020 03:15	5.6	7.3	994.9	935.3	12.9	6825.2
14/01/2020 03:30	5.6	7.2	994.5	935.3	12.9	6825.2
14/01/2020 03:45	5.6	7.1	994.7	935.3	12.9	6825.2
14/01/2020 04:00	5.6	7	994.9	935.3	12.9	6825.2
14/01/2020 04:15	5.6	6.9	994.9	935.3	12.9	6825.2
14/01/2020 04:30	5.6	6.9	995.3	935.2	12.9	6825.7
14/01/2020 04:45	5.6	6.9	995.2	935.3	12.9	6825.2
14/01/2020 05:00	5.6	6.8	995.3	935.2	12.9	6825.7
14/01/2020 05:15	5.6	6.8	995.8	935.2	12.9	6825.7
14/01/2020 05:30	5.6	6.8	995.7	935.2	12.9	6825.7

14/01/2020 05:45	5.6	6.7	996	935.2	12.9	6825.7
14/01/2020 06:00	5.6	6.5	996.4	935.2	12.9	6825.7
14/01/2020 06:15	5.6	6.4	996.5	935.2	12.9	6825.7
14/01/2020 06:30	5.6	6.4	996.3	935.3	12.9	6825.2
14/01/2020 06:45	5.6	6.4	996.4	935.2	12.9	6825.7
14/01/2020 07:00	5.6	6.4	996.2	935.2	12.9	6825.7
14/01/2020 07:15	5.6	6.5	996.3	935.2	12.9	6825.7
14/01/2020 07:30	5.6	6.5	996.6	935.2	12.9	6825.7
14/01/2020 07:45	5.6	6.5	996.4	935.3	12.9	6825.2
14/01/2020 08:00	5.6	6.5	996.5	935.2	12.9	6825.7
14/01/2020 08:15	5.6	6.6	996.4	935.5	12.9	6824.6
14/01/2020 08:30	5.6	6.7	996.4	935.5	12.9	6824.6
14/01/2020 08:45	5.6	6.9	996.4	935.3	12.9	6825.2
14/01/2020 09:00	5.6	7.3	996.7	935.5	12.9	6824.6
14/01/2020 09:15	5.6	7.6	996.9	935.5	12.9	6824.6
14/01/2020 09:30	5.6	7.8	996.9	935.5	12.9	6824.6
14/01/2020 09:45	5.6	8	996.8	935.5	12.9	6824.6
14/01/2020 10:00	5.6	8.2	996.4	935.5	12.9	6824.6
14/01/2020 10:15	5.6	8.6	996.7	935.7	12.9	6824.1
14/01/2020 10:30	5.6	8.8	996.2	935.5	12.9	6824.6
14/01/2020 10:45	5.6	9.1	996.2	935.7	12.9	6824.1
14/01/2020 11:00	5.6	9.3	995.9	935.8	12.9	6823.6
14/01/2020 11:15	5.6	9.4	995.1	935.8	12.9	6823.6
14/01/2020 11:30	5.6	9.4	995.3	936	12.9	6823.1
14/01/2020 11:45	5.6	9.5	994.9	935.8	12.9	6823.6
14/01/2020 12:00	5.6	9.7	994.6	935.8	12.9	6823.6
14/01/2020 12:15	5.6	9.8	994.2	935.8	12.9	6823.6
14/01/2020 12:30	5.6	9.9	993.8	935.8	12.9	6823.6
14/01/2020 12:45	5.6	10.1	993.4	936	12.9	6823.1
14/01/2020 13:00	5.6	10.2	992.8	935.8	12.9	6823.6
14/01/2020 13:15	5.6	10.3	992.6	935.8	12.9	6823.6
14/01/2020 13:30	5.6	10.4	992.2	935.8	12.9	6823.6
14/01/2020 13:45	5.6	10.4	992.2	935.8	12.9	6823.6
14/01/2020 14:00	5.6	10.4	991.4	935.8	12.9	6823.6
14/01/2020 14:15	5.6	10.4	990.9	935.8	12.9	6823.6
14/01/2020 14:30	5.6	10.5	990.8	936	12.9	6823.1
14/01/2020 14:45	5.6	10.6	990.7	935.8	12.9	6823.6
14/01/2020 15:00	5.6	10.8	990.3	935.8	12.9	6823.6
14/01/2020 15:15	5.6	11	990.2	935.5	12.9	6824.6
14/01/2020 15:30	5.6	11.1	990.1	935.5	12.9	6824.6
14/01/2020 15:45	5.6	11.2	990.2	935.5	12.9	6824.6
14/01/2020 16:00	5.6	11.3	990.1	935.5	12.9	6824.6
14/01/2020 16:15	5.6	11.4	990.2	935.5	12.9	6824.6
14/01/2020 16:30	5.6	11.5	990.4	935.5	12.9	6824.6
14/01/2020 16:45	5.6	11.5	990.4	935.3	12.9	6825.2
14/01/2020 17:00	5.6	11.6	990.3	935.5	12.9	6824.6
14/01/2020 17:15	5.6	11.7	990.7	935.3	12.9	6825.2
14/01/2020 17:30	5.6	11.7	990.6	935.3	12.9	6825.2
14/01/2020 17:45	5.6	11.7	990.5	935.3	12.9	6825.2
14/01/2020 18:00	5.6	11.7	990.9	935.3	12.9	6825.2

14/01/2020 18:15	5.6	11.7	991	935.5	12.9	6824.6
14/01/2020 18:30	5.6	11.7	990.9	935.3	12.9	6825.2
14/01/2020 18:45	5.6	11.8	991	935.3	12.9	6825.2
14/01/2020 19:00	5.6	11.8	991	935.3	12.9	6825.2
14/01/2020 19:15	5.6	11.9	991.3	935.3	12.9	6825.2
14/01/2020 19:30	5.6	11.9	991.6	935.5	12.9	6824.6
14/01/2020 19:45	5.6	11.9	991.6	935.3	12.9	6825.2
14/01/2020 20:00	5.6	12	991.8	935.3	12.9	6825.2
14/01/2020 20:15	5.6	12	991.8	935.5	12.9	6824.6
14/01/2020 20:30	5.6	12	991.6	935.3	12.9	6825.2
14/01/2020 20:45	5.6	12.1	991.8	935.5	12.9	6824.6
14/01/2020 21:00	5.6	12.1	992.1	935.5	12.9	6824.6
14/01/2020 21:15	5.6	12.1	992.3	935.5	12.9	6824.6
14/01/2020 21:30	5.6	12.1	992.7	935.8	12.9	6823.6
14/01/2020 21:45	5.6	12.1	993	935.8	12.9	6823.6
14/01/2020 22:00	5.6	12.1	993.3	935.5	12.9	6824.6
14/01/2020 22:15	5.6	12.1	993.1	935.8	12.9	6823.6
14/01/2020 22:30	5.6	12.1	993.4	935.8	12.9	6823.6
14/01/2020 22:45	5.6	12.1	993.8	935.8	12.9	6823.6
14/01/2020 23:00	5.6	12	993.9	935.8	12.9	6823.6
14/01/2020 23:15	5.6	11.9	994.4	935.8	12.9	6823.6
14/01/2020 23:30	5.6	11.9	994.4	936	12.9	6823.1
14/01/2020 23:45	5.6	11.9	994.6	936	12.9	6823.1
15/01/2020 00:00	5.6	11.9	994.7	935.8	12.9	6823.6
15/01/2020 00:15	5.6	11.7	994.9	936	12.9	6823.1
15/01/2020 00:30	5.6	11.5	995	936	12.9	6823.1
15/01/2020 00:45	5.6	11.3	994.7	936	12.9	6823.1
15/01/2020 01:00	5.6	11.1	994.5	936	12.9	6823.1
15/01/2020 01:15	5.6	11.1	994.6	936.2	12.9	6822.5
15/01/2020 01:30	5.6	11.1	994.8	935.8	12.9	6823.6
15/01/2020 01:45	5.6	11.1	995	936	12.9	6823.1
15/01/2020 02:00	5.6	11.2	994.7	936	12.9	6823.1
15/01/2020 02:15	5.6	11.3	994.5	935.8	12.9	6823.6
15/01/2020 02:30	5.6	11.5	994.7	936	12.9	6823.1
15/01/2020 02:45	5.6	11.6	994.6	935.8	12.9	6823.6
15/01/2020 03:00	5.6	11.7	994.7	935.8	12.9	6823.6
15/01/2020 03:15	5.6	11.9	995	935.7	12.9	6824.1
15/01/2020 03:30	5.6	12	995.1	935.8	12.9	6823.6
15/01/2020 03:45	5.6	11.9	995.1	935.8	12.9	6823.6
15/01/2020 04:00	5.6	11.8	995.5	935.8	12.9	6823.6
15/01/2020 04:15	5.6	11.7	995.6	935.5	12.9	6824.6
15/01/2020 04:30	5.6	11.7	995.8	935.7	12.9	6824.1
15/01/2020 04:45	5.6	11.7	995.9	935.7	12.9	6824.1
15/01/2020 05:00	5.6	11.6	996.5	935.7	12.9	6824.1
15/01/2020 05:15	5.6	11.1	996.8	935.5	12.9	6824.6
15/01/2020 05:30	5.6	10.6	997.7	935.8	12.9	6823.6
15/01/2020 05:45	5.6	10.2	997.9	935.7	12.9	6824.1
15/01/2020 06:00	5.6	9.9	998	935.8	12.9	6823.6
15/01/2020 06:15	5.6	9.7	998.1	935.5	12.9	6824.6
15/01/2020 06:30	5.6	9.6	998.3	935.5	12.9	6824.6

15/01/2020 06:45	5.6	9.5	998.2	935.7	12.9	6824.1
15/01/2020 07:00	5.6	9.4	998.4	935.7	12.9	6824.1
15/01/2020 07:15	5.6	9.3	998.3	935.7	12.9	6824.1
15/01/2020 07:30	5.6	9.2	998.8	935.5	12.9	6824.6
15/01/2020 07:45	5.6	9.1	998.8	935.5	12.9	6824.6
15/01/2020 08:00	5.6	9.1	999.1	935.8	12.9	6823.6
15/01/2020 08:15	5.6	9	999.1	935.7	12.9	6824.1
15/01/2020 08:30	5.6	8.9	999.5	935.8	12.9	6823.6
15/01/2020 08:45	5.6	8.9	999.9	935.8	12.9	6823.6
15/01/2020 09:00	5.6	8.8	1000.1	935.8	12.9	6823.6
15/01/2020 09:15	5.6	8.8	1000.5	935.8	12.9	6823.6
15/01/2020 09:30	5.6	8.7	1000.9	936	12.9	6823.1
15/01/2020 09:45	5.6	8.6	1001.2	936	12.9	6823.1
15/01/2020 10:00	5.6	8.5	1001.8	936	12.9	6823.1
15/01/2020 10:15	5.6	8.4	1002.4	936	12.9	6823.1
15/01/2020 10:30	5.6	8.4	1002.3	936.2	12.9	6822.5
15/01/2020 10:45	5.6	8.4	1002.2	936.2	12.9	6822.5
15/01/2020 11:00	5.6	8.5	1002.4	936.2	12.9	6822.5
15/01/2020 11:15	5.6	8.6	1002.7	936.3	12.9	6822
15/01/2020 11:30	5.6	8.6	1002.9	936.3	12.9	6822
15/01/2020 11:45	5.6	8.5	1003	936.2	12.9	6822.5
15/01/2020 12:00	5.6	8.4	1003.2	936.2	12.9	6822.5
15/01/2020 12:15	5.6	8.4	1003.4	936.5	12.9	6821.5
15/01/2020 12:30	5.6	8.5	1003.3	936.3	12.9	6822
15/01/2020 12:45	5.6	8.6	1003.9	936.3	12.9	6822
15/01/2020 13:00	5.6	8.7	1004.1	936.6	12.9	6821
15/01/2020 13:15	5.6	8.8	1004.4	936.3	12.9	6822
15/01/2020 13:30	5.6	8.9	1004.5	936.5	12.9	6821.5
15/01/2020 13:45	5.6	8.9	1004.8	936.5	12.9	6821.5
15/01/2020 14:00	5.6	8.6	1005.3	936.5	12.9	6821.5
15/01/2020 14:15	5.6	8.4	1005.3	936.6	12.9	6821
15/01/2020 14:30	5.6	8.2	1005.8	936.3	12.9	6822
15/01/2020 14:45	5.6	8.1	1006.6	936.6	12.9	6821
15/01/2020 15:00	5.6	8	1006.7	936.8	12.9	6820.5
15/01/2020 15:15	5.6	7.8	1007	936.3	12.9	6822
15/01/2020 15:30	5.6	7.6	1007.5	936.5	12.9	6821.5
15/01/2020 15:45	5.6	7.4	1008	936.5	12.9	6821.5
15/01/2020 16:00	5.6	7.1	1007.9	936.5	12.9	6821.5
15/01/2020 16:15	5.6	6.7	1008.6	936.5	12.9	6821.5
15/01/2020 16:30	5.6	6.4	1009	936.5	12.9	6821.5
15/01/2020 16:45	5.6	6.1	1009.3	936.3	12.9	6822
15/01/2020 17:00	5.6	5.9	1009.8	936.5	12.9	6821.5
15/01/2020 17:15	5.6	5.7	1010.4	936.5	12.9	6821.5
15/01/2020 17:30	5.6	5.5	1010.5	936.3	12.9	6822
15/01/2020 17:45	5.6	5.4	1010.8	936.3	12.9	6822
15/01/2020 18:00	5.6	5.3	1011.1	936.5	12.9	6821.5
15/01/2020 18:15	5.6	5.3	1011.5	936.3	12.9	6822
15/01/2020 18:30	5.6	5.2	1011.7	936.5	12.9	6821.5
15/01/2020 18:45	5.6	5.1	1012.1	936.3	12.9	6822
15/01/2020 19:00	5.6	5.1	1012.2	936.3	12.9	6822

15/01/2020 19:15	5.6	5.2	1012.4	936.3	12.9	6822
15/01/2020 19:30	5.6	5.2	1012.5	936.3	12.9	6822
15/01/2020 19:45	5.6	5.3	1012.7	936.3	12.9	6822
15/01/2020 20:00	5.6	5.4	1013.2	936.3	12.9	6822
15/01/2020 20:15	5.6	5.4	1013.4	936.3	12.9	6822
15/01/2020 20:30	5.6	5.4	1013.8	936.5	12.9	6821.5
15/01/2020 20:45	5.6	5.4	1014	936.5	12.9	6821.5
15/01/2020 21:00	5.6	5.3	1014.1	936.6	12.9	6821
15/01/2020 21:15	5.6	5.3	1014.5	936.3	12.9	6822
15/01/2020 21:30	5.6	5.3	1014.6	936.6	12.9	6821
15/01/2020 21:45	5.6	5.3	1014.7	936.5	12.9	6821.5
15/01/2020 22:00	5.6	5.3	1015.1	936.6	12.9	6821
15/01/2020 22:15	5.6	5.2	1015.4	936.6	12.9	6821
15/01/2020 22:30	5.6	5.2	1015.6	936.5	12.9	6821.5
15/01/2020 22:45	5.6	5.1	1016	936.6	12.9	6821
15/01/2020 23:00	5.6	5	1016.3	936.6	12.9	6821
15/01/2020 23:15	5.6	5	1016.4	936.8	12.9	6820.5
15/01/2020 23:30	5.6	4.9	1016.7	936.6	12.9	6821
15/01/2020 23:45	5.6	4.8	1016.8	936.8	12.9	6820.5
16/01/2020 00:00	5.6	4.8	1016.7	937	12.9	6819.9
16/01/2020 00:15	5.6	4.8	1016.8	937.1	12.9	6819.4
16/01/2020 00:30	5.6	4.9	1016.7	937.1	12.9	6819.4
16/01/2020 00:45	5.6	4.9	1016.8	936.8	12.9	6820.5
16/01/2020 01:00	5.6	4.9	1017	937.1	12.9	6819.4
16/01/2020 01:15	5.6	4.9	1017.2	937	12.9	6819.9
16/01/2020 01:30	5.6	4.8	1017.3	937	12.9	6819.9
16/01/2020 01:45	5.6	4.8	1017.2	937.3	12.9	6818.9
16/01/2020 02:00	5.6	4.8	1017.6	937.1	12.9	6819.4
16/01/2020 02:15	5.6	5	1017.6	937.1	12.9	6819.4
16/01/2020 02:30	5.6	5.1	1017.8	937.1	12.9	6819.4
16/01/2020 02:45	5.6	5.3	1017.9	937.1	12.9	6819.4
16/01/2020 03:00	5.6	5.4	1018.3	937.1	12.9	6819.4
16/01/2020 03:15	5.6	5.6	1018.3	937.1	12.9	6819.4
16/01/2020 03:30	5.6	5.6	1018.3	937.1	12.9	6819.4
16/01/2020 03:45	5.6	5.6	1018.4	937.1	12.9	6819.4
16/01/2020 04:00	5.6	5.5	1018.3	937	12.9	6819.9
16/01/2020 04:15	5.6	5.4	1018.2	936.8	12.9	6820.5
16/01/2020 04:30	5.6	5.4	1018.4	937.1	12.9	6819.4
16/01/2020 04:45	5.6	5.3	1018.2	937.1	12.9	6819.4
16/01/2020 05:00	5.6	5.4	1018	936.8	12.9	6820.5
16/01/2020 05:15	5.6	5.4	1018.1	936.8	12.9	6820.5
16/01/2020 05:30	5.6	5.4	1018.2	936.6	12.9	6821
16/01/2020 05:45	5.6	5.6	1018	936.6	12.9	6821
16/01/2020 06:00	5.6	5.8	1018	936.8	12.9	6820.5
16/01/2020 06:15	5.6	6	1018.1	936.8	12.9	6820.5
16/01/2020 06:30	5.6	6.2	1017.7	936.6	12.9	6821
16/01/2020 06:45	5.6	6.3	1017.4	936.6	12.9	6821
16/01/2020 07:00	5.6	6.4	1017.7	936.6	12.9	6821
16/01/2020 07:15	5.6	6.4	1017.5	936.3	12.9	6822
16/01/2020 07:30	5.6	6.5	1017.4	936.5	12.9	6821.5

16/01/2020 07:45	5.6	6.7	1017.3	936.5	12.9	6821.5
16/01/2020 08:01	5.9	8.1	1017.5	936.5	12.9	6821.5
16/01/2020 08:15	5.6	7.7	1017	936.3	12.9	6822
16/01/2020 08:30	5.6	7.6	1017	936.5	12.9	6821.5
16/01/2020 08:45	5.6	7.6	1016.9	936.5	12.9	6821.5
16/01/2020 09:00	5.6	7.7	1016.7	936.5	12.9	6821.5
16/01/2020 09:15	5.6	7.9	1016.3	936.5	12.9	6821.5
16/01/2020 09:30	5.6	8	1016.3	936.3	12.9	6822
16/01/2020 09:45	5.6	8.2	1016.3	936.5	12.9	6821.5
16/01/2020 10:00	5.6	8.4	1016.2	936.5	12.9	6821.5
16/01/2020 10:15	5.6	8.6	1016	936.6	12.9	6821
16/01/2020 10:30	5.6	8.8	1015.9	936.6	12.9	6821
16/01/2020 10:45	5.6	9	1015.9	936.5	12.9	6821.5
16/01/2020 11:00	5.6	9.3	1015.4	936.8	12.9	6820.5
16/01/2020 11:15	5.6	9.7	1014.9	936.6	12.9	6821
16/01/2020 11:30	5.6	10	1014.7	936.6	12.9	6821
16/01/2020 11:45	5.6	10.2	1014.6	936.6	12.9	6821
16/01/2020 12:00	5.6	10.1	1014.4	936.6	12.9	6821
16/01/2020 12:15	5.6	10.1	1013.9	936.5	12.9	6821.5
16/01/2020 12:30	5.6	10.1	1013.7	936.6	12.9	6821
16/01/2020 12:45	5.6	10.2	1013.4	936.6	12.9	6821
16/01/2020 13:00	5.6	10.3	1013	936.8	12.9	6820.5
16/01/2020 13:15	5.6	10.3	1012.5	936.8	12.9	6820.5
16/01/2020 13:30	5.6	10.6	1012.5	936.8	12.9	6820.5
16/01/2020 13:45	5.6	10.6	1012.2	936.6	12.9	6821
16/01/2020 14:00	5.6	10.6	1012.1	936.6	12.9	6821
16/01/2020 14:15	5.6	10.7	1011.7	936.8	12.9	6820.5
16/01/2020 14:30	5.6	10.5	1011.3	936.6	12.9	6821
16/01/2020 14:45	5.6	10.4	1011.1	936.6	12.9	6821
16/01/2020 15:00	5.6	10.2	1010.9	936.8	12.9	6820.5
16/01/2020 15:15	5.6	10.1	1010.7	936.6	12.9	6821
16/01/2020 15:30	5.6	10	1010.6	936.6	12.9	6821
16/01/2020 15:45	5.6	9.9	1010.5	936.6	12.9	6821
16/01/2020 16:00	5.6	9.9	1010.3	936.6	12.9	6821
16/01/2020 16:15	5.6	9.8	1010	936.5	12.9	6821.5
16/01/2020 16:30	5.6	9.7	1010.4	936.3	12.9	6822
16/01/2020 16:45	5.6	9.8	1010.5	936.6	12.9	6821
16/01/2020 17:00	5.6	9.8	1010.3	936.3	12.9	6822
16/01/2020 17:15	5.6	9.8	1010	936.3	12.9	6822
16/01/2020 17:30	5.6	9.9	1010.1	936.3	12.9	6822
16/01/2020 17:45	5.6	9.9	1009.8	936.5	12.9	6821.5
16/01/2020 18:00	5.6	10	1010.1	936.3	12.9	6822
16/01/2020 18:15	5.6	10.1	1009.8	936.5	12.9	6821.5
16/01/2020 18:30	5.6	10	1009.4	936.3	12.9	6822
16/01/2020 18:45	5.6	10	1009.5	936.3	12.9	6822
16/01/2020 19:00	5.6	9.9	1009.1	936.2	12.9	6822.5
16/01/2020 19:15	5.6	9.7	1008.9	936.3	12.9	6822
16/01/2020 19:30	5.6	9.5	1008.7	936.2	12.9	6822.5
16/01/2020 19:45	5.6	9.5	1008.5	936.2	12.9	6822.5
16/01/2020 20:00	5.6	9.5	1008.5	936.3	12.9	6822

16/01/2020 20:15	5.6	9.6	1008	936.2	12.9	6822.5
16/01/2020 20:30	5.6	9.8	1008.4	936.2	12.9	6822.5
16/01/2020 20:45	5.6	9.9	1008.1	936.2	12.9	6822.5
16/01/2020 21:00	5.6	9.9	1008.1	936.2	12.9	6822.5
16/01/2020 21:15	5.6	9.9	1008.2	936.2	12.9	6822.5
16/01/2020 21:30	5.6	9.9	1008.2	936	12.9	6823.1
16/01/2020 21:45	5.6	9.9	1008.2	936.2	12.9	6822.5
16/01/2020 22:00	5.6	10	1008.1	936.2	12.9	6822.5
16/01/2020 22:15	5.6	10.1	1008	936.2	12.9	6822.5
16/01/2020 22:30	5.6	10.2	1008.2	936.2	12.9	6822.5
16/01/2020 22:45	5.6	10.3	1008.3	936.3	12.9	6822
16/01/2020 23:00	5.6	10.3	1008.4	936	12.9	6823.1
16/01/2020 23:15	5.6	10.3	1008.1	936.2	12.9	6822.5
16/01/2020 23:30	5.6	10.2	1008	936	12.9	6823.1
16/01/2020 23:45	5.6	10.2	1008.1	936.3	12.9	6822
17/01/2020 00:00	5.6	10.2	1008.1	936.3	12.8	6822
17/01/2020 00:15	5.6	10.1	1008	936.2	12.9	6822.5
17/01/2020 00:30	5.6	10	1007.9	936.3	12.9	6822
17/01/2020 00:45	5.6	9.9	1008	936.3	12.9	6822
17/01/2020 01:00	5.6	9.8	1007.8	936.3	12.9	6822
17/01/2020 01:15	5.6	9.7	1008.1	936.5	12.9	6821.5
17/01/2020 01:30	5.6	9.6	1007.7	936.3	12.9	6822
17/01/2020 01:45	5.6	9.6	1007.5	936.3	12.9	6822
17/01/2020 02:00	5.6	9.5	1007.6	936.5	12.9	6821.5
17/01/2020 02:15	5.6	9.5	1007.5	936.3	12.9	6822
17/01/2020 02:30	5.6	9.4	1007.2	936.3	12.9	6822
17/01/2020 02:45	5.6	9.4	1007.4	936.5	12.9	6821.5
17/01/2020 03:00	5.6	9.4	1007.1	936.3	12.9	6822
17/01/2020 03:15	5.6	9.4	1007.4	936.3	12.9	6822
17/01/2020 03:30	5.6	9.4	1007.3	936.3	12.9	6822
17/01/2020 03:45	5.6	9.5	1007.3	936.5	12.9	6821.5
17/01/2020 04:00	5.6	9.5	1007.1	936.3	12.9	6822
17/01/2020 04:15	5.6	9.5	1006.6	936.5	12.9	6821.5
17/01/2020 04:30	5.6	9.6	1006.5	936.3	12.9	6822
17/01/2020 04:45	5.6	9.6	1006.3	936.3	12.9	6822
17/01/2020 05:00	5.6	9.5	1006.3	936.3	12.9	6822
17/01/2020 05:15	5.6	9.5	1006.3	936.3	12.9	6822
17/01/2020 05:30	5.6	9.4	1006.3	936.2	12.9	6822.5
17/01/2020 05:45	5.6	9.3	1006.4	936.2	12.9	6822.5
17/01/2020 06:00	5.6	9.3	1006.2	936	12.9	6823.1
17/01/2020 06:15	5.6	9.4	1005.9	936.2	12.9	6822.5
17/01/2020 06:30	5.6	9.4	1006.1	936.2	12.9	6822.5
17/01/2020 06:45	5.6	9.4	1006	936	12.9	6823.1
17/01/2020 07:00	5.6	9.4	1006.2	936.2	12.9	6822.5
17/01/2020 07:15	5.6	9.4	1006.3	936	12.9	6823.1
17/01/2020 07:30	5.6	9.4	1006.2	935.8	12.9	6823.6
17/01/2020 07:45	5.6	9.3	1006.3	936	12.9	6823.1
17/01/2020 08:00	5.6	9.1	1006.4	936	12.9	6823.1
17/01/2020 08:15	5.6	9	1006.5	936	12.9	6823.1
17/01/2020 08:30	5.6	9.1	1006.4	936	12.9	6823.1

17/01/2020 08:45	5.6	9.2	1006.4	936	12.9	6823.1
17/01/2020 09:00	5.6	9.3	1006.6	935.8	12.9	6823.6
17/01/2020 09:15	5.6	9.3	1006.7	935.8	12.9	6823.6
17/01/2020 09:30	5.6	9.4	1006.4	935.8	12.9	6823.6
17/01/2020 09:45	5.6	9.5	1006.6	935.8	12.9	6823.6
17/01/2020 10:00	5.6	9.6	1006.8	935.8	12.9	6823.6
17/01/2020 10:15	5.6	9.6	1007	936	12.9	6823.1
17/01/2020 10:30	5.6	9.7	1006.9	936	12.9	6823.1
17/01/2020 10:45	5.6	9.9	1006.7	935.8	12.9	6823.6
17/01/2020 11:00	5.6	10.1	1006.6	936	12.9	6823.1
17/01/2020 11:15	5.6	10.3	1006.5	936	12.9	6823.1
17/01/2020 11:30	5.6	10.6	1006.3	936	12.9	6823.1
17/01/2020 11:45	5.6	11.2	1006.2	936.2	12.9	6822.5
17/01/2020 12:00	5.6	11.5	1006.1	936.2	12.9	6822.5
17/01/2020 12:15	5.6	11.7	1005.7	936.2	12.9	6822.5
17/01/2020 12:30	5.6	12	1006.1	936.2	12.9	6822.5
17/01/2020 12:45	5.6	12.2	1005.9	936.3	12.9	6822
17/01/2020 13:00	5.6	12.2	1005.5	936.2	12.9	6822.5
17/01/2020 13:15	5.6	12	1005.8	936.2	12.9	6822.5
17/01/2020 13:30	5.6	11.8	1005.6	936.2	12.9	6822.5
17/01/2020 13:45	5.6	11.3	1006.1	936.3	12.9	6822
17/01/2020 14:00	5.6	11	1006.5	936.3	12.9	6822
17/01/2020 14:15	5.6	10.8	1006.8	936.3	12.9	6822
17/01/2020 14:30	5.6	10.5	1007.1	936.6	12.9	6821
17/01/2020 14:45	5.6	10.2	1007.7	936.6	12.9	6821
17/01/2020 15:00	5.6	9.8	1008.3	936.6	12.9	6821
17/01/2020 15:15	5.6	9.1	1008.9	936.5	12.9	6821.5
17/01/2020 15:30	5.6	8.5	1009.5	936.6	12.9	6821
17/01/2020 15:45	5.6	8.1	1009.7	936.6	12.9	6821
17/01/2020 16:00	5.6	7.7	1010.1	936.8	12.9	6820.5
17/01/2020 16:15	5.6	7.4	1010.6	936.8	12.9	6820.5
17/01/2020 16:30	5.6	7.1	1010.9	936.6	12.9	6821
17/01/2020 16:45	5.6	6.9	1011.7	936.8	12.9	6820.5
17/01/2020 17:00	5.6	6.6	1011.7	936.8	12.9	6820.5
17/01/2020 17:15	5.6	6.3	1012.3	936.8	12.9	6820.5
17/01/2020 17:30	5.6	5.9	1012.4	936.8	12.9	6820.5
17/01/2020 17:45	5.6	5.5	1012.8	936.6	12.9	6821
17/01/2020 18:00	5.6	5.2	1012.6	936.8	12.9	6820.5
17/01/2020 18:15	5.6	5	1013.2	936.8	12.9	6820.5
17/01/2020 18:30	5.6	4.8	1013.3	936.6	12.9	6821
17/01/2020 18:45	5.6	4.7	1013.3	936.6	12.9	6821
17/01/2020 19:00	5.6	4.6	1013.7	936.6	12.9	6821
17/01/2020 19:15	5.6	4.4	1013.8	936.6	12.9	6821
17/01/2020 19:30	5.6	4.4	1013.8	936.6	12.9	6821
17/01/2020 19:45	5.6	4.3	1014	936.8	12.9	6820.5
17/01/2020 20:00	5.6	4.2	1013.9	936.6	12.9	6821
17/01/2020 20:15	5.6	4	1014.2	936.6	12.9	6821
17/01/2020 20:30	5.6	3.9	1014.5	936.5	12.9	6821.5
17/01/2020 20:45	5.6	3.7	1014.7	936.6	12.9	6821
17/01/2020 21:00	5.6	3.6	1015.2	936.5	12.9	6821.5

17/01/2020 21:15	5.6	3.5	1015.2	936.5	12.9	6821.5
17/01/2020 21:30	5.7	3.3	1015.2	936.8	12.9	6820.5
17/01/2020 21:45	5.7	3.3	1015.4	936.8	12.9	6820.5
17/01/2020 22:00	5.7	3.2	1015.5	936.8	12.9	6820.5
17/01/2020 22:15	5.7	3.1	1015.4	936.6	12.9	6821
17/01/2020 22:30	5.7	3	1015.8	937	12.9	6819.9
17/01/2020 22:45	5.7	2.9	1015.9	936.6	12.9	6821
17/01/2020 23:00	5.7	2.8	1015.8	936.8	12.9	6820.5
17/01/2020 23:15	5.7	2.8	1016	936.8	12.9	6820.5
17/01/2020 23:30	5.7	2.7	1016.1	937.1	12.9	6819.4
17/01/2020 23:45	5.7	2.7	1016.3	936.6	12.9	6821
18/01/2020 00:00	5.7	2.7	1016.2	936.8	12.9	6820.5
18/01/2020 00:15	5.7	2.6	1016.6	936.8	12.9	6820.5
18/01/2020 00:30	5.7	2.5	1017	936.8	12.9	6820.5
18/01/2020 00:45	5.7	2.5	1017	937.1	12.9	6819.4
18/01/2020 01:00	5.7	2.5	1017	937.1	12.9	6819.4
18/01/2020 01:15	5.7	2.5	1017.3	937.1	12.9	6819.4
18/01/2020 01:30	5.7	2.4	1017.7	937.3	12.9	6818.9
18/01/2020 01:45	5.7	2.4	1017.6	937.3	12.9	6818.9
18/01/2020 02:00	5.7	2.5	1017.9	937.4	12.9	6818.4
18/01/2020 02:15	5.7	2.6	1018.1	937.1	12.9	6819.4
18/01/2020 02:30	5.7	2.6	1017.7	937.3	12.9	6818.9
18/01/2020 02:45	5.7	2.5	1018.2	937.3	12.9	6818.9
18/01/2020 03:00	5.7	2.3	1018.1	937.3	12.9	6818.9
18/01/2020 03:15	5.7	2.2	1018.2	937.3	12.9	6818.9
18/01/2020 03:30	5.7	2.1	1018.7	937.1	12.9	6819.4
18/01/2020 03:45	5.7	2.1	1018.5	937.1	12.9	6819.4
18/01/2020 04:00	5.7	2.1	1018.6	937.3	12.9	6818.9
18/01/2020 04:15	5.7	2.1	1018.7	937.1	12.9	6819.4
18/01/2020 04:30	5.7	2.1	1018.9	937.1	12.9	6819.4
18/01/2020 04:45	5.7	2	1018.7	937.4	12.9	6818.4
18/01/2020 05:00	5.7	1.9	1019.1	937.4	12.9	6818.4
18/01/2020 05:15	5.7	1.8	1019.5	937.3	12.9	6818.9
18/01/2020 05:30	5.7	1.6	1019.5	937.4	12.9	6818.4
18/01/2020 05:45	5.7	1.5	1019.6	937.4	12.9	6818.4
18/01/2020 06:00	5.7	1.5	1020.1	937.3	12.9	6818.9
18/01/2020 06:15	5.7	1.5	1020.3	937.3	12.9	6818.9
18/01/2020 06:30	5.7	1.6	1020.5	937.1	12.9	6819.4
18/01/2020 06:45	5.7	1.7	1020.2	937.4	12.9	6818.4
18/01/2020 07:00	5.7	1.7	1020.8	937.1	12.9	6819.4
18/01/2020 07:15	5.7	1.8	1021.2	937.3	12.9	6818.9
18/01/2020 07:30	5.7	1.9	1021.3	937.1	12.9	6819.4
18/01/2020 07:45	5.7	2	1021.5	937.1	12.9	6819.4
18/01/2020 08:00	5.7	2.1	1021.7	937.1	12.9	6819.4
18/01/2020 08:15	5.7	2.2	1022	937.3	12.9	6818.9
18/01/2020 08:30	5.7	2.3	1022.3	937.3	12.9	6818.9
18/01/2020 08:45	5.7	2.4	1022.3	937.1	12.9	6819.4
18/01/2020 09:00	5.7	2.6	1022.4	937.1	12.9	6819.4
18/01/2020 09:15	5.7	2.8	1022.5	936.8	12.9	6820.5
18/01/2020 09:30	5.7	3	1022.9	936.8	12.9	6820.5

18/01/2020 09:45	5.7	3.3	1023.1	937.1	12.9	6819.4
18/01/2020 10:00	5.6	3.6	1023.2	937.1	12.9	6819.4
18/01/2020 10:15	5.6	3.9	1022.8	937.1	12.9	6819.4
18/01/2020 10:30	5.6	4.2	1023.4	937	12.9	6819.9
18/01/2020 10:45	5.6	4.6	1023.3	937	12.9	6819.9
18/01/2020 11:00	5.6	4.9	1023.2	936.8	12.9	6820.5
18/01/2020 11:15	5.6	5.2	1023.3	937.1	12.9	6819.4
18/01/2020 11:30	5.6	5.6	1023.6	937	12.9	6819.9
18/01/2020 11:45	5.6	6.4	1023.7	936.8	12.9	6820.5
18/01/2020 12:00	5.6	6.8	1023.3	937.1	12.9	6819.4
18/01/2020 12:15	5.6	6.9	1023.5	937.1	12.9	6819.4
18/01/2020 12:30	5.6	6.9	1023.5	937.3	12.9	6818.9
18/01/2020 12:45	5.6	6.9	1023.6	937.3	12.9	6818.9
18/01/2020 13:00	5.6	6.8	1023.7	937.3	12.9	6818.9
18/01/2020 13:15	5.6	6.8	1024.1	937.1	12.9	6819.4
18/01/2020 13:30	5.6	6.7	1024	937.1	12.9	6819.4
18/01/2020 13:45	5.6	6.7	1024.4	937.3	12.9	6818.9
18/01/2020 14:00	5.6	6.6	1024.2	937.4	12.9	6818.4
18/01/2020 14:15	5.6	6.5	1024.5	937.3	12.9	6818.9
18/01/2020 14:30	5.6	6.4	1024.6	937.1	12.9	6819.4
18/01/2020 14:45	5.6	6.3	1025	937.3	12.9	6818.9
18/01/2020 15:00	5.6	6.2	1025.3	937.4	12.9	6818.4
18/01/2020 15:15	5.6	6	1025.5	937.1	12.9	6819.4
18/01/2020 15:30	5.6	5.8	1025.8	937.4	12.9	6818.4
18/01/2020 15:45	5.6	5.6	1026.1	937.3	12.9	6818.9
18/01/2020 16:00	5.6	5.2	1026.4	937.6	12.9	6817.8
18/01/2020 16:15	5.6	4.9	1026.6	937.4	12.9	6818.4
18/01/2020 16:30	5.6	4.4	1026.9	937.3	12.9	6818.9
18/01/2020 16:45	5.6	4	1027.3	937.4	12.9	6818.4
18/01/2020 17:00	5.6	3.7	1027.4	937.4	12.9	6818.4
18/01/2020 17:15	5.7	3.3	1027.9	937.6	12.9	6817.8
18/01/2020 17:30	5.7	2.9	1028.1	937.6	12.9	6817.8
18/01/2020 17:45	5.7	2.6	1028.1	937.3	12.9	6818.9
18/01/2020 18:00	5.7	2.3	1028.4	937.6	12.9	6817.8
18/01/2020 18:15	5.7	2.1	1028.7	937.6	12.9	6817.8
18/01/2020 18:30	5.7	1.9	1028.7	937.4	12.9	6818.4
18/01/2020 18:45	5.7	1.8	1029	937.6	12.9	6817.8
18/01/2020 19:00	5.7	1.7	1029.3	937.6	12.9	6817.8
18/01/2020 19:15	5.7	1.6	1029.5	937.4	12.9	6818.4
18/01/2020 19:30	5.7	1.5	1029.6	937.6	12.9	6817.8
18/01/2020 19:45	5.7	1.7	1030	937.6	12.9	6817.8
18/01/2020 20:00	5.7	1.7	1030.1	937.4	12.9	6818.4
18/01/2020 20:15	5.7	1.7	1029.9	937.6	12.9	6817.8
18/01/2020 20:30	5.7	1.7	1030.4	937.3	12.9	6818.9
18/01/2020 20:45	5.7	1.7	1030.4	937.4	12.9	6818.4
18/01/2020 21:00	5.7	1.8	1030.5	937.3	12.9	6818.9
18/01/2020 21:15	5.7	1.8	1030.5	937.4	12.9	6818.4
18/01/2020 21:30	5.7	1.9	1030.4	937.3	12.9	6818.9
18/01/2020 21:45	5.7	2	1030.8	937.3	12.9	6818.9
18/01/2020 22:00	5.7	2.1	1031	937.4	12.9	6818.4

18/01/2020 22:15	5.7	2.1	1031.3	937.3	12.9	6818.9
18/01/2020 22:30	5.7	2.1	1031.4	937.3	12.9	6818.9
18/01/2020 22:45	5.7	2	1031.5	937.3	12.9	6818.9
18/01/2020 23:00	5.7	2	1031.7	937.3	12.9	6818.9
18/01/2020 23:15	5.7	1.9	1032.1	937.4	12.9	6818.4
18/01/2020 23:30	5.7	1.9	1032.2	937.4	12.9	6818.4
18/01/2020 23:45	5.7	1.9	1032.3	937.6	12.9	6817.8
19/01/2020 00:00	5.7	1.8	1032.8	937.6	12.9	6817.8
19/01/2020 00:15	5.7	1.9	1033	937.6	12.9	6817.8
19/01/2020 00:30	5.7	1.9	1033.3	937.6	12.9	6817.8
19/01/2020 00:45	5.7	1.9	1033.3	937.6	12.9	6817.8
19/01/2020 01:00	5.7	1.9	1033.8	937.6	12.9	6817.8
19/01/2020 01:15	5.7	2	1033.9	937.4	12.9	6818.4
19/01/2020 01:30	5.7	2	1034.3	937.8	12.9	6817.3
19/01/2020 01:45	5.7	2.1	1034.6	937.8	12.9	6817.3
19/01/2020 02:00	5.7	2.2	1034.8	937.8	12.9	6817.3
19/01/2020 02:15	5.7	2.1	1034.8	937.8	12.9	6817.3
19/01/2020 02:30	5.7	2.1	1034.9	937.8	12.9	6817.3
19/01/2020 02:45	5.7	2	1035	937.8	12.9	6817.3
19/01/2020 03:00	5.7	2	1035.3	937.8	12.9	6817.3
19/01/2020 03:15	5.7	2	1035.2	938.1	12.9	6816.3
19/01/2020 03:30	5.7	2	1035.7	937.9	12.9	6816.8
19/01/2020 03:45	5.7	2.2	1035.5	938.1	12.9	6816.3
19/01/2020 04:00	5.7	2.3	1035.7	937.9	12.9	6816.8
19/01/2020 04:15	5.7	2.2	1035.7	937.9	12.9	6816.8
19/01/2020 04:30	5.7	2.2	1036.2	938.1	12.9	6816.3
19/01/2020 04:45	5.7	2.1	1036.2	937.9	12.9	6816.8
19/01/2020 05:00	5.7	2	1036.5	937.9	12.9	6816.8
19/01/2020 05:15	5.7	2	1036.5	937.9	12.9	6816.8
19/01/2020 05:30	5.7	1.9	1036.7	938.1	12.9	6816.3
19/01/2020 05:45	5.7	1.9	1037.1	938.1	12.9	6816.3
19/01/2020 06:00	5.7	1.8	1037.5	938.1	12.9	6816.3
19/01/2020 06:15	5.7	1.9	1037.9	938.1	12.9	6816.3
19/01/2020 06:30	5.7	1.9	1037.8	938.3	12.9	6815.8
19/01/2020 06:45	5.7	1.9	1038	937.9	12.9	6816.8
19/01/2020 07:00	5.7	1.8	1038.4	938.1	12.9	6816.3
19/01/2020 07:15	5.7	1.7	1038.7	938.1	12.9	6816.3
19/01/2020 07:30	5.7	1.7	1039	937.9	12.9	6816.8
19/01/2020 07:45	5.7	1.7	1039.2	938.1	12.9	6816.3
19/01/2020 08:00	5.7	1.8	1039.5	937.9	12.9	6816.8
19/01/2020 08:15	5.7	1.8	1039.8	937.9	12.9	6816.8
19/01/2020 08:30	5.7	2	1040.1	937.8	12.9	6817.3
19/01/2020 08:45	5.7	2.1	1040.3	937.9	12.9	6816.8
19/01/2020 09:00	5.7	2.3	1040.5	937.9	12.9	6816.8
19/01/2020 09:15	5.7	2.5	1040.8	937.9	12.9	6816.8
19/01/2020 09:30	5.7	2.8	1041.2	937.8	12.9	6817.3
19/01/2020 09:45	5.7	3.1	1041.2	937.6	12.9	6817.8
19/01/2020 10:00	5.6	3.5	1041.2	938.1	12.9	6816.3
19/01/2020 10:15	5.6	3.8	1041.4	937.8	12.9	6817.3
19/01/2020 10:30	5.6	4.2	1041.3	937.8	12.9	6817.3

19/01/2020 10:45	5.6	4.6	1041.3	937.9	12.9	6816.8
19/01/2020 11:00	5.6	4.9	1041.7	937.8	12.9	6817.3
19/01/2020 11:15	5.6	5.4	1041.7	937.6	12.9	6817.8
19/01/2020 11:30	5.6	5.9	1041.4	937.8	12.9	6817.3
19/01/2020 11:45	5.6	6.8	1041.8	937.8	12.9	6817.3
19/01/2020 12:00	5.6	7.3	1041.5	937.8	12.9	6817.3
19/01/2020 12:15	5.6	7.4	1041.9	937.8	12.9	6817.3
19/01/2020 12:30	5.6	7.8	1041.7	937.6	12.9	6817.8
19/01/2020 12:45	5.6	8.2	1041.8	937.6	12.9	6817.8
19/01/2020 13:00	5.6	8.5	1041.7	937.9	12.8	6816.8
19/01/2020 13:15	5.6	8.7	1041.8	937.8	12.9	6817.3
19/01/2020 13:30	5.6	8.7	1041.5	937.9	12.9	6816.8
19/01/2020 13:45	5.6	8.5	1041.5	937.9	12.9	6816.8
19/01/2020 14:00	5.6	8.3	1041.4	937.8	12.9	6817.3
19/01/2020 14:15	5.6	8.2	1042.1	937.9	12.9	6816.8
19/01/2020 14:30	5.6	8.1	1042.5	937.8	12.9	6817.3
19/01/2020 14:45	5.6	7.9	1042.4	937.9	12.9	6816.8
19/01/2020 15:00	5.6	7.6	1042.8	937.8	12.9	6817.3
19/01/2020 15:15	5.6	7.3	1043	937.9	12.9	6816.8
19/01/2020 15:30	5.6	7	1043	938.1	12.9	6816.3
19/01/2020 15:45	5.6	6.6	1043.1	938.1	12.9	6816.3
19/01/2020 16:00	5.6	6.2	1043.4	938.1	12.9	6816.3
19/01/2020 16:15	5.6	5.5	1043.8	938.1	12.9	6816.3
19/01/2020 16:30	5.6	4.9	1043.7	938.1	12.9	6816.3
19/01/2020 16:45	5.6	4.3	1043.9	938.1	12.9	6816.3
19/01/2020 17:00	5.6	3.8	1044.4	938.1	12.9	6816.3
19/01/2020 17:15	5.6	3.3	1044.8	938.1	12.9	6816.3
19/01/2020 17:30	5.7	2.9	1045.1	938.1	12.9	6816.3
19/01/2020 17:45	5.7	2.7	1045.3	937.9	12.9	6816.8
19/01/2020 18:00	5.7	2.3	1045.4	938.1	12.9	6816.3
19/01/2020 18:15	5.7	2	1045.4	938.3	12.9	6815.8
19/01/2020 18:30	5.7	1.8	1045.6	938.1	12.9	6816.3
19/01/2020 18:45	5.7	1.8	1045.5	938.4	12.9	6815.2
19/01/2020 19:00	5.7	1.8	1045.8	938.1	12.9	6816.3
19/01/2020 19:15	5.7	1.7	1045.5	938.1	12.9	6816.3
19/01/2020 19:30	5.7	1.7	1045.8	938.4	12.9	6815.2
19/01/2020 19:45	5.7	1.6	1046.2	938.1	12.9	6816.3
19/01/2020 20:00	5.7	1.6	1046.2	937.9	12.9	6816.8
19/01/2020 20:15	5.7	1.5	1046.1	938.1	12.9	6816.3
19/01/2020 20:30	5.7	1.4	1046.4	938.1	12.9	6816.3
19/01/2020 20:45	5.7	1.5	1046.3	938.1	12.9	6816.3
19/01/2020 21:00	5.7	1.7	1046.6	937.9	12.9	6816.8
19/01/2020 21:15	5.7	1.8	1046.4	938.1	12.9	6816.3
19/01/2020 21:30	5.7	1.9	1046.5	938.1	12.9	6816.3
19/01/2020 21:45	5.7	1.9	1046.4	937.8	12.9	6817.3
19/01/2020 22:00	5.7	1.8	1046.3	937.9	12.9	6816.8
19/01/2020 22:15	5.7	1.7	1046.2	937.9	12.9	6816.8
19/01/2020 22:30	5.7	1.6	1046.2	938.1	12.9	6816.3
19/01/2020 22:45	5.7	1.6	1046.5	937.9	12.9	6816.8
19/01/2020 23:00	5.7	1.6	1046.8	937.9	12.9	6816.8

19/01/2020 23:15	5.7	1.7	1046.6	937.9	12.9	6816.8
19/01/2020 23:30	5.7	1.8	1046.9	937.9	12.9	6816.8
19/01/2020 23:45	5.7	1.9	1046.3	937.9	12.9	6816.8
20/01/2020 00:00	5.7	2	1046.7	937.8	12.9	6817.3
20/01/2020 00:15	5.7	2.1	1046.4	938.1	12.9	6816.3
20/01/2020 00:30	5.7	2.2	1046.3	937.9	12.9	6816.8
20/01/2020 00:45	5.7	2.3	1046.5	937.9	12.9	6816.8
20/01/2020 01:00	5.7	2.4	1046.7	937.9	12.9	6816.8
20/01/2020 01:15	5.7	2.4	1046.4	937.6	12.9	6817.8
20/01/2020 01:30	5.7	2.4	1046.4	938.3	12.9	6815.8
20/01/2020 01:45	5.7	2.3	1046.5	937.8	12.9	6817.3
20/01/2020 02:00	5.7	2.1	1046.4	937.9	12.9	6816.8
20/01/2020 02:15	5.7	2	1046.8	937.8	12.9	6817.3
20/01/2020 02:30	5.7	2	1046.6	938.4	12.9	6815.2
20/01/2020 02:45	5.7	2	1046.4	938.3	12.9	6815.8
20/01/2020 03:00	5.7	2	1046.2	938.4	12.9	6815.2
20/01/2020 03:15	5.7	1.9	1046.3	938.1	12.9	6816.3
20/01/2020 03:30	5.7	1.9	1046.2	938.1	12.9	6816.3
20/01/2020 03:45	5.7	1.9	1046.3	938.1	12.9	6816.3
20/01/2020 04:00	5.7	2	1046.2	938.3	12.9	6815.8
20/01/2020 04:15	5.7	2	1046	938.4	12.9	6815.2
20/01/2020 04:30	5.7	2.1	1046.2	938.4	12.9	6815.2
20/01/2020 04:45	5.7	2.3	1046	938.1	12.9	6816.3
20/01/2020 05:00	5.7	2.3	1046.1	938.6	12.9	6814.7
20/01/2020 05:15	5.7	2.4	1046	938.4	12.9	6815.2
20/01/2020 05:30	5.7	2.5	1045.8	938.4	12.9	6815.2
20/01/2020 05:45	5.7	2.6	1045.7	938.3	12.9	6815.8
20/01/2020 06:00	5.7	2.7	1045.9	938.4	12.9	6815.2
20/01/2020 06:15	5.7	2.8	1045.8	938.1	12.9	6816.3
20/01/2020 06:30	5.7	2.8	1046	938.4	12.9	6815.2
20/01/2020 06:45	5.7	2.8	1046	938.4	12.9	6815.2
20/01/2020 07:00	5.7	2.8	1046	938.3	12.9	6815.8
20/01/2020 07:15	5.7	2.7	1045.8	937.9	12.9	6816.8
20/01/2020 07:30	5.7	2.6	1046	938.6	12.9	6814.7
20/01/2020 07:45	5.7	2.5	1045.9	938.3	12.9	6815.8
20/01/2020 08:00	5.7	2.5	1045.8	938.3	12.9	6815.8
20/01/2020 08:15	5.7	2.6	1045.9	938.3	12.9	6815.8
20/01/2020 08:30	5.7	2.8	1045.9	938.1	12.9	6816.3
20/01/2020 08:45	5.6	3	1045.7	938.4	12.9	6815.2
20/01/2020 09:00	5.6	3.3	1045.7	938.4	12.9	6815.2
20/01/2020 09:15	5.6	3.5	1045.7	938.6	12.9	6814.7
20/01/2020 09:30	5.6	3.7	1045.7	938.1	12.9	6816.3
20/01/2020 09:45	5.6	3.8	1045.8	938.3	12.9	6815.8
20/01/2020 10:00	5.6	4	1046	937.9	12.9	6816.8
20/01/2020 10:15	5.6	4.2	1045.9	938.1	12.9	6816.3
20/01/2020 10:30	5.6	4.4	1046	937.9	12.9	6816.8
20/01/2020 10:45	5.6	4.7	1045.6	937.9	12.9	6816.8
20/01/2020 11:00	5.6	5	1045.6	938.1	12.9	6816.3
20/01/2020 11:15	5.6	5.3	1045.6	937.8	12.9	6817.3
20/01/2020 11:30	5.6	5.7	1045.3	937.9	12.9	6816.8

20/01/2020 11:45	5.6	6.1	1045.1	938.1	12.9	6816.3
20/01/2020 12:00	5.6	6.4	1045.1	937.8	12.9	6817.3
20/01/2020 12:15	5.6	6.8	1045.1	937.9	12.9	6816.8
20/01/2020 12:30	5.6	6.9	1044.7	937.8	12.9	6817.3
20/01/2020 12:45	5.6	6.9	1045	937.9	12.9	6816.8
20/01/2020 13:00	5.6	6.6	1044.6	937.8	12.9	6817.3
20/01/2020 13:15	5.6	6.5	1044.4	938.1	12.9	6816.3
20/01/2020 13:30	5.6	6.3	1044.2	937.9	12.9	6816.8
20/01/2020 13:45	5.6	6.3	1044	937.8	12.9	6817.3
20/01/2020 14:00	5.6	6.3	1044.1	937.6	12.9	6817.8
20/01/2020 14:15	5.6	6.1	1044	937.9	12.9	6816.8
20/01/2020 14:30	5.6	6	1043.5	938.1	12.9	6816.3
20/01/2020 14:45	5.6	5.8	1043.6	937.9	12.9	6816.8
20/01/2020 15:00	5.6	5.7	1043.6	938.1	12.8	6816.3
20/01/2020 15:15	5.6	5.5	1043.9	938.1	12.9	6816.3
20/01/2020 15:30	5.6	5.2	1043.7	937.8	12.9	6817.3
20/01/2020 15:45	5.6	4.9	1043.6	938.1	12.9	6816.3
20/01/2020 16:00	5.6	4.6	1043.5	938.1	12.9	6816.3
20/01/2020 16:15	5.6	4.2	1043.6	938.1	12.9	6816.3
20/01/2020 16:30	5.6	3.7	1043.4	938.4	12.9	6815.2
20/01/2020 16:45	5.6	3.2	1043.5	938.1	12.9	6816.3
20/01/2020 17:00	5.7	2.8	1043.4	937.9	12.9	6816.8
20/01/2020 17:15	5.7	2.5	1043.3	938.1	12.9	6816.3
20/01/2020 17:30	5.7	2.2	1043.6	937.8	12.9	6817.3
20/01/2020 17:45	5.7	1.9	1043.5	938.1	12.9	6816.3
20/01/2020 18:00	5.7	1.6	1043.4	938.1	12.9	6816.3
20/01/2020 18:15	5.7	1.5	1043.6	938.1	12.9	6816.3
20/01/2020 18:30	5.7	1.3	1043.3	938.1	12.9	6816.3
20/01/2020 18:45	5.7	1.2	1043.7	938.1	12.9	6816.3
20/01/2020 19:00	5.7	1	1043.6	938.1	12.9	6816.3
20/01/2020 19:15	5.7	0.9	1043.3	938.1	12.9	6816.3
20/01/2020 19:30	5.7	0.8	1043.2	938.3	12.9	6815.8
20/01/2020 19:45	5.7	0.7	1043.2	938.1	12.9	6816.3
20/01/2020 20:00	5.7	0.6	1042.9	937.8	12.9	6817.3
20/01/2020 20:15	5.7	0.6	1043.1	938.3	12.9	6815.8
20/01/2020 20:30	5.7	0.6	1042.9	937.9	12.9	6816.8
20/01/2020 20:45	5.7	0.6	1043	938.1	12.9	6816.3
20/01/2020 21:00	5.7	0.5	1042.8	938.1	12.9	6816.3
20/01/2020 21:15	5.7	0.4	1042.8	938.1	12.9	6816.3
20/01/2020 21:30	5.7	0.4	1043	938.1	12.9	6816.3
20/01/2020 21:45	5.7	0.3	1042.9	937.9	12.9	6816.8
20/01/2020 22:00	5.7	0.2	1042.9	937.9	12.9	6816.8
20/01/2020 22:15	5.7	0.1	1042.7	938.1	12.9	6816.3
20/01/2020 22:30	5.7	0	1042.7	937.9	12.9	6816.8
20/01/2020 22:45	5.7	-0.1	1042.4	937.9	12.9	6816.8
20/01/2020 23:00	5.7	-0.2	1043	937.9	12.9	6816.8
20/01/2020 23:15	5.7	-0.3	1042.6	937.9	12.9	6816.8
20/01/2020 23:30	5.7	-0.4	1042.3	937.8	12.9	6817.3
20/01/2020 23:45	5.7	-0.4	1042.3	937.8	12.9	6817.3
21/01/2020 00:00	5.7	-0.4	1042.3	937.8	12.9	6817.3

21/01/2020 00:15	5.7	-0.4	1042.2	937.6	12.9	6817.8
21/01/2020 00:30	5.7	-0.4	1042	937.8	12.9	6817.3
21/01/2020 00:45	5.7	-0.5	1042.1	937.6	12.9	6817.8
21/01/2020 01:00	5.7	-0.5	1041.9	937.8	12.9	6817.3
21/01/2020 01:15	5.7	-0.6	1042.1	937.9	12.9	6816.8
21/01/2020 01:30	5.7	-0.6	1041.8	937.6	12.9	6817.8
21/01/2020 01:45	5.7	-0.7	1041.9	937.6	12.9	6817.8
21/01/2020 02:00	5.7	-0.7	1041.6	937.8	12.9	6817.3
21/01/2020 02:15	5.7	-0.8	1041.5	937.9	12.9	6816.8
21/01/2020 02:30	5.7	-0.7	1041.4	937.9	12.9	6816.8
21/01/2020 02:45	5.7	-0.7	1041.1	937.6	12.9	6817.8
21/01/2020 03:00	5.7	-0.7	1041.2	937.8	12.9	6817.3
21/01/2020 03:15	5.7	-0.7	1040.9	937.9	12.9	6816.8
21/01/2020 03:30	5.7	-0.8	1040.8	938.1	12.9	6816.3
21/01/2020 03:45	5.7	-0.8	1040.6	937.9	12.9	6816.8
21/01/2020 04:00	5.7	-0.7	1040.4	937.8	12.9	6817.3
21/01/2020 04:15	5.7	-0.7	1040.6	937.8	12.9	6817.3
21/01/2020 04:30	5.7	-0.7	1040.6	937.6	12.9	6817.8
21/01/2020 04:45	5.7	-0.8	1040.6	937.9	12.9	6816.8
21/01/2020 05:00	5.7	-0.7	1040.6	937.9	12.9	6816.8
21/01/2020 05:15	5.7	-0.7	1040.5	938.3	12.9	6815.8
21/01/2020 05:30	5.7	-0.7	1040.5	937.9	12.9	6816.8
21/01/2020 05:45	5.7	-0.7	1040.3	938.1	12.9	6816.3
21/01/2020 06:00	5.7	-0.7	1040.2	938.1	12.9	6816.3
21/01/2020 06:15	5.7	-0.7	1040.1	938.3	12.9	6815.8
21/01/2020 06:30	5.7	-0.7	1040.1	937.8	12.9	6817.3
21/01/2020 06:45	5.7	-0.7	1040.2	938.4	12.9	6815.2
21/01/2020 07:00	5.7	-0.7	1040.5	938.4	12.9	6815.2
21/01/2020 07:15	5.7	-0.8	1040.1	938.1	12.9	6816.3
21/01/2020 07:30	5.7	-0.8	1039.9	937.9	12.9	6816.8
21/01/2020 07:45	5.7	-0.8	1039.9	938.1	12.9	6816.3
21/01/2020 08:00	5.7	-0.8	1040.3	938.1	12.9	6816.3
21/01/2020 08:15	5.7	-0.8	1040.5	938.1	12.9	6816.3
21/01/2020 08:30	5.7	-0.6	1040.6	938.1	12.9	6816.3
21/01/2020 08:45	5.7	-0.4	1040.5	938.1	12.9	6816.3
21/01/2020 09:00	5.7	-0.2	1040.5	938.4	12.9	6815.2
21/01/2020 09:15	5.7	0.1	1040.5	937.9	12.9	6816.8
21/01/2020 09:30	5.7	0.4	1040.5	937.9	12.9	6816.8
21/01/2020 09:45	5.7	0.6	1040.2	937.9	12.9	6816.8
21/01/2020 10:00	5.7	0.9	1040.4	937.9	12.9	6816.8
21/01/2020 10:15	5.7	1.1	1040.5	937.8	12.9	6817.3
21/01/2020 10:30	5.7	1.5	1040.6	937.9	12.9	6816.8
21/01/2020 10:45	5.7	1.8	1040.4	937.9	12.9	6816.8
21/01/2020 11:00	5.7	2.1	1040.1	937.6	12.9	6817.8
21/01/2020 11:15	5.6	2.5	1040.1	937.9	12.9	6816.8
21/01/2020 11:30	5.6	3.1	1039.5	937.8	12.9	6817.3
21/01/2020 11:45	5.6	4.2	1039.1	937.8	12.9	6817.3
21/01/2020 12:00	5.6	4.8	1039	937.6	12.9	6817.8
21/01/2020 12:15	5.6	4.8	1039.1	937.8	12.9	6817.3
21/01/2020 12:30	5.6	4.9	1038.6	937.6	12.9	6817.8

21/01/2020 12:45	5.6	5.1	1038.5	937.8	12.9	6817.3
21/01/2020 13:00	5.6	5.1	1038.1	937.6	12.9	6817.8
21/01/2020 13:15	5.6	5.2	1037.8	937.6	12.9	6817.8
21/01/2020 13:30	5.6	5.3	1037.9	937.4	12.9	6818.4
21/01/2020 13:45	5.6	5.2	1037.9	937.8	12.9	6817.3
21/01/2020 14:00	5.6	5.1	1037.8	937.6	12.9	6817.8
21/01/2020 14:15	5.6	5.1	1037.8	937.8	12.9	6817.3
21/01/2020 14:30	5.6	5.1	1037.6	937.4	12.9	6818.4
21/01/2020 14:45	5.6	5.2	1037.4	937.6	12.9	6817.8
21/01/2020 15:00	5.6	5.3	1037.7	937.6	12.9	6817.8
21/01/2020 15:15	5.6	5.1	1037.4	937.4	12.9	6818.4
21/01/2020 15:30	5.6	4.8	1037.3	937.8	12.9	6817.3
21/01/2020 15:45	5.6	4.4	1037.7	937.8	12.9	6817.3
21/01/2020 16:00	5.6	3.9	1037.6	937.8	12.9	6817.3
21/01/2020 16:15	5.6	3.4	1037.8	937.9	12.9	6816.8
21/01/2020 16:30	5.6	3	1037.9	937.8	12.9	6817.3
21/01/2020 16:45	5.7	2.6	1037.7	937.9	12.9	6816.8
21/01/2020 17:00	5.7	2.2	1037.6	937.4	12.9	6818.4
21/01/2020 17:15	5.7	1.8	1037.6	937.8	12.9	6817.3
21/01/2020 17:30	5.7	1.5	1037.3	937.8	12.9	6817.3
21/01/2020 17:45	5.7	1.3	1037.4	937.8	12.9	6817.3
21/01/2020 18:00	5.7	1	1037.5	937.6	12.9	6817.8
21/01/2020 18:15	5.7	0.8	1037.6	937.8	12.9	6817.3
21/01/2020 18:30	5.7	0.6	1038	937.8	12.9	6817.3
21/01/2020 18:45	5.7	0.4	1038.3	937.8	12.9	6817.3
21/01/2020 19:00	5.7	0.3	1038.3	937.8	12.9	6817.3
21/01/2020 19:15	5.7	0.4	1038	937.8	12.9	6817.3
21/01/2020 19:30	5.7	0.5	1038.3	937.8	12.9	6817.3
21/01/2020 19:45	5.7	0.3	1037.8	937.9	12.9	6816.8
21/01/2020 20:00	5.7	0.2	1037.4	937.9	12.9	6816.8
21/01/2020 20:15	5.7	0.1	1037.4	937.8	12.9	6817.3
21/01/2020 20:30	5.7	0	1037.4	937.6	12.9	6817.8
21/01/2020 20:45	5.7	-0.1	1037.8	937.9	12.9	6816.8
21/01/2020 21:00	5.7	-0.2	1037.6	937.8	12.9	6817.3
21/01/2020 21:15	5.7	-0.3	1037.2	937.9	12.9	6816.8
21/01/2020 21:30	5.7	-0.3	1037.7	937.9	12.9	6816.8
21/01/2020 21:45	5.7	-0.3	1037.9	937.6	12.9	6817.8
21/01/2020 22:00	5.7	-0.4	1037.6	937.9	12.9	6816.8
21/01/2020 22:15	5.7	-0.4	1037.7	937.6	12.9	6817.8
21/01/2020 22:30	5.7	-0.4	1037.5	937.9	12.9	6816.8
21/01/2020 22:45	5.7	-0.5	1037.9	937.8	12.9	6817.3
21/01/2020 23:00	5.7	-0.5	1037.5	937.8	12.9	6817.3
21/01/2020 23:15	5.7	-0.5	1037.6	937.8	12.9	6817.3
21/01/2020 23:30	5.7	-0.4	1037.4	937.8	12.9	6817.3
21/01/2020 23:45	5.7	-0.4	1037.2	937.6	12.9	6817.8
22/01/2020 00:00	5.7	-0.5	1037	937.6	12.9	6817.8
22/01/2020 00:15	5.7	-0.5	1036.7	937.6	12.9	6817.8
22/01/2020 00:30	5.7	-0.5	1037	937.6	12.9	6817.8
22/01/2020 00:45	5.7	-0.5	1036.3	937.4	12.9	6818.4
22/01/2020 01:00	5.7	-0.5	1036.5	937.6	12.9	6817.8

22/01/2020 01:15	5.7	-0.5	1036.6	937.4	12.9	6818.4
22/01/2020 01:30	5.7	-0.5	1036.3	937.3	12.9	6818.9
22/01/2020 01:45	5.7	-0.4	1036.3	937.4	12.9	6818.4
22/01/2020 02:00	5.7	-0.4	1036.4	937.3	12.9	6818.9
22/01/2020 02:15	5.7	-0.3	1036.4	937.4	12.9	6818.4
22/01/2020 02:30	5.7	-0.3	1036.3	937.4	12.9	6818.4
22/01/2020 02:45	5.7	-0.1	1036.1	937.6	12.9	6817.8
22/01/2020 03:00	5.7	0	1035.9	937.6	12.9	6817.8
22/01/2020 03:15	5.7	0.1	1035.7	937.6	12.9	6817.8
22/01/2020 03:30	5.7	0.2	1035.7	937.4	12.9	6818.4
22/01/2020 03:45	5.7	0.2	1035.6	937.6	12.9	6817.8
22/01/2020 04:00	5.7	0.4	1035.7	937.4	12.9	6818.4
22/01/2020 04:15	5.7	0.6	1035.5	937.4	12.9	6818.4
22/01/2020 04:30	5.7	0.9	1035.3	937.6	12.9	6817.8
22/01/2020 04:45	5.7	1	1035.2	937.6	12.9	6817.8
22/01/2020 05:00	5.7	1.1	1035.5	937.4	12.9	6818.4
22/01/2020 05:15	5.7	1.2	1035.1	937.8	12.9	6817.3
22/01/2020 05:30	5.7	1.4	1035	937.4	12.9	6818.4
22/01/2020 05:45	5.7	1.5	1035	937.6	12.9	6817.8
22/01/2020 06:00	5.7	1.6	1035.1	937.6	12.9	6817.8
22/01/2020 06:15	5.7	1.7	1035	937.6	12.9	6817.8
22/01/2020 06:30	5.7	1.8	1035.2	937.8	12.9	6817.3
22/01/2020 06:45	5.7	1.9	1035.2	937.9	12.9	6816.8
22/01/2020 07:00	5.7	2	1035.2	937.8	12.9	6817.3
22/01/2020 07:15	5.7	2.1	1035.2	937.8	12.9	6817.3
22/01/2020 07:30	5.7	2.3	1035.1	937.9	12.9	6816.8
22/01/2020 07:45	5.7	2.3	1035.3	937.8	12.9	6817.3
22/01/2020 08:00	5.7	2.4	1035.4	938.1	12.9	6816.3
22/01/2020 08:15	5.6	2.5	1035.4	937.8	12.9	6817.3
22/01/2020 08:30	5.6	2.7	1035.6	937.9	12.9	6816.8
22/01/2020 08:45	5.6	2.8	1035.5	937.9	12.9	6816.8
22/01/2020 09:00	5.6	3	1035.5	937.8	12.9	6817.3
22/01/2020 09:15	5.6	3.1	1035.5	937.8	12.9	6817.3
22/01/2020 09:30	5.6	3.4	1035.5	937.8	12.9	6817.3
22/01/2020 09:45	5.6	3.8	1035.6	937.9	12.9	6816.8
22/01/2020 10:00	5.6	4.2	1035.5	937.8	12.9	6817.3
22/01/2020 10:15	5.6	4.7	1035.6	937.8	12.9	6817.3
22/01/2020 10:30	5.6	5.3	1035.2	937.8	12.9	6817.3
22/01/2020 10:45	5.6	5.9	1035.2	937.9	12.9	6816.8
22/01/2020 11:00	5.6	6.4	1035.3	937.8	12.9	6817.3
22/01/2020 11:15	5.6	6.9	1035.1	937.8	12.9	6817.3
22/01/2020 11:30	5.6	7.4	1034.7	937.6	12.9	6817.8
22/01/2020 11:45	5.6	7.7	1034.6	937.7	12.8	6817.3
22/01/2020 12:00	5.6	7.9	1034.8	937.6	12.9	6817.8
22/01/2020 12:15	5.6	8.1	1034.6	937.6	12.9	6817.8
22/01/2020 12:30	5.6	8.2	1034.4	937.4	12.9	6818.4
22/01/2020 12:45	5.6	8.2	1034.3	937.4	12.9	6818.4
22/01/2020 13:00	5.6	8.2	1034.1	937.6	12.9	6817.8
22/01/2020 13:15	5.6	8.2	1034	937.4	12.8	6818.4
22/01/2020 13:30	5.6	8.2	1034.2	937.4	12.9	6818.4

22/01/2020 13:45	5.6	8.2	1034.1	937.3	12.9	6818.9
22/01/2020 14:00	5.6	8.1	1033.8	937.4	12.9	6818.4
22/01/2020 14:15	5.6	8.1	1034	937.4	12.9	6818.4
22/01/2020 14:30	5.6	8.1	1034	937.4	12.9	6818.4
22/01/2020 14:45	5.6	8.1	1034.3	937.3	12.8	6818.9
22/01/2020 15:00	5.6	8	1034.1	937.3	12.8	6818.9
22/01/2020 15:15	5.6	7.9	1034	937.6	12.9	6817.8
22/01/2020 15:30	5.6	7.8	1034.1	937.3	12.9	6818.9
22/01/2020 15:45	5.6	7.7	1033.8	937.3	12.9	6818.9
22/01/2020 16:00	5.6	7.6	1034.1	937.3	12.9	6818.9
22/01/2020 16:15	5.6	7.4	1034.4	937.4	12.9	6818.4
22/01/2020 16:30	5.6	7.3	1034.1	937.4	12.9	6818.4
22/01/2020 16:45	5.6	7.2	1034.3	937.6	12.9	6817.8
22/01/2020 17:00	5.6	7.1	1034.1	937.4	12.9	6818.4
22/01/2020 17:15	5.6	7	1034.2	937.6	12.9	6817.8
22/01/2020 17:30	5.6	6.9	1034.4	937.4	12.9	6818.4
22/01/2020 17:45	5.6	6.8	1033.9	937.8	12.9	6817.3
22/01/2020 18:00	5.6	6.8	1034.4	937.6	12.9	6817.8
22/01/2020 18:15	5.6	6.7	1034.4	937.6	12.9	6817.8
22/01/2020 18:30	5.6	6.7	1034.3	937.6	12.9	6817.8
22/01/2020 18:45	5.6	6.7	1034.3	937.6	12.9	6817.8
22/01/2020 19:00	5.6	6.7	1034.1	937.8	12.9	6817.3
22/01/2020 19:15	5.6	6.7	1034.3	937.8	12.9	6817.3
22/01/2020 19:30	5.6	6.7	1034.3	937.7	12.8	6817.3
22/01/2020 19:45	5.6	6.7	1034.3	937.8	12.9	6817.3
22/01/2020 20:00	5.6	6.7	1034.4	937.8	12.9	6817.3
22/01/2020 20:15	5.6	6.5	1034.3	937.9	12.9	6816.8
22/01/2020 20:30	5.6	6.4	1034.3	937.8	12.9	6817.3
22/01/2020 20:45	5.6	6.3	1034.3	937.8	12.9	6817.3
22/01/2020 21:00	5.6	6.2	1034.3	937.6	12.9	6817.8
22/01/2020 21:15	5.6	6.1	1034.1	937.8	12.9	6817.3
22/01/2020 21:30	5.6	6.1	1034.2	937.6	12.9	6817.8
22/01/2020 21:45	5.6	6.1	1034.1	937.8	12.9	6817.3
22/01/2020 22:00	5.6	6.1	1034.4	937.4	12.9	6818.4
22/01/2020 22:15	5.6	6.1	1034.2	937.8	12.9	6817.3
22/01/2020 22:30	5.6	6.1	1034	937.6	12.9	6817.8
22/01/2020 22:45	5.6	6.1	1034.2	937.6	12.9	6817.8
22/01/2020 23:00	5.6	6.1	1034.4	937.6	12.9	6817.8
22/01/2020 23:15	5.6	6.1	1034.2	937.6	12.9	6817.8
22/01/2020 23:30	5.6	6.1	1034.1	937.4	12.9	6818.4
22/01/2020 23:45	5.6	6.1	1034	937.6	12.9	6817.8
23/01/2020 00:00	5.6	6.1	1034	937.4	12.9	6818.4
23/01/2020 00:15	5.6	6.1	1033.7	937.3	12.9	6818.9
23/01/2020 00:30	5.6	6.2	1033.5	937.4	12.9	6818.4
23/01/2020 00:45	5.6	6.2	1033.5	937.4	12.9	6818.4
23/01/2020 01:00	5.6	6.2	1033.6	937.3	12.9	6818.9
23/01/2020 01:15	5.6	6.2	1033.2	937.3	12.9	6818.9
23/01/2020 01:30	5.6	6.3	1033.2	937.4	12.9	6818.4
23/01/2020 01:45	5.6	6.3	1033	937.3	12.9	6818.9
23/01/2020 02:00	5.6	6.3	1032.9	937.1	12.9	6819.4

23/01/2020 02:15	5.6	6.3	1033	937.4	12.9	6818.4
23/01/2020 02:30	5.6	6.3	1032.6	937.3	12.9	6818.9
23/01/2020 02:45	5.6	6.3	1032.7	937.4	12.9	6818.4
23/01/2020 03:00	5.6	6.3	1032.5	937.1	12.9	6819.4
23/01/2020 03:15	5.6	6.3	1032.4	937.1	12.9	6819.4
23/01/2020 03:30	5.6	6.4	1032.3	937.4	12.9	6818.4
23/01/2020 03:45	5.6	6.4	1031.9	937.1	12.9	6819.4
23/01/2020 04:00	5.6	6.4	1031.9	937.1	12.9	6819.4
23/01/2020 04:15	5.6	6.4	1031.6	937.1	12.9	6819.4
23/01/2020 04:30	5.6	6.4	1031.4	937.3	12.9	6818.9
23/01/2020 04:45	5.6	6.4	1031.7	937.3	12.9	6818.9
23/01/2020 05:00	5.6	6.4	1031.4	937.4	12.9	6818.4
23/01/2020 05:15	5.6	6.4	1031.6	937.1	12.9	6819.4
23/01/2020 05:30	5.6	6.4	1031.3	937.4	12.9	6818.4
23/01/2020 05:45	5.6	6.4	1031.4	937.4	12.9	6818.4
23/01/2020 06:00	5.6	6.5	1031.3	937.3	12.9	6818.9
23/01/2020 06:15	5.6	6.5	1031.1	937.4	12.9	6818.4
23/01/2020 06:30	5.6	6.5	1031.5	937.6	12.9	6817.8
23/01/2020 06:45	5.6	6.5	1031.2	937.3	12.9	6818.9
23/01/2020 07:00	5.6	6.5	1031.3	937.4	12.9	6818.4
23/01/2020 07:15	5.6	6.5	1031.1	937.6	12.9	6817.8
23/01/2020 07:30	5.6	6.5	1030.9	937.6	12.9	6817.8
23/01/2020 07:45	5.6	6.5	1031.1	937.6	12.9	6817.8
23/01/2020 08:00	5.6	6.5	1030.9	937.6	12.9	6817.8
23/01/2020 08:15	5.6	6.5	1031.2	937.8	12.9	6817.3
23/01/2020 08:30	5.6	6.6	1031	937.6	12.9	6817.8
23/01/2020 08:45	5.6	6.8	1030.8	937.8	12.9	6817.3
23/01/2020 09:00	5.6	7	1030.8	937.6	12.9	6817.8
23/01/2020 09:15	5.6	7.2	1030.5	937.6	12.8	6817.8
23/01/2020 09:30	5.6	7.5	1030.6	937.4	12.9	6818.4
23/01/2020 09:45	5.6	7.8	1030.3	937.8	12.9	6817.3
23/01/2020 10:00	5.6	8.1	1030.4	937.8	12.9	6817.3
23/01/2020 10:15	5.6	8.3	1030	937.7	12.8	6817.3
23/01/2020 10:30	5.6	8.6	1030	937.6	12.9	6817.8
23/01/2020 10:45	5.6	8.8	1029.9	937.6	12.9	6817.8
23/01/2020 11:00	5.6	8.9	1029.8	937.8	12.9	6817.3
23/01/2020 11:15	5.6	9.1	1029.6	937.4	12.9	6818.4
23/01/2020 11:30	5.6	9.2	1029.6	937.8	12.9	6817.3
23/01/2020 11:45	5.6	9.5	1029.2	937.4	12.9	6818.4
23/01/2020 12:00	5.6	9.7	1029	937.4	12.9	6818.4
23/01/2020 12:15	5.6	9.7	1028.9	937.3	12.9	6818.9
23/01/2020 12:30	5.6	9.7	1028.6	937.4	12.8	6818.4
23/01/2020 12:45	5.6	9.7	1028.2	937.3	12.8	6818.9
23/01/2020 13:00	5.6	9.5	1028.1	937.3	12.9	6818.9
23/01/2020 13:15	5.6	9.3	1027.6	937.4	12.8	6818.4
23/01/2020 13:30	5.6	9.1	1027.3	937.1	12.9	6819.4
23/01/2020 13:45	5.6	9.1	1027.2	937.1	12.9	6819.4
23/01/2020 14:00	5.6	9.1	1027.3	937.3	12.9	6818.9
23/01/2020 14:15	5.6	9.1	1026.8	937.1	12.8	6819.4
23/01/2020 14:30	5.6	9.1	1026.5	937.1	12.8	6819.4

23/01/2020 14:45	5.6	9	1026.3	937.3	12.8	6818.9
23/01/2020 15:00	5.6	9	1026.3	937.1	12.9	6819.4
23/01/2020 15:15	5.6	8.9	1026.2	937.1	12.9	6819.4
23/01/2020 15:30	5.6	8.7	1025.8	937.1	12.8	6819.4
23/01/2020 15:45	5.6	8.6	1025.8	937.1	12.9	6819.4
23/01/2020 16:00	5.6	8.5	1025.9	936.8	12.9	6820.5
23/01/2020 16:15	5.6	8.4	1025.8	936.8	12.9	6820.5
23/01/2020 16:30	5.6	8.2	1025.6	937	12.9	6819.9
23/01/2020 16:45	5.6	8.1	1025.6	937	12.9	6819.9
23/01/2020 17:00	5.6	7.9	1025.6	937.1	12.9	6819.4
23/01/2020 17:15	5.6	7.8	1025.6	937.3	12.9	6818.9
23/01/2020 17:30	5.6	7.7	1025.3	937.1	12.8	6819.4
23/01/2020 17:45	5.6	7.6	1025.5	937.3	12.8	6818.9
23/01/2020 18:00	5.6	7.5	1025.4	937.3	12.9	6818.9
23/01/2020 18:15	5.6	7.5	1025.2	937.1	12.9	6819.4
23/01/2020 18:30	5.6	7.4	1025.2	937.1	12.8	6819.4
23/01/2020 18:45	5.6	7.4	1024.9	937.3	12.9	6818.9
23/01/2020 19:00	5.6	7.3	1025.2	937.3	12.9	6818.9
23/01/2020 19:15	5.6	7.3	1024.8	937.1	12.9	6819.4
23/01/2020 19:30	5.6	7.2	1024.8	937.1	12.9	6819.4
23/01/2020 19:45	5.6	7.2	1024.5	937.1	12.9	6819.4
23/01/2020 20:00	5.6	7.2	1024.4	937.3	12.8	6818.9
23/01/2020 20:15	5.6	7.1	1024.6	937.3	12.9	6818.9
23/01/2020 20:30	5.6	7.1	1024.3	937.3	12.8	6818.9
23/01/2020 20:45	5.6	7	1024.6	937.3	12.9	6818.9
23/01/2020 21:00	5.6	7	1024.6	937.4	12.9	6818.4
23/01/2020 21:15	5.6	7	1024.3	937.4	12.9	6818.4
23/01/2020 21:30	5.6	7	1024.4	937.4	12.9	6818.4
23/01/2020 21:45	5.6	7	1024.5	937.3	12.9	6818.9
23/01/2020 22:00	5.6	6.9	1024.1	937.3	12.9	6818.9
23/01/2020 22:15	5.6	6.9	1024.3	937.4	12.9	6818.4
23/01/2020 22:30	5.6	6.9	1024.2	937.3	12.9	6818.9
23/01/2020 22:45	5.6	6.8	1024.1	937.4	12.8	6818.4
23/01/2020 23:00	5.6	6.8	1023.8	937.3	12.9	6818.9
23/01/2020 23:15	5.6	6.7	1024	937.4	12.9	6818.4
23/01/2020 23:30	5.6	6.7	1023.5	937.3	12.9	6818.9
23/01/2020 23:45	5.6	6.7	1023.5	937.3	12.9	6818.9
24/01/2020 00:00	5.6	6.6	1023.3	937.3	12.9	6818.9
24/01/2020 00:15	5.6	6.6	1023.4	937.1	12.9	6819.4
24/01/2020 00:30	5.6	6.6	1023.1	937.3	12.9	6818.9
24/01/2020 00:45	5.6	6.6	1023.1	937.1	12.9	6819.4
24/01/2020 01:00	5.6	6.5	1022.8	937.1	12.9	6819.4
24/01/2020 01:15	5.6	6.5	1022.8	937.1	12.9	6819.4
24/01/2020 01:30	5.6	6.5	1022.4	937.3	12.9	6818.9
24/01/2020 01:45	5.6	6.5	1022.3	936.6	12.9	6821
24/01/2020 02:00	5.6	6.5	1022.2	937	12.9	6819.9
24/01/2020 02:15	5.6	6.4	1021.8	936.9	12.8	6819.9
24/01/2020 02:30	5.6	6.4	1021.8	936.8	12.9	6820.5
24/01/2020 02:45	5.6	6.4	1021.8	936.6	12.9	6821
24/01/2020 03:00	5.6	6.4	1021.4	936.8	12.9	6820.5

24/01/2020 03:15	5.6	6.4	1021.5	936.8	12.9	6820.5
24/01/2020 03:30	5.6	6.3	1021.4	936.6	12.9	6821
24/01/2020 03:45	5.6	6.3	1021.4	936.8	12.9	6820.5
24/01/2020 04:00	5.6	6.3	1021	937	12.9	6819.9
24/01/2020 04:15	5.6	6.3	1020.8	936.8	12.9	6820.5
24/01/2020 04:30	5.6	6.3	1020.9	936.8	12.9	6820.5
24/01/2020 04:45	5.6	6.3	1020.7	936.6	12.8	6821
24/01/2020 05:00	5.6	6.2	1020.6	936.8	12.9	6820.5
24/01/2020 05:15	5.6	6.2	1020.2	936.8	12.9	6820.5
24/01/2020 05:30	5.6	6.2	1020.3	936.8	12.9	6820.5
24/01/2020 05:45	5.6	6.2	1020.5	937.1	12.9	6819.4
24/01/2020 06:00	5.6	6.2	1020.7	937	12.9	6819.9
24/01/2020 06:15	5.6	6.2	1020.5	936.8	12.9	6820.5
24/01/2020 06:30	5.6	6.2	1020.7	937	12.9	6819.9
24/01/2020 06:45	5.6	6.2	1020.7	937.1	12.9	6819.4
24/01/2020 07:00	5.6	6.2	1020.6	937.1	12.9	6819.4
24/01/2020 07:15	5.6	6.3	1020.5	937	12.9	6819.9
24/01/2020 07:30	5.6	6.3	1020.7	937.1	12.9	6819.4
24/01/2020 07:45	5.6	6.3	1020.6	937.1	12.9	6819.4
24/01/2020 08:00	5.6	6.3	1020.3	937.1	12.9	6819.4
24/01/2020 08:15	5.6	6.3	1020.6	937.3	12.9	6818.9
24/01/2020 08:30	5.6	6.3	1020.5	937.3	12.9	6818.9
24/01/2020 08:45	5.6	6.4	1020.4	937.3	12.9	6818.9
24/01/2020 09:00	5.6	6.5	1020.6	937.1	12.8	6819.4
24/01/2020 09:15	5.6	6.5	1020.7	937.3	12.9	6818.9
24/01/2020 09:30	5.6	6.6	1021	937.3	12.9	6818.9
24/01/2020 09:45	5.6	6.8	1021	937.1	12.9	6819.4
24/01/2020 10:00	5.6	6.9	1021	937.6	12.9	6817.8
24/01/2020 10:15	5.6	7	1020.9	937.3	12.9	6818.9
24/01/2020 10:30	5.6	7.1	1021.3	937.1	12.9	6819.4
24/01/2020 10:45	5.6	7.1	1021	937.3	12.9	6818.9
24/01/2020 11:00	5.6	7.2	1020.8	937.3	12.8	6818.9
24/01/2020 11:15	5.6	7.3	1020.8	937.3	12.9	6818.9
24/01/2020 11:30	5.6	7.5	1020.3	937.3	12.9	6818.9
24/01/2020 11:45	5.6	7.7	1020.4	937.1	12.9	6819.4
24/01/2020 12:00	5.6	7.9	1019.9	937.1	12.9	6819.4
24/01/2020 12:15	5.6	7.9	1019.5	937.1	12.9	6819.4
24/01/2020 12:30	5.6	8	1019.9	937.1	12.9	6819.4
24/01/2020 12:45	5.6	7.9	1019.9	937.1	12.9	6819.4
24/01/2020 13:00	5.6	7.9	1019.4	937.1	12.9	6819.4
24/01/2020 13:15	5.6	7.8	1019	937.1	12.9	6819.4
24/01/2020 13:30	5.6	7.8	1019.1	936.8	12.9	6820.5
24/01/2020 13:45	5.6	7.8	1018.9	936.8	12.8	6820.5
24/01/2020 14:00	5.6	7.8	1018.8	937.1	12.8	6819.4
24/01/2020 14:15	5.6	7.8	1018.7	936.8	12.8	6820.5
24/01/2020 14:30	5.6	7.8	1018.7	936.8	12.9	6820.5
24/01/2020 14:45	5.6	7.8	1018.8	936.8	12.9	6820.5
24/01/2020 15:00	5.6	7.7	1018.6	936.8	12.9	6820.5
24/01/2020 15:15	5.6	7.6	1018.5	936.6	12.8	6821
24/01/2020 15:30	5.6	7.5	1018.7	936.8	12.9	6820.5

24/01/2020 15:45	5.6	7.4	1018.8	937	12.9	6819.9
24/01/2020 16:00	5.6	7.3	1018.4	936.6	12.9	6821
24/01/2020 16:15	5.6	7.2	1018.5	936.5	12.9	6821.5
24/01/2020 16:30	5.6	7.1	1018.6	936.6	12.8	6821
24/01/2020 16:45	5.6	7.1	1018.7	936.8	12.9	6820.5
24/01/2020 17:00	5.6	7	1018.9	936.6	12.9	6821
24/01/2020 17:15	5.6	6.9	1018.9	936.8	12.9	6820.5
24/01/2020 17:30	5.6	6.8	1018.9	936.8	12.8	6820.5
24/01/2020 17:45	5.6	6.8	1018.7	936.8	12.8	6820.5
24/01/2020 18:00	5.6	6.7	1019.1	937.1	12.8	6819.4
24/01/2020 18:15	5.6	6.7	1019.1	936.8	12.8	6820.5
24/01/2020 18:30	5.6	6.7	1019.1	937.1	12.9	6819.4
24/01/2020 18:45	5.6	6.6	1019	937.1	12.8	6819.4
24/01/2020 19:00	5.6	6.6	1019	936.8	12.9	6820.5
24/01/2020 19:15	5.6	6.6	1019.4	936.9	12.8	6819.9
24/01/2020 19:30	5.6	6.6	1019.3	937	12.9	6819.9
24/01/2020 19:45	5.6	6.5	1019.5	936.8	12.9	6820.5
24/01/2020 20:00	5.6	6.5	1019	937.1	12.9	6819.4
24/01/2020 20:15	5.6	6.5	1019.5	937.1	12.9	6819.4
24/01/2020 20:30	5.6	6.5	1019.3	937.1	12.9	6819.4
24/01/2020 20:45	5.6	6.5	1019.2	937.1	12.9	6819.4
24/01/2020 21:00	5.6	6.5	1019.3	937.3	12.9	6818.9
24/01/2020 21:15	5.6	6.5	1019	937.1	12.9	6819.4
24/01/2020 21:30	5.6	6.5	1019.1	937.3	12.8	6818.9
24/01/2020 21:45	5.6	6.5	1019.1	937.4	12.9	6818.4
24/01/2020 22:00	5.6	6.4	1018.9	937.3	12.9	6818.9
24/01/2020 22:15	5.6	6.4	1019.1	937.1	12.9	6819.4
24/01/2020 22:30	5.6	6.4	1018.9	937.1	12.9	6819.4
24/01/2020 22:45	5.6	6.4	1019	937	12.9	6819.9
24/01/2020 23:00	5.6	6.4	1018.8	937.1	12.8	6819.4
24/01/2020 23:15	5.6	6.4	1018.7	937.1	12.9	6819.4
24/01/2020 23:30	5.6	6.4	1018.8	937.1	12.8	6819.4
24/01/2020 23:45	5.6	6.3	1018.9	937.1	12.9	6819.4
25/01/2020 00:00	5.6	6.3	1018.5	937.1	12.9	6819.4
25/01/2020 00:15	5.6	6.3	1018.6	937.1	12.9	6819.4
25/01/2020 00:30	5.6	6.3	1018.7	936.8	12.9	6820.5
25/01/2020 00:45	5.6	6.3	1018.3	937.1	12.8	6819.4
25/01/2020 01:00	5.6	6.3	1018.2	937.1	12.9	6819.4
25/01/2020 01:15	5.6	6.3	1018.3	936.8	12.8	6820.5
25/01/2020 01:30	5.6	6.3	1018.1	936.8	12.9	6820.5
25/01/2020 01:45	5.6	6.2	1018.2	936.8	12.9	6820.5
25/01/2020 02:00	5.6	6.2	1017.8	936.6	12.9	6821
25/01/2020 02:15	5.6	6.2	1017.9	936.6	12.8	6821
25/01/2020 02:30	5.6	6.2	1017.7	936.8	12.9	6820.5
25/01/2020 02:45	5.6	6.2	1017.6	936.8	12.9	6820.5
25/01/2020 03:00	5.6	6.2	1017.6	936.5	12.9	6821.5
25/01/2020 03:15	5.6	6.2	1017.4	936.6	12.9	6821
25/01/2020 03:30	5.6	6.2	1017.1	936.6	12.9	6821
25/01/2020 03:45	5.6	6.2	1017.2	936.6	12.9	6821
25/01/2020 04:00	5.6	6.2	1017.1	936.3	12.9	6822

25/01/2020 04:15	5.6	6.2	1017.3	936.5	12.9	6821.5
25/01/2020 04:30	5.6	6.2	1016.9	936.5	12.8	6821.5
25/01/2020 04:45	5.6	6.2	1016.9	936.5	12.9	6821.5
25/01/2020 05:00	5.6	6.2	1017.1	936.5	12.9	6821.5
25/01/2020 05:15	5.6	6.1	1017	936.5	12.9	6821.5
25/01/2020 05:30	5.6	6.1	1016.8	936.5	12.9	6821.5
25/01/2020 05:45	5.6	6.1	1017.2	936.5	12.9	6821.5
25/01/2020 06:00	5.6	6.1	1017	936.6	12.9	6821
25/01/2020 06:15	5.6	6.1	1017.3	936.6	12.9	6821
25/01/2020 06:30	5.6	6	1017	936.6	12.8	6821
25/01/2020 06:45	5.6	6	1017.2	936.5	12.9	6821.5
25/01/2020 07:00	5.6	6	1017.4	936.6	12.9	6821
25/01/2020 07:15	5.6	6	1017.3	936.5	12.9	6821.5
25/01/2020 07:30	5.6	5.9	1017.5	936.8	12.9	6820.5
25/01/2020 07:45	5.6	5.9	1017.5	936.8	12.9	6820.5
25/01/2020 08:00	5.6	5.9	1017.9	937	12.9	6819.9
25/01/2020 08:15	5.6	5.9	1017.4	936.8	12.9	6820.5
25/01/2020 08:30	5.6	6	1017.8	936.8	12.9	6820.5
25/01/2020 08:45	5.6	6.1	1017.7	936.6	12.9	6821
25/01/2020 09:00	5.6	6.2	1017.7	937	12.9	6819.9
25/01/2020 09:15	5.6	6.3	1017.7	937.1	12.9	6819.4
25/01/2020 09:30	5.6	6.6	1017.7	937	12.9	6819.9
25/01/2020 09:45	5.6	6.7	1017.6	937.1	12.9	6819.4
25/01/2020 10:00	5.6	6.9	1018.1	936.8	12.9	6820.5
25/01/2020 10:15	5.6	7	1018.1	937.1	12.9	6819.4
25/01/2020 10:30	5.6	7.2	1017.8	937.1	12.9	6819.4
25/01/2020 10:45	5.6	7.3	1018	937.1	12.9	6819.4
25/01/2020 11:00	5.6	7.3	1017.8	937	12.9	6819.9
25/01/2020 11:15	5.6	7.4	1017.5	936.9	12.8	6819.9
25/01/2020 11:30	5.6	7.5	1017.3	937.1	12.9	6819.4
25/01/2020 11:45	5.6	7.6	1017.2	937.1	12.8	6819.4
25/01/2020 12:00	5.6	7.7	1017.2	937.3	12.8	6818.9
25/01/2020 12:15	5.6	7.8	1016.9	937.1	12.8	6819.4
25/01/2020 12:30	5.6	8	1016.7	936.9	12.8	6819.9
25/01/2020 12:45	5.6	8	1016.8	937	12.9	6819.9
25/01/2020 13:00	5.6	8.1	1016.9	937	12.9	6819.9
25/01/2020 13:15	5.6	8	1016.3	936.8	12.9	6820.5
25/01/2020 13:30	5.6	8	1016.1	936.8	12.8	6820.5
25/01/2020 13:45	5.6	8	1016.2	936.8	12.8	6820.5
25/01/2020 14:00	5.6	7.9	1015.8	937	12.9	6819.9
25/01/2020 14:15	5.6	7.8	1015.6	936.6	12.9	6821
25/01/2020 14:30	5.6	7.7	1015.7	936.6	12.8	6821
25/01/2020 14:45	5.6	7.6	1015.6	936.6	12.8	6821
25/01/2020 15:00	5.6	7.5	1015.6	936.6	12.8	6821
25/01/2020 15:15	5.6	7.5	1015.6	936.6	12.9	6821
25/01/2020 15:30	5.6	7.4	1015	936.5	12.9	6821.5
25/01/2020 15:45	5.6	7.3	1015.3	936.5	12.8	6821.5
25/01/2020 16:00	5.6	7.2	1015.2	936.3	12.9	6822
25/01/2020 16:15	5.6	7	1015.2	936.5	12.9	6821.5
25/01/2020 16:30	5.6	6.9	1015.6	936.5	12.9	6821.5

25/01/2020 16:45	5.6	6.8	1015.5	936.6	12.9	6821
25/01/2020 17:00	5.6	6.7	1015.3	936.5	12.8	6821.5
25/01/2020 17:15	5.6	6.6	1015.4	936.3	12.9	6822
25/01/2020 17:30	5.6	6.6	1015.3	936.5	12.9	6821.5
25/01/2020 17:45	5.6	6.6	1015.3	936.6	12.9	6821
25/01/2020 18:00	5.6	6.6	1015.3	936.5	12.9	6821.5
25/01/2020 18:15	5.6	6.6	1015.1	936.6	12.9	6821
25/01/2020 18:30	5.6	6.5	1015.1	936.6	12.8	6821
25/01/2020 18:45	5.6	6.4	1015.5	936.5	12.9	6821.5
25/01/2020 19:00	5.6	6.4	1015.4	936.8	12.9	6820.5
25/01/2020 19:15	5.6	6.3	1015.2	936.6	12.8	6821
25/01/2020 19:30	5.6	6.3	1015.4	936.6	12.9	6821
25/01/2020 19:45	5.6	6.2	1015.2	936.8	12.9	6820.5
25/01/2020 20:00	5.6	6.2	1015	936.6	12.9	6821
25/01/2020 20:15	5.6	6.1	1014.7	936.6	12.9	6821
25/01/2020 20:30	5.6	6.2	1014.5	936.6	12.9	6821
25/01/2020 20:45	5.6	6.2	1014.4	936.6	12.9	6821
25/01/2020 21:00	5.6	6.2	1014.4	936.8	12.9	6820.5
25/01/2020 21:15	5.6	6.2	1014.3	936.8	12.9	6820.5
25/01/2020 21:30	5.6	6.3	1014	936.6	12.9	6821
25/01/2020 21:45	5.6	6.3	1014	937	12.9	6819.9
25/01/2020 22:00	5.6	6.3	1013.9	936.8	12.9	6820.5
25/01/2020 22:15	5.6	6.3	1013.7	936.8	12.9	6820.5
25/01/2020 22:30	5.6	6.4	1013.6	936.6	12.9	6821
25/01/2020 22:45	5.6	6.4	1013.3	936.9	12.8	6819.9
25/01/2020 23:00	5.6	6.4	1013.2	936.6	12.8	6821
25/01/2020 23:15	5.6	6.4	1013.2	936.8	12.9	6820.5
25/01/2020 23:30	5.6	6.5	1013	936.8	12.9	6820.5
25/01/2020 23:45	5.6	6.5	1012.6	936.8	12.9	6820.5
26/01/2020 00:00	5.6	6.5	1012.7	936.6	12.9	6821
26/01/2020 00:15	5.6	6.6	1012.1	936.8	12.9	6820.5
26/01/2020 00:30	5.6	6.6	1012.2	936.6	12.8	6821
26/01/2020 00:45	5.6	6.6	1011.8	936.6	12.8	6821
26/01/2020 01:00	5.6	6.7	1012	936.6	12.8	6821
26/01/2020 01:15	5.6	6.7	1011.8	936.5	12.9	6821.5
26/01/2020 01:30	5.6	6.7	1011.7	936.5	12.9	6821.5
26/01/2020 01:45	5.6	6.7	1011.5	936.6	12.8	6821
26/01/2020 02:00	5.6	6.8	1011.5	936.5	12.9	6821.5
26/01/2020 02:15	5.6	6.8	1011.3	936.5	12.9	6821.5
26/01/2020 02:30	5.6	6.8	1011.1	936.5	12.9	6821.5
26/01/2020 02:45	5.6	6.9	1011	936.3	12.9	6822
26/01/2020 03:00	5.6	6.9	1011.1	936.3	12.8	6822
26/01/2020 03:15	5.6	6.9	1011.3	936.3	12.8	6822
26/01/2020 03:30	5.6	6.9	1011.1	936.5	12.9	6821.5
26/01/2020 03:45	5.6	6.9	1011	936.3	12.8	6822
26/01/2020 04:00	5.6	6.9	1010.7	936.3	12.9	6822
26/01/2020 04:15	5.6	6.9	1010.5	936.3	12.9	6822
26/01/2020 04:30	5.6	6.9	1010.4	936.2	12.9	6822.5
26/01/2020 04:45	5.6	6.9	1010.4	936	12.9	6823.1
26/01/2020 05:00	5.6	6.9	1010	936.2	12.9	6822.5

26/01/2020 05:15	5.6	6.8	1010	936.3	12.9	6822
26/01/2020 05:30	5.6	6.8	1009.9	936.1	12.8	6822.5
26/01/2020 05:45	5.6	6.9	1010.1	936.2	12.9	6822.5
26/01/2020 06:00	5.6	6.9	1009.7	936.2	12.9	6822.5
26/01/2020 06:15	5.6	6.7	1010.2	936.3	12.9	6822
26/01/2020 06:30	5.6	6.7	1010.2	936.3	12.9	6822
26/01/2020 06:45	5.6	6.7	1009.6	936.3	12.9	6822
26/01/2020 07:00	5.6	6.6	1009.5	936.2	12.9	6822.5
26/01/2020 07:15	5.6	6.7	1009.8	936.5	12.9	6821.5
26/01/2020 07:30	5.6	7	1009.7	936.3	12.9	6822
26/01/2020 07:45	5.6	7.2	1009.9	936.5	12.9	6821.5
26/01/2020 08:00	5.6	7.3	1009.8	936.5	12.9	6821.5
26/01/2020 08:15	5.6	7.4	1009.7	936.3	12.9	6822
26/01/2020 08:30	5.6	7.6	1009.5	936.3	12.8	6822
26/01/2020 08:45	5.6	7.7	1009.6	936.5	12.9	6821.5
26/01/2020 09:00	5.6	7.8	1009.3	936.6	12.9	6821
26/01/2020 09:15	5.6	8.1	1009.3	936.6	12.8	6821
26/01/2020 09:30	5.6	8.3	1009.4	936.5	12.8	6821.5
26/01/2020 09:45	5.6	8.7	1009	936.5	12.9	6821.5
26/01/2020 10:00	5.6	9	1009.4	936.6	12.9	6821
26/01/2020 10:15	5.6	9.1	1009.1	936.5	12.9	6821.5
26/01/2020 10:30	5.6	9.2	1009.4	936.6	12.9	6821
26/01/2020 10:45	5.6	9.2	1009	936.6	12.8	6821
26/01/2020 11:00	5.6	9.6	1008.4	936.5	12.9	6821.5
26/01/2020 11:15	5.6	10.1	1008.3	936.6	12.8	6821
26/01/2020 11:30	5.5	10.6	1007.7	936.6	12.8	6821
26/01/2020 11:45	5.5	11.2	1007.6	936.5	12.8	6821.5
26/01/2020 12:00	5.5	11.3	1007.1	936.8	12.9	6820.5
26/01/2020 12:15	5.5	11.2	1007	936.6	12.8	6821
26/01/2020 12:30	5.5	11	1007	936.3	12.8	6822
26/01/2020 12:45	5.5	10.8	1007.1	936.6	12.8	6821
26/01/2020 13:00	5.6	10.7	1006.6	936.6	12.8	6821
26/01/2020 13:15	5.5	10.6	1006.5	936.5	12.8	6821.5
26/01/2020 13:30	5.5	10.6	1006.3	936.5	12.8	6821.5
26/01/2020 13:45	5.5	10.7	1006.1	936.3	12.9	6822
26/01/2020 14:00	5.5	10.7	1006.4	936.5	12.8	6821.5
26/01/2020 14:15	5.5	10.6	1006	936.3	12.9	6822
26/01/2020 14:30	5.5	10.5	1005.8	936.3	12.8	6822
26/01/2020 14:45	5.6	10.3	1005.8	936.3	12.8	6822
26/01/2020 15:00	5.6	10.1	1005.8	936.2	12.9	6822.5
26/01/2020 15:15	5.6	9.9	1005.5	936.3	12.8	6822
26/01/2020 15:30	5.6	9.7	1005.4	936.3	12.9	6822
26/01/2020 15:45	5.6	9.5	1005.4	936.2	12.9	6822.5
26/01/2020 16:00	5.6	9.3	1005.2	936.2	12.9	6822.5
26/01/2020 16:15	5.6	9	1004.9	936.1	12.8	6822.5
26/01/2020 16:30	5.6	8.9	1005	936	12.8	6823.1
26/01/2020 16:45	5.6	8.9	1004.7	936.1	12.8	6822.5
26/01/2020 17:00	5.6	8.9	1005	936.1	12.8	6822.5
26/01/2020 17:15	5.6	8.9	1005.1	935.8	12.9	6823.6
26/01/2020 17:30	5.6	8.9	1004.3	936.1	12.8	6822.5

26/01/2020 17:45	5.6	8.9	1004.3	936	12.9	6823.1
26/01/2020 18:00	5.6	8.8	1004.4	935.8	12.8	6823.6
26/01/2020 18:15	5.6	8.7	1004.1	935.8	12.8	6823.6
26/01/2020 18:30	5.6	8.7	1004.1	935.8	12.9	6823.6
26/01/2020 18:45	5.6	8.7	1003.9	936	12.8	6823.1
26/01/2020 19:00	5.6	8.6	1003.8	936	12.8	6823.1
26/01/2020 19:15	5.6	8.6	1003.6	936	12.8	6823.1
26/01/2020 19:30	5.6	8.6	1003.3	936	12.8	6823.1
26/01/2020 19:45	5.6	8.6	1003.2	936	12.9	6823.1
26/01/2020 20:00	5.6	8.6	1003.2	936	12.9	6823.1
26/01/2020 20:15	5.6	8.6	1002.5	936.1	12.8	6822.5
26/01/2020 20:30	5.6	8.7	1002.5	936	12.9	6823.1
26/01/2020 20:45	5.6	8.7	1002.5	936.1	12.8	6822.5
26/01/2020 21:00	5.6	8.8	1002.5	936.1	12.8	6822.5
26/01/2020 21:15	5.6	8.8	1002.6	936.2	12.9	6822.5
26/01/2020 21:30	5.6	8.8	1002.2	936.2	12.9	6822.5
26/01/2020 21:45	5.6	8.8	1002	936.2	12.9	6822.5
26/01/2020 22:00	5.6	8.8	1001.9	936.3	12.8	6822
26/01/2020 22:15	5.6	8.8	1002.3	936.3	12.9	6822
26/01/2020 22:30	5.6	8.7	1002.2	936.3	12.9	6822
26/01/2020 22:45	5.6	8.5	1002.3	936.3	12.8	6822
26/01/2020 23:00	5.6	8.4	1002.2	936.3	12.8	6822
26/01/2020 23:15	5.6	8.3	1002.2	936.3	12.8	6822
26/01/2020 23:30	5.6	8.1	1002.4	936.5	12.9	6821.5
26/01/2020 23:45	5.6	7.9	1002.4	936.3	12.8	6822
27/01/2020 00:00	5.6	7.8	1002.3	936.3	12.9	6822
27/01/2020 00:15	5.6	7.6	1002.3	936.3	12.9	6822
27/01/2020 00:30	5.6	7.4	1002.1	936.3	12.8	6822
27/01/2020 00:45	5.6	7.1	1002.5	936.3	12.9	6822
27/01/2020 01:00	5.6	6.9	1002.4	936.3	12.8	6822
27/01/2020 01:15	5.6	6.7	1002.5	936.3	12.9	6822
27/01/2020 01:30	5.6	6.6	1002.2	936.2	12.9	6822.5
27/01/2020 01:45	5.6	6.8	1002.1	936.3	12.8	6822
27/01/2020 02:00	5.6	6.9	1002	936.3	12.8	6822
27/01/2020 02:15	5.6	6.7	1001.9	936.3	12.9	6822
27/01/2020 02:30	5.6	6.4	1002.2	936.1	12.8	6822.5
27/01/2020 02:45	5.6	6.3	1002.1	936.1	12.8	6822.5
27/01/2020 03:00	5.6	6.3	1001.8	936.2	12.9	6822.5
27/01/2020 03:15	5.6	6.2	1001.9	936.1	12.8	6822.5
27/01/2020 03:30	5.6	6.1	1001.8	936.1	12.8	6822.5
27/01/2020 03:45	5.6	5.9	1001.5	935.8	12.9	6823.6
27/01/2020 04:00	5.6	5.9	1001.7	936	12.8	6823.1
27/01/2020 04:15	5.6	5.9	1001.4	935.8	12.9	6823.6
27/01/2020 04:30	5.6	5.9	1001.2	935.8	12.9	6823.6
27/01/2020 04:45	5.6	6	1001.4	936	12.9	6823.1
27/01/2020 05:00	5.6	6	1000.9	935.8	12.9	6823.6
27/01/2020 05:15	5.6	6	1001.1	935.8	12.9	6823.6
27/01/2020 05:30	5.6	6.1	1000.8	935.8	12.9	6823.6
27/01/2020 05:45	5.6	6.1	1001.1	935.8	12.8	6823.6
27/01/2020 06:00	5.6	6.1	1000.8	935.8	12.9	6823.6

27/01/2020 06:15	5.6	6.1	1000.9	935.8	12.9	6823.6
27/01/2020 06:30	5.6	6.1	1000.6	935.8	12.8	6823.6
27/01/2020 06:45	5.6	6.1	1000.8	935.8	12.9	6823.6
27/01/2020 07:00	5.6	6	1000.8	936	12.9	6823.1
27/01/2020 07:15	5.6	5.9	1000.6	935.8	12.8	6823.6
27/01/2020 07:30	5.6	5.8	1000.5	936	12.9	6823.1
27/01/2020 07:45	5.6	6	1000.5	936	12.8	6823.1
27/01/2020 08:00	5.6	6.2	1000.6	936	12.8	6823.1
27/01/2020 08:15	5.6	6.4	1000.2	936	12.9	6823.1
27/01/2020 08:30	5.6	6.6	1000	936	12.8	6823.1
27/01/2020 08:45	5.6	6.8	1000.2	935.8	12.8	6823.6
27/01/2020 09:00	5.6	7.1	999.9	936	12.8	6823.1
27/01/2020 09:15	5.6	7.5	999.7	936	12.8	6823.1
27/01/2020 09:30	5.6	7.7	999.8	936.2	12.9	6822.5
27/01/2020 09:45	5.6	7.8	999.8	936.1	12.8	6822.5
27/01/2020 10:00	5.6	8	999.5	936.1	12.8	6822.5
27/01/2020 10:15	5.6	8.2	999.5	936.1	12.8	6822.5
27/01/2020 10:30	5.6	8.5	999.6	936.1	12.8	6822.5
27/01/2020 10:45	5.6	8.8	999	936.3	12.8	6822
27/01/2020 11:00	5.6	8.9	998.9	936.1	12.8	6822.5
27/01/2020 11:15	5.6	9.1	999.1	936.1	12.8	6822.5
27/01/2020 11:30	5.6	9.4	998.8	936.3	12.8	6822
27/01/2020 11:45	5.6	9.8	998.5	936.1	12.8	6822.5
27/01/2020 12:00	5.5	10.2	998.1	936.3	12.8	6822
27/01/2020 12:15	5.6	10.2	997.8	936.1	12.8	6822.5
27/01/2020 12:30	5.6	10.1	997.8	936.2	12.9	6822.5
27/01/2020 12:45	5.5	10.3	997.2	936.3	12.8	6822
27/01/2020 13:00	5.5	10.5	997.1	936.3	12.9	6822
27/01/2020 13:15	5.8	11.6	997	936.3	12.8	6822
27/01/2020 13:30	5.6	11	996.7	936.1	12.8	6822.5
27/01/2020 13:45	5.6	10.7	996.6	936.1	12.8	6822.5
27/01/2020 14:00	5.6	10.5	996.2	936	12.9	6823.1
27/01/2020 14:15	5.6	10.3	996.2	936	12.8	6823.1
27/01/2020 14:30	5.6	10	995.7	935.8	12.8	6823.6
27/01/2020 14:45	5.6	9.8	995.6	936	12.9	6823.1
27/01/2020 15:00	5.6	9.6	995.3	935.8	12.9	6823.6
27/01/2020 15:15	5.6	9.3	995.1	935.8	12.9	6823.6
27/01/2020 15:30	5.6	9	994.8	935.6	12.8	6824.1
27/01/2020 15:45	5.6	8.8	994.3	935.6	12.8	6824.1
27/01/2020 16:00	5.6	8.5	993.8	935.8	12.9	6823.6
27/01/2020 16:15	5.6	8.4	993.6	935.7	12.9	6824.1
27/01/2020 16:30	5.6	8.2	993.3	935.7	12.9	6824.1
27/01/2020 16:45	5.6	8.1	992.8	935.5	12.9	6824.6
27/01/2020 17:00	5.6	8	992.5	935.5	12.9	6824.6
27/01/2020 17:15	5.6	7.9	991.9	935.5	12.9	6824.6
27/01/2020 17:30	5.6	8	991.7	935.5	12.9	6824.6
27/01/2020 17:45	5.6	8.1	991.5	935.3	12.9	6825.2
27/01/2020 18:00	5.6	8.1	991.2	935.3	12.8	6825.2
27/01/2020 18:15	5.6	7.9	991.3	935.3	12.8	6825.2
27/01/2020 18:30	5.6	7.5	991.4	935.3	12.8	6825.2

27/01/2020 18:45	5.6	7.1	991.1	935.3	12.8	6825.2
27/01/2020 19:00	5.6	6.8	991	935.5	12.9	6824.6
27/01/2020 19:15	5.6	6.6	991	935.5	12.9	6824.6
27/01/2020 19:30	5.6	6.3	990.5	935.5	12.8	6824.6
27/01/2020 19:45	5.6	5.9	990.6	935.5	12.9	6824.6
27/01/2020 20:00	5.6	5.4	990.5	935.3	12.8	6825.2
27/01/2020 20:15	5.6	5.1	990.5	935.3	12.9	6825.2
27/01/2020 20:30	5.6	5	990	935.3	12.9	6825.2
27/01/2020 20:45	5.6	4.7	990.1	935.5	12.8	6824.6
27/01/2020 21:00	5.6	4.6	990.2	935.3	12.9	6825.2
27/01/2020 21:15	5.6	4.5	989.7	935.5	12.8	6824.6
27/01/2020 21:30	5.6	4.4	989.7	935.5	12.8	6824.6
27/01/2020 21:45	5.6	4.5	989.6	935.5	12.9	6824.6
27/01/2020 22:00	5.6	4.6	989.3	935.5	12.8	6824.6
27/01/2020 22:15	5.6	4.7	989.3	935.5	12.9	6824.6
27/01/2020 22:30	5.6	4.8	989.2	935.5	12.9	6824.6
27/01/2020 22:45	5.6	4.7	989.2	935.7	12.9	6824.1
27/01/2020 23:00	5.6	4.5	988.9	935.5	12.9	6824.6
27/01/2020 23:15	5.6	4.4	988.6	935.5	12.9	6824.6
27/01/2020 23:30	5.6	4.3	988.6	935.8	12.9	6823.6
27/01/2020 23:45	5.6	4.3	988.4	935.6	12.8	6824.1
28/01/2020 00:00	5.6	4.2	988.2	935.5	12.9	6824.6
28/01/2020 00:15	5.6	4.2	988	935.5	12.9	6824.6
28/01/2020 00:30	5.6	4.1	987.7	935.8	12.9	6823.6
28/01/2020 00:45	5.6	4	987.5	935.7	12.9	6824.1
28/01/2020 01:00	5.6	3.9	987.3	935.8	12.8	6823.6
28/01/2020 01:15	5.6	4	987	935.5	12.9	6824.6
28/01/2020 01:30	5.6	4	986.6	935.8	12.8	6823.6
28/01/2020 01:45	5.6	4.1	986.5	935.5	12.9	6824.6
28/01/2020 02:00	5.6	4	986.3	935.5	12.8	6824.6
28/01/2020 02:15	5.6	4	986.4	935.7	12.9	6824.1
28/01/2020 02:30	5.6	4.1	986	935.5	12.9	6824.6
28/01/2020 02:45	5.6	4.3	985.8	935.5	12.9	6824.6
28/01/2020 03:00	5.6	4.6	985.3	935.3	12.9	6825.2
28/01/2020 03:15	5.6	4.9	985.3	935.2	12.9	6825.7
28/01/2020 03:30	5.6	5.1	985.3	935.3	12.9	6825.2
28/01/2020 03:45	5.6	5.2	985.2	935.3	12.9	6825.2
28/01/2020 04:00	5.6	5.2	985.1	935.2	12.9	6825.7
28/01/2020 04:15	5.6	5	985.1	935.2	12.9	6825.7
28/01/2020 04:30	5.6	4.8	985.2	935.2	12.9	6825.7
28/01/2020 04:45	5.6	4.7	985.4	935.2	12.8	6825.7
28/01/2020 05:00	5.6	4.7	985.5	935	12.9	6826.2
28/01/2020 05:15	5.6	4.7	985.5	935	12.9	6826.2
28/01/2020 05:30	5.6	4.7	985.4	935	12.9	6826.2
28/01/2020 05:45	5.6	4.7	985.9	935	12.9	6826.2
28/01/2020 06:00	5.6	4.7	986.2	935	12.9	6826.2
28/01/2020 06:15	5.6	4.6	986.4	935.2	12.8	6825.7
28/01/2020 06:30	5.6	4.5	986.6	935.2	12.8	6825.7
28/01/2020 06:45	5.6	4.4	986.7	935.2	12.9	6825.7
28/01/2020 07:00	5.6	4.3	987	935	12.9	6826.2

28/01/2020 07:15	5.6	4.1	987.6	935	12.9	6826.2
28/01/2020 07:30	5.6	4	987.9	935.2	12.8	6825.7
28/01/2020 07:45	5.6	3.9	988.3	935.2	12.9	6825.7
28/01/2020 08:00	5.6	3.8	988.4	935.2	12.9	6825.7
28/01/2020 08:15	5.6	3.8	988.7	935.3	12.9	6825.2
28/01/2020 08:30	5.6	3.8	988.8	935.3	12.9	6825.2
28/01/2020 08:45	5.6	3.9	989	935.5	12.9	6824.6
28/01/2020 09:00	5.6	3.9	989.5	935.3	12.9	6825.2
28/01/2020 09:15	5.6	4	989.7	935.5	12.8	6824.6
28/01/2020 09:30	5.6	4	990.2	935.5	12.9	6824.6
28/01/2020 09:45	5.6	4.1	990.6	935.5	12.9	6824.6
28/01/2020 10:00	5.6	4.2	990.8	935.7	12.9	6824.1
28/01/2020 10:15	5.6	4.4	990.9	935.5	12.9	6824.6
28/01/2020 10:30	5.6	4.6	991.2	935.8	12.8	6823.6
28/01/2020 10:45	5.6	4.8	991.6	935.8	12.9	6823.6
28/01/2020 11:00	5.6	5	991.8	935.8	12.9	6823.6
28/01/2020 11:15	5.6	5.6	991.5	935.8	12.9	6823.6
28/01/2020 11:30	5.6	6.6	991.7	935.8	12.9	6823.6
28/01/2020 11:45	5.6	7.5	991.8	935.8	12.8	6823.6
28/01/2020 12:00	5.6	7.4	991.7	936	12.8	6823.1
28/01/2020 12:15	5.6	7.2	991.9	936	12.8	6823.1
28/01/2020 12:30	5.6	7.2	992	935.8	12.8	6823.6
28/01/2020 12:45	5.6	7.3	992.1	936	12.9	6823.1
28/01/2020 13:00	5.6	7.1	992.7	936	12.8	6823.1
28/01/2020 13:15	5.6	7	992.7	936	12.8	6823.1
28/01/2020 13:30	5.6	7	992.4	936.1	12.8	6822.5
28/01/2020 13:45	5.6	7.2	992.7	936	12.9	6823.1
28/01/2020 14:00	5.6	7.6	992.3	936	12.9	6823.1
28/01/2020 14:15	5.6	7.6	992.4	936	12.9	6823.1
28/01/2020 14:30	5.6	7.5	992.5	936	12.9	6823.1
28/01/2020 14:45	5.6	7.3	992.5	936	12.8	6823.1
28/01/2020 15:00	5.6	7	992.6	935.8	12.9	6823.6
28/01/2020 15:15	5.6	6.9	992.7	935.8	12.9	6823.6
28/01/2020 15:30	5.6	6.7	993	935.8	12.8	6823.6
28/01/2020 15:45	5.6	6.5	993.1	935.8	12.9	6823.6
28/01/2020 16:00	5.6	6.2	993.1	935.7	12.9	6824.1
28/01/2020 16:15	5.6	5.9	993	935.8	12.8	6823.6
28/01/2020 16:30	5.6	5.6	993.3	935.8	12.9	6823.6
28/01/2020 16:45	5.6	5.2	993.3	935.8	12.8	6823.6
28/01/2020 17:00	5.6	4.9	993.7	935.7	12.9	6824.1
28/01/2020 17:15	5.6	4.6	994.2	935.8	12.9	6823.6
28/01/2020 17:30	5.6	4.3	993.9	935.8	12.8	6823.6
28/01/2020 17:45	5.6	4.2	994.5	935.8	12.8	6823.6
28/01/2020 18:00	5.6	4	994.3	935.5	12.9	6824.6
28/01/2020 18:15	5.6	3.9	994.5	935.5	12.9	6824.6
28/01/2020 18:30	5.6	3.8	994.6	935.5	12.9	6824.6
28/01/2020 18:45	5.6	3.7	994.9	935.7	12.9	6824.1
28/01/2020 19:00	5.6	3.7	995.3	935.5	12.9	6824.6
28/01/2020 19:15	5.6	3.6	995.1	935.8	12.9	6823.6
28/01/2020 19:30	5.6	3.5	995.4	935.8	12.9	6823.6

28/01/2020 19:45	5.6	3.3	995.7	935.8	12.9	6823.6
28/01/2020 20:00	5.6	3.2	996	935.8	12.9	6823.6
28/01/2020 20:15	5.6	3.2	995.9	935.8	12.9	6823.6
28/01/2020 20:30	5.6	3.1	995.8	936	12.9	6823.1
28/01/2020 20:45	5.6	3.2	996	935.8	12.9	6823.6
28/01/2020 21:00	5.6	3.2	996	935.8	12.9	6823.6
28/01/2020 21:15	5.6	3.2	996.3	935.8	12.9	6823.6
28/01/2020 21:30	5.6	3	996.6	936.1	12.8	6822.5
28/01/2020 21:45	5.6	2.9	996.5	935.8	12.9	6823.6
28/01/2020 22:00	5.6	2.8	996.7	935.8	12.9	6823.6
28/01/2020 22:15	5.6	2.8	996.7	936.2	12.9	6822.5
28/01/2020 22:30	5.6	2.8	997.3	936.2	12.9	6822.5
28/01/2020 22:45	5.6	2.7	997.4	936.2	12.9	6822.5
28/01/2020 23:00	5.6	2.6	997.8	936.3	12.9	6822
28/01/2020 23:15	5.6	2.5	997.8	936.2	12.9	6822.5
28/01/2020 23:30	5.6	2.4	998.2	936.3	12.9	6822
28/01/2020 23:45	5.6	2.3	998.5	936	12.9	6823.1
29/01/2020 00:00	5.6	2.2	998.3	936.2	12.9	6822.5
29/01/2020 00:15	5.6	2.1	998.6	936.3	12.9	6822
29/01/2020 00:30	5.6	2.1	998.6	936.3	12.9	6822
29/01/2020 00:45	5.6	2.1	998.7	936.3	12.9	6822
29/01/2020 01:00	5.6	2.1	999	936.2	12.9	6822.5
29/01/2020 01:15	5.6	2.1	998.8	936.3	12.9	6822
29/01/2020 01:30	5.6	2.1	999.2	936.3	12.9	6822
29/01/2020 01:45	5.6	2	999.3	936.3	12.9	6822
29/01/2020 02:00	5.6	2	999.8	936.2	12.9	6822.5
29/01/2020 02:15	5.6	2	999.4	936.3	12.9	6822
29/01/2020 02:30	5.6	2	999.7	936.3	12.8	6822
29/01/2020 02:45	5.6	2	999.8	936.3	12.9	6822
29/01/2020 03:00	5.6	2.1	999.7	936.3	12.9	6822
29/01/2020 03:15	5.6	2.2	999.6	936.2	12.9	6822.5
29/01/2020 03:30	5.6	2.4	999.7	936.1	12.8	6822.5
29/01/2020 03:45	5.6	2.6	1000.1	936.2	12.9	6822.5
29/01/2020 04:00	5.6	2.7	1000.2	936	12.9	6823.1
29/01/2020 04:15	5.6	2.7	1000.6	936.2	12.9	6822.5
29/01/2020 04:30	5.6	2.7	1000.8	936.2	12.9	6822.5
29/01/2020 04:45	5.6	2.7	1000.8	936	12.9	6823.1
29/01/2020 05:00	5.6	2.7	1000.7	936	12.9	6823.1
29/01/2020 05:15	5.6	2.7	1001	936	12.9	6823.1
29/01/2020 05:30	5.6	2.7	1000.8	936.2	12.9	6822.5
29/01/2020 05:45	5.6	2.7	1001.2	936	12.8	6823.1
29/01/2020 06:00	5.6	2.6	1001.6	936	12.9	6823.1
29/01/2020 06:15	5.6	2.5	1002	936	12.9	6823.1
29/01/2020 06:30	5.6	2.4	1001.9	936	12.9	6823.1
29/01/2020 06:45	5.6	2.2	1002.4	935.8	12.9	6823.6
29/01/2020 07:00	5.6	2	1002.3	935.8	12.9	6823.6
29/01/2020 07:15	5.6	1.9	1002.4	935.8	12.9	6823.6
29/01/2020 07:30	5.6	1.9	1002.7	936	12.9	6823.1
29/01/2020 07:45	5.6	2	1003.3	936	12.8	6823.1
29/01/2020 08:00	5.6	2.1	1003.5	935.8	12.9	6823.6

29/01/2020 08:15	5.6	2.4	1003.6	936	12.9	6823.1
29/01/2020 08:30	5.6	2.7	1003.3	936	12.8	6823.1
29/01/2020 08:45	5.6	3	1003.7	936	12.8	6823.1
29/01/2020 09:00	5.6	3.3	1003.7	936.2	12.9	6822.5
29/01/2020 09:15	5.6	3.7	1004.2	936.1	12.8	6822.5
29/01/2020 09:30	5.6	4	1004.1	936.2	12.9	6822.5
29/01/2020 09:45	5.6	4.3	1004.1	936.1	12.8	6822.5
29/01/2020 10:00	5.6	4.6	1004.2	936.3	12.8	6822
29/01/2020 10:15	5.6	4.8	1004.5	936.2	12.9	6822.5
29/01/2020 10:30	5.6	5.2	1004.7	936.5	12.9	6821.5
29/01/2020 10:45	5.6	5.5	1005.2	936.3	12.9	6822
29/01/2020 11:00	5.6	5.8	1005	936.3	12.9	6822
29/01/2020 11:15	5.6	6.6	1005.1	936.3	12.9	6822
29/01/2020 11:30	5.6	7.7	1005.2	936.5	12.8	6821.5
29/01/2020 11:45	5.5	8.7	1005.1	936.3	12.9	6822
29/01/2020 12:00	5.6	8.7	1005	936.5	12.9	6821.5
29/01/2020 12:15	5.6	8.4	1005.2	936.6	12.8	6821
29/01/2020 12:30	5.6	8.2	1005	936.6	12.8	6821
29/01/2020 12:45	5.6	8.3	1005.3	936.6	12.8	6821
29/01/2020 13:00	5.6	8.3	1005.5	936.5	12.8	6821.5
29/01/2020 13:15	5.6	8.2	1005.5	936.5	12.8	6821.5
29/01/2020 13:30	5.6	8.2	1005.5	936.5	12.8	6821.5
29/01/2020 13:45	5.6	8.3	1005.5	936.6	12.8	6821
29/01/2020 14:00	5.6	8.3	1005.4	936.3	12.9	6822
29/01/2020 14:15	5.6	8.4	1005.8	936.3	12.8	6822
29/01/2020 14:30	5.6	8.4	1005.8	936.5	12.8	6821.5
29/01/2020 14:45	5.6	8.3	1006.3	936.5	12.8	6821.5
29/01/2020 15:00	5.6	8.3	1006.4	936.6	12.8	6821
29/01/2020 15:15	5.6	8.1	1006.7	936.5	12.8	6821.5
29/01/2020 15:30	5.6	8	1006.6	936.5	12.9	6821.5
29/01/2020 15:45	5.6	7.8	1006.5	936.5	12.8	6821.5
29/01/2020 16:00	5.6	7.5	1006.8	936.5	12.9	6821.5
29/01/2020 16:15	5.6	7.3	1006.5	936.3	12.8	6822
29/01/2020 16:30	5.6	7.1	1006.9	936.3	12.9	6822
29/01/2020 16:45	5.6	6.9	1006.2	936.3	12.9	6822
29/01/2020 17:00	5.6	6.6	1006.7	936.3	12.8	6822
29/01/2020 17:15	5.6	6.4	1006.8	936.3	12.8	6822
29/01/2020 17:30	5.6	6.2	1006.6	936.3	12.8	6822
29/01/2020 17:45	5.6	6.1	1006.6	936.3	12.8	6822
29/01/2020 18:00	5.6	6.1	1006.4	936.3	12.8	6822
29/01/2020 18:15	5.6	6.1	1006.4	936.1	12.8	6822.5
29/01/2020 18:30	5.6	6.1	1006.3	936.2	12.9	6822.5
29/01/2020 18:45	5.6	6.1	1006.7	936.2	12.9	6822.5
29/01/2020 19:00	5.6	6.1	1007	936.2	12.9	6822.5
29/01/2020 19:15	5.6	6.2	1007	936.3	12.8	6822
29/01/2020 19:30	5.6	6.3	1007.1	936.2	12.9	6822.5
29/01/2020 19:45	5.6	6.5	1006.9	936.3	12.9	6822
29/01/2020 20:00	5.6	6.6	1006.7	936.2	12.9	6822.5
29/01/2020 20:15	5.6	6.7	1006.3	936.2	12.9	6822.5
29/01/2020 20:30	5.6	6.7	1006.3	936.1	12.8	6822.5

29/01/2020 20:45	5.6	6.6	1006.3	936.2	12.9	6822.5
29/01/2020 21:00	5.6	6.4	1006.4	936.3	12.8	6822
29/01/2020 21:15	5.6	6.3	1006.5	936.3	12.8	6822
29/01/2020 21:30	5.6	6.3	1006.4	936	12.8	6823.1
29/01/2020 21:45	5.6	6.2	1006.5	936.2	12.9	6822.5
29/01/2020 22:00	5.6	6.1	1006.5	936.5	12.9	6821.5
29/01/2020 22:15	5.6	6.1	1006.7	936.3	12.9	6822
29/01/2020 22:30	5.6	6.1	1006.4	936.3	12.9	6822
29/01/2020 22:45	5.6	6.2	1006.4	936.3	12.8	6822
29/01/2020 23:00	5.6	6.2	1006.2	936.5	12.8	6821.5
29/01/2020 23:15	5.6	6.2	1006.2	936.5	12.8	6821.5
29/01/2020 23:30	5.6	6.3	1006.2	936.3	12.9	6822
29/01/2020 23:45	5.6	6.4	1006.1	936.3	12.9	6822
30/01/2020 00:00	5.6	6.5	1006	936.3	12.8	6822
30/01/2020 00:15	5.6	6.5	1006.2	936.5	12.8	6821.5
30/01/2020 00:30	5.6	6.5	1006.2	936.6	12.9	6821
30/01/2020 00:45	5.6	6.4	1006.4	936.5	12.8	6821.5
30/01/2020 01:00	5.6	6.2	1006.2	936.6	12.8	6821
30/01/2020 01:15	5.6	6	1006.2	936.5	12.8	6821.5
30/01/2020 01:30	5.6	5.7	1006.1	936.5	12.9	6821.5
30/01/2020 01:45	5.6	5.5	1006	936.5	12.8	6821.5
30/01/2020 02:00	5.6	5.4	1006.2	936.6	12.8	6821
30/01/2020 02:15	5.6	5.3	1005.9	936.5	12.9	6821.5
30/01/2020 02:30	5.6	5.1	1005.9	936.5	12.9	6821.5
30/01/2020 02:45	5.6	5	1005.9	936.5	12.9	6821.5
30/01/2020 03:00	5.6	4.9	1005.4	936.3	12.9	6822
30/01/2020 03:15	5.6	4.7	1005.9	936.5	12.9	6821.5
30/01/2020 03:30	5.6	4.6	1005.5	936.5	12.8	6821.5
30/01/2020 03:45	5.6	4.5	1005.4	936.2	12.9	6822.5
30/01/2020 04:00	5.6	4.6	1005.2	936.2	12.9	6822.5
30/01/2020 04:15	5.6	4.7	1005.3	936.1	12.8	6822.5
30/01/2020 04:30	5.6	4.7	1004.9	936.2	12.9	6822.5
30/01/2020 04:45	5.6	4.8	1004.7	936.3	12.9	6822
30/01/2020 05:00	5.6	4.8	1004.7	936	12.9	6823.1
30/01/2020 05:15	5.6	4.9	1004.4	936.1	12.8	6822.5
30/01/2020 05:30	5.6	5	1004.5	936.3	12.9	6822
30/01/2020 05:45	5.6	5.2	1004.4	936	12.9	6823.1
30/01/2020 06:00	5.6	5.3	1004.3	936.2	12.9	6822.5
30/01/2020 06:15	5.6	5.4	1004.3	936	12.8	6823.1
30/01/2020 06:30	5.6	5.6	1004.3	936	12.9	6823.1
30/01/2020 06:45	5.6	5.6	1004.2	936	12.9	6823.1
30/01/2020 07:00	5.6	5.7	1004.2	936	12.9	6823.1
30/01/2020 07:15	5.6	5.8	1004	936	12.8	6823.1
30/01/2020 07:30	5.6	6	1003.8	935.8	12.8	6823.6
30/01/2020 07:45	5.6	6.3	1003.6	935.8	12.8	6823.6
30/01/2020 08:00	5.6	6.6	1003.8	935.8	12.8	6823.6
30/01/2020 08:15	5.6	6.8	1003.5	935.8	12.8	6823.6
30/01/2020 08:30	5.6	7	1003.2	936	12.9	6823.1
30/01/2020 08:45	5.6	7.3	1003.3	936	12.8	6823.1
30/01/2020 09:00	5.6	7.6	1003.1	935.8	12.8	6823.6

30/01/2020 09:15	5.6	7.8	1002.6	935.8	12.9	6823.6
30/01/2020 09:30	5.6	8.2	1002.2	936	12.8	6823.1
30/01/2020 09:45	5.6	8.6	1001.8	936	12.8	6823.1
30/01/2020 10:00	5.5	9.1	1001.3	935.8	12.8	6823.6
30/01/2020 10:15	5.5	9.7	1000.8	936	12.9	6823.1
30/01/2020 10:30	5.5	9.9	1001.2	936	12.8	6823.1
30/01/2020 10:45	5.5	9.9	1000.7	936	12.8	6823.1
30/01/2020 11:00	5.5	10	1000.6	936.1	12.8	6822.5
30/01/2020 11:15	5.5	9.9	1000.9	936.1	12.8	6822.5
30/01/2020 11:30	5.5	9.8	1000.9	936	12.8	6823.1
30/01/2020 11:45	5.5	9.6	1000.5	936.1	12.8	6822.5
30/01/2020 12:00	5.5	9.5	1000.1	936.1	12.8	6822.5
30/01/2020 12:15	5.5	9.4	999.7	936	12.8	6823.1
30/01/2020 12:30	5.5	9.3	999.5	936.1	12.8	6822.5
30/01/2020 12:45	5.5	9.2	999.2	936	12.8	6823.1
30/01/2020 13:00	5.5	9.2	998.2	936	12.8	6823.1
30/01/2020 13:15	5.5	9.3	997.6	936.1	12.8	6822.5
30/01/2020 13:30	5.5	9.5	997.7	936.1	12.8	6822.5
30/01/2020 13:45	5.5	9.5	996.9	936	12.8	6823.1
30/01/2020 14:00	5.5	9.6	996.6	936	12.8	6823.1
30/01/2020 14:15	5.5	9.7	996.5	936	12.8	6823.1
30/01/2020 14:30	5.5	9.8	996.1	936	12.8	6823.1
30/01/2020 14:45	5.5	9.8	996	936	12.9	6823.1
30/01/2020 15:00	5.5	9.8	995.9	936	12.8	6823.1
30/01/2020 15:15	5.5	9.7	995.6	936	12.9	6823.1
30/01/2020 15:30	5.5	9.6	995.3	936	12.8	6823.1
30/01/2020 15:45	5.5	9.5	995.3	936	12.9	6823.1
30/01/2020 16:00	5.5	9.4	995	935.8	12.9	6823.6
30/01/2020 16:15	5.5	9.3	995.3	935.6	12.8	6824.1
30/01/2020 16:30	5.5	9.3	995.1	935.8	12.8	6823.6
30/01/2020 16:45	5.5	9.3	995.3	935.8	12.9	6823.6
30/01/2020 17:00	5.5	9.4	995.1	935.6	12.8	6824.1
30/01/2020 17:15	5.5	9.5	995.3	935.5	12.9	6824.6
30/01/2020 17:30	5.5	9.7	995.1	935.8	12.8	6823.6
30/01/2020 17:45	5.5	10	995.2	935.5	12.9	6824.6
30/01/2020 18:00	5.5	10.1	995.2	935.6	12.8	6824.1
30/01/2020 18:15	5.5	10.3	995.3	935.5	12.9	6824.6
30/01/2020 18:30	5.5	10.5	995.4	935.5	12.8	6824.6
30/01/2020 18:45	5.5	10.6	995.5	935.3	12.9	6825.2
30/01/2020 19:00	5.5	10.7	995.4	935.5	12.8	6824.6
30/01/2020 19:15	5.5	10.8	995.8	935.5	12.8	6824.6
30/01/2020 19:30	5.5	10.7	995.7	935.5	12.8	6824.6
30/01/2020 19:45	5.5	10.6	995.8	935.5	12.8	6824.6
30/01/2020 20:00	5.5	10.4	996.7	935.5	12.8	6824.6
30/01/2020 20:15	5.5	10.4	996.8	935.5	12.8	6824.6
30/01/2020 20:30	5.5	10.7	997.3	935.5	12.8	6824.6
30/01/2020 20:45	5.5	10.8	997.1	935.5	12.8	6824.6
30/01/2020 21:00	5.5	10.8	997.2	935.5	12.8	6824.6
30/01/2020 21:15	5.5	10.8	997.5	935.6	12.8	6824.1
30/01/2020 21:30	5.5	10.8	998.3	935.8	12.8	6823.6

30/01/2020 21:45	5.5	10.8	998.1	935.8	12.8	6823.6
30/01/2020 22:00	5.5	10.8	998.2	935.8	12.8	6823.6
30/01/2020 22:15	5.5	10.7	998.7	935.6	12.8	6824.1
30/01/2020 22:30	5.5	10.6	998.7	936	12.8	6823.1
30/01/2020 22:45	5.5	10.5	998.8	935.8	12.9	6823.6
30/01/2020 23:00	5.5	10.2	998.8	936	12.8	6823.1
30/01/2020 23:15	5.5	10	999.1	936	12.8	6823.1
30/01/2020 23:30	5.5	9.9	999.5	936	12.8	6823.1
30/01/2020 23:45	5.5	9.8	999.6	936.3	12.8	6822
31/01/2020 00:00	5.5	9.6	1000.2	936.1	12.8	6822.5
31/01/2020 00:15	5.5	9.5	1000	936.1	12.8	6822.5
31/01/2020 00:30	5.5	9.4	1000.7	936.2	12.9	6822.5
31/01/2020 00:45	5.5	9.2	1001.6	936.3	12.8	6822
31/01/2020 01:00	5.5	8.9	1001.5	936.3	12.9	6822
31/01/2020 01:15	5.5	8.7	1001.6	936.3	12.9	6822
31/01/2020 01:30	5.5	8.5	1001.4	936.3	12.8	6822
31/01/2020 01:45	5.5	8.5	1001.9	936.2	12.9	6822.5
31/01/2020 02:00	5.5	8.5	1001.8	936.3	12.9	6822
31/01/2020 02:15	5.5	8.5	1001.9	936.3	12.8	6822
31/01/2020 02:30	5.5	8.5	1001.8	936.3	12.8	6822
31/01/2020 02:45	5.5	8.4	1001.4	936.3	12.8	6822
31/01/2020 03:00	5.5	8.3	1001.9	936.5	12.8	6821.5
31/01/2020 03:15	5.6	8.1	1001.6	936.3	12.9	6822
31/01/2020 03:30	5.6	7.9	1001.9	936.3	12.8	6822
31/01/2020 03:45	5.6	7.8	1001.9	936.3	12.9	6822
31/01/2020 04:00	5.6	7.8	1002	936.5	12.8	6821.5
31/01/2020 04:15	5.6	7.7	1002.2	936.2	12.9	6822.5
31/01/2020 04:30	5.6	7.6	1002.5	936.3	12.8	6822
31/01/2020 04:45	5.6	7.5	1002.3	936.1	12.8	6822.5
31/01/2020 05:00	5.6	7.5	1002.5	936.3	12.9	6822
31/01/2020 05:15	5.6	7.5	1002.8	936.3	12.8	6822
31/01/2020 05:30	5.6	7.5	1002.7	936.2	12.9	6822.5
31/01/2020 05:45	5.6	7.5	1002.4	936.2	12.9	6822.5
31/01/2020 06:00	5.6	7.6	1002.3	936.1	12.8	6822.5
31/01/2020 06:15	5.6	7.6	1002.3	936.1	12.8	6822.5
31/01/2020 06:30	5.6	7.5	1002.7	936.1	12.8	6822.5
31/01/2020 06:45	5.6	7.5	1002.4	936	12.8	6823.1
31/01/2020 07:00	5.6	7.5	1002.8	936	12.8	6823.1
31/01/2020 07:15	5.6	7.5	1002.8	936.2	12.9	6822.5
31/01/2020 07:30	5.6	7.5	1003	936	12.8	6823.1
31/01/2020 07:45	5.6	7.5	1002.7	936.1	12.8	6822.5
31/01/2020 08:00	5.6	7.6	1003.1	936	12.8	6823.1
31/01/2020 08:15	5.6	7.8	1003	936	12.8	6823.1
31/01/2020 08:30	5.5	8.1	1002.8	936	12.8	6823.1
31/01/2020 08:45	5.5	8.5	1002.8	936.1	12.8	6822.5
31/01/2020 09:00	5.5	9	1002.8	936	12.8	6823.1
31/01/2020 09:15	5.5	9.5	1003	936.1	12.8	6822.5
31/01/2020 09:30	5.5	9.9	1002.9	936.1	12.8	6822.5
31/01/2020 09:45	5.5	10.3	1002.8	936	12.8	6823.1
31/01/2020 10:00	5.5	10.8	1003	936.1	12.8	6822.5

31/01/2020 10:15	5.5	11.3	1002.7	936.1	12.8	6822.5
31/01/2020 10:30	5.5	11.8	1002.5	936.3	12.8	6822
31/01/2020 10:45	5.5	12.3	1002.5	936.1	12.8	6822.5
31/01/2020 11:00	5.5	12.8	1002.6	936.1	12.8	6822.5
31/01/2020 11:15	5.5	13.2	1002.6	936.3	12.8	6822
31/01/2020 11:30	5.5	13.5	1002.7	936.3	12.8	6822
31/01/2020 11:45	5.5	13.5	1002.4	936.3	12.8	6822
31/01/2020 12:00	5.5	13.5	1002.3	936.3	12.8	6822
31/01/2020 12:15	5.5	13.4	1002.3	936.3	12.8	6822
31/01/2020 12:30	5.5	13.5	1002.2	936.3	12.8	6822
31/01/2020 12:45	5.5	13.5	1001.8	936.3	12.8	6822
31/01/2020 13:00	5.5	13.6	1001.1	936.3	12.8	6822
31/01/2020 13:15	5.5	13.5	1001	936.3	12.9	6822
31/01/2020 13:30	5.5	13.4	1001.1	936.3	12.8	6822
31/01/2020 13:45	5.5	13.1	1001.1	936.3	12.8	6822
31/01/2020 14:00	5.5	12.9	1001.1	936.3	12.8	6822
31/01/2020 14:15	5.5	12.7	1000.9	936.3	12.8	6822
31/01/2020 14:30	5.5	12.6	1000.8	936.1	12.8	6822.5
31/01/2020 14:45	5.5	12.5	1001.1	936.3	12.8	6822
31/01/2020 15:00	5.5	12.5	1001.1	936.3	12.8	6822
31/01/2020 15:15	5.5	12.5	1001.2	936.3	12.8	6822
31/01/2020 15:30	5.5	12.3	1000.9	936.3	12.8	6822
31/01/2020 15:45	5.5	12.2	1001.1	936.3	12.8	6822
31/01/2020 16:00	5.5	12	1001.3	936.3	12.8	6822
31/01/2020 16:15	5.5	11.9	1001.1	936.1	12.8	6822.5
31/01/2020 16:30	5.5	11.7	1000.8	936.1	12.8	6822.5
31/01/2020 16:45	5.5	11.6	1001	936.3	12.8	6822
31/01/2020 17:00	5.5	11.4	1000.9	936	12.8	6823.1
31/01/2020 17:15	5.5	11.4	1000.7	936	12.8	6823.1
31/01/2020 17:30	5.5	11.3	1000.7	936.1	12.8	6822.5
31/01/2020 17:45	5.5	11.2	1000.8	936	12.8	6823.1
31/01/2020 18:00	5.5	11.1	1000.5	936	12.8	6823.1
31/01/2020 18:15	5.5	10.9	1000.5	936	12.8	6823.1
31/01/2020 18:30	5.5	10.8	1000	935.8	12.8	6823.6
31/01/2020 18:45	5.5	10.7	1000	936	12.8	6823.1
31/01/2020 19:00	5.5	10.6	1000.1	935.8	12.8	6823.6
31/01/2020 19:15	5.5	10.5	1000.3	936	12.9	6823.1
31/01/2020 19:30	5.5	10.4	999.8	935.8	12.8	6823.6
31/01/2020 19:45	5.5	10.4	1000.2	935.8	12.8	6823.6
31/01/2020 20:00	5.5	10.5	999.7	935.8	12.8	6823.6
31/01/2020 20:15	5.5	10.6	999.7	935.8	12.8	6823.6
31/01/2020 20:30	5.5	10.8	999.5	935.8	12.8	6823.6
31/01/2020 20:45	5.5	10.8	999.5	935.8	12.8	6823.6
31/01/2020 21:00	5.5	10.9	999.4	936	12.8	6823.1
31/01/2020 21:15	5.5	10.9	999.8	935.8	12.8	6823.6
31/01/2020 21:30	5.5	11	999.5	935.8	12.8	6823.6
31/01/2020 21:45	5.5	11	999.1	935.8	12.8	6823.6
31/01/2020 22:00	5.5	11	999.1	935.8	12.9	6823.6
31/01/2020 22:15	5.5	11	998.8	935.8	12.8	6823.6
31/01/2020 22:30	5.5	11	998.3	935.8	12.8	6823.6

31/01/2020 22:45	5.5	11.1	998	935.8	12.8	6823.6
31/01/2020 23:00	5.5	11.1	998	936	12.8	6823.1
31/01/2020 23:15	5.5	11.1	997.8	935.8	12.8	6823.6
31/01/2020 23:30	5.5	11	997.6	935.8	12.8	6823.6
31/01/2020 23:45	5.5	11	998.2	936	12.8	6823.1
01/02/2020 00:00	5.5	10.8	998	935.8	12.8	6823.6
01/02/2020 00:15	5.5	10.6	997.5	936	12.8	6823.1
01/02/2020 00:30	5.5	10.4	997.9	936	12.8	6823.1
01/02/2020 00:45	5.5	10.4	998	936	12.9	6823.1
01/02/2020 01:00	5.5	10.4	998.1	936	12.8	6823.1
01/02/2020 01:15	5.5	10.4	997.8	936	12.8	6823.1
01/02/2020 01:30	5.5	10.4	997.7	936	12.8	6823.1
01/02/2020 01:45	5.5	10.4	997.8	936	12.8	6823.1
01/02/2020 02:00	5.5	10.3	998	935.8	12.8	6823.6
01/02/2020 02:15	5.5	10.2	997.7	936.1	12.8	6822.5
01/02/2020 02:30	5.5	10.3	997.5	936	12.8	6823.1
01/02/2020 02:45	5.5	10.3	997.1	936.2	12.9	6822.5
01/02/2020 03:00	5.5	10.4	997.2	935.8	12.8	6823.6
01/02/2020 03:15	5.5	10.3	997	935.8	12.8	6823.6
01/02/2020 03:30	5.5	10.2	996.8	936.1	12.8	6822.5
01/02/2020 03:45	5.5	10.1	996.7	935.8	12.8	6823.6
01/02/2020 04:00	5.5	9.9	996.8	936	12.8	6823.1
01/02/2020 04:15	5.5	9.9	997	935.8	12.8	6823.6
01/02/2020 04:30	5.5	9.9	996.8	936	12.8	6823.1
01/02/2020 04:45	5.5	9.8	997.3	936.2	12.9	6822.5
01/02/2020 05:00	5.5	9.7	997	935.8	12.8	6823.6
01/02/2020 05:15	5.5	9.7	997	935.8	12.9	6823.6
01/02/2020 05:30	5.5	9.6	996.7	935.6	12.8	6824.1
01/02/2020 05:45	5.5	9.5	996.1	935.8	12.9	6823.6
01/02/2020 06:00	5.5	9.4	996.5	935.6	12.8	6824.1
01/02/2020 06:15	5.5	9.4	996.3	935.5	12.8	6824.6
01/02/2020 06:30	5.5	9.3	995.8	935.5	12.8	6824.6
01/02/2020 06:45	5.5	9.3	995.8	935.5	12.8	6824.6
01/02/2020 07:00	5.5	9.3	996.1	935.6	12.8	6824.1
01/02/2020 07:15	5.5	9.3	996.3	935.5	12.8	6824.6
01/02/2020 07:30	5.5	9.4	996.5	935.6	12.8	6824.1
01/02/2020 07:45	5.5	9.4	996.5	935.5	12.8	6824.6
01/02/2020 08:00	5.5	9.4	996.7	935.5	12.8	6824.6
01/02/2020 08:15	5.5	9.4	996.6	935.6	12.8	6824.1
01/02/2020 08:30	5.5	9.5	996.6	935.3	12.8	6825.2
01/02/2020 08:45	5.5	9.7	996.7	935.5	12.8	6824.6
01/02/2020 09:00	5.5	9.9	997.1	935.5	12.8	6824.6
01/02/2020 09:15	5.5	10.2	997.4	935.5	12.8	6824.6
01/02/2020 09:30	5.5	10.4	997.2	935.8	12.8	6823.6
01/02/2020 09:45	5.5	10.6	997.3	935.5	12.8	6824.6
01/02/2020 10:00	5.5	10.8	998	935.8	12.8	6823.6
01/02/2020 10:15	5.5	10.9	998	935.5	12.8	6824.6
01/02/2020 10:30	5.5	10.9	997.9	935.6	12.8	6824.1
01/02/2020 10:45	5.5	11	997.8	935.8	12.9	6823.6
01/02/2020 11:00	5.5	11.1	998.2	935.6	12.8	6824.1

01/02/2020 11:15	5.5	11.7	998.3	935.8	12.8	6823.6
01/02/2020 11:30	5.5	12.8	998.4	935.8	12.8	6823.6
01/02/2020 11:45	5.5	13.5	997.8	935.8	12.8	6823.6
01/02/2020 12:00	5.5	13.6	998	935.8	12.8	6823.6
01/02/2020 12:15	5.5	13.2	998.1	935.8	12.8	6823.6
01/02/2020 12:30	5.5	12.9	998.1	936	12.8	6823.1
01/02/2020 12:45	5.5	12.9	998.4	936	12.8	6823.1
01/02/2020 13:00	5.5	12.7	998.4	936	12.8	6823.1
01/02/2020 13:15	5.5	12.9	998.3	936	12.8	6823.1
01/02/2020 13:30	5.5	13.1	998.1	935.8	12.8	6823.6
01/02/2020 13:45	5.5	12.9	998.5	936	12.8	6823.1
01/02/2020 14:00	5.5	12.5	998.8	936	12.9	6823.1
01/02/2020 14:15	5.5	12.1	998.9	936	12.8	6823.1
01/02/2020 14:30	5.5	11.8	999.1	936.1	12.8	6822.5
01/02/2020 14:45	5.5	11.5	999.2	936.3	12.8	6822
01/02/2020 15:00	5.5	11.2	998.7	936.1	12.8	6822.5
01/02/2020 15:15	5.5	11	999.4	936	12.8	6823.1
01/02/2020 15:30	5.5	10.8	999.3	936.3	12.8	6822
01/02/2020 15:45	5.5	10.5	999.6	936.1	12.8	6822.5
01/02/2020 16:00	5.5	10.2	999.8	936.1	12.8	6822.5
01/02/2020 16:15	5.5	9.9	1000.2	936.1	12.8	6822.5
01/02/2020 16:30	5.5	9.5	1000.3	936.1	12.8	6822.5
01/02/2020 16:45	5.5	9.1	1000.7	936.3	12.8	6822
01/02/2020 17:00	5.5	8.7	1001.1	936.1	12.8	6822.5
01/02/2020 17:15	5.5	8.4	1001.1	936.1	12.8	6822.5
01/02/2020 17:30	5.5	8.3	1001.5	936	12.8	6823.1
01/02/2020 17:45	5.5	8.1	1001.6	936	12.8	6823.1
01/02/2020 18:00	5.5	8.1	1001.8	936.1	12.8	6822.5
01/02/2020 18:15	5.5	8	1001.8	936.1	12.8	6822.5
01/02/2020 18:30	5.5	8.1	1001.8	936.1	12.8	6822.5
01/02/2020 18:45	5.5	8.3	1002.3	936	12.8	6823.1
01/02/2020 19:00	5.5	8.5	1002.3	936.1	12.8	6822.5
01/02/2020 19:15	5.5	8.5	1002.5	936.1	12.8	6822.5
01/02/2020 19:30	5.5	8.4	1002.8	936	12.8	6823.1
01/02/2020 19:45	5.5	8.4	1003	936	12.8	6823.1
01/02/2020 20:00	5.5	8.5	1003	936	12.8	6823.1
01/02/2020 20:15	5.5	8.4	1003.7	936	12.8	6823.1
01/02/2020 20:30	5.5	8.3	1004	936	12.8	6823.1
01/02/2020 20:45	5.5	8.4	1003.9	936.1	12.8	6822.5
01/02/2020 21:00	5.5	8.4	1003.8	936.1	12.8	6822.5
01/02/2020 21:15	5.5	8.4	1004.5	936	12.9	6823.1
01/02/2020 21:30	5.5	8.1	1005	936.1	12.8	6822.5
01/02/2020 21:45	5.5	7.8	1005.1	936.1	12.8	6822.5
01/02/2020 22:00	5.5	7.6	1005.5	936.3	12.8	6822
01/02/2020 22:15	5.5	7.4	1005.3	936.2	12.9	6822.5
01/02/2020 22:30	5.5	7.3	1005.1	936.3	12.8	6822
01/02/2020 22:45	5.5	7.2	1005.6	936.1	12.8	6822.5
01/02/2020 23:00	5.5	7.1	1006.1	936.3	12.8	6822
01/02/2020 23:15	5.6	7.1	1005.8	936.3	12.8	6822
01/02/2020 23:30	5.5	7	1006.1	936.3	12.8	6822

01/02/2020 23:45	5.5	7	1006.3	936.5	12.9	6821.5
02/02/2020 00:00	5.6	6.9	1006.3	936.5	12.8	6821.5
02/02/2020 00:15	5.6	6.8	1006.4	936.5	12.8	6821.5
02/02/2020 00:30	5.6	6.8	1006.5	936.5	12.8	6821.5
02/02/2020 00:45	5.6	6.8	1006.6	936.5	12.8	6821.5
02/02/2020 01:00	5.6	6.8	1006.3	936.5	12.8	6821.5
02/02/2020 01:15	5.6	6.8	1006.5	936.5	12.8	6821.5
02/02/2020 01:30	5.6	6.8	1006.7	936.5	12.8	6821.5
02/02/2020 01:45	5.6	6.8	1006.5	936.6	12.8	6821
02/02/2020 02:00	5.6	6.8	1006.3	936.8	12.8	6820.5
02/02/2020 02:15	5.6	6.8	1006.1	936.6	12.9	6821
02/02/2020 02:30	5.6	6.8	1006.5	936.6	12.9	6821
02/02/2020 02:45	5.6	6.8	1006	936.6	12.8	6821
02/02/2020 03:00	5.6	6.8	1005.8	936.6	12.8	6821
02/02/2020 03:15	5.6	6.8	1005.5	936.6	12.9	6821
02/02/2020 03:30	5.6	6.8	1005.3	936.6	12.8	6821
02/02/2020 03:45	5.6	6.8	1004.8	936.6	12.8	6821
02/02/2020 04:00	5.6	6.8	1004.9	936.6	12.8	6821
02/02/2020 04:15	5.6	6.8	1004.5	936.6	12.8	6821
02/02/2020 04:30	5.6	6.8	1004.1	936.5	12.8	6821.5
02/02/2020 04:45	5.6	6.8	1004.1	936.5	12.9	6821.5
02/02/2020 05:00	5.6	6.7	1003.8	936.5	12.8	6821.5
02/02/2020 05:15	5.6	6.7	1003	936.5	12.8	6821.5
02/02/2020 05:30	5.6	6.7	1002.8	936.3	12.8	6822
02/02/2020 05:45	5.6	6.7	1001.6	936.3	12.8	6822
02/02/2020 06:00	5.6	6.8	1001.4	936.1	12.8	6822.5
02/02/2020 06:15	5.6	6.9	1001.2	936.3	12.8	6822
02/02/2020 06:30	5.6	7	1001.4	936.2	12.9	6822.5
02/02/2020 06:45	5.6	7	1001.5	936.1	12.8	6822.5
02/02/2020 07:00	5.6	7	1001.2	936.3	12.9	6822
02/02/2020 07:15	5.6	7	1000.7	936.2	12.9	6822.5
02/02/2020 07:30	5.6	7	1000.8	936.2	12.9	6822.5
02/02/2020 07:45	5.6	7	1000.3	936.1	12.8	6822.5
02/02/2020 08:00	5.6	7.1	1000.3	936	12.8	6823.1
02/02/2020 08:15	5.6	7.1	999.9	935.8	12.8	6823.6
02/02/2020 08:30	5.6	7.2	999.7	935.8	12.9	6823.6
02/02/2020 08:45	5.5	7.4	1000.2	935.8	12.8	6823.6
02/02/2020 09:00	5.5	7.6	999.4	936	12.8	6823.1
02/02/2020 09:15	5.5	7.8	999.8	935.8	12.8	6823.6
02/02/2020 09:30	5.5	8.1	999.3	935.8	12.8	6823.6
02/02/2020 09:45	5.5	8.3	999.4	935.8	12.8	6823.6
02/02/2020 10:00	5.5	8.6	999.4	935.8	12.8	6823.6
02/02/2020 10:15	5.5	9	999.7	935.8	12.8	6823.6
02/02/2020 10:30	5.5	9.3	999.8	935.8	12.8	6823.6
02/02/2020 10:45	5.5	9.7	1000.1	935.8	12.8	6823.6
02/02/2020 11:00	5.5	10.3	1000.3	936	12.9	6823.1
02/02/2020 11:15	5.5	10.6	1000.5	935.8	12.8	6823.6
02/02/2020 11:30	5.5	10.6	1000.8	935.8	12.8	6823.6
02/02/2020 11:45	5.5	10.7	1000.8	936	12.8	6823.1
02/02/2020 12:00	5.5	10.9	1000.7	935.8	12.8	6823.6

02/02/2020 12:15	5.5	11.2	1000.9	935.8	12.8	6823.6
02/02/2020 12:30	5.5	11.6	1000.7	936	12.8	6823.1
02/02/2020 12:45	5.5	12	1000.9	936	12.8	6823.1
02/02/2020 13:00	5.5	12.5	1000.9	936	12.8	6823.1
02/02/2020 13:15	5.5	12.9	1001.4	936.1	12.8	6822.5
02/02/2020 13:30	5.5	13.1	1001.8	936.3	12.8	6822
02/02/2020 13:45	5.5	13.1	1001.8	936.1	12.8	6822.5
02/02/2020 14:00	5.5	13.2	1001.9	936.1	12.8	6822.5
02/02/2020 14:15	5.5	13.2	1002.2	936.1	12.8	6822.5
02/02/2020 14:30	5.5	13.1	1002.8	936.1	12.8	6822.5
02/02/2020 14:45	5.5	13	1002.7	936.1	12.8	6822.5
02/02/2020 15:00	5.5	12.9	1003	936.3	12.8	6822
02/02/2020 15:15	5.5	12.6	1002.8	936.2	12.9	6822.5
02/02/2020 15:30	5.5	12.4	1003.2	936.5	12.8	6821.5
02/02/2020 15:45	5.5	12.1	1003	936.3	12.8	6822
02/02/2020 16:00	5.5	11.8	1003.1	936.3	12.8	6822
02/02/2020 16:15	5.5	11.5	1003.4	936.1	12.8	6822.5
02/02/2020 16:30	5.5	11.2	1003.5	936.3	12.8	6822
02/02/2020 16:45	5.5	10.9	1003.8	936.3	12.8	6822
02/02/2020 17:00	5.5	10.7	1004.2	936.5	12.8	6821.5
02/02/2020 17:15	5.5	10.6	1004.3	936.3	12.8	6822
02/02/2020 17:30	5.5	10.5	1004.2	936.3	12.8	6822
02/02/2020 17:45	5.5	10.4	1004.4	936.1	12.8	6822.5
02/02/2020 18:00	5.5	10.3	1003.9	936.1	12.8	6822.5
02/02/2020 18:15	5.5	10.3	1004.5	936.3	12.8	6822
02/02/2020 18:30	5.5	10.4	1004.4	936.3	12.8	6822
02/02/2020 18:45	5.5	10.3	1004.6	936.1	12.8	6822.5
02/02/2020 19:00	5.5	10.2	1004.7	936.1	12.8	6822.5
02/02/2020 19:15	5.5	10.1	1004.8	936.1	12.8	6822.5
02/02/2020 19:30	5.5	10.1	1004.6	936	12.8	6823.1
02/02/2020 19:45	5.5	10	1004.3	936.1	12.8	6822.5
02/02/2020 20:00	5.5	9.9	1004.6	936	12.8	6823.1
02/02/2020 20:15	5.5	9.7	1004.5	936	12.8	6823.1
02/02/2020 20:30	5.5	9.5	1004.4	936.1	12.8	6822.5
02/02/2020 20:45	5.5	9.3	1004	936	12.8	6823.1
02/02/2020 21:00	5.5	9.1	1004.2	936	12.8	6823.1
02/02/2020 21:15	5.5	9	1004.4	936.2	12.9	6822.5
02/02/2020 21:30	5.5	8.9	1004.6	936	12.8	6823.1
02/02/2020 21:45	5.5	8.8	1004.7	936.1	12.8	6822.5
02/02/2020 22:00	5.5	8.8	1004.3	936	12.8	6823.1
02/02/2020 22:15	5.5	8.9	1004.8	936	12.8	6823.1
02/02/2020 22:30	5.5	8.8	1004.4	936.1	12.8	6822.5
02/02/2020 22:45	5.5	8.8	1004.5	936.1	12.8	6822.5
02/02/2020 23:00	5.5	8.8	1004.6	935.8	12.8	6823.6
02/02/2020 23:15	5.5	8.8	1004.7	936	12.8	6823.1
02/02/2020 23:30	5.5	8.7	1004.6	936	12.8	6823.1
02/02/2020 23:45	5.5	8.6	1004.6	936.1	12.8	6822.5
03/02/2020 00:00	5.5	8.6	1004.8	936.1	12.8	6822.5
03/02/2020 00:15	5.5	8.6	1004.7	936	12.8	6823.1
03/02/2020 00:30	5.5	8.6	1005	936.3	12.8	6822

03/02/2020 00:45	5.5	8.6	1004.8	936.1	12.8	6822.5
03/02/2020 01:00	5.5	8.7	1004.8	936.1	12.8	6822.5
03/02/2020 01:15	5.5	8.7	1005	936.1	12.8	6822.5
03/02/2020 01:30	5.5	8.7	1005.3	936.1	12.8	6822.5
03/02/2020 01:45	5.5	8.7	1005.1	936.1	12.8	6822.5
03/02/2020 02:00	5.5	8.7	1005.3	936.3	12.9	6822
03/02/2020 02:15	5.5	8.7	1005.2	936.1	12.8	6822.5
03/02/2020 02:30	5.5	8.6	1005.4	936.3	12.8	6822
03/02/2020 02:45	5.5	8.5	1005.3	936.3	12.8	6822
03/02/2020 03:00	5.5	8.5	1005.5	936.3	12.8	6822
03/02/2020 03:15	5.5	8.4	1005.5	936.3	12.8	6822
03/02/2020 03:30	5.5	8.4	1005.8	936.3	12.8	6822
03/02/2020 03:45	5.5	8.3	1005.9	936.5	12.8	6821.5
03/02/2020 04:00	5.5	8.2	1005.8	936.5	12.8	6821.5
03/02/2020 04:15	5.5	8.2	1006	936.5	12.8	6821.5
03/02/2020 04:30	5.5	8.1	1006.3	936.5	12.8	6821.5
03/02/2020 04:45	5.5	8.1	1006.3	936.3	12.8	6822
03/02/2020 05:00	5.5	8.1	1006.2	936.6	12.8	6821
03/02/2020 05:15	5.5	8	1006.6	936.5	12.8	6821.5
03/02/2020 05:30	5.5	7.9	1006.7	936.3	12.8	6822
03/02/2020 05:45	5.5	7.9	1007	936.5	12.9	6821.5
03/02/2020 06:00	5.5	7.8	1006.8	936.3	12.8	6822
03/02/2020 06:15	5.5	7.7	1007.1	936.3	12.8	6822
03/02/2020 06:30	5.5	7.7	1007	936.5	12.8	6821.5
03/02/2020 06:45	5.5	7.7	1007.7	936.3	12.8	6822
03/02/2020 07:00	5.5	7.6	1007.8	936.3	12.8	6822
03/02/2020 07:15	5.5	7.7	1007.9	936.3	12.8	6822
03/02/2020 07:30	5.5	7.8	1008.3	936.1	12.8	6822.5
03/02/2020 07:45	5.5	7.8	1008.7	936.5	12.8	6821.5
03/02/2020 08:00	5.5	7.7	1008.9	936.3	12.8	6822
03/02/2020 08:15	5.5	7.8	1009.2	936.3	12.8	6822
03/02/2020 08:30	5.5	8	1009.1	936.3	12.9	6822
03/02/2020 08:45	5.5	8.1	1009.7	936.3	12.8	6822
03/02/2020 09:00	5.5	8.3	1009.7	936.3	12.8	6822
03/02/2020 09:15	5.5	8.5	1009.5	936.3	12.8	6822
03/02/2020 09:30	5.5	8.9	1009.6	936.3	12.8	6822
03/02/2020 09:45	5.5	9.4	1009.6	936.3	12.8	6822
03/02/2020 10:00	5.5	9.8	1009.8	936.1	12.8	6822.5
03/02/2020 10:15	5.5	10.1	1010.1	936.3	12.8	6822
03/02/2020 10:30	5.5	10.6	1010	936.1	12.8	6822.5
03/02/2020 10:45	5.5	11.3	1010.1	936.1	12.8	6822.5
03/02/2020 11:00	5.5	11.9	1010	936.1	12.8	6822.5
03/02/2020 11:15	5.5	12.4	1009.9	936.3	12.8	6822
03/02/2020 11:30	5.5	12.9	1009.5	936.1	12.8	6822.5
03/02/2020 11:45	5.5	13.2	1009.2	936.1	12.8	6822.5
03/02/2020 12:00	5.5	13.4	1009	936.1	12.8	6822.5
03/02/2020 12:15	5.5	13.6	1009	936.3	12.8	6822
03/02/2020 12:30	5.5	13.9	1008.8	936.1	12.8	6822.5
03/02/2020 12:45	5.5	14.1	1008.8	936.3	12.8	6822
03/02/2020 13:00	5.5	14	1008.8	936.3	12.8	6822

03/02/2020 13:15	5.5	13.6	1008.7	936.1	12.8	6822.5
03/02/2020 13:30	5.5	13.3	1008.6	936.3	12.8	6822
03/02/2020 13:45	5.5	13.1	1008.4	936.1	12.8	6822.5
03/02/2020 14:00	5.5	12.8	1008.3	936.3	12.8	6822
03/02/2020 14:15	5.5	12.4	1008	936.3	12.8	6822
03/02/2020 14:30	5.5	11.9	1007.8	936.3	12.8	6822
03/02/2020 14:45	5.5	11.5	1008	936.3	12.8	6822
03/02/2020 15:00	5.5	11.2	1007.8	936.3	12.8	6822
03/02/2020 15:15	5.5	11.1	1007.9	936.5	12.8	6821.5
03/02/2020 15:30	5.5	10.9	1007.4	936.3	12.8	6822
03/02/2020 15:45	5.5	10.8	1007.7	936.3	12.9	6822
03/02/2020 16:00	5.5	10.5	1007.5	936.5	12.8	6821.5
03/02/2020 16:15	5.5	10.3	1007.2	936.3	12.8	6822
03/02/2020 16:30	5.5	10.1	1007.5	936.3	12.8	6822
03/02/2020 16:45	5.5	9.9	1007.7	936.5	12.8	6821.5
03/02/2020 17:00	5.5	9.6	1007.5	936.5	12.8	6821.5
03/02/2020 17:15	5.5	9.4	1007.2	936.5	12.8	6821.5
03/02/2020 17:30	5.5	9.2	1007.1	936.3	12.8	6822
03/02/2020 17:45	5.5	9	1007.5	936.5	12.8	6821.5
03/02/2020 18:00	5.5	8.8	1007.1	936.5	12.9	6821.5
03/02/2020 18:15	5.5	8.6	1006.9	936.3	12.8	6822
03/02/2020 18:30	5.5	8.4	1006.8	936.5	12.8	6821.5
03/02/2020 18:45	5.5	8.2	1006.6	936.5	12.8	6821.5
03/02/2020 19:00	5.5	8.1	1006.9	936.3	12.8	6822
03/02/2020 19:15	5.5	8.1	1006.8	936.3	12.8	6822
03/02/2020 19:30	5.5	8	1006.8	936.3	12.8	6822
03/02/2020 19:45	5.5	7.9	1006.7	936.3	12.8	6822
03/02/2020 20:00	5.5	7.8	1006.8	936.3	12.8	6822
03/02/2020 20:15	5.5	7.6	1006.9	936.3	12.8	6822
03/02/2020 20:30	5.5	7.3	1007.1	936.3	12.8	6822
03/02/2020 20:45	5.5	7	1007.2	936.3	12.8	6822
03/02/2020 21:00	5.5	6.7	1007.2	936.5	12.8	6821.5
03/02/2020 21:15	5.5	6.4	1007.6	936.1	12.8	6822.5
03/02/2020 21:30	5.6	6.2	1007.5	936.1	12.8	6822.5
03/02/2020 21:45	5.6	6	1007.6	936.3	12.9	6822
03/02/2020 22:00	5.6	5.7	1008	936.3	12.8	6822
03/02/2020 22:15	5.6	5.4	1007.9	936.1	12.8	6822.5
03/02/2020 22:30	5.6	5.2	1007.8	936.3	12.8	6822
03/02/2020 22:45	5.6	5.1	1008	936.3	12.8	6822
03/02/2020 23:00	5.6	5	1007.8	936.5	12.9	6821.5
03/02/2020 23:15	5.6	5	1008.1	936.5	12.8	6821.5
03/02/2020 23:30	5.6	5	1008.1	936.1	12.8	6822.5
03/02/2020 23:45	5.6	4.9	1008	936.3	12.9	6822
04/02/2020 00:00	5.6	4.8	1008.2	936.5	12.8	6821.5
04/02/2020 00:15	5.6	4.6	1008.3	936.3	12.8	6822
04/02/2020 00:30	5.6	4.5	1008.1	936.5	12.8	6821.5
04/02/2020 00:45	5.6	4.4	1008.1	936.6	12.8	6821
04/02/2020 01:00	5.6	4.4	1008.5	936.5	12.8	6821.5
04/02/2020 01:15	5.6	4.4	1008.7	936.5	12.8	6821.5
04/02/2020 01:30	5.6	4.4	1008.4	936.5	12.8	6821.5

04/02/2020 01:45	5.6	4.3	1008.5	936.6	12.8	6821
04/02/2020 02:00	5.6	4.3	1008.5	936.5	12.8	6821.5
04/02/2020 02:15	5.6	4.2	1008.4	936.6	12.8	6821
04/02/2020 02:30	5.6	4.1	1008.8	936.6	12.8	6821
04/02/2020 02:45	5.6	4	1008.9	936.6	12.8	6821
04/02/2020 03:00	5.6	4	1008.8	936.5	12.9	6821.5
04/02/2020 03:15	5.6	3.9	1008.7	936.8	12.8	6820.5
04/02/2020 03:30	5.6	4	1008.6	936.6	12.8	6821
04/02/2020 03:45	5.6	4	1009.2	936.6	12.8	6821
04/02/2020 04:00	5.6	4.1	1009	936.6	12.9	6821
04/02/2020 04:15	5.6	4.1	1009.1	936.6	12.8	6821
04/02/2020 04:30	5.6	4.3	1009.2	936.8	12.8	6820.5
04/02/2020 04:45	5.6	4.5	1009.4	936.8	12.8	6820.5
04/02/2020 05:00	5.6	4.6	1009.2	936.8	12.8	6820.5
04/02/2020 05:15	5.6	4.7	1009.7	936.5	12.8	6821.5
04/02/2020 05:30	5.6	4.7	1009.6	936.8	12.8	6820.5
04/02/2020 05:45	5.6	4.6	1009.8	936.8	12.9	6820.5
04/02/2020 06:00	5.6	4.5	1010.4	936.8	12.8	6820.5
04/02/2020 06:15	5.6	4.4	1009.9	936.9	12.8	6819.9
04/02/2020 06:30	5.6	4.4	1010.3	936.8	12.8	6820.5
04/02/2020 06:45	5.6	4.4	1010.8	936.8	12.8	6820.5
04/02/2020 07:00	5.6	4.3	1010.9	936.8	12.8	6820.5
04/02/2020 07:15	5.6	4.2	1010.9	936.6	12.8	6821
04/02/2020 07:30	5.6	4.2	1011.4	936.9	12.8	6819.9
04/02/2020 07:45	5.6	4.4	1011.2	936.8	12.8	6820.5
04/02/2020 08:00	5.6	4.5	1011.3	936.8	12.8	6820.5
04/02/2020 08:15	5.6	4.7	1011.4	936.8	12.8	6820.5
04/02/2020 08:30	5.6	5	1011.7	936.8	12.8	6820.5
04/02/2020 08:45	5.6	5.4	1011.7	936.8	12.8	6820.5
04/02/2020 09:00	5.6	5.8	1011.6	936.8	12.8	6820.5
04/02/2020 09:15	5.6	6.3	1011.8	936.8	12.8	6820.5
04/02/2020 09:30	5.6	6.6	1012	936.8	12.9	6820.5
04/02/2020 09:45	5.6	6.8	1012.3	936.6	12.8	6821
04/02/2020 10:00	5.5	7.4	1012.7	936.5	12.8	6821.5
04/02/2020 10:15	5.5	7.6	1013	936.6	12.8	6821
04/02/2020 10:30	5.5	8	1013.5	936.5	12.8	6821.5
04/02/2020 10:45	5.5	8.3	1013.7	936.6	12.8	6821
04/02/2020 11:00	5.5	8.4	1014	936.6	12.8	6821
04/02/2020 11:15	5.5	8.5	1014.1	936.8	12.9	6820.5
04/02/2020 11:30	5.5	9.1	1014.3	936.6	12.9	6821
04/02/2020 11:45	5.5	9.6	1014.4	936.6	12.8	6821
04/02/2020 12:00	5.5	9.5	1014.7	936.8	12.8	6820.5
04/02/2020 12:15	5.5	9.5	1015	936.6	12.8	6821
04/02/2020 12:30	5.5	9.8	1015.1	936.8	12.8	6820.5
04/02/2020 12:45	5.5	10.1	1015	936.8	12.8	6820.5
04/02/2020 13:00	5.5	10.1	1015.8	936.8	12.8	6820.5
04/02/2020 13:15	5.5	10.2	1016	936.8	12.8	6820.5
04/02/2020 13:30	5.5	10.2	1016.3	937.1	12.8	6819.4
04/02/2020 13:45	5.5	10.3	1016.6	936.6	12.8	6821
04/02/2020 14:00	5.5	10.5	1016.6	937.1	12.8	6819.4

04/02/2020 14:15	5.5	10.4	1016.8	936.8	12.8	6820.5
04/02/2020 14:30	5.5	10.3	1017.7	936.9	12.8	6819.9
04/02/2020 14:45	5.5	10.1	1018.4	936.8	12.8	6820.5
04/02/2020 15:00	5.5	10	1018.4	936.9	12.8	6819.9
04/02/2020 15:15	5.5	9.9	1019.3	937.1	12.8	6819.4
04/02/2020 15:30	5.5	9.8	1019.3	937.1	12.8	6819.4
04/02/2020 15:45	5.5	9.7	1019.5	937.3	12.8	6818.9
04/02/2020 16:00	5.5	9.5	1020.1	937.1	12.8	6819.4
04/02/2020 16:15	5.5	9.4	1020.2	937.1	12.8	6819.4
04/02/2020 16:30	5.5	9.2	1020.9	937.3	12.8	6818.9
04/02/2020 16:45	5.5	9	1021.6	937.3	12.8	6818.9
04/02/2020 17:00	5.5	8.9	1022.4	937.3	12.8	6818.9
04/02/2020 17:15	5.5	8.8	1022.9	937.4	12.8	6818.4
04/02/2020 17:30	5.5	8.7	1022.9	937.4	12.8	6818.4
04/02/2020 17:45	5.5	8.6	1023.2	937.4	12.8	6818.4
04/02/2020 18:00	5.5	8.6	1023.8	937.4	12.8	6818.4
04/02/2020 18:15	5.5	8.5	1023.7	937.4	12.8	6818.4
04/02/2020 18:30	5.5	8.5	1024.3	937.3	12.8	6818.9
04/02/2020 18:45	5.5	8.4	1024.7	937.4	12.8	6818.4
04/02/2020 19:00	5.5	8.4	1025.1	937.4	12.8	6818.4
04/02/2020 19:15	5.5	8.3	1025.3	937.4	12.8	6818.4
04/02/2020 19:30	5.5	8.1	1025.4	937.3	12.8	6818.9
04/02/2020 19:45	5.5	8	1025.8	937.4	12.8	6818.4
04/02/2020 20:00	5.5	8	1026	937.3	12.8	6818.9
04/02/2020 20:15	5.5	8	1026.4	937.4	12.8	6818.4
04/02/2020 20:30	5.5	8	1026.7	937.3	12.9	6818.9
04/02/2020 20:45	5.5	8	1026.8	937.3	12.8	6818.9
04/02/2020 21:00	5.5	7.8	1027.1	937.3	12.8	6818.9
04/02/2020 21:15	5.5	7.7	1027.3	937.4	12.8	6818.4
04/02/2020 21:30	5.5	7.6	1028.2	937.3	12.8	6818.9
04/02/2020 21:45	5.5	7.5	1028.1	937.4	12.8	6818.4
04/02/2020 22:00	5.5	7.3	1028	937.3	12.8	6818.9
04/02/2020 22:15	5.5	7.1	1028.5	937.3	12.8	6818.9
04/02/2020 22:30	5.5	7	1028.3	937.3	12.8	6818.9
04/02/2020 22:45	5.5	6.9	1028.8	937.3	12.8	6818.9
04/02/2020 23:00	5.5	6.9	1029.2	937.3	12.8	6818.9
04/02/2020 23:15	5.5	7	1028.9	937.4	12.8	6818.4
04/02/2020 23:30	5.5	7	1029.4	937.3	12.8	6818.9
04/02/2020 23:45	5.5	7.1	1029.3	937.3	12.8	6818.9
05/02/2020 00:00	5.5	7.1	1029.9	937.1	12.8	6819.4
05/02/2020 00:15	5.5	7.1	1030	937.4	12.8	6818.4
05/02/2020 00:30	5.5	7.1	1030.3	937.3	12.8	6818.9
05/02/2020 00:45	5.5	7.1	1030.2	937.1	12.8	6819.4
05/02/2020 01:00	5.5	7	1030.2	937.3	12.8	6818.9
05/02/2020 01:15	5.5	7	1030.6	937.3	12.8	6818.9
05/02/2020 01:30	5.5	6.9	1030.5	937.3	12.8	6818.9
05/02/2020 01:45	5.5	6.9	1030.6	937.4	12.8	6818.4
05/02/2020 02:00	5.5	6.9	1031	937.4	12.8	6818.4
05/02/2020 02:15	5.5	6.9	1031.3	937.3	12.8	6818.9
05/02/2020 02:30	5.5	6.9	1031.4	937.3	12.8	6818.9

05/02/2020 02:45	5.5	6.8	1031.5	937.4	12.8	6818.4
05/02/2020 03:00	5.6	6.7	1031.6	937.3	12.8	6818.9
05/02/2020 03:15	5.6	6.7	1031.6	937.3	12.8	6818.9
05/02/2020 03:30	5.6	6.7	1032.1	937.4	12.8	6818.4
05/02/2020 03:45	5.6	6.6	1032.1	937.1	12.8	6819.4
05/02/2020 04:00	5.6	6.5	1032	937.4	12.8	6818.4
05/02/2020 04:15	5.6	6.4	1032.5	937.4	12.8	6818.4
05/02/2020 04:30	5.6	6.4	1032.6	937.4	12.8	6818.4
05/02/2020 04:45	5.6	6.3	1032.6	937.6	12.8	6817.8
05/02/2020 05:00	5.6	6.3	1032.9	937.6	12.8	6817.8
05/02/2020 05:15	5.6	6.3	1033.1	937.7	12.8	6817.3
05/02/2020 05:30	5.6	6.3	1033.1	937.4	12.8	6818.4
05/02/2020 05:45	5.6	6.3	1033.3	937.6	12.8	6817.8
05/02/2020 06:00	5.6	6.2	1033.5	937.6	12.8	6817.8
05/02/2020 06:15	5.6	6.2	1033.4	937.6	12.8	6817.8
05/02/2020 06:30	5.6	6.2	1033.8	937.6	12.8	6817.8
05/02/2020 06:45	5.6	6.2	1033.9	937.6	12.8	6817.8
05/02/2020 07:00	5.6	6.1	1033.9	937.6	12.8	6817.8
05/02/2020 07:15	5.6	6.1	1034.3	937.7	12.8	6817.3
05/02/2020 07:30	5.6	6.1	1034.1	937.6	12.9	6817.8
05/02/2020 07:45	5.6	6	1034.2	937.6	12.9	6817.8
05/02/2020 08:00	5.6	6.1	1034.6	937.6	12.8	6817.8
05/02/2020 08:15	5.6	6.1	1034.6	937.6	12.9	6817.8
05/02/2020 08:30	5.6	6.2	1034.5	937.6	12.8	6817.8
05/02/2020 08:45	5.6	6.4	1034.2	937.6	12.8	6817.8
05/02/2020 09:00	5.6	6.6	1034.6	937.6	12.8	6817.8
05/02/2020 09:15	5.5	6.9	1034.4	937.9	12.9	6816.8
05/02/2020 09:30	5.5	7.1	1034.1	937.6	12.8	6817.8
05/02/2020 09:45	5.6	7.1	1034.3	937.4	12.8	6818.4
05/02/2020 10:00	5.5	7.1	1034.6	937.6	12.8	6817.8
05/02/2020 10:15	5.5	7.2	1034.6	937.4	12.8	6818.4
05/02/2020 10:30	5.5	7.4	1034.4	937.4	12.8	6818.4
05/02/2020 10:45	5.5	7.7	1034.6	937.4	12.8	6818.4
05/02/2020 11:00	5.5	8	1034.8	937.6	12.8	6817.8
05/02/2020 11:15	5.5	8.9	1034.6	937.3	12.8	6818.9
05/02/2020 11:30	5.5	11	1034.6	937.3	12.8	6818.9
05/02/2020 11:45	5.5	12.5	1034.1	937.4	12.8	6818.4
05/02/2020 12:00	5.5	12.6	1034	937.3	12.8	6818.9
05/02/2020 12:15	5.5	12.1	1034.4	937.3	12.8	6818.9
05/02/2020 12:30	5.5	11.8	1034.4	937.4	12.8	6818.4
05/02/2020 12:45	5.5	11.7	1034	937.4	12.8	6818.4
05/02/2020 13:00	5.5	11.5	1034.2	937.3	12.8	6818.9
05/02/2020 13:15	5.5	11.2	1034.3	937.3	12.8	6818.9
05/02/2020 13:30	5.5	11	1034.1	937.4	12.8	6818.4
05/02/2020 13:45	5.5	10.9	1033.9	937.1	12.8	6819.4
05/02/2020 14:00	5.5	10.7	1033.7	937.3	12.8	6818.9
05/02/2020 14:15	5.5	10.4	1033.9	937.4	12.8	6818.4
05/02/2020 14:30	5.5	10	1033.4	937.3	12.8	6818.9
05/02/2020 14:45	5.5	9.6	1033.6	937.4	12.8	6818.4
05/02/2020 15:00	5.5	9.2	1033.6	937.3	12.8	6818.9

05/02/2020 15:15	5.5	8.9	1033.5	937.4	12.8	6818.4
05/02/2020 15:30	5.5	8.5	1033.5	937.1	12.8	6819.4
05/02/2020 15:45	5.5	8.2	1033.5	937.4	12.8	6818.4
05/02/2020 16:00	5.5	7.9	1033.2	937.4	12.8	6818.4
05/02/2020 16:15	5.5	7.5	1033	937.6	12.8	6817.8
05/02/2020 16:30	5.5	7.2	1032.9	937.7	12.8	6817.3
05/02/2020 16:45	5.5	6.8	1032.8	937.6	12.8	6817.8
05/02/2020 17:00	5.5	6.5	1033.1	937.4	12.8	6818.4
05/02/2020 17:15	5.6	6.2	1033.1	937.7	12.8	6817.3
05/02/2020 17:30	5.6	5.9	1033.2	937.4	12.8	6818.4
05/02/2020 17:45	5.6	5.6	1033	937.6	12.8	6817.8
05/02/2020 18:00	5.6	5.4	1032.9	937.6	12.8	6817.8
05/02/2020 18:15	5.6	5.3	1033.1	937.6	12.8	6817.8
05/02/2020 18:30	5.6	5.2	1033.2	937.6	12.8	6817.8
05/02/2020 18:45	5.6	5.1	1033.1	937.6	12.8	6817.8
05/02/2020 19:00	5.6	4.9	1033	937.3	12.8	6818.9
05/02/2020 19:15	5.6	4.8	1033.5	937.6	12.8	6817.8
05/02/2020 19:30	5.6	4.6	1033.5	937.4	12.8	6818.4
05/02/2020 19:45	5.6	4.5	1033.1	937.6	12.8	6817.8
05/02/2020 20:00	5.6	4.3	1032.9	937.7	12.8	6817.3
05/02/2020 20:15	5.6	4.2	1033.3	937.6	12.8	6817.8
05/02/2020 20:30	5.6	4	1033.4	937.6	12.8	6817.8
05/02/2020 20:45	5.6	3.8	1033.4	937.4	12.8	6818.4
05/02/2020 21:00	5.6	3.6	1033.1	937.6	12.8	6817.8
05/02/2020 21:15	5.6	3.4	1032.8	937.7	12.8	6817.3
05/02/2020 21:30	5.6	3.2	1032.9	937.6	12.8	6817.8
05/02/2020 21:45	5.6	3	1033.4	937.4	12.8	6818.4
05/02/2020 22:00	5.6	2.8	1033.1	937.4	12.8	6818.4
05/02/2020 22:15	5.6	2.6	1033.4	937.4	12.8	6818.4
05/02/2020 22:30	5.6	2.5	1033.1	937.3	12.8	6818.9
05/02/2020 22:45	5.6	2.3	1032.9	937.4	12.9	6818.4
05/02/2020 23:00	5.6	2.1	1032.6	937.3	12.8	6818.9
05/02/2020 23:15	5.6	1.9	1032.8	937.4	12.8	6818.4
05/02/2020 23:30	5.6	1.8	1032.3	937.3	12.8	6818.9
05/02/2020 23:45	5.6	1.7	1032.4	937.4	12.9	6818.4
06/02/2020 00:00	5.6	1.6	1032.5	937.4	12.8	6818.4
06/02/2020 00:15	5.6	1.6	1032.1	937.3	12.8	6818.9
06/02/2020 00:30	5.6	1.5	1032	937.4	12.8	6818.4
06/02/2020 00:45	5.6	1.5	1032.3	937.3	12.8	6818.9
06/02/2020 01:00	5.6	1.5	1032	937.3	12.9	6818.9
06/02/2020 01:15	5.6	1.5	1031.8	937.3	12.9	6818.9
06/02/2020 01:30	5.6	1.5	1032.1	937.3	12.8	6818.9
06/02/2020 01:45	5.6	1.4	1031.7	937.3	12.9	6818.9
06/02/2020 02:00	5.6	1.4	1031.8	937.3	12.8	6818.9
06/02/2020 02:15	5.6	1.4	1032	937.3	12.9	6818.9
06/02/2020 02:30	5.6	1.4	1031.6	937.3	12.8	6818.9
06/02/2020 02:45	5.6	1.4	1031.3	937.3	12.9	6818.9
06/02/2020 03:00	5.6	1.3	1031.3	937.3	12.8	6818.9
06/02/2020 03:15	5.6	1.1	1031.2	937.3	12.8	6818.9
06/02/2020 03:30	5.6	1	1031	937.4	12.8	6818.4

06/02/2020 03:45	5.6	0.9	1031.2	937.3	12.8	6818.9
06/02/2020 04:00	5.6	0.9	1030.9	937.3	12.8	6818.9
06/02/2020 04:15	5.6	0.9	1030.8	937.4	12.9	6818.4
06/02/2020 04:30	5.6	0.8	1031	937.6	12.8	6817.8
06/02/2020 04:45	5.6	0.7	1030.9	937.4	12.8	6818.4
06/02/2020 05:00	5.6	0.6	1030.8	937.4	12.8	6818.4
06/02/2020 05:15	5.6	0.5	1030.9	937.3	12.8	6818.9
06/02/2020 05:30	5.6	0.5	1031.2	937.4	12.8	6818.4
06/02/2020 05:45	5.6	0.5	1030.8	937.6	12.8	6817.8
06/02/2020 06:00	5.6	0.4	1030.8	937.6	12.8	6817.8
06/02/2020 06:15	5.6	0.2	1030.7	937.7	12.8	6817.3
06/02/2020 06:30	5.6	0	1030.8	937.4	12.8	6818.4
06/02/2020 06:45	5.6	-0.1	1030.8	937.6	12.8	6817.8
06/02/2020 07:00	5.6	-0.2	1031	937.7	12.8	6817.3
06/02/2020 07:15	5.6	-0.3	1030.8	937.6	12.8	6817.8
06/02/2020 07:30	5.6	-0.3	1030.6	937.6	12.9	6817.8
06/02/2020 07:45	5.6	-0.3	1030.5	937.6	12.8	6817.8
06/02/2020 08:00	5.6	-0.1	1030.3	937.7	12.8	6817.3
06/02/2020 08:15	5.6	0.1	1030.2	937.6	12.8	6817.8
06/02/2020 08:30	5.6	0.5	1030.1	937.6	12.9	6817.8
06/02/2020 08:45	5.6	0.8	1030.3	937.6	12.9	6817.8
06/02/2020 09:00	5.6	1.1	1030	937.6	12.9	6817.8
06/02/2020 09:15	5.6	1.5	1030.3	937.4	12.8	6818.4
06/02/2020 09:30	5.6	1.9	1030.5	937.6	12.8	6817.8
06/02/2020 09:45	5.6	2.4	1030.4	937.6	12.8	6817.8
06/02/2020 10:00	5.6	2.9	1029.8	937.7	12.8	6817.3
06/02/2020 10:15	5.6	3.3	1030.2	937.8	12.9	6817.3
06/02/2020 10:30	5.6	3.8	1030.1	937.4	12.8	6818.4
06/02/2020 10:45	5.6	4.3	1030.1	937.3	12.9	6818.9
06/02/2020 11:00	5.6	4.8	1030	937.6	12.8	6817.8
06/02/2020 11:15	5.5	6.2	1029.8	937.4	12.8	6818.4
06/02/2020 11:30	5.5	9.1	1029.3	937.4	12.8	6818.4
06/02/2020 11:45	5.5	10.9	1028.9	937.4	12.8	6818.4
06/02/2020 12:00	5.5	11.4	1028.7	937.4	12.8	6818.4
06/02/2020 12:15	5.5	10.7	1028.7	937.3	12.8	6818.9
06/02/2020 12:30	5.5	10.1	1028.6	937.4	12.8	6818.4
06/02/2020 12:45	5.5	9.8	1028.6	937.4	12.8	6818.4
06/02/2020 13:00	5.5	9.4	1028.3	937.1	12.8	6819.4
06/02/2020 13:15	5.5	9.2	1028.3	937.3	12.8	6818.9
06/02/2020 13:30	5.5	8.9	1028.1	937.1	12.8	6819.4
06/02/2020 13:45	5.5	8.7	1027.8	937.1	12.8	6819.4
06/02/2020 14:00	5.5	8.4	1028	937.1	12.8	6819.4
06/02/2020 14:15	5.5	8.3	1027.5	937.1	12.8	6819.4
06/02/2020 14:30	5.5	8.1	1027.5	937.1	12.8	6819.4
06/02/2020 14:45	5.5	7.9	1027.9	936.9	12.8	6819.9
06/02/2020 15:00	5.5	7.7	1027.7	937.1	12.8	6819.4
06/02/2020 15:15	5.5	7.4	1027.3	936.9	12.8	6819.9
06/02/2020 15:30	5.5	7.2	1027.9	937.3	12.8	6818.9
06/02/2020 15:45	5.5	6.9	1027.5	937.1	12.8	6819.4
06/02/2020 16:00	5.6	6.7	1027.8	937.3	12.8	6818.9

06/02/2020 16:15	5.6	6.3	1027.6	936.9	12.8	6819.9
06/02/2020 16:30	5.6	5.9	1027.8	937.1	12.8	6819.4
06/02/2020 16:45	5.6	5.5	1027.9	937.1	12.8	6819.4
06/02/2020 17:00	5.6	5.1	1028.3	937.1	12.8	6819.4
06/02/2020 17:15	5.6	4.7	1028.1	937.3	12.8	6818.9
06/02/2020 17:30	5.6	4.3	1027.8	937.3	12.8	6818.9
06/02/2020 17:45	5.6	3.9	1028.1	937.4	12.8	6818.4
06/02/2020 18:00	5.6	3.5	1027.9	937.1	12.8	6819.4
06/02/2020 18:15	5.6	3.1	1027.9	937.3	12.8	6818.9
06/02/2020 18:30	5.6	2.8	1028.2	937.3	12.8	6818.9
06/02/2020 18:45	5.6	2.5	1028	937.3	12.9	6818.9
06/02/2020 19:00	5.6	2.2	1028.3	937.4	12.8	6818.4
06/02/2020 19:15	5.6	1.9	1028.2	937.4	12.8	6818.4
06/02/2020 19:30	5.6	1.7	1028.1	937.4	12.9	6818.4
06/02/2020 19:45	5.6	1.5	1028.2	937.4	12.8	6818.4
06/02/2020 20:00	5.6	1.3	1028.1	937.4	12.8	6818.4
06/02/2020 20:15	5.6	1.1	1028.1	937.3	12.9	6818.9
06/02/2020 20:30	5.6	1	1027.7	937.3	12.9	6818.9
06/02/2020 20:45	5.6	0.8	1027.7	937.3	12.8	6818.9
06/02/2020 21:00	5.6	0.7	1027.5	937.4	12.9	6818.4
06/02/2020 21:15	5.6	0.6	1027.6	937.3	12.9	6818.9
06/02/2020 21:30	5.6	0.4	1027.3	937.4	12.8	6818.4
06/02/2020 21:45	5.6	0.3	1027.2	937.4	12.8	6818.4
06/02/2020 22:00	5.6	0.3	1027.5	937.1	12.8	6819.4
06/02/2020 22:15	5.6	0.2	1027.4	937.4	12.8	6818.4
06/02/2020 22:30	5.6	0.1	1027.3	937.1	12.8	6819.4
06/02/2020 22:45	5.6	0.1	1027.5	937.1	12.8	6819.4
06/02/2020 23:00	5.6	-0.1	1027.2	937.1	12.9	6819.4
06/02/2020 23:15	5.6	-0.2	1026.9	937.3	12.8	6818.9
06/02/2020 23:30	5.6	-0.3	1026.8	937.3	12.8	6818.9
06/02/2020 23:45	5.6	-0.4	1026.9	937.3	12.8	6818.9
07/02/2020 00:00	5.6	-0.5	1027	937.1	12.8	6819.4
07/02/2020 00:15	5.6	-0.5	1027	937.3	12.8	6818.9
07/02/2020 00:30	5.6	-0.5	1026.5	936.9	12.8	6819.9
07/02/2020 00:45	5.6	-0.6	1026.4	937.1	12.8	6819.4
07/02/2020 01:00	5.6	-0.6	1026	936.8	12.9	6820.5
07/02/2020 01:15	5.6	-0.6	1026	937.1	12.9	6819.4
07/02/2020 01:30	5.6	-0.6	1026	936.8	12.8	6820.5
07/02/2020 01:45	5.6	-0.5	1025.6	936.8	12.9	6820.5
07/02/2020 02:00	5.6	-0.1	1025.8	937	12.9	6819.9
07/02/2020 02:15	5.6	0.5	1025.7	936.9	12.8	6819.9
07/02/2020 02:30	5.6	1.4	1025.1	936.8	12.8	6820.5
07/02/2020 02:45	5.6	2.2	1025.1	936.8	12.8	6820.5
07/02/2020 03:00	5.6	2.9	1024.9	937.1	12.8	6819.4
07/02/2020 03:15	5.6	3.5	1024.7	937.1	12.8	6819.4
07/02/2020 03:30	5.6	3.9	1024.2	936.9	12.8	6819.9
07/02/2020 03:45	5.6	4.3	1024.1	936.8	12.8	6820.5
07/02/2020 04:00	5.6	4.5	1024.1	936.9	12.8	6819.9
07/02/2020 04:15	5.6	4.6	1023.4	936.8	12.8	6820.5
07/02/2020 04:30	5.6	4.6	1023.7	936.8	12.8	6820.5

07/02/2020 04:45	5.6	4.6	1023.5	937.1	12.8	6819.4
07/02/2020 05:00	5.6	4.6	1023.3	936.9	12.8	6819.9
07/02/2020 05:15	5.6	4.6	1023.1	937.1	12.9	6819.4
07/02/2020 05:30	5.6	4.6	1023	937.1	12.8	6819.4
07/02/2020 05:45	5.6	4.6	1022.5	937.1	12.9	6819.4
07/02/2020 06:00	5.6	4.6	1022.7	936.9	12.8	6819.9
07/02/2020 06:15	5.6	4.6	1022.4	937.1	12.9	6819.4
07/02/2020 06:30	5.6	4.6	1022.2	937.1	12.8	6819.4
07/02/2020 06:45	5.6	4.7	1022	936.9	12.8	6819.9
07/02/2020 07:00	5.6	4.7	1022	937.1	12.8	6819.4
07/02/2020 07:15	5.6	4.7	1021.7	937.1	12.8	6819.4
07/02/2020 07:30	5.6	4.7	1021.8	937.3	12.8	6818.9
07/02/2020 07:45	5.6	4.8	1021.8	937.1	12.8	6819.4
07/02/2020 08:00	5.6	4.8	1021.9	937.3	12.8	6818.9
07/02/2020 08:15	5.6	5	1021.5	937.1	12.8	6819.4
07/02/2020 08:30	5.6	5.2	1021.4	937.1	12.8	6819.4
07/02/2020 08:45	5.6	5.4	1021	936.9	12.8	6819.9
07/02/2020 09:00	5.6	5.7	1020.6	937.1	12.8	6819.4
07/02/2020 09:15	5.6	5.9	1020.5	937.1	12.8	6819.4
07/02/2020 09:30	5.6	6.2	1020.4	936.9	12.8	6819.9
07/02/2020 09:45	5.6	6.4	1020.2	936.9	12.8	6819.9
07/02/2020 10:00	5.6	6.6	1020.1	937.3	12.8	6818.9
07/02/2020 10:15	5.6	6.8	1019.6	937.1	12.8	6819.4
07/02/2020 10:30	5.5	7	1019.8	937.1	12.8	6819.4
07/02/2020 10:45	5.5	7.1	1019.5	937.3	12.8	6818.9
07/02/2020 11:00	5.5	7.3	1019.2	936.8	12.8	6820.5
07/02/2020 11:15	5.5	8.3	1018.8	936.8	12.8	6820.5
07/02/2020 11:30	5.5	10.8	1017.9	936.8	12.8	6820.5
07/02/2020 11:45	5.5	12.6	1017.4	936.6	12.8	6821
07/02/2020 12:00	5.5	12.6	1016.8	936.6	12.8	6821
07/02/2020 12:15	5.5	11.5	1016.7	936.8	12.8	6820.5
07/02/2020 12:30	5.5	10.5	1016.5	936.6	12.8	6821
07/02/2020 12:45	5.5	10.1	1016.6	936.5	12.8	6821.5
07/02/2020 13:00	5.5	9.6	1016.3	936.6	12.8	6821
07/02/2020 13:15	5.5	9.2	1015.8	936.5	12.8	6821.5
07/02/2020 13:30	5.5	8.9	1015.9	936.5	12.8	6821.5
07/02/2020 13:45	5.5	8.6	1015.5	936.6	12.8	6821
07/02/2020 14:00	5.5	8.4	1015.5	936.5	12.8	6821.5
07/02/2020 14:15	5.5	8.2	1015.1	936.6	12.8	6821
07/02/2020 14:30	5.5	8	1015.3	936.3	12.8	6822
07/02/2020 14:45	5.5	7.8	1015	936.3	12.8	6822
07/02/2020 15:00	5.5	7.6	1014.9	936.3	12.8	6822
07/02/2020 15:15	5.5	7.3	1014.7	936.3	12.8	6822
07/02/2020 15:30	5.5	7.1	1014.6	936.3	12.8	6822
07/02/2020 15:45	5.5	6.9	1014.7	936.5	12.8	6821.5
07/02/2020 16:00	5.5	6.8	1014.5	936.3	12.8	6822
07/02/2020 16:15	5.5	6.7	1014.6	936.3	12.8	6822
07/02/2020 16:30	5.5	6.7	1014.5	936.6	12.8	6821
07/02/2020 16:45	5.5	6.6	1014.3	936.5	12.8	6821.5
07/02/2020 17:00	5.5	6.5	1014.7	936.5	12.8	6821.5

07/02/2020 17:15	5.5	6.5	1014.3	936.5	12.8	6821.5
07/02/2020 17:30	5.5	6.5	1014	936.3	12.8	6822
07/02/2020 17:45	5.5	6.4	1014.4	936.3	12.8	6822
07/02/2020 18:00	5.5	6.4	1014.5	936.5	12.8	6821.5
07/02/2020 18:15	5.5	6.3	1014.3	936.3	12.8	6822
07/02/2020 18:30	5.5	6.3	1014.1	936.5	12.8	6821.5
07/02/2020 18:45	5.6	6.3	1013.9	936.5	12.9	6821.5
07/02/2020 19:00	5.5	6.4	1014.1	936.5	12.8	6821.5
07/02/2020 19:15	5.5	6.4	1013.6	936.5	12.8	6821.5
07/02/2020 19:30	5.5	6.5	1013.5	936.5	12.8	6821.5
07/02/2020 19:45	5.5	6.6	1013.4	936.3	12.8	6822
07/02/2020 20:00	5.5	6.6	1013.2	936.5	12.8	6821.5
07/02/2020 20:15	5.5	6.5	1013.3	936.3	12.8	6822
07/02/2020 20:30	5.6	6.5	1013.2	936.5	12.8	6821.5
07/02/2020 20:45	5.5	6.4	1013	936.6	12.8	6821
07/02/2020 21:00	5.6	6.4	1012.7	936.6	12.8	6821
07/02/2020 21:15	5.5	6.6	1012.6	936.5	12.8	6821.5
07/02/2020 21:30	5.5	6.7	1012.7	936.5	12.8	6821.5
07/02/2020 21:45	5.5	6.9	1012.5	936.6	12.8	6821
07/02/2020 22:00	5.5	7.1	1012.7	936.5	12.8	6821.5
07/02/2020 22:15	5.5	7.3	1012.4	936.5	12.8	6821.5
07/02/2020 22:30	5.5	7.5	1012.1	936.3	12.8	6822
07/02/2020 22:45	5.5	7.7	1012.3	936.5	12.8	6821.5
07/02/2020 23:00	5.5	7.8	1012	936.3	12.8	6822
07/02/2020 23:15	5.5	8	1011.9	936.6	12.9	6821
07/02/2020 23:30	5.5	8.1	1012	936.3	12.8	6822
07/02/2020 23:45	5.5	8.1	1012.2	936.1	12.8	6822.5
08/02/2020 00:00	5.5	8.2	1011.8	936.3	12.8	6822
08/02/2020 00:15	5.5	8.2	1011.6	936.1	12.8	6822.5
08/02/2020 00:30	5.5	8.1	1011.3	936.3	12.8	6822
08/02/2020 00:45	5.5	8	1011.3	936.1	12.8	6822.5
08/02/2020 01:00	5.5	8	1011.3	936.3	12.8	6822
08/02/2020 01:15	5.5	8.1	1011.2	936.1	12.8	6822.5
08/02/2020 01:30	5.5	8.3	1010.9	936	12.8	6823.1
08/02/2020 01:45	5.5	8.3	1011.2	936	12.8	6823.1
08/02/2020 02:00	5.5	8.4	1010.9	936	12.8	6823.1
08/02/2020 02:15	5.5	8.5	1010.8	936.1	12.8	6822.5
08/02/2020 02:30	5.5	8.6	1010.6	936.1	12.8	6822.5
08/02/2020 02:45	5.5	8.7	1010.6	936.1	12.8	6822.5
08/02/2020 03:00	5.5	8.8	1010.1	935.8	12.8	6823.6
08/02/2020 03:15	5.5	8.9	1010.4	936	12.8	6823.1
08/02/2020 03:30	5.5	8.9	1010.5	936	12.8	6823.1
08/02/2020 03:45	5.5	8.9	1010.3	936	12.8	6823.1
08/02/2020 04:00	5.5	8.9	1010.4	936.1	12.8	6822.5
08/02/2020 04:15	5.5	8.8	1010.2	936	12.8	6823.1
08/02/2020 04:30	5.5	8.8	1010.1	936.1	12.8	6822.5
08/02/2020 04:45	5.5	8.9	1010.1	936.1	12.8	6822.5
08/02/2020 05:00	5.5	8.9	1010	936.1	12.8	6822.5
08/02/2020 05:15	5.5	8.9	1009.9	936.3	12.8	6822
08/02/2020 05:30	5.5	9	1010.2	936.1	12.8	6822.5

08/02/2020 05:45	5.5	9.1	1010.3	936.3	12.8	6822
08/02/2020 06:00	5.5	9.1	1010.3	936.3	12.8	6822
08/02/2020 06:15	5.5	9.2	1010.3	936.1	12.8	6822.5
08/02/2020 06:30	5.5	9.2	1011.1	936.3	12.8	6822
08/02/2020 06:45	5.5	9.1	1010.8	936.3	12.8	6822
08/02/2020 07:00	5.5	9	1011.3	936.3	12.8	6822
08/02/2020 07:15	5.5	8.8	1011.2	936.3	12.8	6822
08/02/2020 07:30	5.5	8.6	1011.6	936.5	12.8	6821.5
08/02/2020 07:45	5.5	8.4	1011.9	936.5	12.8	6821.5
08/02/2020 08:00	5.5	8.3	1012	936.5	12.8	6821.5
08/02/2020 08:15	5.5	8.2	1012.1	936.6	12.8	6821
08/02/2020 08:30	5.5	8.2	1012.3	936.5	12.8	6821.5
08/02/2020 08:45	5.5	8.3	1012.7	936.5	12.8	6821.5
08/02/2020 09:00	5.5	8.4	1012.8	936.6	12.8	6821
08/02/2020 09:15	5.5	8.4	1012.9	936.6	12.8	6821
08/02/2020 09:30	5.5	8.5	1013.1	936.6	12.8	6821
08/02/2020 09:45	5.5	8.6	1013.3	936.6	12.8	6821
08/02/2020 10:00	5.5	8.8	1013.1	936.8	12.8	6820.5
08/02/2020 10:15	5.5	9.1	1013.3	936.8	12.8	6820.5
08/02/2020 10:30	5.5	9.6	1013.4	936.6	12.8	6821
08/02/2020 10:45	5.5	10.1	1013.6	936.6	12.8	6821
08/02/2020 11:00	5.5	10.6	1013.5	936.6	12.8	6821
08/02/2020 11:15	5.5	11.4	1013.1	936.5	12.8	6821.5
08/02/2020 11:30	5.5	12.9	1013.2	936.6	12.8	6821
08/02/2020 11:45	5.5	13.9	1012.7	936.6	12.8	6821
08/02/2020 12:00	5.5	13.9	1012.6	936.6	12.8	6821
08/02/2020 12:15	5.5	13.7	1012.7	936.6	12.8	6821
08/02/2020 12:30	5.5	13.4	1012.8	936.5	12.8	6821.5
08/02/2020 12:45	5.5	13.1	1012.9	936.5	12.8	6821.5
08/02/2020 13:00	5.5	12.9	1013.1	936.5	12.8	6821.5
08/02/2020 13:15	5.5	12.7	1013.1	936.5	12.8	6821.5
08/02/2020 13:30	5.5	12.6	1012.7	936.3	12.8	6822
08/02/2020 13:45	5.5	12.4	1012.5	936.5	12.8	6821.5
08/02/2020 14:00	5.5	12	1012.7	936.3	12.8	6822
08/02/2020 14:15	5.5	11.6	1012.8	936.5	12.8	6821.5
08/02/2020 14:30	5.5	11.3	1012.6	936.5	12.8	6821.5
08/02/2020 14:45	5.5	11.1	1012.7	936.3	12.8	6822
08/02/2020 15:00	5.5	10.8	1012.5	936.3	12.8	6822
08/02/2020 15:15	5.5	10.4	1012.6	936.3	12.8	6822
08/02/2020 15:30	5.5	10	1012.5	936.1	12.8	6822.5
08/02/2020 15:45	5.5	9.6	1012.4	936.1	12.8	6822.5
08/02/2020 16:00	5.5	9.2	1012.3	936.3	12.8	6822
08/02/2020 16:15	5.5	8.7	1012.5	936.5	12.8	6821.5
08/02/2020 16:30	5.5	8.3	1012.7	936.3	12.8	6822
08/02/2020 16:45	5.5	7.8	1013	936.3	12.9	6822
08/02/2020 17:00	5.5	7.4	1013	936.3	12.8	6822
08/02/2020 17:15	5.5	7.1	1013	936.3	12.8	6822
08/02/2020 17:30	5.5	6.7	1013.2	936.5	12.8	6821.5
08/02/2020 17:45	5.5	6.4	1013.7	936.5	12.8	6821.5
08/02/2020 18:00	5.5	6.1	1013.9	936.6	12.8	6821

08/02/2020 18:15	5.5	5.8	1013.6	936.5	12.8	6821.5
08/02/2020 18:30	5.5	5.7	1013.1	936.6	12.8	6821
08/02/2020 18:45	5.5	5.6	1013	936.3	12.8	6822
08/02/2020 19:00	5.5	5.5	1012.8	936.3	12.8	6822
08/02/2020 19:15	5.5	5.5	1012.7	936.5	12.8	6821.5
08/02/2020 19:30	5.5	5.5	1012	936.6	12.8	6821
08/02/2020 19:45	5.5	5.6	1011.9	936.5	12.8	6821.5
08/02/2020 20:00	5.5	5.6	1011.4	936.5	12.8	6821.5
08/02/2020 20:15	5.5	5.6	1011.7	936.6	12.8	6821
08/02/2020 20:30	5.5	5.7	1012	936.5	12.8	6821.5
08/02/2020 20:45	5.5	5.7	1011.8	936.6	12.8	6821
08/02/2020 21:00	5.5	5.8	1011.5	936.6	12.8	6821
08/02/2020 21:15	5.5	5.9	1011.6	936.8	12.8	6820.5
08/02/2020 21:30	5.5	6	1011.5	936.6	12.8	6821
08/02/2020 21:45	5.5	6.1	1011.1	936.6	12.9	6821
08/02/2020 22:00	5.5	6.2	1010.5	936.6	12.8	6821
08/02/2020 22:15	5.5	6.4	1010.7	936.5	12.8	6821.5
08/02/2020 22:30	5.5	6.6	1010.4	936.5	12.8	6821.5
08/02/2020 22:45	5.5	6.7	1009.7	936.6	12.8	6821
08/02/2020 23:00	5.5	6.9	1009.2	936.3	12.8	6822
08/02/2020 23:15	5.5	7	1008.9	936.5	12.8	6821.5
08/02/2020 23:30	5.5	7.1	1008.2	936.5	12.8	6821.5
08/02/2020 23:45	5.5	7.2	1008.2	936.5	12.8	6821.5
09/02/2020 00:00	5.5	7.2	1007.6	936.3	12.8	6822
09/02/2020 00:15	5.5	7.3	1007	936.1	12.8	6822.5
09/02/2020 00:30	5.5	7.4	1006.7	936.3	12.8	6822
09/02/2020 00:45	5.5	7.6	1006.4	936	12.8	6823.1
09/02/2020 01:00	5.5	7.8	1005.5	936.1	12.8	6822.5
09/02/2020 01:15	5.5	8	1005.3	936	12.8	6823.1
09/02/2020 01:30	5.5	8.2	1005.2	936	12.8	6823.1
09/02/2020 01:45	5.5	8.3	1004.1	935.8	12.8	6823.6
09/02/2020 02:00	5.5	8.3	1003.9	935.8	12.8	6823.6
09/02/2020 02:15	5.5	8.4	1004.2	935.8	12.8	6823.6
09/02/2020 02:30	5.5	8.4	1003.7	935.8	12.8	6823.6
09/02/2020 02:45	5.5	8.4	1002.7	935.6	12.8	6824.1
09/02/2020 03:00	5.5	8.4	1002.2	935.5	12.8	6824.6
09/02/2020 03:15	5.5	8.4	1001.5	935.5	12.8	6824.6
09/02/2020 03:30	5.5	8.3	1001.5	935.8	12.8	6823.6
09/02/2020 03:45	5.5	8.4	1000.9	935.3	12.8	6825.2
09/02/2020 04:00	5.5	8.4	1001	935.5	12.8	6824.6
09/02/2020 04:15	5.5	8.5	1000.5	935.5	12.8	6824.6
09/02/2020 04:30	5.5	8.5	1000.1	935.3	12.8	6825.2
09/02/2020 04:45	5.5	8.6	999.3	935.3	12.8	6825.2
09/02/2020 05:00	5.5	8.6	998.8	935.3	12.8	6825.2
09/02/2020 05:15	5.5	8.7	998	935.3	12.8	6825.2
09/02/2020 05:30	5.5	8.8	997.6	935.3	12.8	6825.2
09/02/2020 05:45	5.5	8.8	997.3	935.2	12.8	6825.7
09/02/2020 06:00	5.5	8.8	996.7	935.3	12.8	6825.2
09/02/2020 06:15	5.5	8.9	997	935.2	12.8	6825.7
09/02/2020 06:30	5.5	9	996.2	935.2	12.8	6825.7

09/02/2020 06:45	5.5	9	995.8	935.2	12.8	6825.7
09/02/2020 07:00	5.5	9	995.8	935.2	12.8	6825.7
09/02/2020 07:15	5.5	9.1	994.4	935.2	12.8	6825.7
09/02/2020 07:30	5.5	9.1	994.2	935.2	12.8	6825.7
09/02/2020 07:45	5.5	9.2	993.4	935	12.8	6826.2
09/02/2020 08:00	5.5	9.3	993	935.2	12.8	6825.7
09/02/2020 08:15	5.5	9.3	993.1	935.2	12.9	6825.7
09/02/2020 08:30	5.5	9.4	992.1	935	12.8	6826.2
09/02/2020 08:45	5.5	9.5	991.7	935.3	12.8	6825.2
09/02/2020 09:00	5.5	9.6	990.9	935.2	12.8	6825.7
09/02/2020 09:15	5.5	9.9	990.4	935	12.8	6826.2
09/02/2020 09:30	5.5	10.2	989.7	935.2	12.8	6825.7
09/02/2020 09:45	5.5	10.4	989.6	935.2	12.8	6825.7
09/02/2020 10:00	5.5	10.6	989	935.2	12.8	6825.7
09/02/2020 10:15	5.5	10.7	988.9	935.2	12.8	6825.7
09/02/2020 10:30	5.5	10.7	988.6	935.2	12.8	6825.7
09/02/2020 10:45	5.5	10.6	988.2	935.2	12.8	6825.7
09/02/2020 11:00	5.5	10.5	987.6	935.2	12.8	6825.7
09/02/2020 11:15	5.5	10.4	987.7	935.2	12.8	6825.7
09/02/2020 11:30	5.5	10.4	986	935.2	12.8	6825.7
09/02/2020 11:45	5.5	10.4	985.4	935	12.8	6826.2
09/02/2020 12:00	5.5	10.6	985.4	935	12.8	6826.2
09/02/2020 12:15	5.5	10.7	985.3	934.8	12.8	6826.7
09/02/2020 12:30	5.5	10.8	985.2	934.8	12.8	6826.7
09/02/2020 12:45	5.5	11.1	984.4	934.8	12.8	6826.7
09/02/2020 13:00	5.5	11.1	984	934.7	12.8	6827.2
09/02/2020 13:15	5.5	11.3	983.4	934.8	12.8	6826.7
09/02/2020 13:30	5.5	11.3	983	934.7	12.8	6827.2
09/02/2020 13:45	5.5	11.3	982.5	934.7	12.8	6827.2
09/02/2020 14:00	5.5	11.3	982.4	934.5	12.8	6827.8
09/02/2020 14:15	5.5	11.3	982	934.5	12.8	6827.8
09/02/2020 14:30	5.5	11.4	981.8	934.5	12.8	6827.8
09/02/2020 14:45	5.5	11.3	981.3	934.5	12.8	6827.8
09/02/2020 15:00	5.5	11.4	980.6	934.5	12.8	6827.8
09/02/2020 15:15	5.5	11.4	980.6	934.5	12.8	6827.8
09/02/2020 15:30	5.5	11.4	979.7	934.4	12.8	6828.3
09/02/2020 15:45	5.5	11.4	979.7	934.4	12.8	6828.3
09/02/2020 16:00	5.5	11.4	979.5	934.4	12.8	6828.3
09/02/2020 16:15	5.5	11.5	979.8	934.4	12.8	6828.3
09/02/2020 16:30	5.5	11.6	980.6	934.5	12.8	6827.8
09/02/2020 16:45	5.5	11.4	980.8	934.2	12.8	6828.8
09/02/2020 17:00	5.5	11.1	979.7	934.5	12.8	6827.8
09/02/2020 17:15	5.5	10.9	979.9	934.5	12.8	6827.8
09/02/2020 17:30	5.5	10.6	980.3	934.5	12.8	6827.8
09/02/2020 17:45	5.5	10.5	980.5	934.7	12.8	6827.2
09/02/2020 18:00	5.5	10.4	980.3	934.7	12.8	6827.2
09/02/2020 18:15	5.5	10.4	980	934.7	12.8	6827.2
09/02/2020 18:30	5.5	10.5	979.8	934.7	12.8	6827.2
09/02/2020 18:45	5.5	10.5	979.6	934.7	12.8	6827.2
09/02/2020 19:00	5.5	10.5	979.4	934.7	12.8	6827.2

09/02/2020 19:15	5.5	10.4	979.5	934.7	12.8	6827.2
09/02/2020 19:30	5.5	10.3	979.7	934.8	12.8	6826.7
09/02/2020 19:45	5.5	10.1	979.6	934.8	12.8	6826.7
09/02/2020 20:00	5.5	10.1	979.9	934.8	12.8	6826.7
09/02/2020 20:15	5.5	10	979.9	935	12.8	6826.2
09/02/2020 20:30	5.5	9.9	980.2	935	12.8	6826.2
09/02/2020 20:45	5.5	9.8	980.5	935.2	12.8	6825.7
09/02/2020 21:00	5.5	9.7	980.7	935	12.8	6826.2
09/02/2020 21:15	5.5	9.7	981	935	12.8	6826.2
09/02/2020 21:30	5.5	9.7	980.9	935	12.8	6826.2
09/02/2020 21:45	5.5	9.7	981.7	935.2	12.8	6825.7
09/02/2020 22:00	5.5	9.2	981.5	935.3	12.8	6825.2
09/02/2020 22:15	5.5	8.5	981.7	935.2	12.8	6825.7
09/02/2020 22:30	5.5	8	982	935.2	12.8	6825.7
09/02/2020 22:45	5.5	7.7	982	935.2	12.8	6825.7
09/02/2020 23:00	5.5	7.7	982.1	935.2	12.8	6825.7
09/02/2020 23:15	5.5	7.8	982.4	935.3	12.8	6825.2
09/02/2020 23:30	5.5	7.8	982.7	935.2	12.8	6825.7
09/02/2020 23:45	5.5	7.9	982.5	935.3	12.8	6825.2
10/02/2020 00:00	5.5	8	982.3	935.3	12.8	6825.2
10/02/2020 00:15	5.5	8	982.7	935.2	12.8	6825.7
10/02/2020 00:30	5.5	8.1	983	935	12.8	6826.2
10/02/2020 00:45	5.5	8.2	982.7	935.2	12.8	6825.7
10/02/2020 01:00	5.5	8.3	983.3	935.2	12.8	6825.7
10/02/2020 01:15	5.5	8.3	983.4	935.2	12.8	6825.7
10/02/2020 01:30	5.5	8.3	983.2	935	12.8	6826.2
10/02/2020 01:45	5.5	8.2	983.2	935	12.8	6826.2
10/02/2020 02:00	5.5	8.2	983.5	935.2	12.8	6825.7
10/02/2020 02:15	5.5	8.3	984.8	935	12.8	6826.2
10/02/2020 02:30	5.5	7.7	985	935	12.8	6826.2
10/02/2020 02:45	5.5	7.1	985.3	935	12.8	6826.2
10/02/2020 03:00	5.5	6.8	985.5	935	12.8	6826.2
10/02/2020 03:15	5.5	6.7	985.4	935	12.8	6826.2
10/02/2020 03:30	5.5	6.6	985.9	934.8	12.8	6826.7
10/02/2020 03:45	5.5	6.5	986.8	935	12.8	6826.2
10/02/2020 04:00	5.5	6.3	987.2	935	12.8	6826.2
10/02/2020 04:15	5.5	6.1	987.4	935	12.8	6826.2
10/02/2020 04:30	5.5	5.9	987.9	935.2	12.8	6825.7
10/02/2020 04:45	5.5	5.8	988.7	935	12.8	6826.2
10/02/2020 05:00	5.5	5.8	989.1	935.2	12.8	6825.7
10/02/2020 05:15	5.5	5.8	989.5	935	12.8	6826.2
10/02/2020 05:30	5.5	5.8	989.5	935.2	12.8	6825.7
10/02/2020 05:45	5.5	5.8	990.4	935.2	12.8	6825.7
10/02/2020 06:00	5.5	5.8	990.9	935.3	12.8	6825.2
10/02/2020 06:15	5.5	5.8	991	935.3	12.9	6825.2
10/02/2020 06:30	5.5	5.8	991.4	935.5	12.8	6824.6
10/02/2020 06:45	5.5	5.8	991.7	935.6	12.8	6824.1
10/02/2020 07:00	5.5	5.7	992	935.5	12.8	6824.6
10/02/2020 07:15	5.5	5.6	992.5	935.6	12.8	6824.1
10/02/2020 07:30	5.5	5.7	992.9	935.6	12.8	6824.1

10/02/2020 07:45	5.5	5.7	993.3	935.8	12.8	6823.6
10/02/2020 08:00	5.5	5.8	993.6	935.8	12.8	6823.6
10/02/2020 08:15	5.5	5.8	993.8	935.8	12.8	6823.6
10/02/2020 08:30	5.5	5.9	994.4	935.8	12.8	6823.6
10/02/2020 08:45	5.5	6	994.1	935.8	12.8	6823.6
10/02/2020 09:00	5.5	6.2	994.1	936	12.8	6823.1
10/02/2020 09:15	5.5	6.4	994.9	936.1	12.8	6822.5
10/02/2020 09:30	5.5	6.6	995.1	936	12.8	6823.1
10/02/2020 09:45	5.5	6.8	995.5	936.1	12.8	6822.5
10/02/2020 10:00	5.5	7.1	995.5	936.3	12.8	6822
10/02/2020 10:15	5.5	7.3	995.7	936.1	12.8	6822.5
10/02/2020 10:30	5.5	7.7	995.4	936.3	12.8	6822
10/02/2020 10:45	5.5	8.1	995.3	936.3	12.9	6822
10/02/2020 11:00	5.5	8.6	994.9	936.3	12.8	6822
10/02/2020 11:15	5.5	9.7	994.8	936.3	12.8	6822
10/02/2020 11:30	5.5	11.5	994.5	936.1	12.8	6822.5
10/02/2020 11:45	5.5	12.6	994.3	936.1	12.8	6822.5
10/02/2020 12:00	5.5	12.6	994.2	936.3	12.8	6822
10/02/2020 12:15	5.5	12	993.9	936.1	12.8	6822.5
10/02/2020 12:30	5.5	11.7	993.8	936.1	12.8	6822.5
10/02/2020 12:45	5.5	12.2	993.7	936	12.8	6823.1
10/02/2020 13:00	5.5	12.3	992.9	936.1	12.8	6822.5
10/02/2020 13:15	5.5	12.1	993.3	936	12.8	6823.1
10/02/2020 13:30	5.5	11.6	993.1	936	12.8	6823.1
10/02/2020 13:45	5.5	11.3	992.6	935.8	12.8	6823.6
10/02/2020 14:00	5.5	10.9	991.8	936	12.8	6823.1
10/02/2020 14:15	5.5	10.4	991.9	935.8	12.8	6823.6
10/02/2020 14:30	5.5	9.4	991.5	935.8	12.8	6823.6
10/02/2020 14:45	5.5	8.5	990.8	935.6	12.8	6824.1
10/02/2020 15:00	5.5	8	990.4	935.6	12.8	6824.1
10/02/2020 15:15	5.5	7.9	989.9	935.5	12.8	6824.6
10/02/2020 15:30	5.5	7.9	989.9	935.5	12.8	6824.6
10/02/2020 15:45	5.5	7.8	989.9	935.5	12.8	6824.6
10/02/2020 16:00	5.5	7.7	989.7	935.5	12.8	6824.6
10/02/2020 16:15	5.5	7.6	989.6	935.5	12.8	6824.6
10/02/2020 16:30	5.5	7.4	988.9	935.3	12.8	6825.2
10/02/2020 16:45	5.5	7.3	989.1	935.3	12.8	6825.2
10/02/2020 17:00	5.5	7.1	989.6	935.3	12.8	6825.2
10/02/2020 17:15	5.5	6.7	991	935.3	12.8	6825.2
10/02/2020 17:30	5.5	5.9	991.5	935.5	12.8	6824.6
10/02/2020 17:45	5.5	5.4	991.4	935.5	12.8	6824.6
10/02/2020 18:00	5.6	5	991.4	935.5	12.8	6824.6
10/02/2020 18:15	5.6	4.5	991.2	935.5	12.8	6824.6
10/02/2020 18:30	5.6	4	991.7	935.5	12.8	6824.6
10/02/2020 18:45	5.6	3.7	991.7	935.6	12.8	6824.1
10/02/2020 19:00	5.6	3.6	991.4	935.5	12.8	6824.6
10/02/2020 19:15	5.6	3.5	991.5	935.8	12.8	6823.6
10/02/2020 19:30	5.6	3.5	991.7	935.5	12.8	6824.6
10/02/2020 19:45	5.6	3.7	992.1	935.7	12.9	6824.1
10/02/2020 20:00	5.6	3.7	992.3	935.8	12.8	6823.6

10/02/2020 20:15	5.6	3.8	992.6	935.8	12.8	6823.6
10/02/2020 20:30	5.6	3.8	992.6	936	12.8	6823.1
10/02/2020 20:45	5.6	3.9	993	935.8	12.8	6823.6
10/02/2020 21:00	5.6	4	993.1	935.8	12.8	6823.6
10/02/2020 21:15	5.6	4.1	993	936	12.8	6823.1
10/02/2020 21:30	5.6	4	993.6	936.1	12.8	6822.5
10/02/2020 21:45	5.6	4	993.5	936.1	12.8	6822.5
10/02/2020 22:00	5.6	4	994.1	936	12.8	6823.1
10/02/2020 22:15	5.6	3.9	994.2	936.1	12.8	6822.5
10/02/2020 22:30	5.6	3.8	994.3	936.1	12.8	6822.5
10/02/2020 22:45	5.6	3.7	994.3	936	12.8	6823.1
10/02/2020 23:00	5.6	3.6	994.6	936	12.8	6823.1
10/02/2020 23:15	5.6	3.7	994.5	936	12.8	6823.1
10/02/2020 23:30	5.6	3.7	994.7	936.2	12.9	6822.5
10/02/2020 23:45	5.6	3.7	995.1	936	12.8	6823.1
11/02/2020 00:00	5.6	3.7	994.9	936	12.8	6823.1
11/02/2020 00:15	5.6	3.7	994.9	936.2	12.9	6822.5
11/02/2020 00:30	5.6	3.7	994.8	936.1	12.8	6822.5
11/02/2020 00:45	5.6	3.7	994.6	936	12.9	6823.1
11/02/2020 01:00	5.6	3.7	995	936	12.8	6823.1
11/02/2020 01:15	5.6	3.8	995.2	936	12.8	6823.1
11/02/2020 01:30	5.6	3.8	995.1	936	12.8	6823.1
11/02/2020 01:45	5.6	3.8	995.2	935.8	12.8	6823.6
11/02/2020 02:00	5.6	3.8	995.3	935.8	12.8	6823.6
11/02/2020 02:15	5.6	3.8	995.8	936	12.8	6823.1
11/02/2020 02:30	5.6	3.8	995.6	935.8	12.9	6823.6
11/02/2020 02:45	5.6	3.8	995.7	935.5	12.8	6824.6
11/02/2020 03:00	5.6	3.8	995.9	935.8	12.8	6823.6
11/02/2020 03:15	5.6	3.9	995.9	935.5	12.8	6824.6
11/02/2020 03:30	5.6	3.9	996.1	935.6	12.8	6824.1
11/02/2020 03:45	5.6	3.9	995.7	935.5	12.8	6824.6
11/02/2020 04:00	5.6	3.9	996.2	935.5	12.8	6824.6
11/02/2020 04:15	5.6	3.9	996.4	935.6	12.8	6824.1
11/02/2020 04:30	5.6	3.8	996.5	935.5	12.8	6824.6
11/02/2020 04:45	5.6	3.8	997.1	935.5	12.8	6824.6
11/02/2020 05:00	5.6	3.8	997.1	935.3	12.8	6825.2
11/02/2020 05:15	5.6	3.8	997.4	935.5	12.8	6824.6
11/02/2020 05:30	5.6	3.7	997.6	935.5	12.8	6824.6
11/02/2020 05:45	5.6	3.8	998	935.5	12.8	6824.6
11/02/2020 06:00	5.6	3.7	997.8	935.5	12.8	6824.6
11/02/2020 06:15	5.6	3.7	998	935.5	12.8	6824.6
11/02/2020 06:30	5.6	3.6	998.1	935.5	12.8	6824.6
11/02/2020 06:45	5.6	3.6	998.2	935.5	12.8	6824.6
11/02/2020 07:00	5.6	3.5	998.2	935.6	12.8	6824.1
11/02/2020 07:15	5.6	3.5	998.5	935.5	12.8	6824.6
11/02/2020 07:30	5.6	3.6	998.2	935.8	12.8	6823.6
11/02/2020 07:45	5.6	3.8	998.9	935.8	12.8	6823.6
11/02/2020 08:00	5.6	4	998.9	935.8	12.8	6823.6
11/02/2020 08:15	5.6	4.1	998.7	935.8	12.8	6823.6
11/02/2020 08:30	5.6	4.3	999.1	936	12.8	6823.1

11/02/2020 08:45	5.6	4.6	999.5	936	12.8	6823.1
11/02/2020 09:00	5.6	4.8	999.4	935.8	12.8	6823.6
11/02/2020 09:15	5.6	5	999.7	936.1	12.8	6822.5
11/02/2020 09:30	5.6	5.2	999.7	936	12.8	6823.1
11/02/2020 09:45	5.5	5.5	999.9	936.1	12.8	6822.5
11/02/2020 10:00	5.5	5.7	999.7	936	12.8	6823.1
11/02/2020 10:15	5.5	6	1000	936.3	12.8	6822
11/02/2020 10:30	5.5	6.2	1000.3	936.3	12.8	6822
11/02/2020 10:45	5.5	6.5	1000.5	936.3	12.8	6822
11/02/2020 11:00	5.5	6.7	1000.5	936.2	12.9	6822.5
11/02/2020 11:15	5.5	8.2	1000.4	936.3	12.8	6822
11/02/2020 11:30	5.5	9.9	1000.5	936.5	12.8	6821.5
11/02/2020 11:45	5.5	10.8	1000.3	936.5	12.8	6821.5
11/02/2020 12:00	5.5	10.5	1000.5	936.3	12.8	6822
11/02/2020 12:15	5.5	9.9	1000.3	936.5	12.8	6821.5
11/02/2020 12:30	5.5	9.6	1000.9	936.3	12.8	6822
11/02/2020 12:45	5.5	9.7	1001	936.5	12.8	6821.5
11/02/2020 13:00	5.5	9.3	1000.8	936.3	12.8	6822
11/02/2020 13:15	5.5	8.9	1001.1	936.1	12.8	6822.5
11/02/2020 13:30	5.5	8.7	1001	936.3	12.8	6822
11/02/2020 13:45	5.5	8.5	1001.6	936.3	12.8	6822
11/02/2020 14:00	5.5	8.3	1001.8	936.3	12.8	6822
11/02/2020 14:15	5.5	8.2	1001.2	936.1	12.8	6822.5
11/02/2020 14:30	5.5	8.1	1002	936.3	12.8	6822
11/02/2020 14:45	5.5	8.1	1001.8	936.1	12.8	6822.5
11/02/2020 15:00	5.5	7.8	1001.9	936	12.8	6823.1
11/02/2020 15:15	5.5	7.5	1002.3	936.1	12.8	6822.5
11/02/2020 15:30	5.5	7.3	1002.7	936.1	12.8	6822.5
11/02/2020 15:45	5.5	7.1	1002.5	936	12.8	6823.1
11/02/2020 16:00	5.5	6.8	1003	936	12.8	6823.1
11/02/2020 16:15	5.5	6.7	1003	936	12.8	6823.1
11/02/2020 16:30	5.5	6.5	1003.3	936.1	12.8	6822.5
11/02/2020 16:45	5.5	6.2	1003.4	936.1	12.8	6822.5
11/02/2020 17:00	5.5	5.9	1003.9	936	12.8	6823.1
11/02/2020 17:15	5.5	5.7	1003.6	936	12.8	6823.1
11/02/2020 17:30	5.5	5.4	1004	936	12.8	6823.1
11/02/2020 17:45	5.5	5.2	1004.6	936	12.8	6823.1
11/02/2020 18:00	5.6	5	1004.7	936	12.8	6823.1
11/02/2020 18:15	5.6	4.7	1004.8	936.1	12.8	6822.5
11/02/2020 18:30	5.6	4.6	1005.3	936.1	12.8	6822.5
11/02/2020 18:45	5.6	4.3	1004.6	936.1	12.8	6822.5
11/02/2020 19:00	5.6	4.2	1005.2	936.1	12.8	6822.5
11/02/2020 19:15	5.6	4.1	1004.9	936.2	12.9	6822.5
11/02/2020 19:30	5.6	4	1004.9	936.1	12.8	6822.5
11/02/2020 19:45	5.6	4.1	1004.8	936.1	12.8	6822.5
11/02/2020 20:00	5.6	4.1	1005.4	936.1	12.8	6822.5
11/02/2020 20:15	5.6	4.1	1005.3	936.1	12.8	6822.5
11/02/2020 20:30	5.6	4	1005.3	936.3	12.8	6822
11/02/2020 20:45	5.6	3.9	1005.2	936.3	12.8	6822
11/02/2020 21:00	5.6	3.9	1005.3	936.3	12.8	6822

11/02/2020 21:15	5.6	3.8	1005.5	936.3	12.8	6822
11/02/2020 21:30	5.6	3.8	1005.9	936.3	12.8	6822
11/02/2020 21:45	5.6	3.7	1005.6	936.6	12.8	6821
11/02/2020 22:00	5.6	3.7	1005.7	936.6	12.8	6821
11/02/2020 22:15	5.6	3.6	1005.8	936.5	12.8	6821.5
11/02/2020 22:30	5.6	3.6	1005.6	936.5	12.8	6821.5
11/02/2020 22:45	5.6	3.6	1005.8	936.5	12.8	6821.5
11/02/2020 23:00	5.6	3.5	1006.3	936.5	12.8	6821.5
11/02/2020 23:15	5.6	3.4	1006.3	936.6	12.8	6821
11/02/2020 23:30	5.6	3.3	1006.4	936.6	12.8	6821
11/02/2020 23:45	5.6	3.2	1006.7	936.6	12.8	6821
12/02/2020 00:00	5.6	3.1	1006.8	936.5	12.8	6821.5
12/02/2020 00:15	5.6	3.1	1006.7	936.5	12.8	6821.5
12/02/2020 00:30	5.6	3	1006.7	936.6	12.8	6821
12/02/2020 00:45	5.6	3	1006.8	936.5	12.8	6821.5
12/02/2020 01:00	5.6	3	1006.5	936.6	12.8	6821
12/02/2020 01:15	5.6	2.9	1006.7	936.5	12.8	6821.5
12/02/2020 01:30	5.6	2.8	1006.4	936.6	12.8	6821
12/02/2020 01:45	5.6	2.8	1006.7	936.5	12.8	6821.5
12/02/2020 02:00	5.6	2.8	1007	936.5	12.8	6821.5
12/02/2020 02:15	5.6	2.8	1007	936.5	12.8	6821.5
12/02/2020 02:30	5.6	2.8	1007	936.3	12.8	6822
12/02/2020 02:45	5.6	2.7	1007	936.5	12.8	6821.5
12/02/2020 03:00	5.6	2.6	1006.9	936.3	12.8	6822
12/02/2020 03:15	5.6	2.5	1007.1	936.3	12.8	6822
12/02/2020 03:30	5.6	2.4	1007.3	936.1	12.8	6822.5
12/02/2020 03:45	5.6	2.4	1007.3	936.1	12.8	6822.5
12/02/2020 04:00	5.6	2.3	1007.6	936.1	12.8	6822.5
12/02/2020 04:15	5.6	2.2	1008	936.1	12.8	6822.5
12/02/2020 04:30	5.6	2	1008.3	936.1	12.8	6822.5
12/02/2020 04:45	5.6	1.9	1008.4	936.3	12.8	6822
12/02/2020 05:00	5.6	1.8	1008	936.1	12.8	6822.5
12/02/2020 05:15	5.6	1.8	1008.3	936.1	12.8	6822.5
12/02/2020 05:30	5.6	1.8	1008.1	936	12.8	6823.1
12/02/2020 05:45	5.6	1.8	1008.5	935.8	12.8	6823.6
12/02/2020 06:00	5.6	1.7	1008.7	936	12.8	6823.1
12/02/2020 06:15	5.6	1.7	1008.6	936	12.8	6823.1
12/02/2020 06:30	5.6	1.6	1008.8	936.2	12.9	6822.5
12/02/2020 06:45	5.6	1.5	1008.8	936	12.8	6823.1
12/02/2020 07:00	5.6	1.5	1009.2	936	12.8	6823.1
12/02/2020 07:15	5.6	1.5	1009	936.1	12.8	6822.5
12/02/2020 07:30	5.6	1.5	1009.4	936.1	12.8	6822.5
12/02/2020 07:45	5.6	1.6	1009.2	936.3	12.8	6822
12/02/2020 08:00	5.6	1.8	1009.5	936.3	12.8	6822
12/02/2020 08:15	5.6	2.1	1009.4	936.3	12.8	6822
12/02/2020 08:30	5.6	2.3	1009.8	936.3	12.8	6822
12/02/2020 08:45	5.6	2.6	1009.7	936.3	12.8	6822
12/02/2020 09:00	5.6	2.9	1010.1	936.3	12.8	6822
12/02/2020 09:15	5.6	3.2	1009.9	936.3	12.8	6822
12/02/2020 09:30	5.6	3.5	1009.7	936.3	12.8	6822

12/02/2020 09:45	5.6	3.9	1009.8	936.5	12.8	6821.5
12/02/2020 10:00	5.6	4.4	1009.8	936.6	12.8	6821
12/02/2020 10:15	5.6	4.9	1010.1	936.5	12.8	6821.5
12/02/2020 10:30	5.5	5.3	1009.9	936.6	12.8	6821
12/02/2020 10:45	5.5	5.8	1010.5	936.6	12.8	6821
12/02/2020 11:00	5.5	6.2	1010.5	936.6	12.8	6821
12/02/2020 11:15	5.5	7.8	1010.6	936.6	12.8	6821
12/02/2020 11:30	5.5	10.2	1010.1	936.6	12.8	6821
12/02/2020 11:45	5.5	11.5	1010.4	936.8	12.8	6820.5
12/02/2020 12:00	5.5	11.4	1010.2	936.6	12.8	6821
12/02/2020 12:15	5.5	10.5	1010.2	936.8	12.8	6820.5
12/02/2020 12:30	5.5	10	1010.6	936.8	12.8	6820.5
12/02/2020 12:45	5.5	9.9	1010.5	936.8	12.8	6820.5
12/02/2020 13:00	5.5	9.4	1010.6	936.8	12.8	6820.5
12/02/2020 13:15	5.5	9.3	1010.6	936.8	12.8	6820.5
12/02/2020 13:30	5.5	9.1	1010.7	936.8	12.8	6820.5
12/02/2020 13:45	5.5	8.6	1010.3	936.8	12.8	6820.5
12/02/2020 14:00	5.5	8.2	1010.5	936.8	12.8	6820.5
12/02/2020 14:15	5.5	8	1010.8	936.8	12.8	6820.5
12/02/2020 14:30	5.5	7.9	1011	936.8	12.8	6820.5
12/02/2020 14:45	5.5	7.8	1011.3	936.6	12.8	6821
12/02/2020 15:00	5.5	7.9	1010.7	936.6	12.8	6821
12/02/2020 15:15	5.5	8.1	1011.1	936.6	12.8	6821
12/02/2020 15:30	5.5	8.1	1011.2	936.6	12.8	6821
12/02/2020 15:45	5.5	8.1	1011.2	936.6	12.8	6821
12/02/2020 16:00	5.5	7.9	1011.2	936.5	12.8	6821.5
12/02/2020 16:15	5.5	7.5	1011.3	936.5	12.8	6821.5
12/02/2020 16:30	5.5	7	1011.5	936.5	12.8	6821.5
12/02/2020 16:45	5.5	6.5	1011.8	936.3	12.8	6822
12/02/2020 17:00	5.5	5.9	1011.9	936.3	12.8	6822
12/02/2020 17:15	5.5	5.2	1012	936.3	12.8	6822
12/02/2020 17:30	5.6	4.6	1012	936.3	12.8	6822
12/02/2020 17:45	5.6	4	1012.2	936.3	12.8	6822
12/02/2020 18:00	5.6	3.4	1012.4	936.5	12.8	6821.5
12/02/2020 18:15	5.6	3	1012.4	936.3	12.8	6822
12/02/2020 18:30	5.6	2.6	1012.5	936.3	12.8	6822
12/02/2020 18:45	5.6	2.3	1012.4	936.3	12.8	6822
12/02/2020 19:00	5.6	2.1	1012.2	936.1	12.8	6822.5
12/02/2020 19:15	5.6	1.8	1012.1	936.3	12.8	6822
12/02/2020 19:30	5.6	1.7	1012.3	936.3	12.8	6822
12/02/2020 19:45	5.6	1.6	1012	936.3	12.8	6822
12/02/2020 20:00	5.6	1.6	1012	936.5	12.8	6821.5
12/02/2020 20:15	5.6	1.6	1011.6	936.3	12.8	6822
12/02/2020 20:30	5.6	1.8	1011.5	936.3	12.8	6822
12/02/2020 20:45	5.6	1.9	1011.1	936.5	12.9	6821.5
12/02/2020 21:00	5.6	2	1011.2	936.5	12.8	6821.5
12/02/2020 21:15	5.6	2.2	1011	936.5	12.8	6821.5
12/02/2020 21:30	5.6	2.4	1010.7	936.6	12.8	6821
12/02/2020 21:45	5.6	2.5	1010.3	936.5	12.8	6821.5
12/02/2020 22:00	5.6	2.7	1010	936.6	12.8	6821

12/02/2020 22:15	5.6	2.8	1010	936.5	12.8	6821.5
12/02/2020 22:30	5.6	3	1009.5	936.6	12.8	6821
12/02/2020 22:45	5.6	3.1	1009.1	936.5	12.8	6821.5
12/02/2020 23:00	5.6	3.3	1008.9	936.5	12.8	6821.5
12/02/2020 23:15	5.6	3.7	1008.5	936.6	12.8	6821
12/02/2020 23:30	5.6	4.1	1008.1	936.6	12.8	6821
12/02/2020 23:45	5.6	4.4	1007.9	936.5	12.8	6821.5
13/02/2020 00:00	5.6	4.7	1007.5	936.5	12.8	6821.5
13/02/2020 00:15	5.6	5	1007	936.6	12.8	6821
13/02/2020 00:30	5.5	5.2	1006.8	936.6	12.8	6821
13/02/2020 00:45	5.6	5.3	1006.1	936.5	12.8	6821.5
13/02/2020 01:00	5.5	5.4	1005.8	936.5	12.8	6821.5
13/02/2020 01:15	5.5	5.6	1005.3	936.3	12.8	6822
13/02/2020 01:30	5.5	5.7	1004.3	936.5	12.8	6821.5
13/02/2020 01:45	5.5	5.8	1004.2	936.5	12.8	6821.5
13/02/2020 02:00	5.5	5.9	1003.9	936.3	12.8	6822
13/02/2020 02:15	5.5	6.1	1003.3	936.3	12.8	6822
13/02/2020 02:30	5.5	6.2	1002.1	936.1	12.8	6822.5
13/02/2020 02:45	5.5	6.4	1001.8	936.1	12.8	6822.5
13/02/2020 03:00	5.5	6.5	1001.3	936.3	12.8	6822
13/02/2020 03:15	5.5	6.5	1000.5	936	12.8	6823.1
13/02/2020 03:30	5.5	6.6	1000.3	936	12.8	6823.1
13/02/2020 03:45	5.5	6.7	999.5	935.8	12.8	6823.6
13/02/2020 04:00	5.5	6.7	998.8	935.8	12.8	6823.6
13/02/2020 04:15	5.5	6.7	997.9	936	12.8	6823.1
13/02/2020 04:30	5.5	6.7	997.4	935.8	12.8	6823.6
13/02/2020 04:45	5.5	6.6	996.9	935.8	12.8	6823.6
13/02/2020 05:00	5.5	6.5	996.2	935.5	12.8	6824.6
13/02/2020 05:15	5.5	6.4	995.3	935.5	12.8	6824.6
13/02/2020 05:30	5.5	6.3	994.7	935.3	12.8	6825.2
13/02/2020 05:45	5.5	6.2	993.9	935.3	12.8	6825.2
13/02/2020 06:00	5.5	6.2	993.4	935.3	12.8	6825.2
13/02/2020 06:15	5.5	6.2	993.1	935.2	12.8	6825.7
13/02/2020 06:30	5.5	6.2	992.3	935.2	12.8	6825.7
13/02/2020 06:45	5.5	6.2	992.3	935.2	12.8	6825.7
13/02/2020 07:00	5.5	6.3	991.8	935	12.8	6826.2
13/02/2020 07:15	5.5	6.3	990.5	935.2	12.8	6825.7
13/02/2020 07:30	5.5	6.4	989.7	935	12.8	6826.2
13/02/2020 07:45	5.5	6.5	989.3	934.8	12.8	6826.7
13/02/2020 08:00	5.5	6.7	988.8	935	12.8	6826.2
13/02/2020 08:15	5.5	6.8	989	935	12.8	6826.2
13/02/2020 08:30	5.5	6.9	989.1	935.2	12.8	6825.7
13/02/2020 08:45	5.5	7	989.2	935	12.8	6826.2
13/02/2020 09:00	5.5	7.2	989.2	935.2	12.8	6825.7
13/02/2020 09:15	5.5	7.5	989.5	935.2	12.8	6825.7
13/02/2020 09:30	5.5	7.7	989.4	935.3	12.8	6825.2
13/02/2020 09:45	5.5	7.8	989.3	935.2	12.8	6825.7
13/02/2020 10:00	5.5	7.9	988.8	935.2	12.8	6825.7
13/02/2020 10:15	5.5	8	989	935.3	12.8	6825.2
13/02/2020 10:30	5.5	8.4	989.1	935.3	12.8	6825.2

13/02/2020 10:45	5.5	9.1	988.6	935.2	12.8	6825.7
13/02/2020 11:00	5.5	9.5	988.3	935.3	12.8	6825.2
13/02/2020 11:15	5.5	9.8	988.3	935.2	12.8	6825.7
13/02/2020 11:30	5.5	11.1	988.1	935.3	12.8	6825.2
13/02/2020 11:45	5.5	12.8	987.9	935.2	12.8	6825.7
13/02/2020 12:00	5.5	13.1	987.8	935.3	12.8	6825.2
13/02/2020 12:15	5.5	13.3	987.7	935.2	12.8	6825.7
13/02/2020 12:30	5.5	13.2	988	935.3	12.8	6825.2
13/02/2020 12:45	5.5	12.7	987.6	935.5	12.8	6824.6
13/02/2020 13:00	5.5	12.2	987.7	935.3	12.8	6825.2
13/02/2020 13:15	5.5	11.5	987.8	935.5	12.8	6824.6
13/02/2020 13:30	5.5	11.3	988.1	935.5	12.8	6824.6
13/02/2020 13:45	5.5	11.2	988	935.5	12.8	6824.6
13/02/2020 14:00	5.5	11	988.1	935.5	12.8	6824.6
13/02/2020 14:15	5.5	11	988.2	935.5	12.8	6824.6
13/02/2020 14:30	5.5	11	988.6	935.6	12.8	6824.1
13/02/2020 14:45	5.5	11	988.9	935.5	12.8	6824.6
13/02/2020 15:00	5.5	10.9	989.1	935.5	12.8	6824.6
13/02/2020 15:15	5.5	11	989.6	935.5	12.8	6824.6
13/02/2020 15:30	5.5	10.9	989.8	935.5	12.8	6824.6
13/02/2020 15:45	5.5	10.6	990	935.5	12.8	6824.6
13/02/2020 16:00	5.5	10.2	991	935.5	12.8	6824.6
13/02/2020 16:15	5.5	9.7	991.5	935.5	12.8	6824.6
13/02/2020 16:30	5.5	9	991.8	935.5	12.8	6824.6
13/02/2020 16:45	5.5	8.4	992.4	935.5	12.8	6824.6
13/02/2020 17:00	5.5	7.8	993.3	935.5	12.8	6824.6
13/02/2020 17:15	5.5	7.2	994.2	935.5	12.8	6824.6
13/02/2020 17:30	5.5	6.9	995	935.5	12.8	6824.6
13/02/2020 17:45	5.5	6.8	995.3	935.3	12.8	6825.2
13/02/2020 18:00	5.5	6.7	995.9	935.5	12.8	6824.6
13/02/2020 18:15	5.5	6.5	996.8	935.6	12.8	6824.1
13/02/2020 18:30	5.5	6.2	997.2	935.5	12.8	6824.6
13/02/2020 18:45	5.5	6	997.6	935.5	12.8	6824.6
13/02/2020 19:00	5.5	5.9	998.2	935.5	12.8	6824.6
13/02/2020 19:15	5.5	6.2	998.9	935.5	12.8	6824.6
13/02/2020 19:30	5.5	6.3	998.8	935.6	12.8	6824.1
13/02/2020 19:45	5.5	6.3	999.2	935.5	12.8	6824.6
13/02/2020 20:00	5.5	6.1	999.8	935.8	12.8	6823.6
13/02/2020 20:15	5.5	5.9	1000.5	935.8	12.8	6823.6
13/02/2020 20:30	5.5	5.6	1001.3	935.8	12.8	6823.6
13/02/2020 20:45	5.5	5.6	1002	936	12.8	6823.1
13/02/2020 21:00	5.5	5.7	1002.2	936	12.8	6823.1
13/02/2020 21:15	5.5	5.9	1002.8	936	12.8	6823.1
13/02/2020 21:30	5.5	6	1003.2	936	12.8	6823.1
13/02/2020 21:45	5.5	6.1	1003.6	936.1	12.8	6822.5
13/02/2020 22:00	5.5	6.2	1004.1	936	12.8	6823.1
13/02/2020 22:15	5.5	6.2	1004.5	936.3	12.8	6822
13/02/2020 22:30	5.5	6.3	1005	936.3	12.8	6822
13/02/2020 22:45	5.5	6.4	1005.6	936.3	12.8	6822
13/02/2020 23:00	5.5	6.5	1006.2	936.3	12.8	6822

13/02/2020 23:15	5.5	6.5	1006.1	936.5	12.8	6821.5
13/02/2020 23:30	5.5	6.5	1006.6	936.6	12.8	6821
13/02/2020 23:45	5.5	6.6	1007.2	936.5	12.8	6821.5
14/02/2020 00:00	5.5	6.5	1007.9	936.5	12.8	6821.5
14/02/2020 00:15	5.5	6.5	1008.2	936.5	12.8	6821.5
14/02/2020 00:30	5.5	6.5	1008.5	936.6	12.8	6821
14/02/2020 00:45	5.5	6.5	1009	936.8	12.8	6820.5
14/02/2020 01:00	5.5	6.5	1009.2	936.8	12.8	6820.5
14/02/2020 01:15	5.5	6.5	1009.6	936.6	12.8	6821
14/02/2020 01:30	5.5	6.5	1010	936.8	12.8	6820.5
14/02/2020 01:45	5.5	6.5	1010.3	936.8	12.8	6820.5
14/02/2020 02:00	5.5	6.5	1010.5	936.8	12.8	6820.5
14/02/2020 02:15	5.5	6.5	1010.7	936.6	12.8	6821
14/02/2020 02:30	5.5	6.5	1010.9	936.6	12.8	6821
14/02/2020 02:45	5.5	6.5	1011	936.8	12.8	6820.5
14/02/2020 03:00	5.5	6.4	1011.2	936.8	12.8	6820.5
14/02/2020 03:15	5.5	6.4	1011.3	936.8	12.8	6820.5
14/02/2020 03:30	5.5	6.3	1011.8	936.6	12.8	6821
14/02/2020 03:45	5.5	6.3	1011.7	936.8	12.8	6820.5
14/02/2020 04:00	5.5	6.2	1012.2	936.8	12.8	6820.5
14/02/2020 04:15	5.5	6.2	1012.9	936.6	12.8	6821
14/02/2020 04:30	5.5	6.1	1013.3	936.5	12.8	6821.5
14/02/2020 04:45	5.5	6.1	1013.4	936.6	12.8	6821
14/02/2020 05:00	5.5	6.1	1014	936.6	12.8	6821
14/02/2020 05:15	5.5	6	1014	936.5	12.8	6821.5
14/02/2020 05:30	5.5	6	1014	936.6	12.8	6821
14/02/2020 05:45	5.5	6	1014.3	936.5	12.8	6821.5
14/02/2020 06:00	5.5	5.9	1014.3	936.5	12.8	6821.5
14/02/2020 06:15	5.5	5.9	1014.5	936.5	12.8	6821.5
14/02/2020 06:30	5.5	5.9	1014.6	936.5	12.8	6821.5
14/02/2020 06:45	5.5	5.8	1015	936.3	12.8	6822
14/02/2020 07:00	5.5	5.7	1015.1	936.5	12.8	6821.5
14/02/2020 07:15	5.5	5.5	1015.3	936.3	12.8	6822
14/02/2020 07:30	5.5	5.5	1015.4	936.5	12.9	6821.5
14/02/2020 07:45	5.5	5.6	1015.5	936.3	12.8	6822
14/02/2020 08:00	5.5	5.8	1015.9	936.1	12.8	6822.5
14/02/2020 08:15	5.5	6.1	1015.8	936.3	12.8	6822
14/02/2020 08:30	5.5	6.3	1015.7	936.3	12.8	6822
14/02/2020 08:45	5.5	6.4	1015.9	936.3	12.8	6822
14/02/2020 09:00	5.5	6.6	1015.7	936.3	12.8	6822

GEOSENSE QUALITY FORM	
FORM No G/QF/149	
ISS.	7
DATE :	Jan-16
SIG.	GC

JCBH 2019_8

STANDARD VW PIEZOMETER LAE CALIBRATION

Model	VWP-3000	Cal date	22/10/2018	SN.	8233
Serial	348737	Baro	1021.8	Readout No.	2108
Works ID	G7 5 89	Temp °C	20	R/O Cal. date	09/05/2018

Applied pressure		Readings [digit]			Calculated Pressure		Error % fso	
psi	kPa	1 up	1 down	avg.[digit]	lin.[kPa]	polyn.[kPa]	linear	polynomial
0.000	0.000	9833.4	9834.2	9833.8	1.92	-0.03	0.18%	0.00%
30.167	208.000	9167.2	9168.7	9168.0	207.68	208.06	-0.03%	0.01%
60.334	416.000	8498.4	8499.5	8499.0	414.42	415.99	-0.15%	0.00%
90.500	624.000	7825.2	7826.6	7825.9	622.42	624.00	-0.15%	0.00%
120.667	832.000	7148.6	7149.8	7149.2	831.54	831.96	-0.04%	0.00%
150.834	1040.000	6467.9	6468.5	6468.2	1041.97	1040.02	0.19%	0.00%

Calibration of Fluke Pressure Controller PPC4EX S/N: 8233 valid from 23rd March 2018. Certificate of Calibration No 47934, Chamois Metrology UKAS No 0822

CALIBRATION FACTORS

Linear factor (k)

kPa per digit	psi per digit	mH_2O per digit
-0.309027649	-0.044819	-0.031512

Polynomial factors

	kPa	psi	mH_2O
A	-1.29493E-06	-1.87807E-07	-1.3205E-07
B	-0.287917013	-0.041757	-0.029359
C			

Thermal factor (T)

kPa per °C	psi per °C	mH_2O per °C
0.331235883	0.048040012	0.033777

Note: Digits are $Hz^2 \times 10^{-3}$ units.

(please consult the User Manuals for conversion of alternative reading units)

Polynomial calculation [kPa] = A * (Reading)^2 + B * (Reading) + C + T * (Current Temp - Site Zero Temp)

C = -A*(Site Zero Reading^2) - B*(Site Zero Reading)

Linear calc = k (kPa) * (Current Reading - Site Zero Reading) + T * (Current Temp - Site Zero Temp)

CALIBRATED TO UKAS TRACEABLE STANDARD
GEOSENSE CERTIFIED ISO 9001 :2015

THIS CERTIFICATE IS VALID ONLY WHEN CARRYING THE OFFICIAL ORIGINAL STAMP OF GEOSENSE BELOW

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APPENDIX G - GEOTECHNICAL LABORATORY TESTING

(i) Geotechnical Laboratory Test Results

(ii) ATN Spreadsheet

TESTING VERIFICATION CERTIFICATE

1774

The test results included in this report are certified as:-

ISSUE STATUS: **FINAL**

In accordance with the Structural Soils Ltd Laboratory Quality Management System, results sheets and summaries of results issued by the laboratory are checked by an approved signatory. The integrity of the test data and results are ensured by control of the computer system employed by the laboratory as part of the Software Verification Program as detailed in the Laboratory Quality Manual.

This testing verification certificate covers all testing compiled on or before the following datetime: **30/05/2020 11:08:46**.

Testing reported after this date is not covered by this Verification Certificate.



Approved Signatory
Alan Frost (Data Quality Manager)

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STRUCTURAL SOILS LTD	Contract: **Sizewell C Onshore GI Phase 2 2019**	Job No: **734318**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - LAB VERIFICATION REPORT - V02 - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07_
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 30/05/20 - 11:11 | AF3 |

SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
CH2019_R2	21	C	44.93	38.1				88	40	48	100	Dark brown clayey SILT
CH2019_R2	22	D	47.60	40.5				88	33	55	99	Dark brown slightly gravelly CLAY
CH2019_R2	23	D	48.10	49.1				76	28	48	95	Dark brown slightly gravelly CLAY
CH2019_R2	24	D	49.80	73.4				104	38	66	63	Dark grey gravelly CLAY
CH2019_R2	22	C	51.38	37.3				88	31	57	100	Dark greyish brown silty CLAY
CH2019_R2	23	C	53.27	36.3				81	31	50	100	Dark greyish brown silty CLAY
CH2019_R2	25	C	53.95	32.2				84	29	55	100	Dark greyish brown silty CLAY
CH2019_R2	27	C	55.00	30.3				77	27	50	100	Dark greyish brown CLAY

SYMBOLS: * denotes BS 1377

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SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
CH2019_R2	29	D	56.30	31.4				80	27	53	100	Dark brown CLAY
CH2019_R2	31	C	57.00	31.3				58	25	33	100	Dark greyish brown slightly sandy silty CLAY
CH2019_R2	36	C	65.50	19.3				NP	NP	NP	100	Brownish grey clayey SAND
CH2019_R2	39	C	67.56	31.2				64	25	39	100	Brownish grey CLAY
CH2019_R2	41	C	69.48	26.1				52	23	29	100	Bluish grey slightly sandy silty CLAY
CH2019_R2	42	C	70.00	30.7				69	21	48	100	Bluish grey slightly sandy silty CLAY
CH2019_R2	45	C	71.50	41.2				131	34	97	100	Dark grey silty CLAY
CH2019_R2	48	C	73.00	70.8				134	37	97	100	Dark grey silty CLAY

SYMBOLS: * denotes BS 1377

SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
CH2019_R2	50	C	73.81	47.7				118	41	77	100	Dark grey silty CLAY
CH2019_R2	54	C	76.19	37.6				107	40	67	100	Dark grey silty CLAY
CH2019_R2	58	C	78.24	44.9				130	58	72	100	Dark grey clayey SILT
CH2019_R2	61	C	81.13	32.9				88	37	51	100	Dark brown silty CLAY
DCBH2019_2	21	C	31.05	16.8				NP	NP	NP	85	Brown mottled grey slightly gravelly slightly silty/clayey SAND
DCBH2019_2	23	C	33.30	17.2				NP	NP	NP	98	Dark grey mottled brown slightly gravelly slightly silty/clayey SAND
DCBH2019_2	45	C	57.02	22.1				33	18	15	96	Dark yellowish brown mottled grey slightly sandy silty CLAY
DCBH2019_2	46	C	59.02	27.4				NP	NP	NP	100	Dark yellowish brown slightly sandy SILT

SYMBOLS: * denotes BS 1377

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SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_3	23	C	36.50	13.0				NP	NP	NP	97	Grey mottled brown slightly gravelly silty/clayey SAND
DCBH2019_3	9	D	48.35	46.8				98	32	66	100	Dark brownish grey slightly sandy CLAY
DCBH2019_3	10	D	49.51	41.3				89	33	56	100	Dark brownish grey slightly sandy CLAY
DCBH2019_3	12	D	52.00	56.5				48	25	23	98	Dark brown slightly gravelly slightly sandy silty CLAY
DCBH2019_3	31	C	53.09	59.8				96	45	51	100	Dark greyish brown slightly sandy CLAY
DCBH2019_3	13	D	54.10	38.2				77	30	47	89	Grey mottled brown slightly gravelly slightly sandy CLAY
DCBH2019_3	35	C	56.49	38.1				98	29	69	100	Dark brown slightly sandy CLAY
DCBH2019_3	38	C	59.72	17.1				31	19	12	97	Brownish grey mottled bluish grey slightly gravelly slightly sandy SILT

SYMBOLS: * denotes BS 1377

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SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_3	39	C	61.39	22.8				53	22	31	100	Greyish brown mottled grey CLAY
DCBH2019_3	40	C	62.23	21.7				40	17	23	100	Yellowish brown mottled grey slightly sandy silty CLAY
DCBH2019_3	15	D	64.00	25.8				NP	NP	NP	100	Dark brown very silty/clayey SAND
DCBH2019_3	42	C	65.18	21.9				NP	NP	NP	100	Grey mottled brown silty SAND
DCBH2019_3	45	C	67.44	20.7				49	21	28	100	Grey slightly gravelly slightly sandy CLAY
DCBH2019_3	48	C	69.50	19.3				42	18	24	100	Grey CLAY
DCBH2019_3	50	C	71.00	30.4				55	20	35	100	Dark bluish grey slightly sandy CLAY
DCBH2019_3	52	C	72.14	30.6				72	24	48	97	Dark bluish grey mottled red slightly gravelly slightly sandy CLAY

SYMBOLS: * denotes BS 1377

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In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_3	63	C	80.20	40.1				109	47	62	100	Dark grey sandy CLAY
DCBH2019_3	65	C	81.50	29.3				94	27	67	100	Dark brown CLAY
DCBH2019_4	5	C	52.64	40.3				84	32	52	100	Dark brown slightly sandy silty CLAY
DCBH2019_4	6	C	55.54	35.7				85	27	58	100	Dark brownish grey slightly sandy CLAY
DCBH2019_5	14	C	46.70	41.2				100	35	65	100	Greyish brown CLAY
DCBH2019_5	15	C	49.17	46.4				79	43	36	100	Grey sandy silty CLAY
DCBH2019_5	16	C	51.60	32.2				81	31	50	100	Greyish brown slightly sandy CLAY
DCBH2019_5	17	C	54.47	43.4				96	39	57	100	Dark brown silty CLAY

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Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_5	18	C	59.50	21.3				48	23	25	100	Brown slightly sandy silty CLAY
DCBH2019_5	20	C	68.00	26.2				67	28	39	100	Grey mottled yellowish brown slightly sandy CLAY
DCBH2019_5	21	C	72.42	38.6				135	32	103	100	Dark grey silty CLAY
DCBH2019_5	22	C	81.00	36.7				99	41	58	100	Brown silty CLAY
DCBH2019_6	13	D	45.50	43.2				97	39	58	100	Greyish brown slightly sandy silty CLAY
DCBH2019_6	18	C	47.42	42.1				88	31	57	95	Greyish brown slightly gravelly CLAY
DCBH2019_6	19	C	48.82	44.8				92	33	59	100	Brown CLAY
DCBH2019_6	14	D	51.70	43.3				89	29	60	100	Greyish brown slightly sandy CLAY

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SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_6	24	C	54.52	36.5				86	27	59	100	Brown CLAY
DCBH2019_6	25	C	55.20	32.1				79	28	51	100	Dark brown CLAY
DCBH2019_6	15	D	56.60	27.4				44	18	26	91	Greyish brown sandy CLAY
DCBH2019_6	28	C	61.45	22.6				NP	NP	NP	100	Dark brown slightly gravelly silty/clayey SAND
DCBH2019_6	29	C	62.20	24.2				NP	NP	NP	100	Dark greyish brown slightly silty SAND
DCBH2019_6	30	C	62.95	23.1				NP	NP	NP	100	Dark greyish brown silty/clayey SAND
DCBH2019_6	31	C	65.95	28.0				40	18	22	99	Greyish brown slightly gravelly slightly sandy CLAY
DCBH2019_6	32	C	67.08	21.7				45	15	30	99	Dark grey slightly sandy CLAY

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In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_6	17	D	67.76	15.8				35	15	20	100	Bluish grey mottled red slightly sandy silty CLAY
DCBH2019_6	35	C	69.70	28.5				NP	NP	NP	100	Dark greenish grey sandy silty CLAY
DCBH2019_6	19	D	71.05	42.9				122	38	84	100	Dark brown slightly sandy silty CLAY
DCBH2019_6	38	C	71.62	42.5				136	35	101	100	Greyish brown CLAY
DCBH2019_6	42	C	74.20	45.0				161	41	120	100	Dark grey CLAY
DCBH2019_6	43	C	76.16	39.5				119	36	83	100	Dark grey slightly sandy silty CLAY
DCBH2019_6	45	C	77.78	40.5				127	41	86	100	Dark grey CLAY
DCBH2019_6	21	D	80.50	29.1				119	40	79	100	Dark reddish brown slightly sandy silty CLAY

SYMBOLS: * denotes BS 1377

SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_7	16	C	36.75	14.8				NP	NP	NP	76	Dark grey slightly gravelly silty/clayey SAND
DCBH2019_7	12	D	39.25	18.1				NP	NP	NP	71	Grey slightly silty SAND
DCBH2019_7	22	C	47.00	51.2				90	41	49	100	Greyish brown slightly sandy silty CLAY
DCBH2019_7	19	D	48.45	54.4				85	30	55	96	Brown slightly gravelly CLAY
DCBH2019_7	20	D	50.30	51.8				96	34	62	100	Greyish brown CLAY
DCBH2019_7	21	D	51.30	45.0				90	31	59	100	Grey silty CLAY
DCBH2019_7	23	D	53.40	40.0				84	26	58	100	Dark greyish brown CLAY
DCBH2019_7	24	D	54.40	38.0				90	31	59	100	Dark brown slightly sandy CLAY

SYMBOLS: * denotes BS 1377

SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_7	25	C	55.81	42.2				81	27	54	100	Dark brown slightly gravelly slightly sandy silty CLAY
DCBH2019_7	27	C	57.06	27.6				71	25	46	100	Dark brown slightly sandy CLAY
DCBH2019_7	28	C	57.44	19.1				34	14	20	96	Dark brown very clayey SAND
DCBH2019_7	26	D	57.70	21.0				NP	NP	NP	95	Light brown slightly gravelly very silty SAND
DCBH2019_7	27	D	58.70	16.8				NP	NP	NP	100	Brown very clayey SAND
DCBH2019_7	28	D	59.70	26.2				34	19	15	100	Light brown sandy CLAY
DCBH2019_7	29	D	60.70	26.0				NP	NP	NP	100	Light brown mottled grey sandy SILT
DCBH2019_7	31	D	62.10	23.2				32	17	15	100	Greyish brown sandy CLAY

SYMBOLS: * denotes BS 1377

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SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_7	36	C	64.20	19.2				NP	NP	NP	100	Greyish brown silty/clayey SAND
DCBH2019_7	33	D	66.00	23.2				28	13	15	89	Greyish brown slightly gravelly very silty/clayey SAND
DCBH2019_7	37	C	66.70	29.4				67	24	43	100	Greyish brown slightly sandy CLAY
DCBH2019_7	38	C	67.56	28.3				58	26	32	94	Greyish brown slightly gravelly CLAY
DCBH2019_7	34	D	67.71	27.5				70	26	44	99	Greyish brown slightly gravelly slightly sandy CLAY
DCBH2019_7	39	C	69.00	27.2				68	28	40	100	Bluish grey mottled orange CLAY
DCBH2019_7	36	D	69.30	30.1				67	24	43	100	Bluish grey mottled orange and purple slightly sandy CLAY
DCBH2019_7	37	D	70.30	36.3				107	34	73	100	Bluish grey slightly sandy CLAY

SYMBOLS: * denotes BS 1377

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SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_7	38	D	71.30	42.9				170	37	133	100	Dark grey slightly sandy CLAY
DCBH2019_7	40	C	71.41	43.3				182	35	147	100	Dark grey slightly sandy CLAY
DCBH2019_7	39	D	72.30	45.0				135	35	100	100	Dark grey CLAY
DCBH2019_7	42	C	72.96	45.4				143	42	101	100	Dark brown CLAY
DCBH2019_7	43	C	73.94	40.7				127	37	90	100	Dark brownish grey CLAY
DCBH2019_7	44	C	74.50	43.3				131	38	93	100	Dark brownish grey CLAY
DCBH2019_7	41	D	75.00	40.8				135	33	102	100	Greyish brown slightly sandy CLAY
DCBH2019_7	47	C	76.29	41.2				130	35	95	100	Dark brownish grey CLAY

SYMBOLS: * denotes BS 1377

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SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1,Part 2,Part 3,Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Particle Density Mg/m^3	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
DCBH2019_7	43	D	77.20	44.2				133	38	95	100	Dark brownish grey CLAY
DCBH2019_7	44	D	78.20	46.0				110	43	67	100	Dark brownish grey silty CLAY
DCBH2019_7	50	C	78.51	42.3				141	54	87	100	Dark brownish grey silty CLAY
DCBH2019_7	52	C	79.27	39.0				105	46	59	100	Dark brownish grey clayey SILT
DCBH2019_7	45	D	79.60	34.2				114	34	80	100	Dark brownish grey CLAY
DCBH2019_7	46	D	80.71	34.2				92	31	61	100	Reddish brown CLAY
DCBH2019_7	47	D	81.30	40.0				116	51	65	100	Reddish brown clayey SILT

SYMBOLS: * denotes BS 1377

STRUCTURAL SOILS LTD

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Sizewell C Onshore GI Phase 2 2019

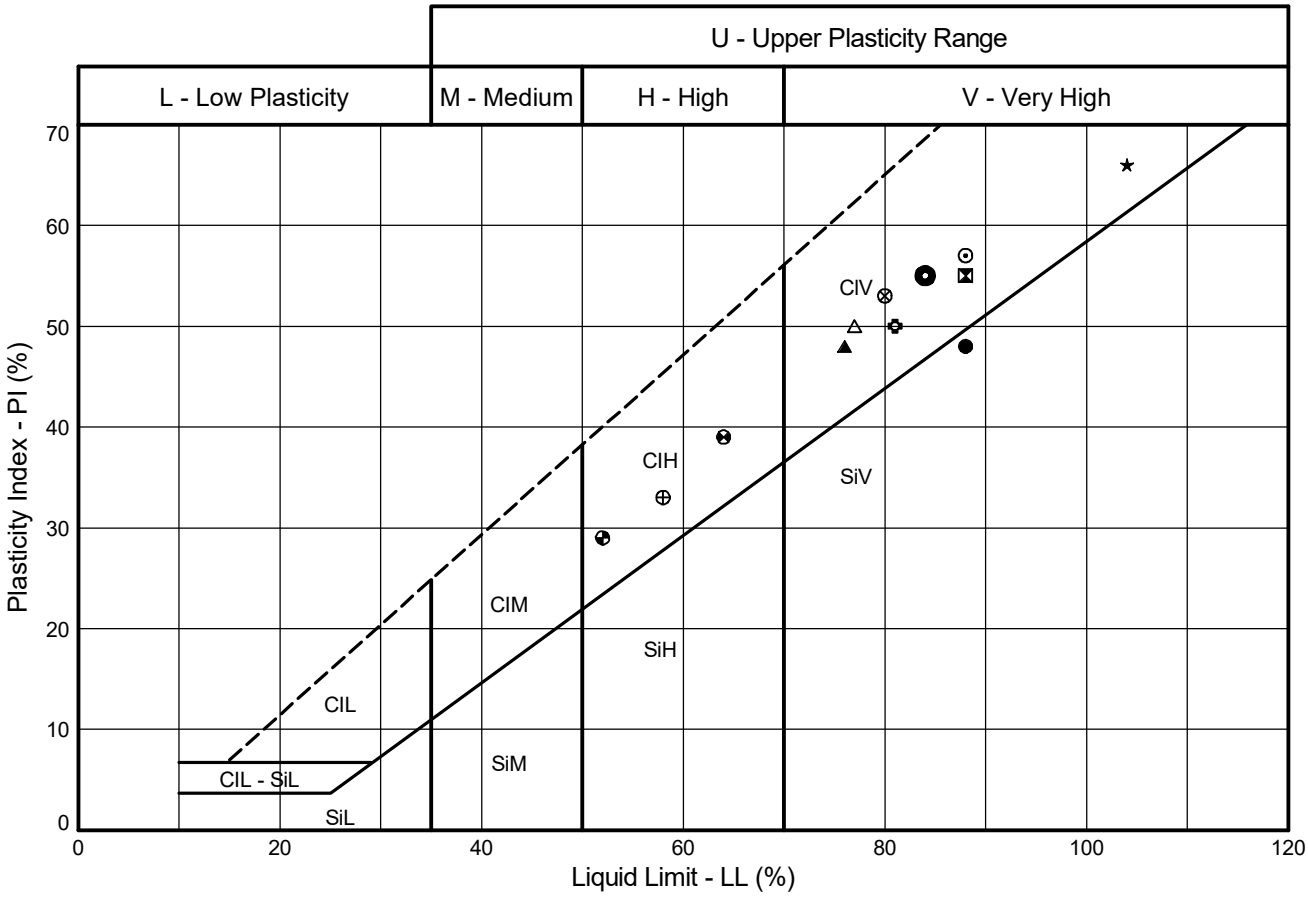
Contract Ref:

734318

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PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC	LL	PL	PI	<425µm	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%		
●	CH2019_R2	21C	44.93	5.3/5.5/6.5	5.2.1	38.1	88	40	48	100	B	
⊠	CH2019_R2	22D	47.60	5.3/5.5/6.5	5.2.1	40.5	88	33	55	99	B	
▲	CH2019_R2	23D	48.10	5.3/5.5/6.5	5.2.1	49.1	76	28	48	95	B	
★	CH2019_R2	24D	49.80	5.3/5.5/6.5	5.2.7	73.4	104	38	66	63	B	
⊙	CH2019_R2	22C	51.38	5.3/5.5/6.5	5.2.1	37.3	88	31	57	100	B	
✿	CH2019_R2	23C	53.27	5.3/5.5/6.5	5.2.1	36.3	81	31	50	100	B	
◉	CH2019_R2	25C	53.95	5.3/5.5/6.5	5.2.1	32.2	84	29	55	100	B	
△	CH2019_R2	27C	55.00	5.3/5.5/6.5	5.2.1	30.3	77	27	50	100	B	
⊗	CH2019_R2	29D	56.30	5.3/5.5/6.5	5.2.7	31.4	80	27	53	100	B	
⊕	CH2019_R2	31C	57.00	5.3/5.5/6.5	5.2.1	31.3	58	25	33	100	B	
	CH2019_R2	36C	65.50	5.3/5.5/6.5	5.2.1	19.3	NP	NP	NP	100	B	
⊛	CH2019_R2	39C	67.56	5.3/5.5/6.5	5.2.1	31.2	64	25	39	100	B	
◓	CH2019_R2	41C	69.48	5.3/5.5/6.5	5.2.1	26.1	52	23	29	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

STRUCTURAL SOILS LTD

Compiled By: [redacted]

Date: **29/05/20**

FRANCESCA BENNETT

Sizewell C Onshore GI Phase 2 2019

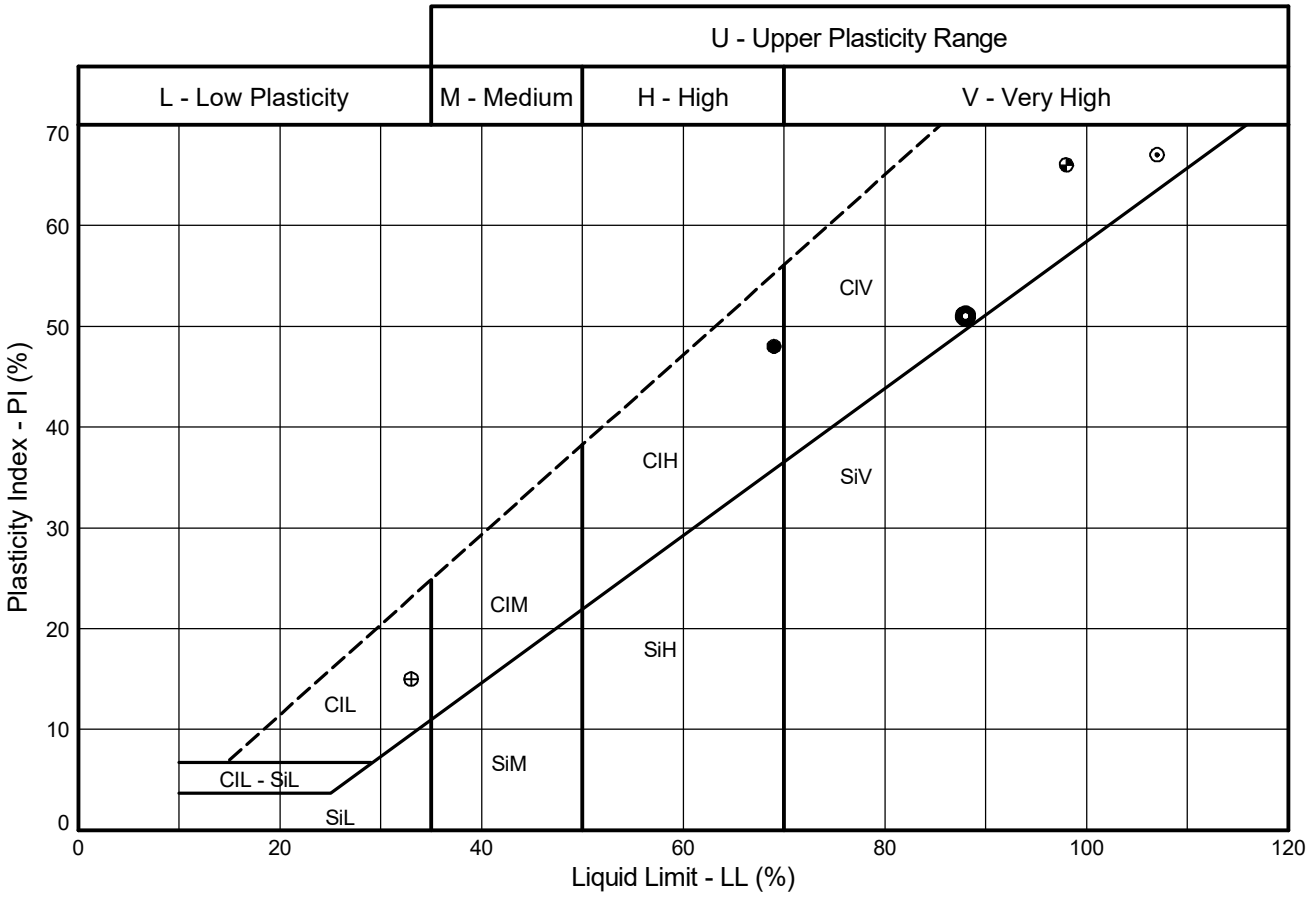
Contract Ref: **734318**

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GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - ALINE STANDARD - 17892 - A4P - W | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 29/05/20 - 10:12 | AF3 |

PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC	LL	PL	PI	<425µm	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%		
●	CH2019_R2	42C	70.00	5.3/5.5/6.5	5.2.1	30.7	69	21	48	100	B	
	CH2019_R2	45C	71.50	5.3/5.5/6.5	5.2.1	41.2	131	34	97	100	B	
	CH2019_R2	48C	73.00	5.3/5.5/6.5	5.2.1	70.8	134	37	97	100	B	
	CH2019_R2	50C	73.81	5.3/5.5/6.5	5.2.1	47.7	118	41	77	100	B	
⊙	CH2019_R2	54C	76.19	5.3/5.5/6.5	5.2.1	37.6	107	40	67	100	B	
	CH2019_R2	58C	78.24	5.3/5.5/6.5	5.2.1	44.9	130	58	72	100	B	
◉	CH2019_R2	61C	81.13	5.3/5.5/6.5	5.2.1	32.9	88	37	51	100	B	
	DCBH2019_2	21C	31.05	5.3/5.5/6.5	5.2.1	16.8	NP	NP	NP	85	B	
	DCBH2019_2	23C	33.30	5.3/5.5/6.5	5.2.1	17.2	NP	NP	NP	98	B	
⊕	DCBH2019_2	45C	57.02	5.3/5.5/6.5	5.2.1	22.1	33	18	15	96	B	
	DCBH2019_2	46C	59.02	5.3/5.5/6.5	5.2.1	27.4	NP	NP	NP	100	B	
	DCBH2019_3	23C	36.50	5.3.14/5.5/6.5	5.2.1	13.0	NP	NP	NP	97	B	
⊕	DCBH2019_3	9D	48.35	5.3/5.5/6.5	5.2.1	46.8	98	32	66	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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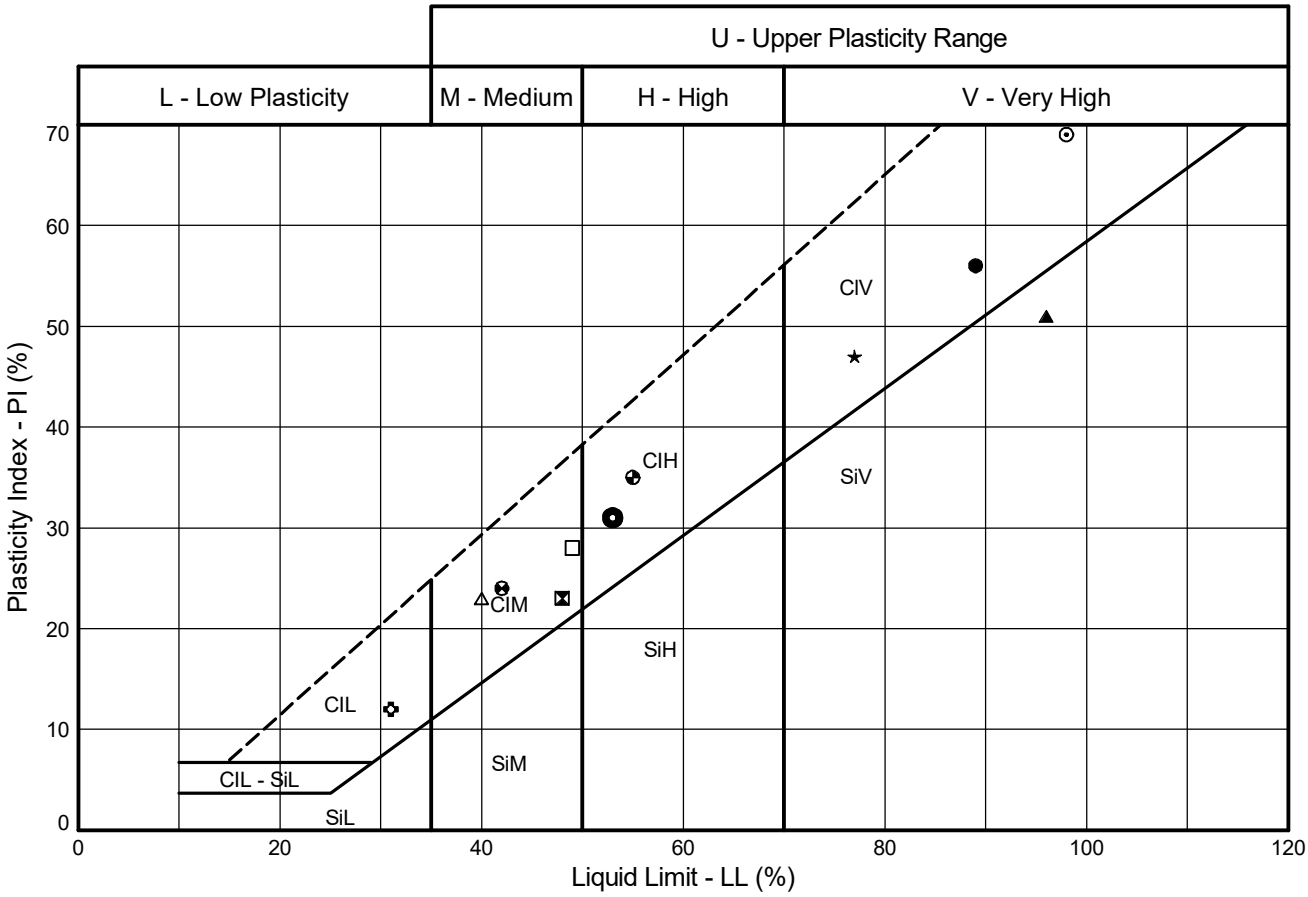
Contract Ref: **734318**

AGS

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - ALINE STANDARD - 17892 - A4P - W | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC	LL	PL	PI	<425µm	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%		
●	DCBH2019_3	10D	49.51	5.3/5.5/6.5	5.2.1	41.3	89	33	56	100	B	
⊠	DCBH2019_3	12D	52.00	5.3/5.5/6.5	5.2.7	56.5	48	25	23	98	B	
▲	DCBH2019_3	31C	53.09	5.3/5.5/6.5	5.2.1	59.8	96	45	51	100	B	
★	DCBH2019_3	13D	54.10	5.3/5.5/6.5	5.2.1	38.2	77	30	47	89	B	
⊙	DCBH2019_3	35C	56.49	5.3/5.5/6.5	5.2.1	38.1	98	29	69	100	B	
✿	DCBH2019_3	38C	59.72	5.3/5.5/6.5	5.2.1	17.1	31	19	12	97	B	
◉	DCBH2019_3	39C	61.39	5.3/5.5/6.5	5.2.1	22.8	53	22	31	100	B	
△	DCBH2019_3	40C	62.23	5.3/5.5/6.5	5.2.1	21.7	40	17	23	100	B	
	DCBH2019_3	15D	64.00	5.3.14/5.5/6.5	5.2.7	25.8	NP	NP	NP	100	C	
	DCBH2019_3	42C	65.18	5.3.14/5.5/6.5	5.2.7	21.9	NP	NP	NP	100	C	
□	DCBH2019_3	45C	67.44	5.3/5.5/6.5	5.2.1	20.7	49	21	28	100	B	
⊗	DCBH2019_3	48C	69.50	5.3/5.5/6.5	5.2.1	19.3	42	18	24	100	B	
⊕	DCBH2019_3	50C	71.00	5.3/5.5/6.5	5.2.1	30.4	55	20	35	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Compiled By	Date
[redacted] FRANCESCA BENNETT	29/05/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

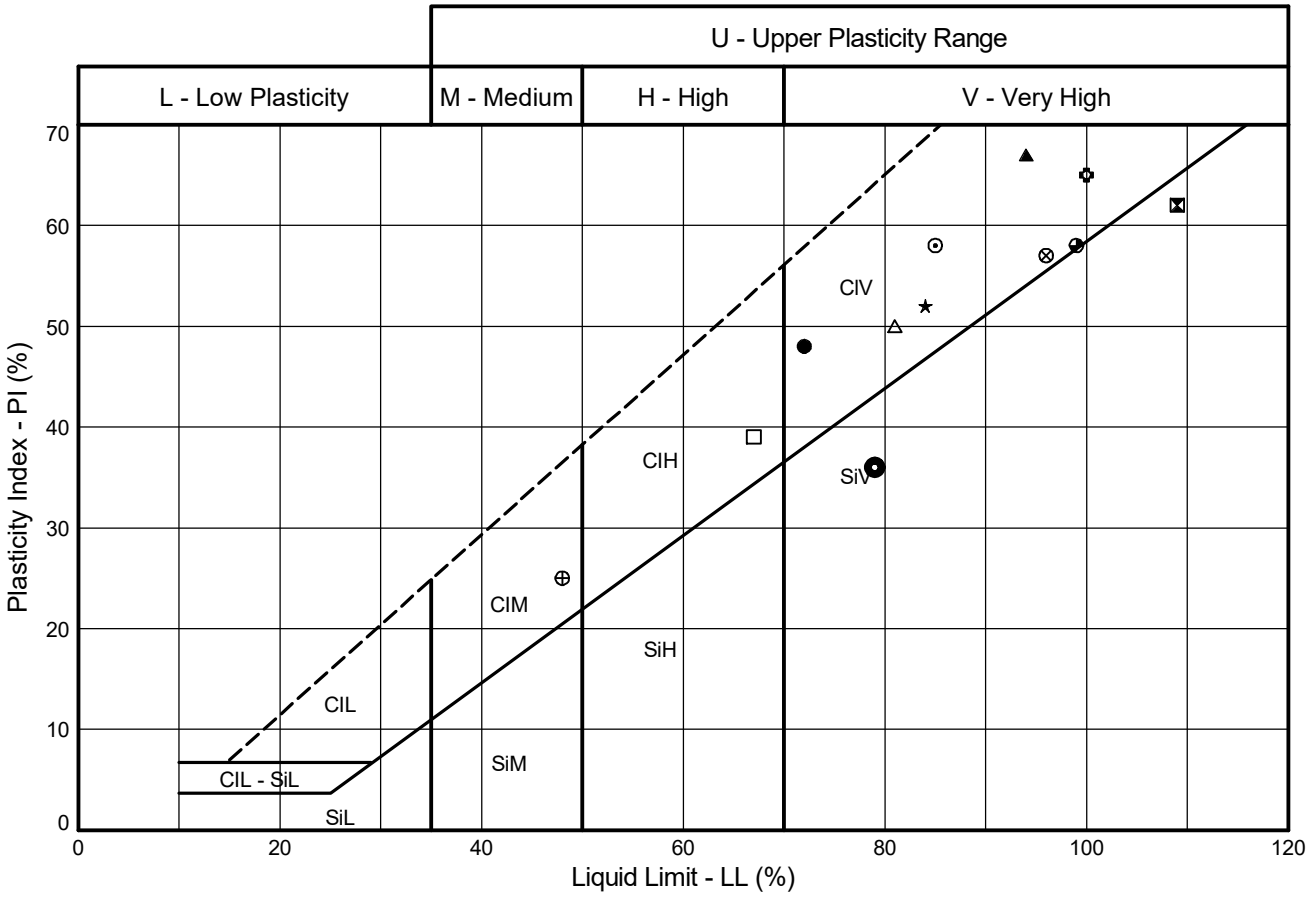
Contract Ref: **734318**

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GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - ALINE STANDARD - 17892 - A4P - W | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC	LL	PL	PI	<425µm	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%		
●	DCBH2019_3	52C	72.14	5.3/5.5/6.5	5.2.1	30.6	72	24	48	97	B	
⊠	DCBH2019_3	63C	80.20	5.3/5.5/6.5	5.2.1	40.1	109	47	62	100	B	
▲	DCBH2019_3	65C	81.50	5.3/5.5/6.5	5.2.1	29.3	94	27	67	100	B	
★	DCBH2019_4	5C	52.64	5.3/5.5/6.5	5.2.1	40.3	84	32	52	100	B	
⊙	DCBH2019_4	6C	55.54	5.3/5.5/6.5	5.2.1	35.7	85	27	58	100	B	
✿	DCBH2019_5	14C	46.70	5.3/5.5/6.5	5.2.1	41.2	100	35	65	100	B	
◉	DCBH2019_5	15C	49.17	5.3/5.5/6.5	5.2.1	46.4	79	43	36	100	B	
△	DCBH2019_5	16C	51.60	5.3/5.5/6.5	5.2.1	32.2	81	31	50	100	B	
⊗	DCBH2019_5	17C	54.47	5.3/5.5/6.5	5.2.1	43.4	96	39	57	100	B	
⊕	DCBH2019_5	18C	59.50	5.3.14/5.5/6.5	5.2.7	21.3	48	23	25	100	C	
□	DCBH2019_5	20C	68.00	5.3/5.5/6.5	5.2.1	26.2	67	28	39	100	B	
	DCBH2019_5	21C	72.42	5.3/5.5/6.5	5.2.1	38.6	135	32	103	100	B	
⊕	DCBH2019_5	22C	81.00	5.3/5.5/6.5	5.2.1	36.7	99	41	58	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Compiled By	Date
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FRANCESCA BENNETT	**29/05/20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

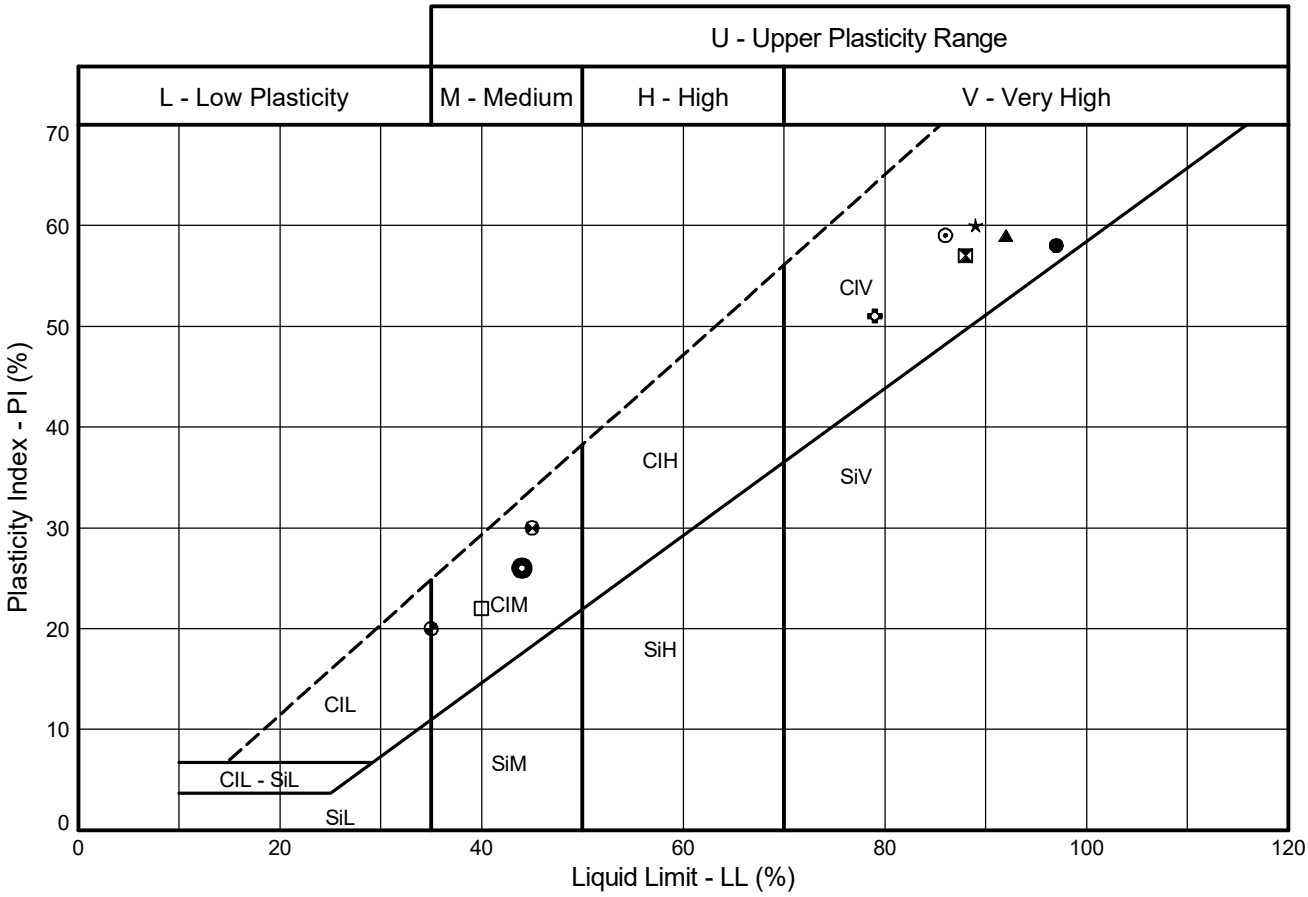
Contract Ref: **734318**

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PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC	LL	PL	PI	<425µm	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%		
●	DCBH2019_6	13D	45.50	5.3/5.5/6.5	5.2.1	43.2	97	39	58	100	B	
⊠	DCBH2019_6	18C	47.42	5.3/5.5/6.5	5.2.1	42.1	88	31	57	95	B	
▲	DCBH2019_6	19C	48.82	5.3/5.5/6.5	5.2.1	44.8	92	33	59	100	B	
★	DCBH2019_6	14D	51.70	5.3/5.5/6.5	5.2.1	43.3	89	29	60	100	B	
⊙	DCBH2019_6	24C	54.52	5.3/5.5/6.5	5.2.1	36.5	86	27	59	100	B	
✿	DCBH2019_6	25C	55.20	5.3/5.5/6.5	5.2.1	32.1	79	28	51	100	B	
●	DCBH2019_6	15D	56.60	5.3.14/5.5/6.5	5.2.7	27.4	44	18	26	91	C	
	DCBH2019_6	28C	61.45	5.3/5.5/6.5	5.2.1	22.6	NP	NP	NP	100	B	
	DCBH2019_6	29C	62.20	5.3/5.5/6.5	5.2.1	24.2	NP	NP	NP	100	B	
	DCBH2019_6	30C	62.95	5.3/5.5/6.5	5.2.1	23.1	NP	NP	NP	100	B	
□	DCBH2019_6	31C	65.95	5.3/5.5/6.5	5.2.1	28.0	40	18	22	99	B	
⊗	DCBH2019_6	32C	67.08	5.3/5.5/6.5	5.2.7	21.7	45	15	30	99	C	
⊕	DCBH2019_6	17D	67.76	5.3/5.5/6.5	5.2.1	15.8	35	15	20	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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C

Sizewell C Onshore GI Phase 2 2019

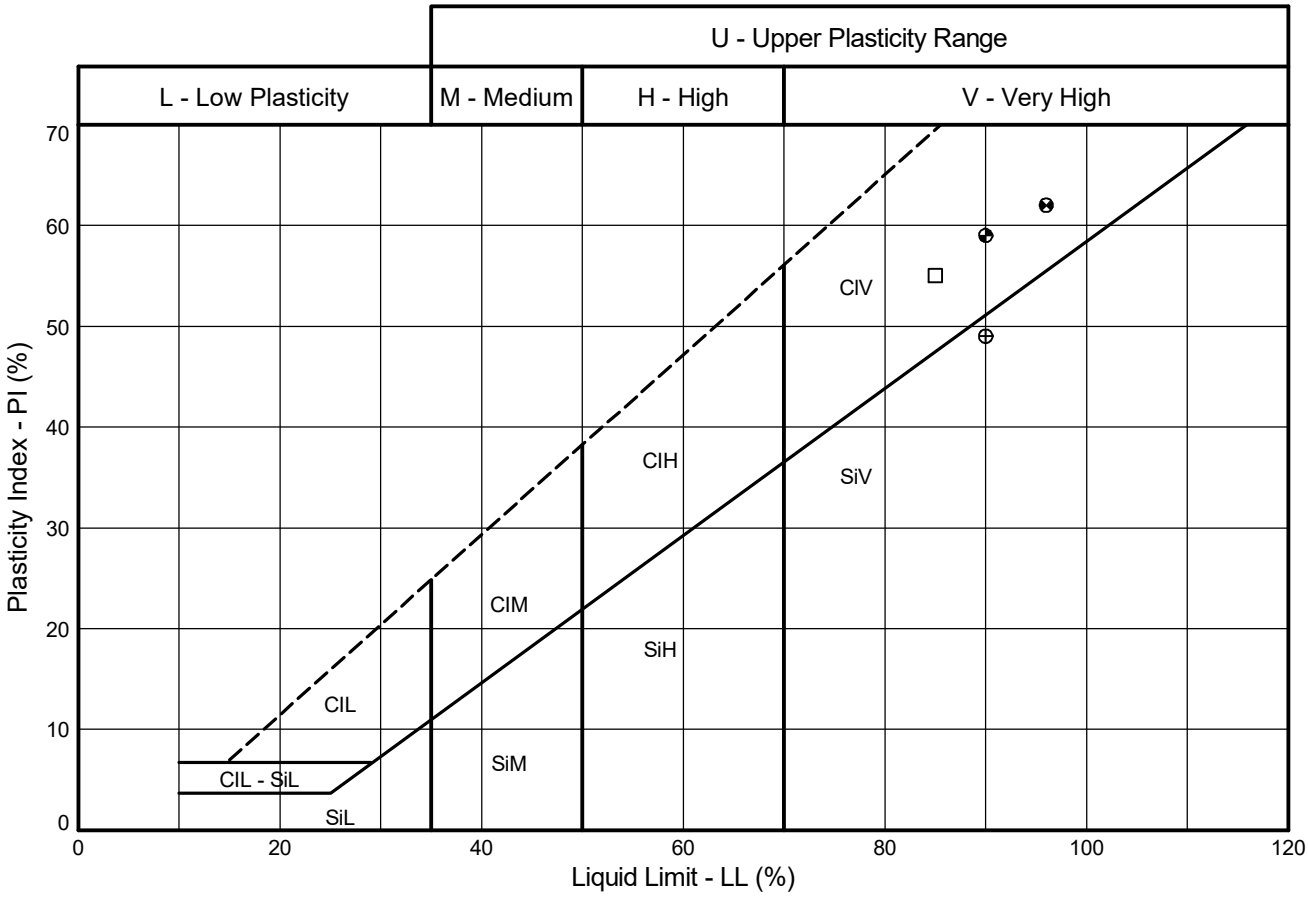
Contract Ref: **734318**

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PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC	LL	PL	PI	<425µm	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%		
	DCBH2019_6	35C	69.70	5.3/5.5/6.5	5.2.1	28.5	NP	NP	NP	100	C	
	DCBH2019_6	19D	71.05	5.3/5.5/6.5	5.2.1	42.9	122	38	84	100	B	
	DCBH2019_6	38C	71.62	5.3/5.5/6.5	5.2.1	42.5	136	35	101	100	B	
	DCBH2019_6	42C	74.20	5.3/5.5/6.5	5.2.1	45.0	161	41	120	100	B	
	DCBH2019_6	43C	76.16	5.3/5.5/6.5	5.2.1	39.5	119	36	83	100	B	
	DCBH2019_6	45C	77.78	5.3/5.5/6.5	5.2.1	40.5	127	41	86	100	B	
	DCBH2019_6	21D	80.50	5.3/5.5/6.5	5.2.1	29.1	119	40	79	100	B	
	DCBH2019_7	16C	36.75	5.3/5.5/6.5	5.2.1	14.8	NP	NP	NP	76	B	
	DCBH2019_7	12D	39.25	5.3.14/5.5/6.5	5.2.7	18.1	NP	NP	NP	71	C	
⊕	DCBH2019_7	22C	47.00	5.3/5.5/6.5	5.2.1	51.2	90	41	49	100	B	
□	DCBH2019_7	19D	48.45	5.3/5.5/6.5	5.2.1	54.4	85	30	55	96	B	
⊗	DCBH2019_7	20D	50.30	5.3/5.5/6.5	5.2.1	51.8	96	34	62	100	B	
⊕	DCBH2019_7	21D	51.30	5.3/5.5/6.5	5.2.1	45.0	90	31	59	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Contract: **Sizewell C Onshore GI Phase 2 2019**

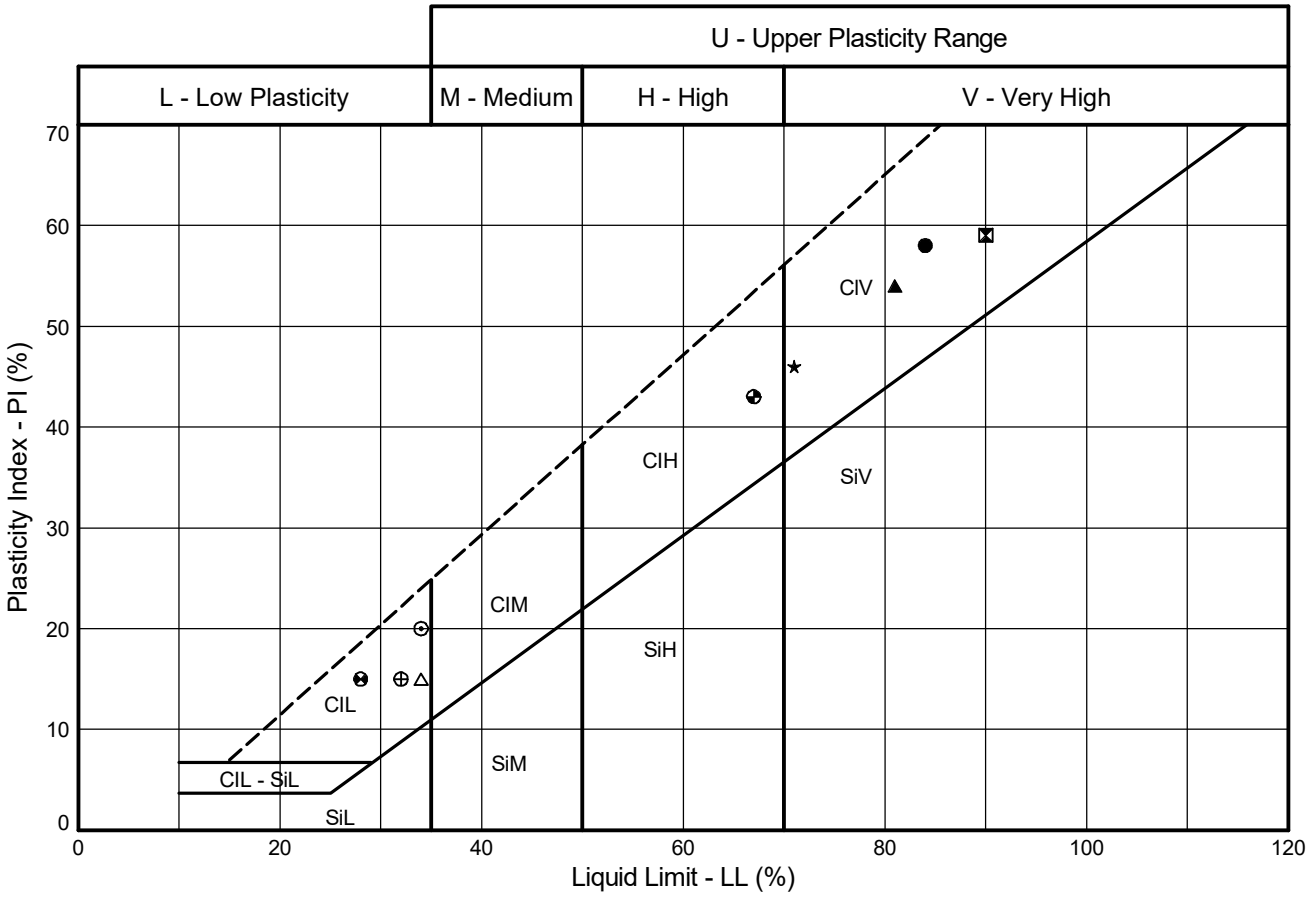
Contract Ref: **734318**

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PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC	LL	PL	PI	<425µm	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%		
●	DCBH2019_7	23D	53.40	5.3/5.5/6.5	5.2.1	40.0	84	26	58	100	B	
⊠	DCBH2019_7	24D	54.40	5.3/5.5/6.5	5.2.1	38.0	90	31	59	100	B	
▲	DCBH2019_7	25C	55.81	5.3/5.5/6.5	5.2.1	42.2	81	27	54	100	B	
★	DCBH2019_7	27C	57.06	5.3/5.5/6.5	5.2.1	27.6	71	25	46	100	B	
⊙	DCBH2019_7	28C	57.44	5.3/5.5/6.5	5.2.1	19.1	34	14	20	96	B	
	DCBH2019_7	26D	57.70	5.3.14/5.5/6.5	5.2.7	21.0	NP	NP	NP	95	C	
	DCBH2019_7	27D	58.70	5.3/5.5/6.5	5.2.1	16.8	NP	NP	NP	100	B	
△	DCBH2019_7	28D	59.70	5.3/5.5/6.5	5.2.1	26.2	34	19	15	100	B	
	DCBH2019_7	29D	60.70	5.3/5.5/6.5	5.2.1	26.0	NP	NP	NP	100	B	
⊕	DCBH2019_7	31D	62.10	5.3/5.5/6.5	5.2.1	23.2	32	17	15	100	B	
	DCBH2019_7	36C	64.20	5.3.14/5.5/6.5	5.2.1	19.2	NP	NP	NP	100	B	
⊗	DCBH2019_7	33D	66.00	5.3/5.5/6.5	5.2.1	23.2	28	13	15	89	B	
◍	DCBH2019_7	37C	66.70	5.3/5.5/6.5	5.2.1	29.4	67	24	43	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Compiled By	Date
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Contract: **Sizewell C Onshore GI Phase 2 2019**

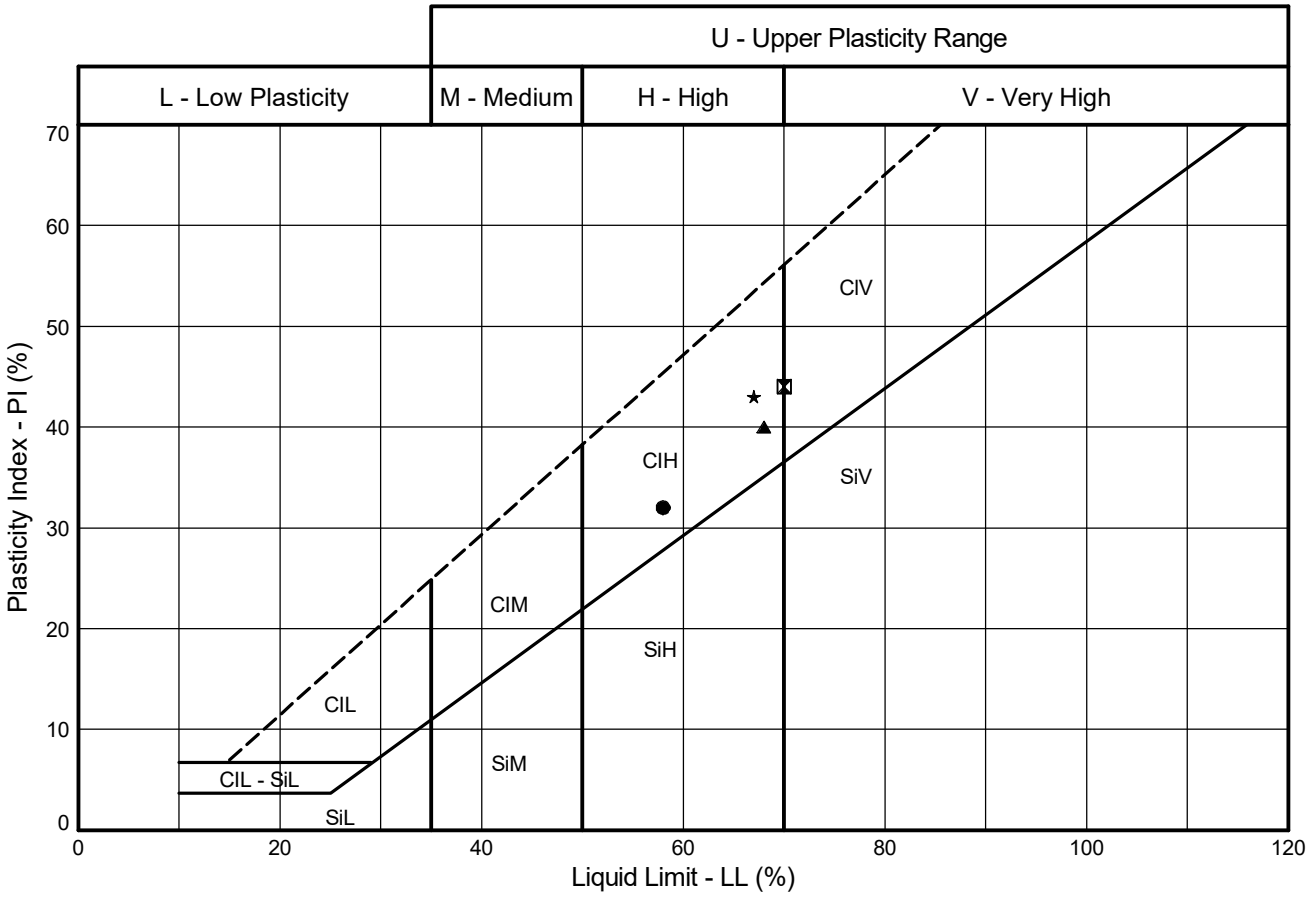
Contract Ref: **734318**

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PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC	LL	PL	PI	<425µm	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%		
●	DCBH2019_7	38C	67.56	5.3/5.5/6.5	5.2.1	28.3	58	26	32	94	B	
⊠	DCBH2019_7	34D	67.71	5.3/5.5/6.5	5.2.1	27.5	70	26	44	99	B	
▲	DCBH2019_7	39C	69.00	5.3/5.5/6.5	5.2.1	27.2	68	28	40	100	B	
★	DCBH2019_7	36D	69.30	5.3/5.5/6.5	5.2.1	30.1	67	24	43	100	B	
	DCBH2019_7	37D	70.30	5.3/5.5/6.5	5.2.1	36.3	107	34	73	100	B	
	DCBH2019_7	38D	71.30	5.3/5.5/6.5	5.2.1	42.9	170	37	133	100	B	
	DCBH2019_7	40C	71.41	5.3/5.5/6.5	5.2.1	43.3	182	35	147	100	B	
	DCBH2019_7	39D	72.30	5.3/5.5/6.5	5.2.1	45.0	135	35	100	100	B	
	DCBH2019_7	42C	72.96	5.3/5.5/6.5	5.2.1	45.4	143	42	101	100	B	
	DCBH2019_7	43C	73.94	5.3/5.5/6.5	5.2.1	40.7	127	37	90	100	B	
	DCBH2019_7	44C	74.50	5.3/5.5/6.5	5.2.1	43.3	131	38	93	100	B	
	DCBH2019_7	41D	75.00	5.3/5.5/6.5	5.2.1	40.8	135	33	102	100	B	
	DCBH2019_7	47C	76.29	5.3/5.5/6.5	5.2.1	41.2	130	35	95	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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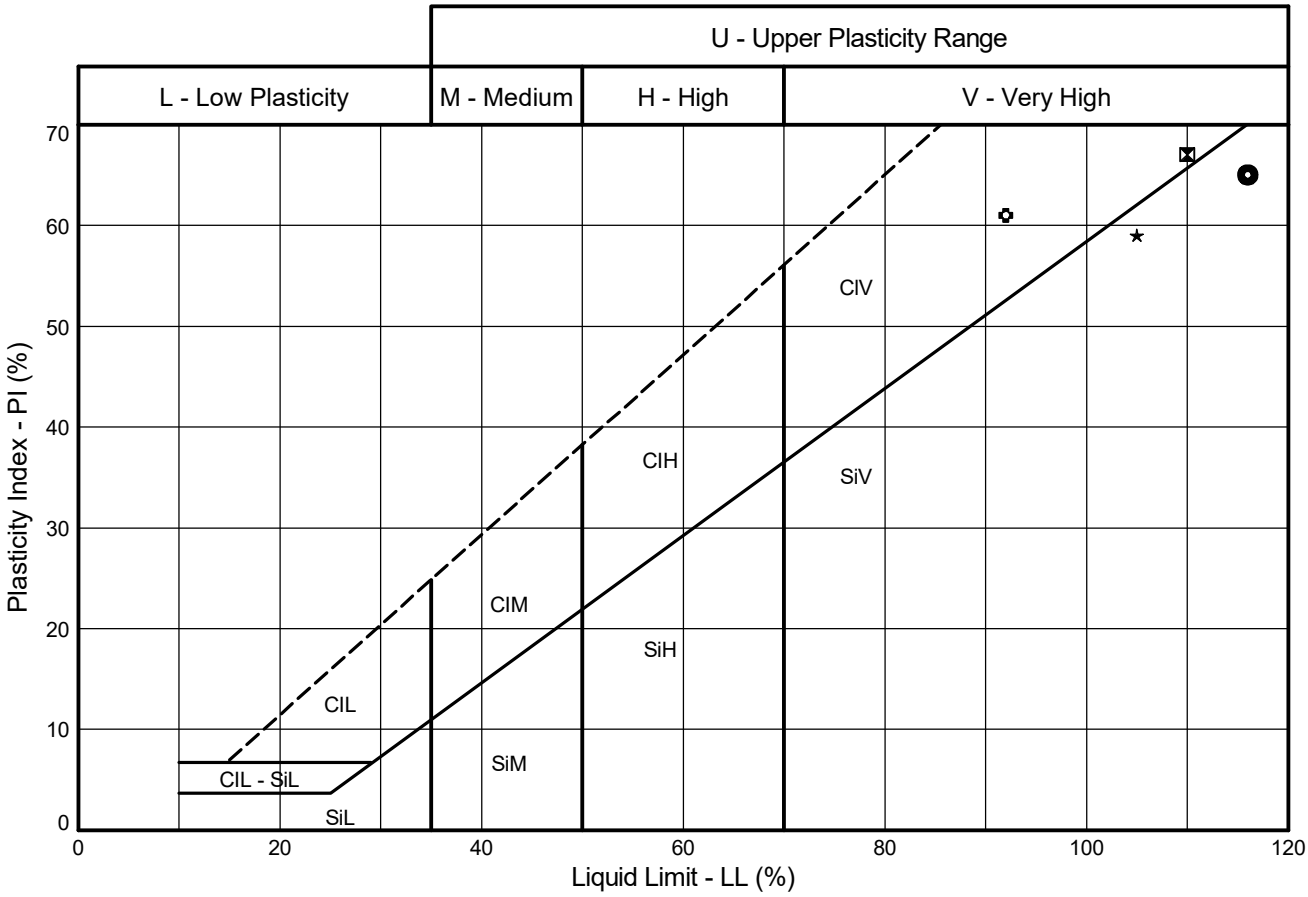
Compiled By		Date
[redacted]	**FRANCESCA BENNETT**	**29/05/20**

Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

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PI vs LL CHART

According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018



Sample Identification				Test Method #	Preparation Method +	WC %	LL %	PL %	PI %	<425µm %	Lab location	Notes
	Exploratory Position ID	Sample	Depth (m)									
	DCBH2019_7	43D	77.20	5.3/5.5/6.5	5.2.1	44.2	133	38	95	100	B	
⊠	DCBH2019_7	44D	78.20	5.3/5.5/6.5	5.2.1	46.0	110	43	67	100	B	
	DCBH2019_7	50C	78.51	5.3/5.5/6.5	5.2.1	42.3	141	54	87	100	B	
★	DCBH2019_7	52C	79.27	5.3/5.5/6.5	5.2.1	39.0	105	46	59	100	B	
	DCBH2019_7	45D	79.60	5.3/5.5/6.5	5.2.1	34.2	114	34	80	100	B	
✿	DCBH2019_7	46D	80.71	5.3/5.5/6.5	5.2.1	34.2	92	31	61	100	B	
●	DCBH2019_7	47D	81.30	5.3/5.5/6.5	5.2.1	40.0	116	51	65	100	B	

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.3 - Cone Penetrometer Method
5.3.14 - One-Point Cone Penetrometer Method
5.4 - Casagrande Method
5.5 - Plastic Limit Method
6.5 - Plasticity Index

Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014

+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018.

5.2.1 - Natural State
5.2.7 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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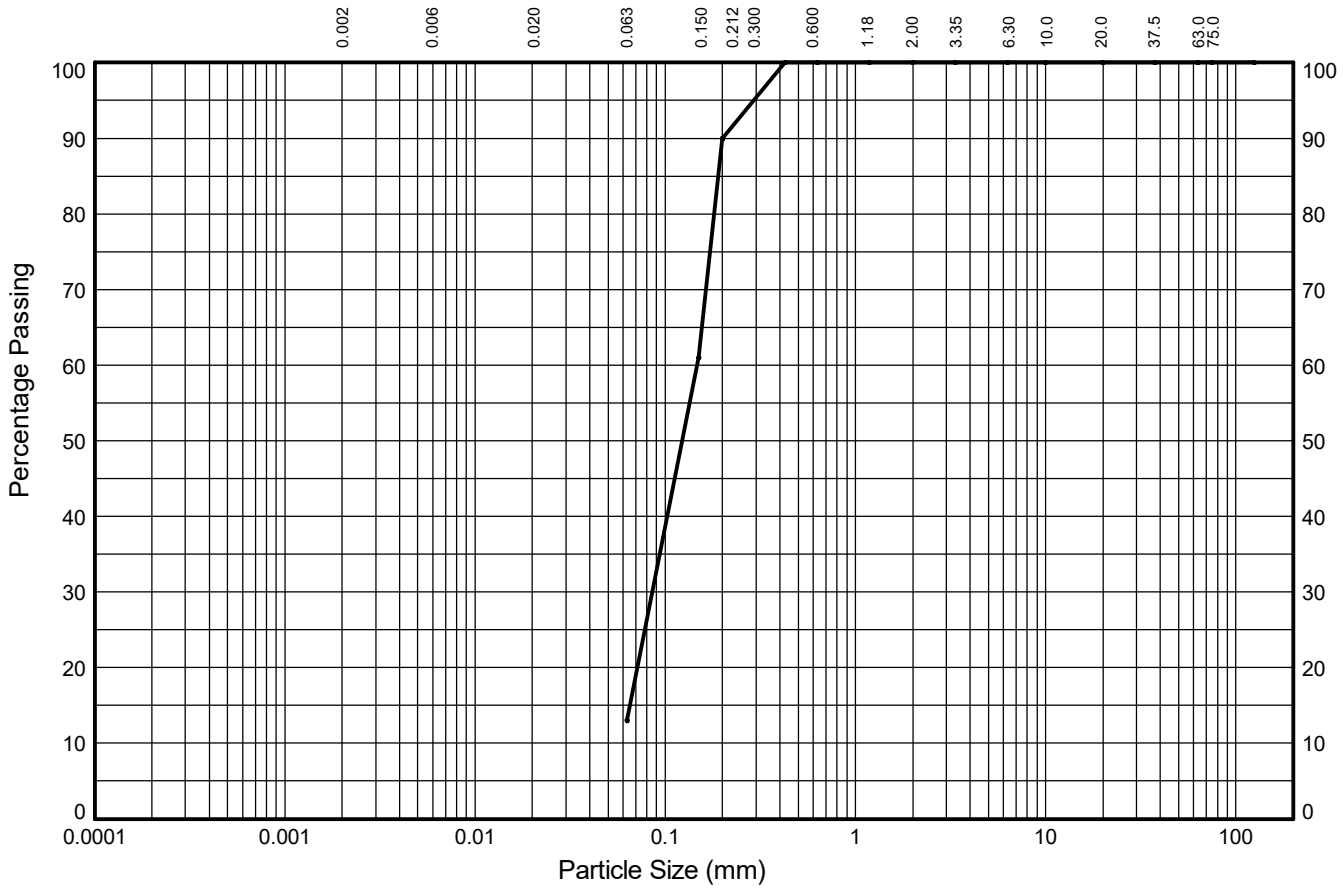
Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	734318

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - ALINE STANDARD - 17892 - A4P - W | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **CH2019_R2** Sample Ref: **33** Sample Type: **C** Depth (m): **61.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	77%	10%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
13%				87%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**90**
0.150	**61**
0.063	**13**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.065**
D_{30} (mm)	**0.086**
D_{50} (mm)	**0.123**
D_{60} (mm)	**0.147**
D_{85} (mm)	**0.190**
D_{90} (mm)	**0.200**
C_U	**NA**
C_C	**NA**

Soil Description:

Yellowish brown silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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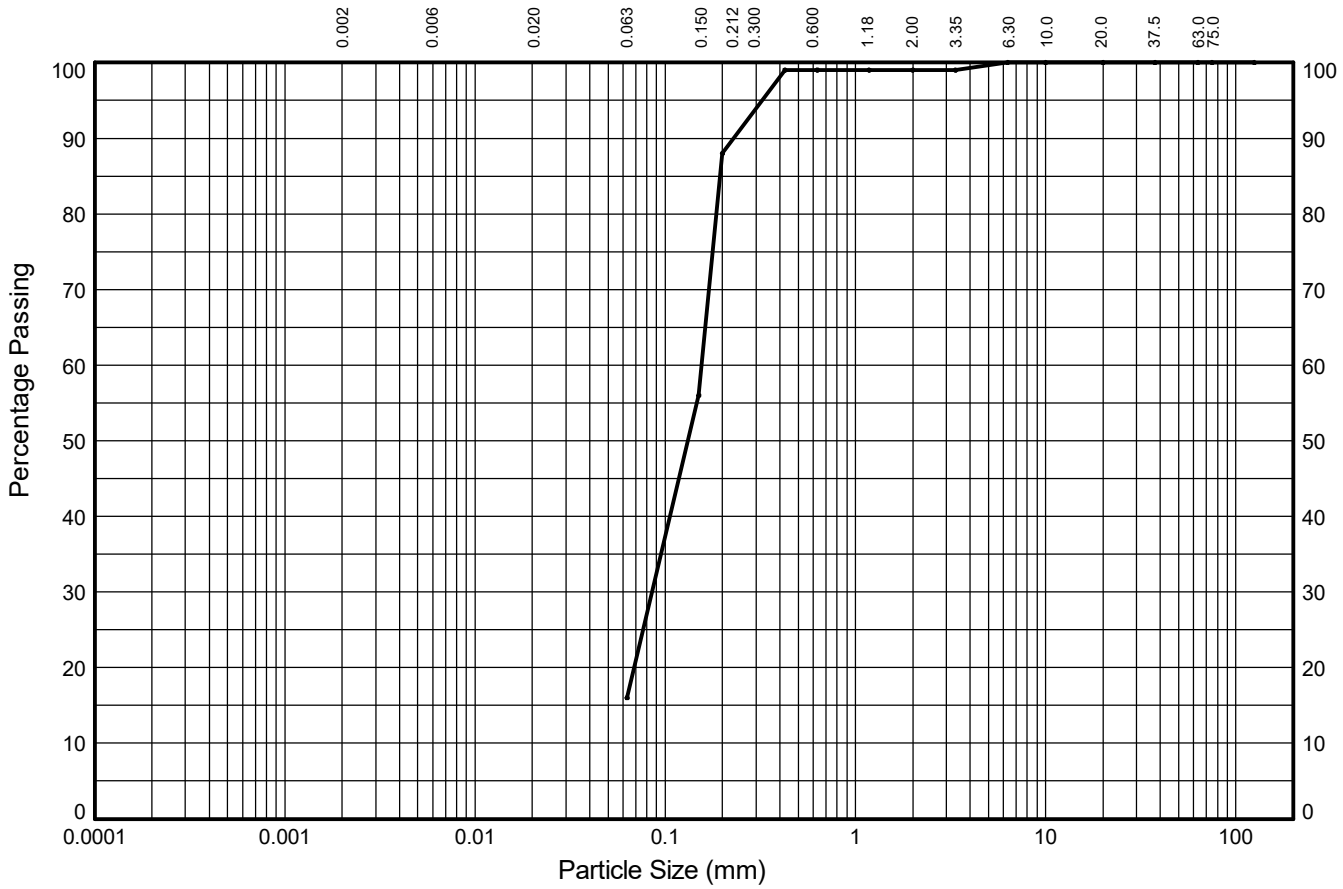
Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - PSD - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **CH2019_R2** Sample Ref: **34** Sample Type: **C** Depth (m): **62.90**



CLAY										
fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
-	-	-	72%	11%	0%	1%	0%	0%	
SILT			SAND			GRAVEL			
16%			83%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**99**
1.18	**99**
0.630	**99**
0.425	**99**
0.200	**88**
0.150	**56**
0.063	**16**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.085**
D_{50} (mm)	**0.132**
D_{60} (mm)	**0.155**
D_{85} (mm)	**0.195**
D_{90} (mm)	**0.229**
C_U	**NA**
C_C	**NA**

Soil Description:

Yellowish brown mottled grey slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Date: 23/04/20

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Contract Ref: **734318**

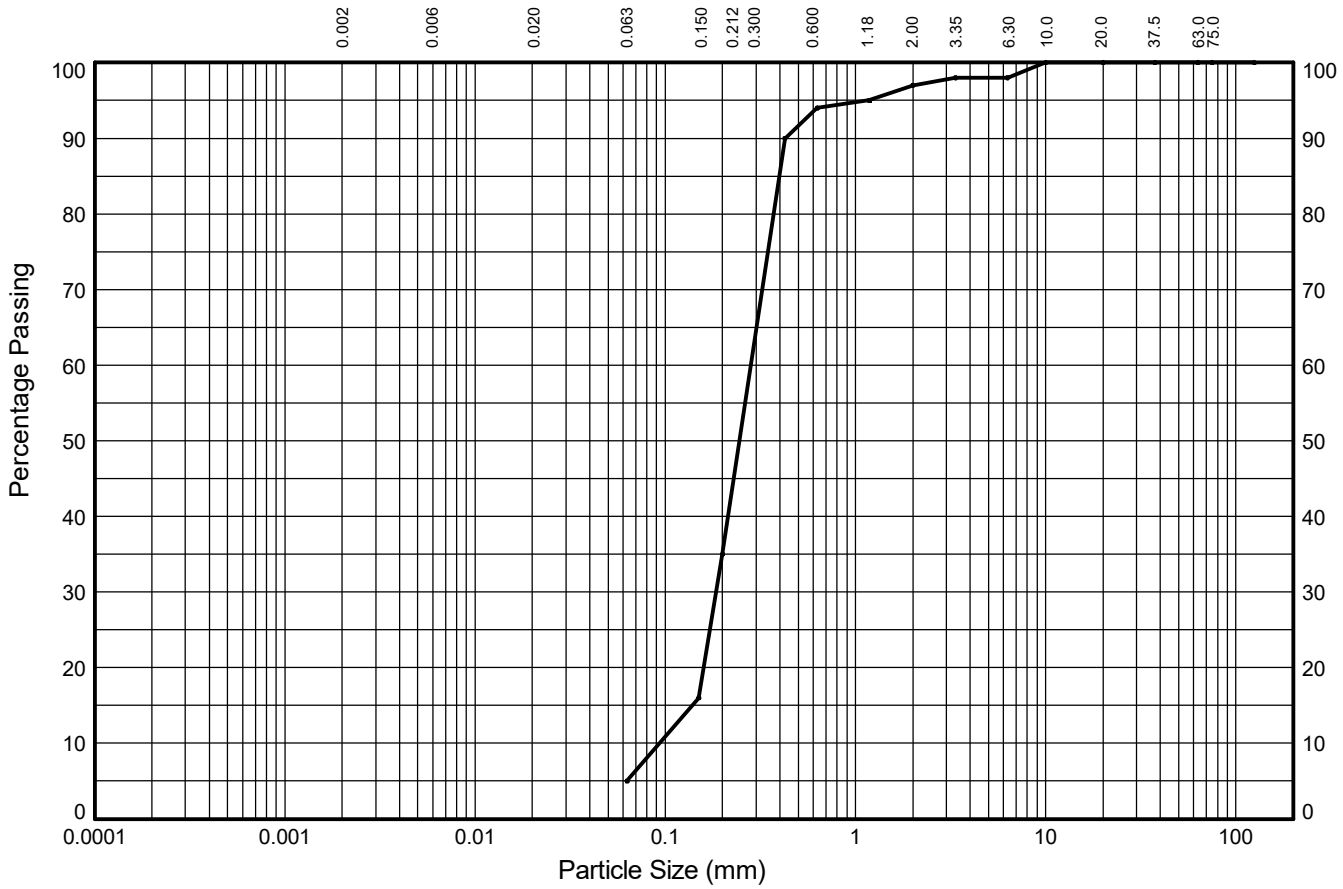
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **1** Sample Type: **C** Depth (m): **10.05**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	30%	59%	3%	1%	2%	0%	
	SILT			SAND			GRAVEL			
5%				92%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**98**
3.35	**98**
2.00	**97**
1.18	**95**
0.630	**94**
0.425	**90**
0.200	**35**
0.150	**16**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.093**
D_{15} (mm)	**0.139**
D_{30} (mm)	**0.185**
D_{50} (mm)	**0.246**
D_{60} (mm)	**0.282**
D_{85} (mm)	**0.397**
D_{90} (mm)	**0.425**
C_U	**3.0**
C_C	**1.3**

Soil Description:

Brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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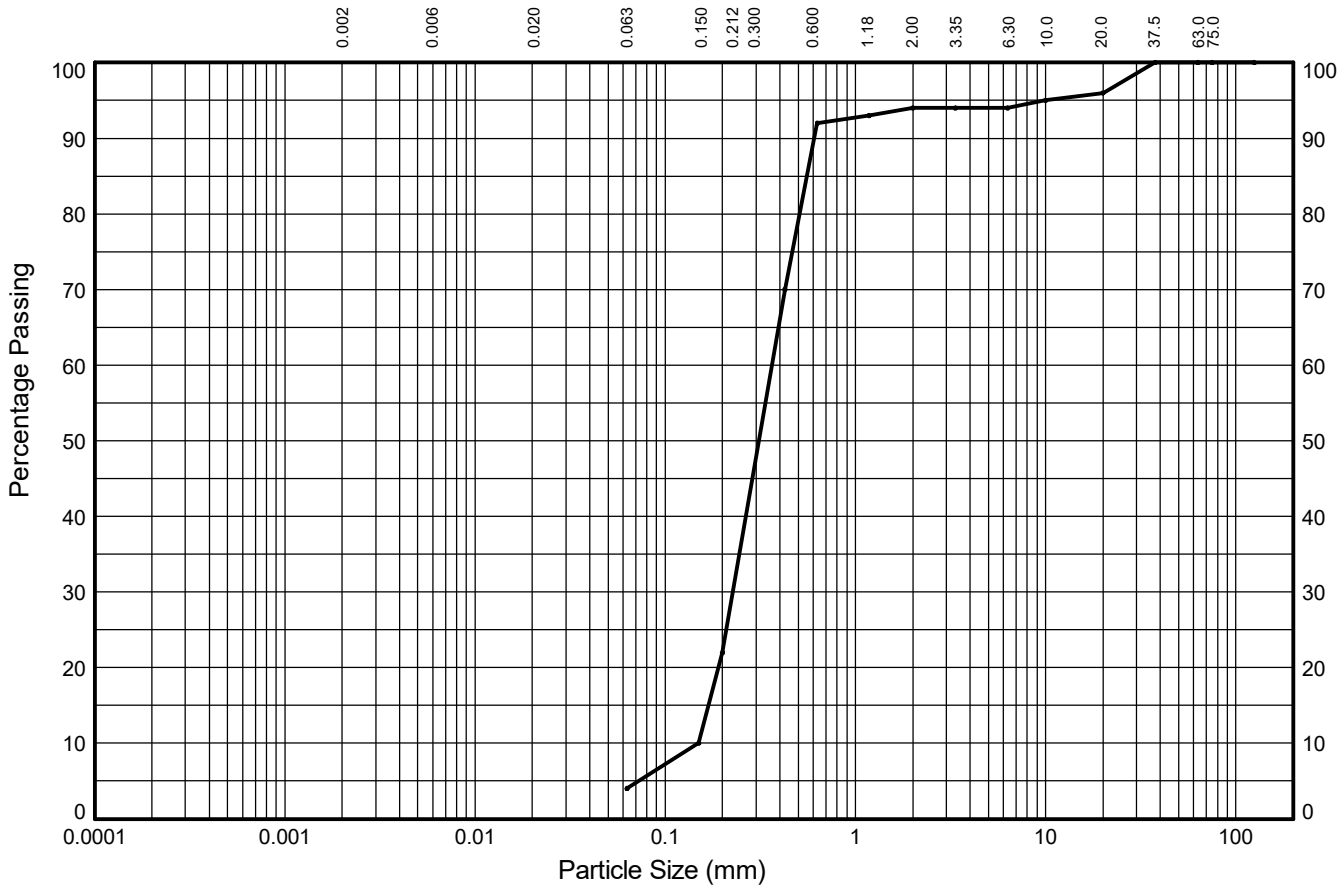
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **4** Sample Type: **C** Depth (m): **12.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	18%	70%	2%	0%	2%	4%	
	SILT			SAND			GRAVEL			
4%				90%			6%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**96**
10.0	**95**
6.30	**94**
3.35	**94**
2.00	**94**
1.18	**93**
0.630	**92**
0.425	**70**
0.200	**22**
0.150	**10**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.150**
D_{15} (mm)	**0.169**
D_{30} (mm)	**0.227**
D_{50} (mm)	**0.310**
D_{60} (mm)	**0.363**
D_{85} (mm)	**0.556**
D_{90} (mm)	**0.608**
C_U	**2.4**
C_C	**0.94**

Soil Description:

Greenish grey mottled brown gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

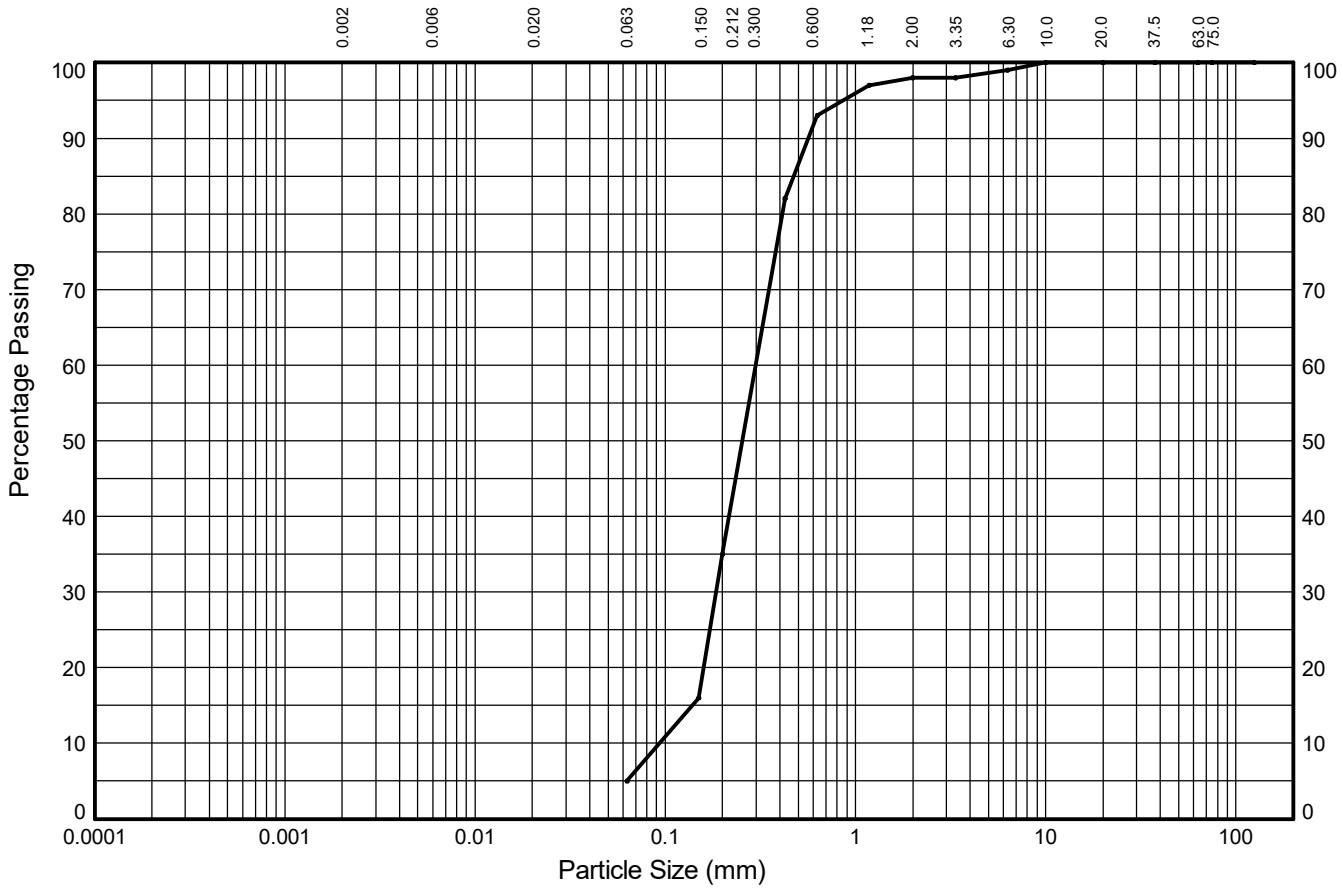
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **8** Sample Type: **C** Depth (m): **15.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	30%	58%	5%	1%	1%	0%	
	SILT			SAND			GRAVEL			
5%				93%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**98**
1.18	**97**
0.630	**93**
0.425	**82**
0.200	**35**
0.150	**16**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.093**
D_{15} (mm)	**0.139**
D_{30} (mm)	**0.185**
D_{50} (mm)	**0.254**
D_{60} (mm)	**0.299**
D_{85} (mm)	**0.473**
D_{90} (mm)	**0.566**
C_U	**3.2**
C_C	**1.2**

Soil Description:

Light brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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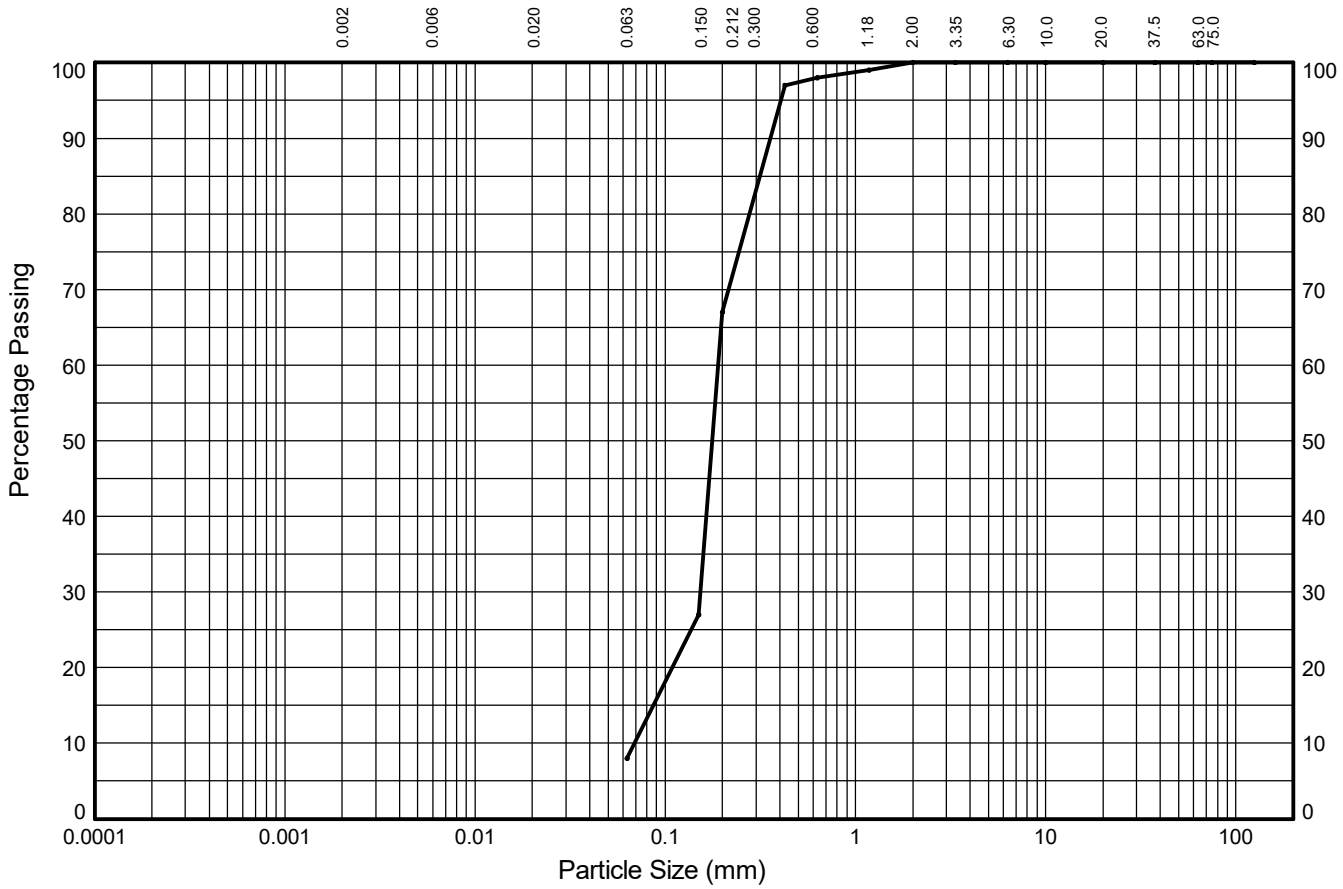
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **10** Sample Type: **C** Depth (m): **16.80**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	59%	31%	2%	0%	0%	0%	
	SILT			SAND			GRAVEL			
8%				92%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**98**
0.425	**97**
0.200	**67**
0.150	**27**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.069**
D_{15} (mm)	**0.087**
D_{30} (mm)	**0.153**
D_{50} (mm)	**0.177**
D_{60} (mm)	**0.190**
D_{85} (mm)	**0.314**
D_{90} (mm)	**0.356**
C_U	**2.8**
C_C	**1.8**

Soil Description:

Grey silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

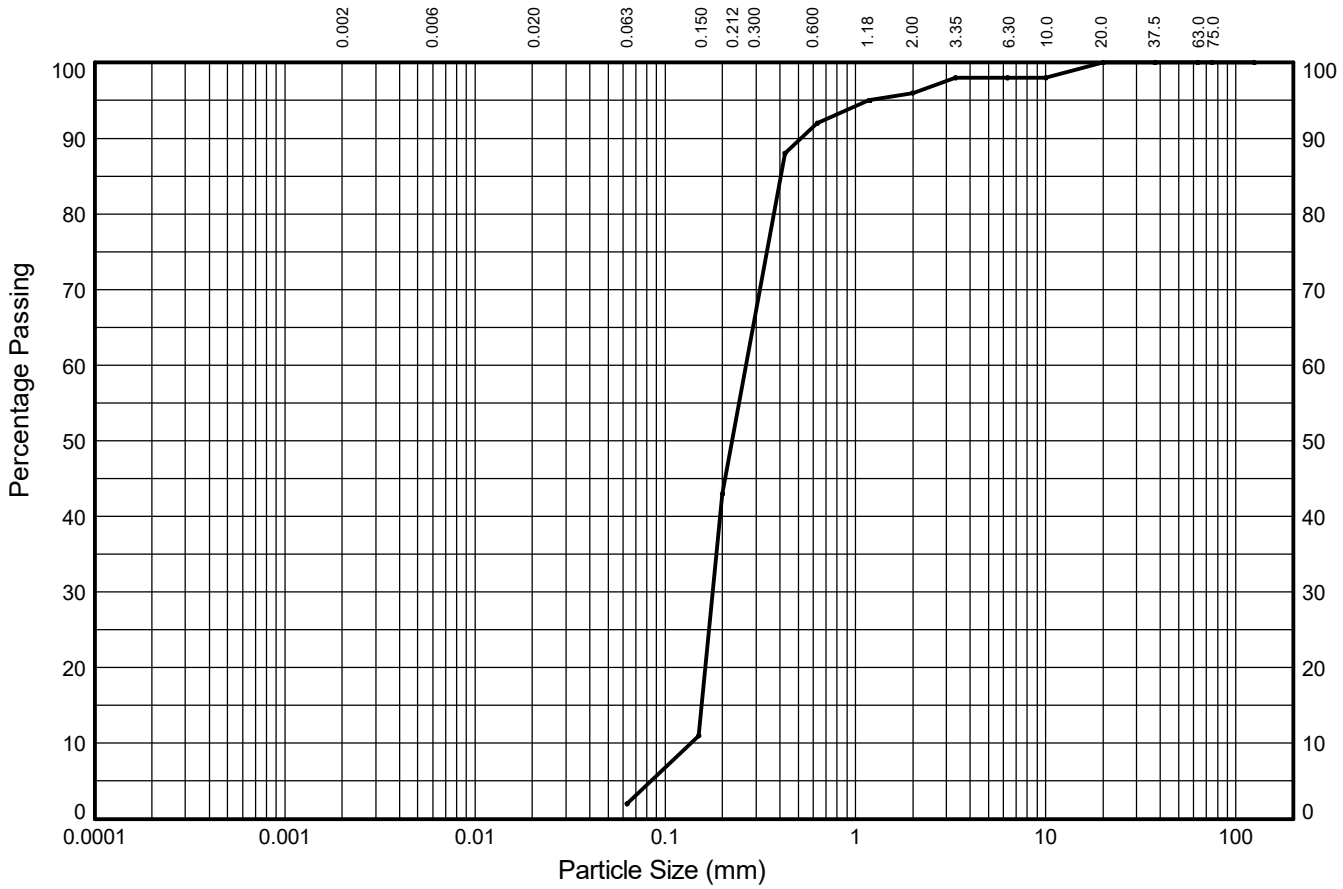
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **14** Sample Type: **C** Depth (m): **20.55**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	41%	49%	4%	2%	2%	0%	
	SILT			SAND			GRAVEL			
2%				94%			4%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**98**
6.30	**98**
3.35	**98**
2.00	**96**
1.18	**95**
0.630	**92**
0.425	**88**
0.200	**43**
0.150	**11**
0.063	**2**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.136**
D_{15} (mm)	**0.155**
D_{30} (mm)	**0.178**
D_{50} (mm)	**0.225**
D_{60} (mm)	**0.266**
D_{85} (mm)	**0.404**
D_{90} (mm)	**0.517**
C_U	**2.0**
C_C	**0.87**

Soil Description:

Brown slightly gravelly slightly silty SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Date: 23/04/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

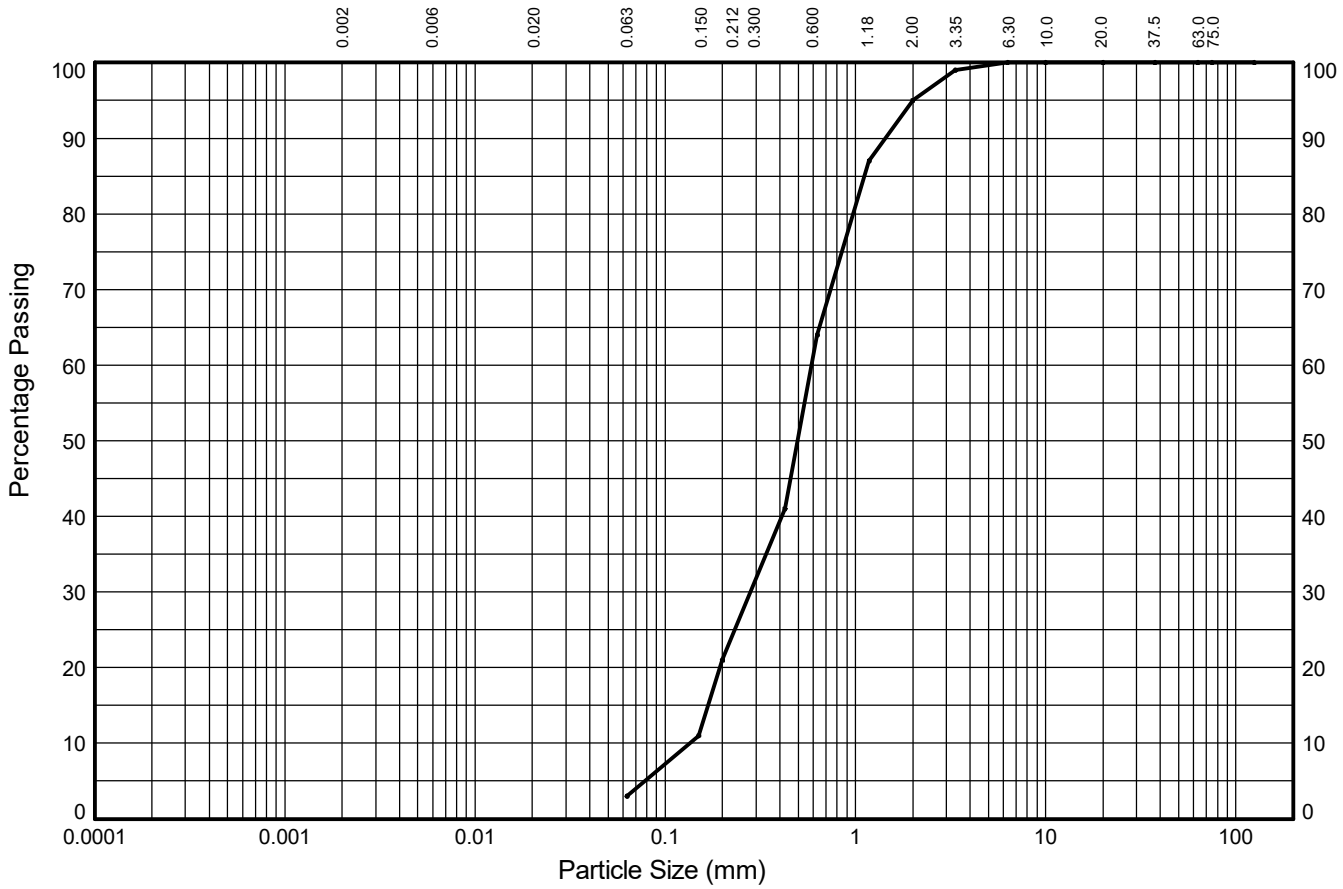
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **21** Sample Type: **C** Depth (m): **31.05**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	18%	43%	31%	5%	0%	0%	
	SILT			SAND			GRAVEL			
3%				92%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**95**
1.18	**87**
0.630	**64**
0.425	**41**
0.200	**21**
0.150	**11**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.135**
D_{15} (mm)	**0.168**
D_{30} (mm)	**0.281**
D_{50} (mm)	**0.496**
D_{60} (mm)	**0.588**
D_{85} (mm)	**1.117**
D_{90} (mm)	**1.438**
C_U	**4.4**
C_C	**1.00**

Soil Description:

Brown mottled grey slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

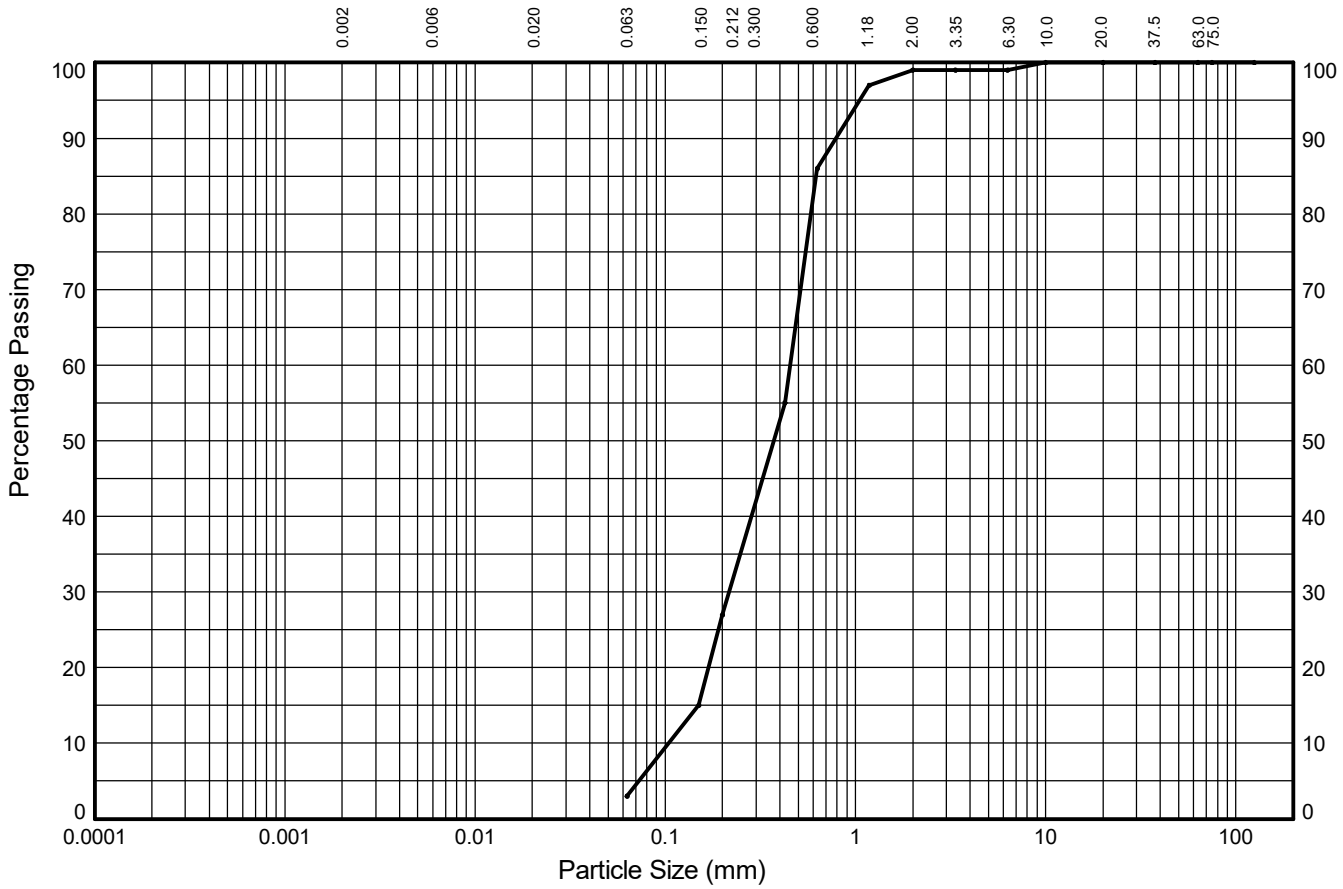
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **23** Sample Type: **C** Depth (m): **33.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	24%	59%	13%	0%	1%	0%	
	SILT			SAND			GRAVEL			
3%				96%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**99**
2.00	**99**
1.18	**97**
0.630	**86**
0.425	**55**
0.200	**27**
0.150	**15**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.104**
D_{15} (mm)	**0.150**
D_{30} (mm)	**0.217**
D_{50} (mm)	**0.371**
D_{60} (mm)	**0.453**
D_{85} (mm)	**0.622**
D_{90} (mm)	**0.791**
C_U	**4.3**
C_C	**0.99**

Soil Description:

Dark grey mottled brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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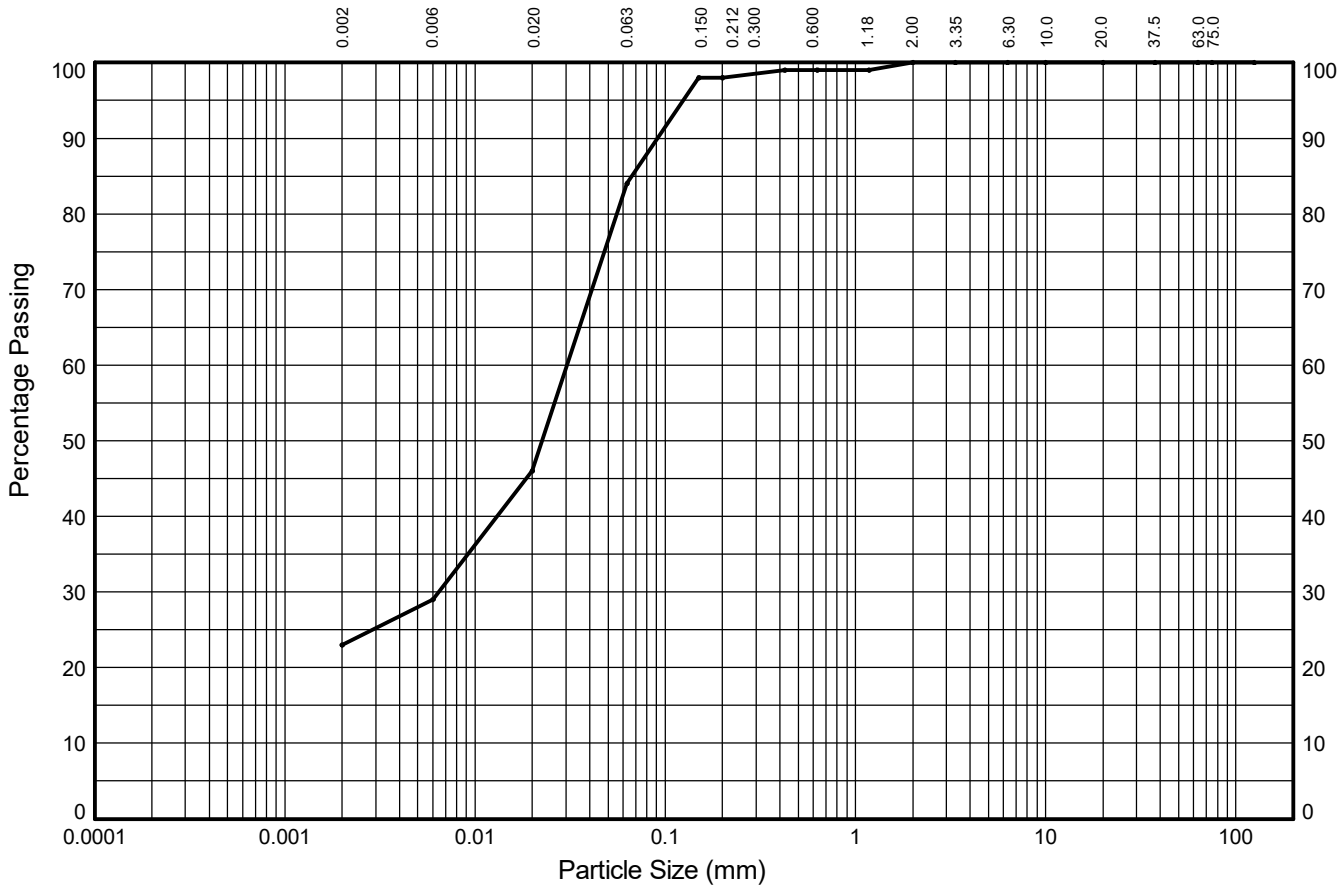
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **45** Sample Type: **C** Depth (m): **57.02**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	6%	17%	38%	14%	1%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
23%	61%			16%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**99**
0.425	**99**
0.200	**98**
0.150	**98**
0.063	**84**

Particle Diameter (mm)	Percent Passing (%)
0.02	**46**
0.006	**29**
0.002	**23**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.006**
D_{50} (mm)	**0.023**
D_{60} (mm)	**0.031**
D_{85} (mm)	**0.067**
D_{90} (mm)	**0.091**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark yellowish brown mottled grey slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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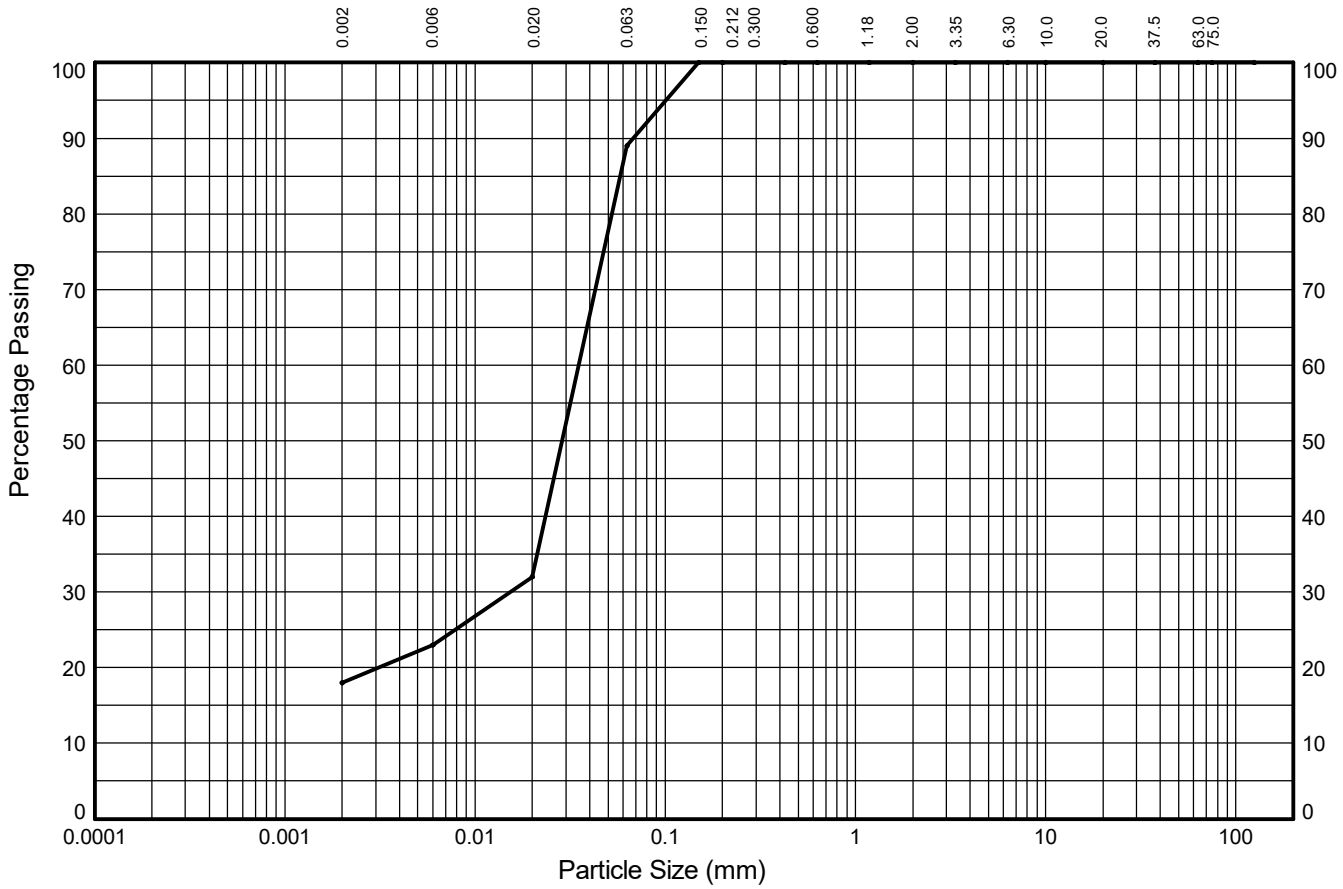
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **46** Sample Type: **C** Depth (m): **59.02**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	5%	9%	57%	11%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
18%	71%			11%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**89**

Particle Diameter (mm)	Percent Passing (%)
0.02	**32**
0.006	**23**
0.002	**18**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.015**
D_{50} (mm)	**0.029**
D_{60} (mm)	**0.035**
D_{85} (mm)	**0.058**
D_{90} (mm)	**0.068**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark yellowish brown slightly sandy SILT

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

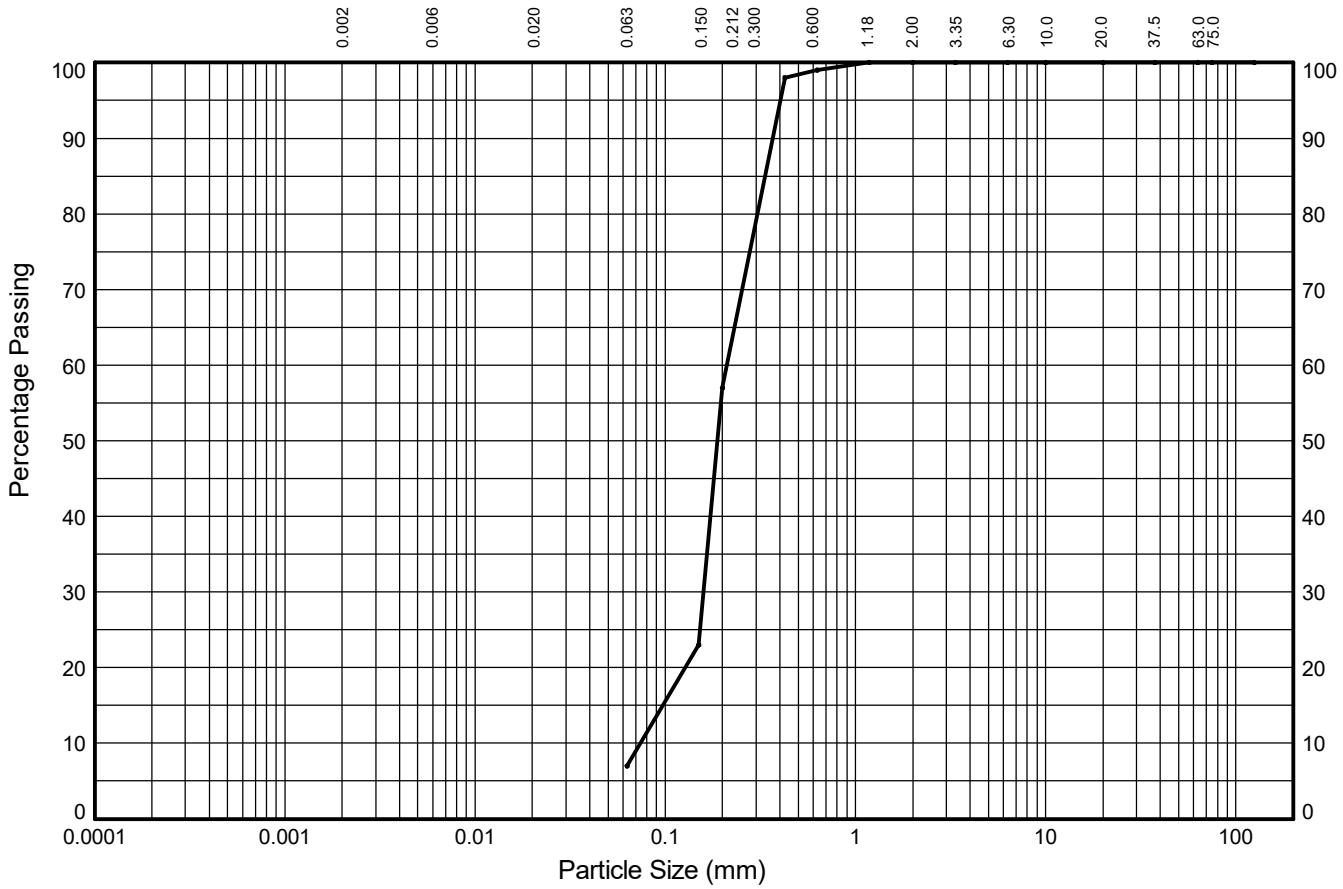
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **51** Sample Type: **C** Depth (m): **65.16**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	50%	42%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
7%				93%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**99**
0.425	**98**
0.200	**57**
0.150	**23**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.074**
D_{15} (mm)	**0.097**
D_{30} (mm)	**0.159**
D_{50} (mm)	**0.188**
D_{60} (mm)	**0.211**
D_{85} (mm)	**0.335**
D_{90} (mm)	**0.367**
C_U	**2.9**
C_C	**1.6**

Soil Description:

Greyish brown mottled grey silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract	Contract Ref:
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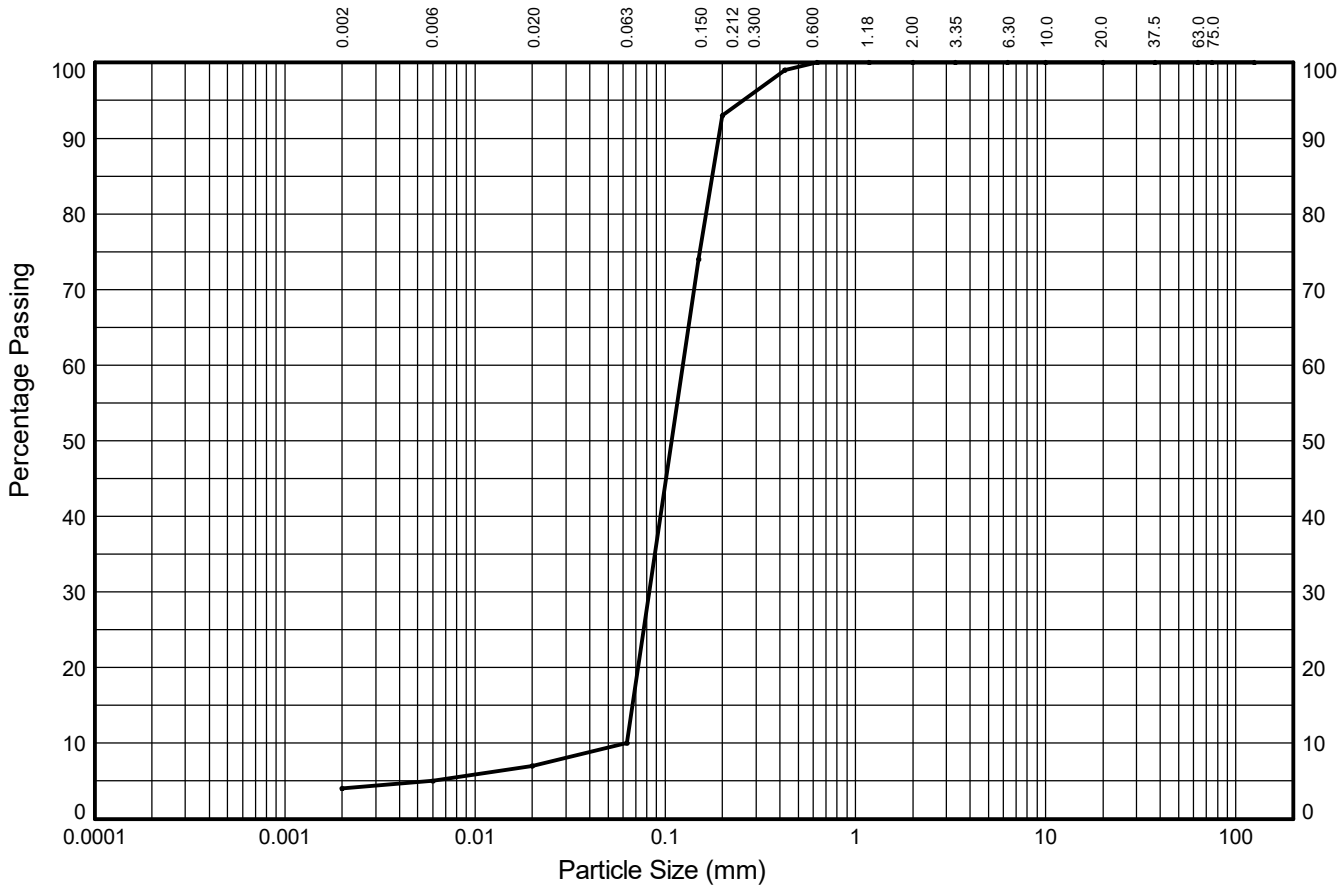
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **52** Sample Type: **C** Depth (m): **66.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	1%	2%	3%	83%	7%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
4%	6%			90%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**99**
0.200	**93**
0.150	**74**
0.063	**10**

Particle Diameter (mm)	Percent Passing (%)
0.02	**7**
0.006	**5**
0.002	**4**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.063**
D_{15} (mm)	**0.067**
D_{30} (mm)	**0.083**
D_{50} (mm)	**0.108**
D_{60} (mm)	**0.124**
D_{85} (mm)	**0.177**
D_{90} (mm)	**0.191**
C_U	**2.0**
C_C	**0.87**

Soil Description:

Grey mottled brown clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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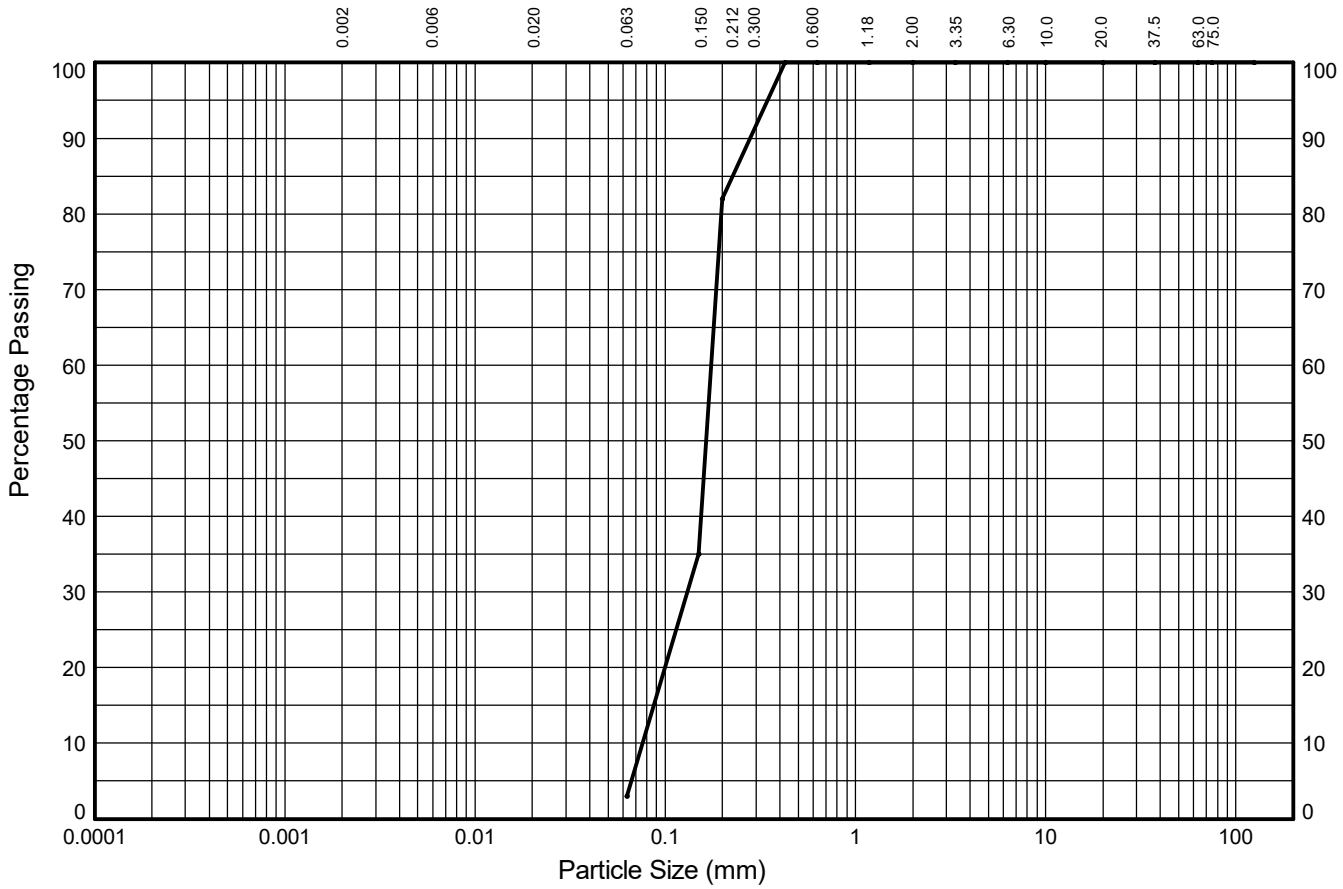
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **53** Sample Type: **C** Depth (m): **68.55**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	79%	18%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
3%				97%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**82**
0.150	**35**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.076**
D_{15} (mm)	**0.087**
D_{30} (mm)	**0.131**
D_{50} (mm)	**0.164**
D_{60} (mm)	**0.175**
D_{85} (mm)	**0.227**
D_{90} (mm)	**0.280**
C_U	**2.3**
C_C	**1.3**

Soil Description:

Brown mottled grey slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

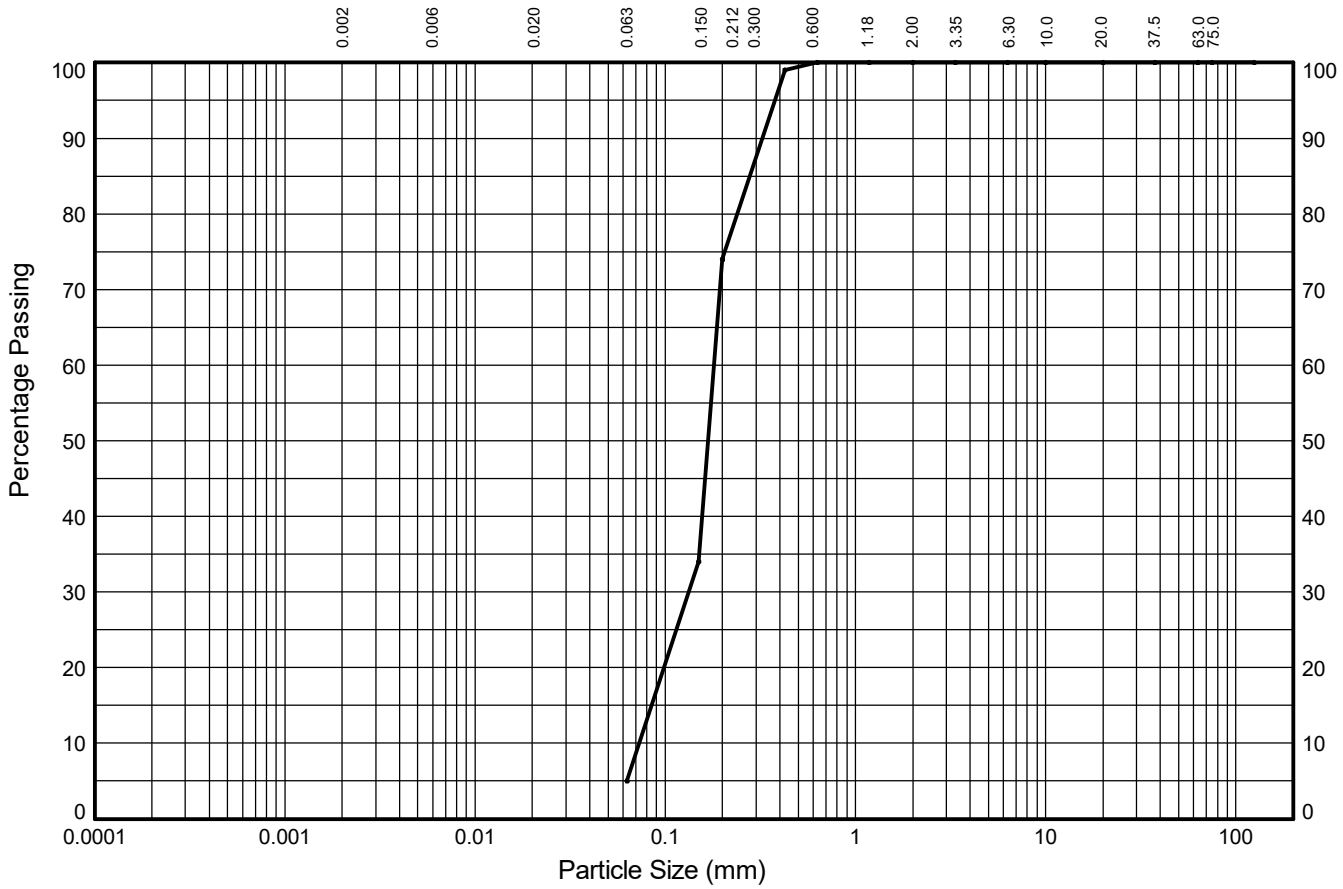
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_2** Sample Ref: **55** Sample Type: **C** Depth (m): **71.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	69%	26%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
5%				95%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**99**
0.200	**74**
0.150	**34**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.073**
D_{15} (mm)	**0.085**
D_{30} (mm)	**0.133**
D_{50} (mm)	**0.168**
D_{60} (mm)	**0.181**
D_{85} (mm)	**0.279**
D_{90} (mm)	**0.324**
C_U	**2.5**
C_C	**1.3**

Soil Description:

Greyish brown slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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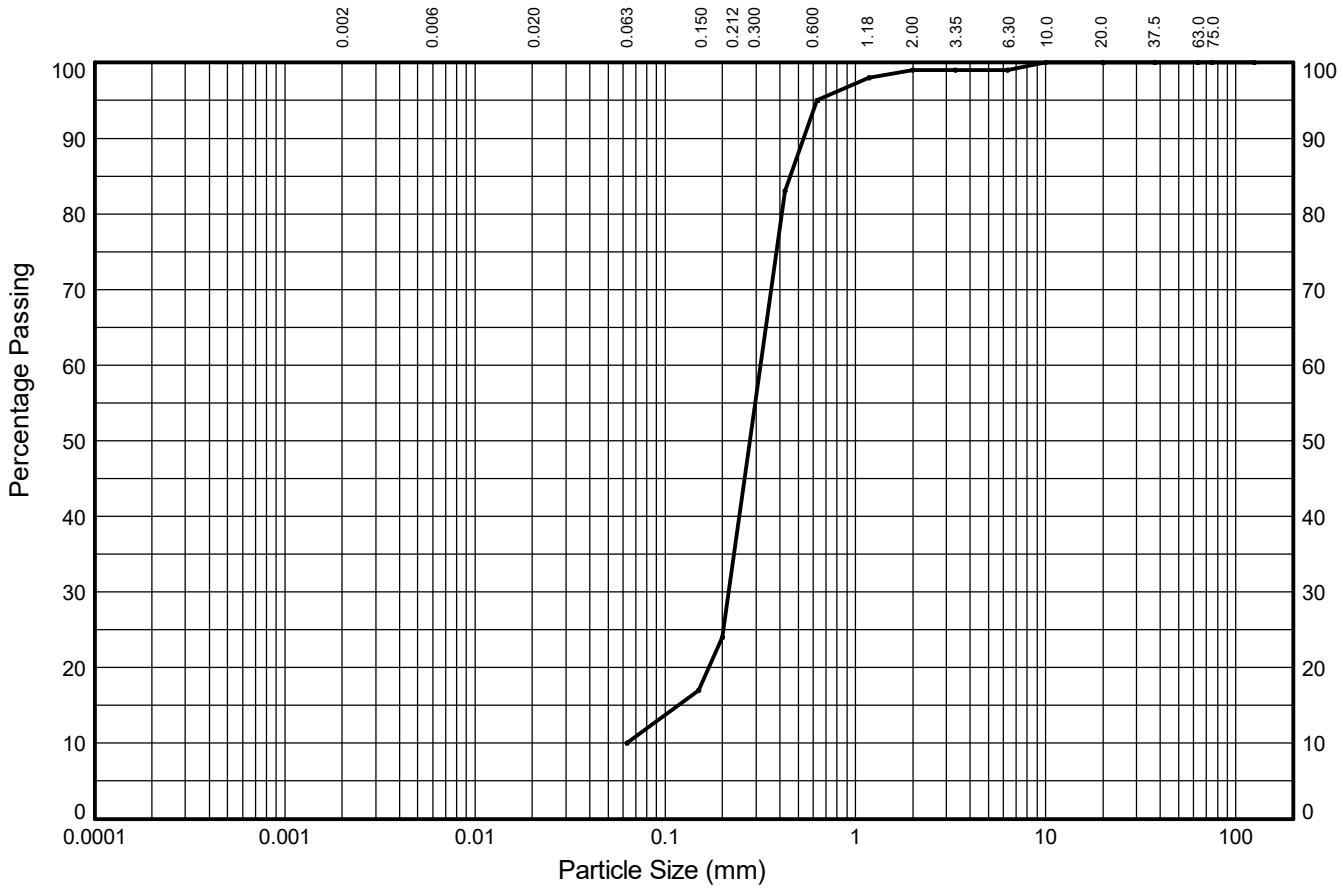
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **1** Sample Type: **C** Depth (m): **9.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	14%	71%	4%	0%	1%	0%	
	SILT			SAND			GRAVEL			
10%				89%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**99**
2.00	**99**
1.18	**98**
0.630	**95**
0.425	**83**
0.200	**24**
0.150	**17**
0.063	**10**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.063**
D_{15} (mm)	**0.117**
D_{30} (mm)	**0.216**
D_{50} (mm)	**0.279**
D_{60} (mm)	**0.317**
D_{85} (mm)	**0.454**
D_{90} (mm)	**0.535**
C_U	**5.0**
C_C	**2.3**

Soil Description:

Orangish brown mottled grey slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

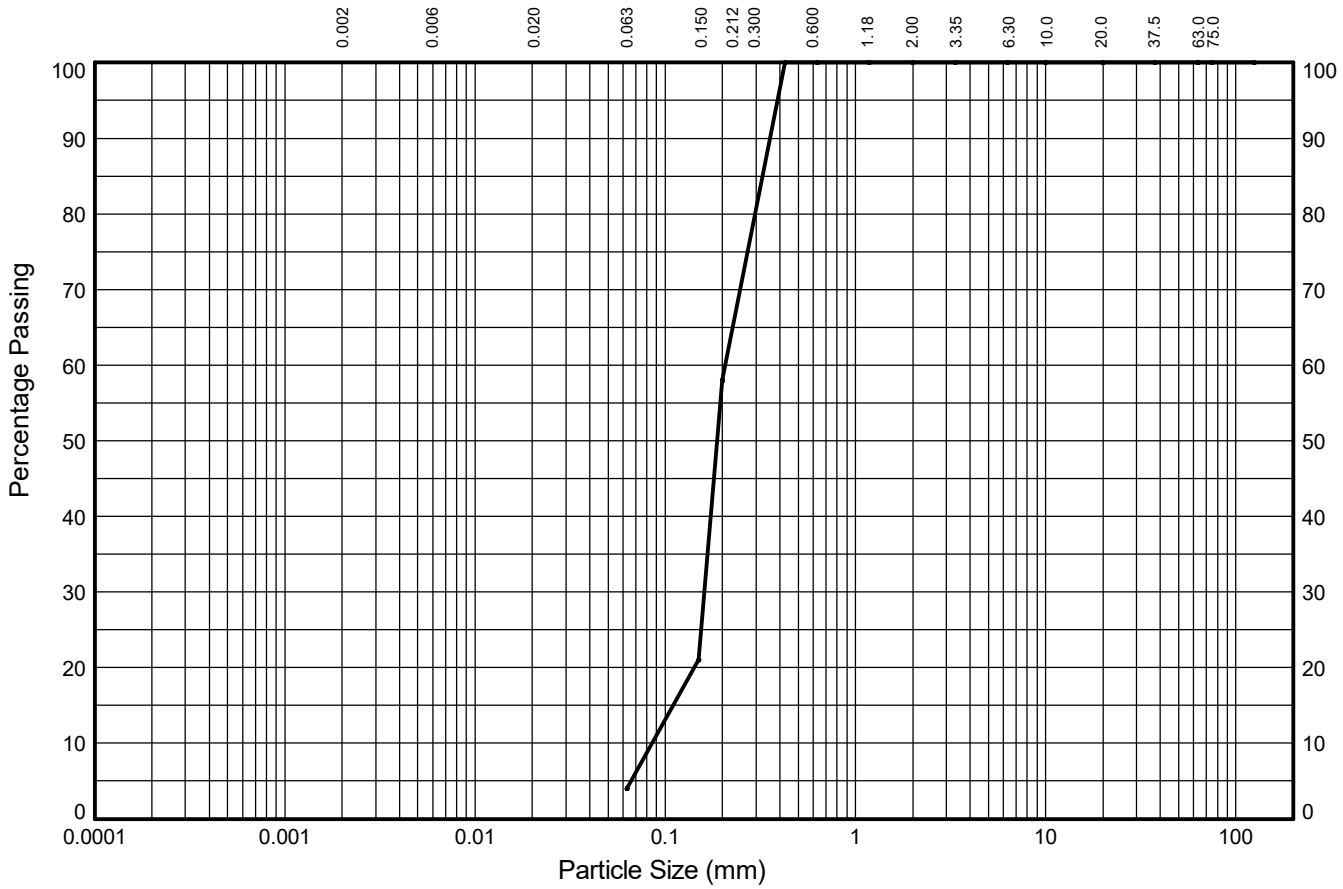
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **4** Sample Type: **C** Depth (m): **13.25**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	54%	42%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
4%				96%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**58**
0.150	**21**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.086**
D_{15} (mm)	**0.110**
D_{30} (mm)	**0.161**
D_{50} (mm)	**0.188**
D_{60} (mm)	**0.207**
D_{85} (mm)	**0.325**
D_{90} (mm)	**0.355**
C_U	**2.4**
C_C	**1.5**

Soil Description:

Yellowish brown mottled grey slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

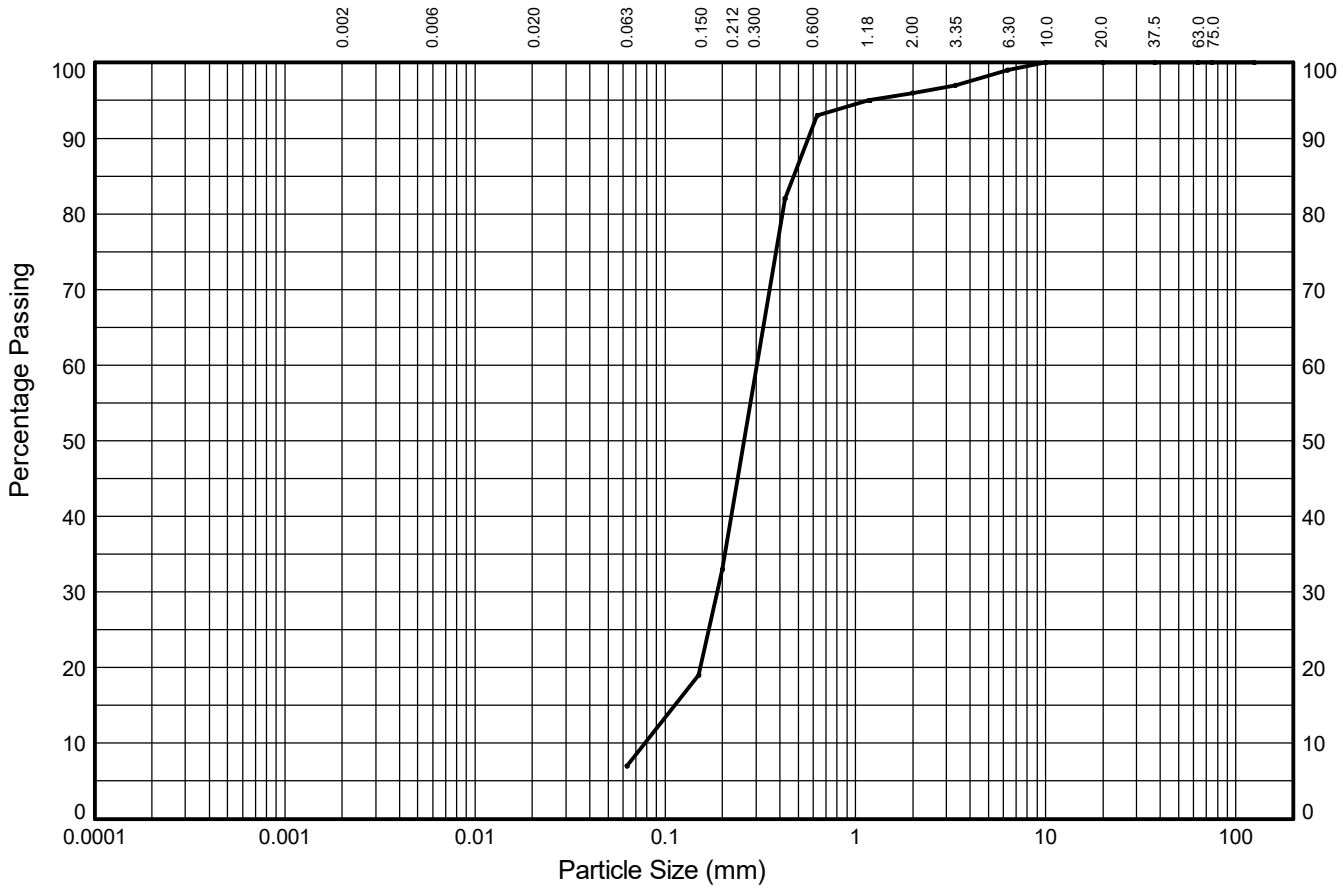
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **7** Sample Type: **C** Depth (m): **16.25**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	26%	60%	3%	3%	1%	0%	
	SILT			SAND			GRAVEL			
7%				89%			4%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**97**
2.00	**96**
1.18	**95**
0.630	**93**
0.425	**82**
0.200	**33**
0.150	**19**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.078**
D_{15} (mm)	**0.112**
D_{30} (mm)	**0.188**
D_{50} (mm)	**0.260**
D_{60} (mm)	**0.303**
D_{85} (mm)	**0.473**
D_{90} (mm)	**0.566**
C_U	**3.9**
C_C	**1.5**

Soil Description:

Grey mottled brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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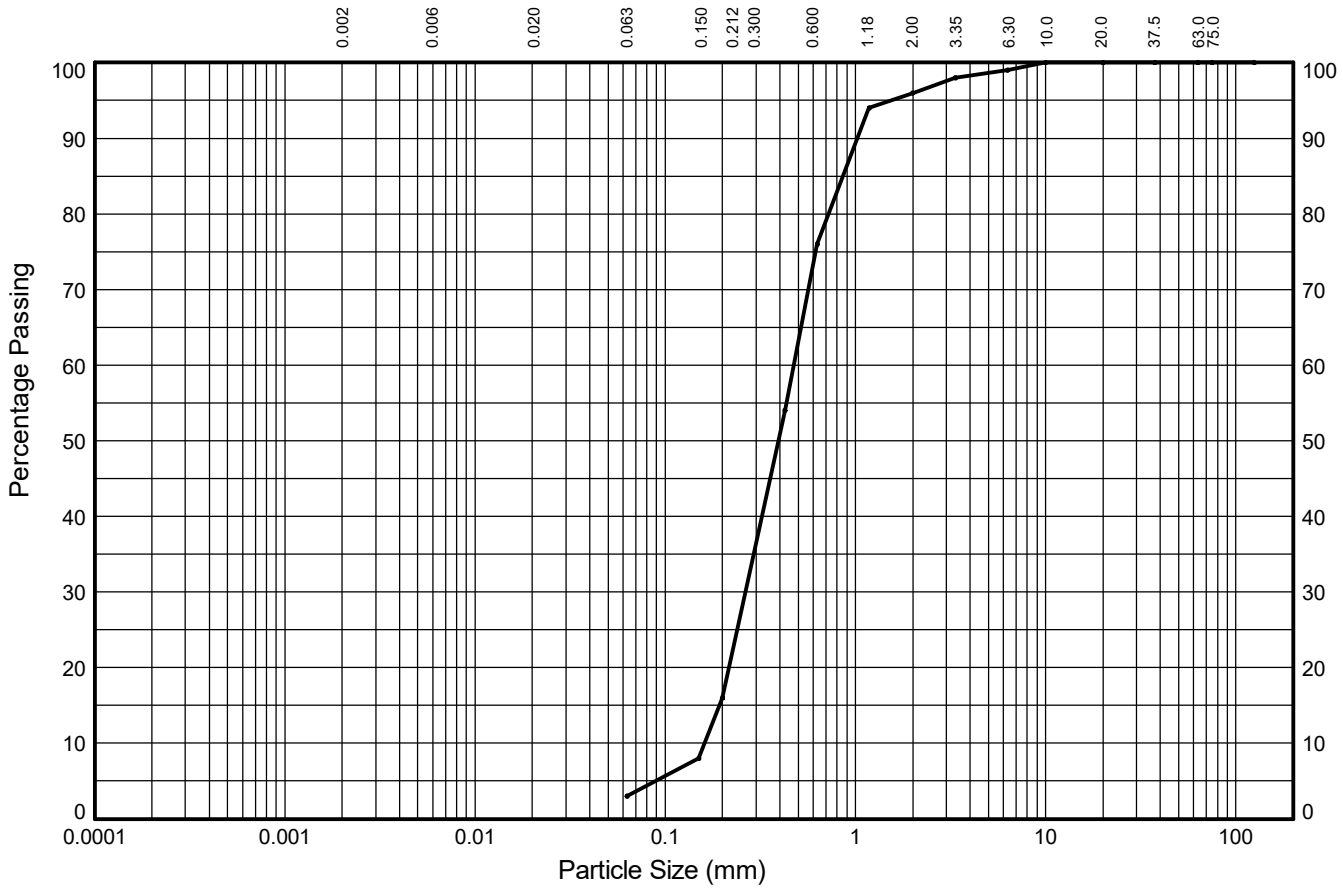
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **10** Sample Type: **C** Depth (m): **20.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	13%	60%	20%	3%	1%	0%	
	SILT			SAND			GRAVEL			
3%				93%			4%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**96**
1.18	**94**
0.630	**76**
0.425	**54**
0.200	**16**
0.150	**8**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.161**
D_{15} (mm)	**0.193**
D_{30} (mm)	**0.264**
D_{50} (mm)	**0.393**
D_{60} (mm)	**0.473**
D_{85} (mm)	**0.862**
D_{90} (mm)	**1.026**
C_U	**2.9**
C_C	**0.91**

Soil Description:

Brown mottled grey slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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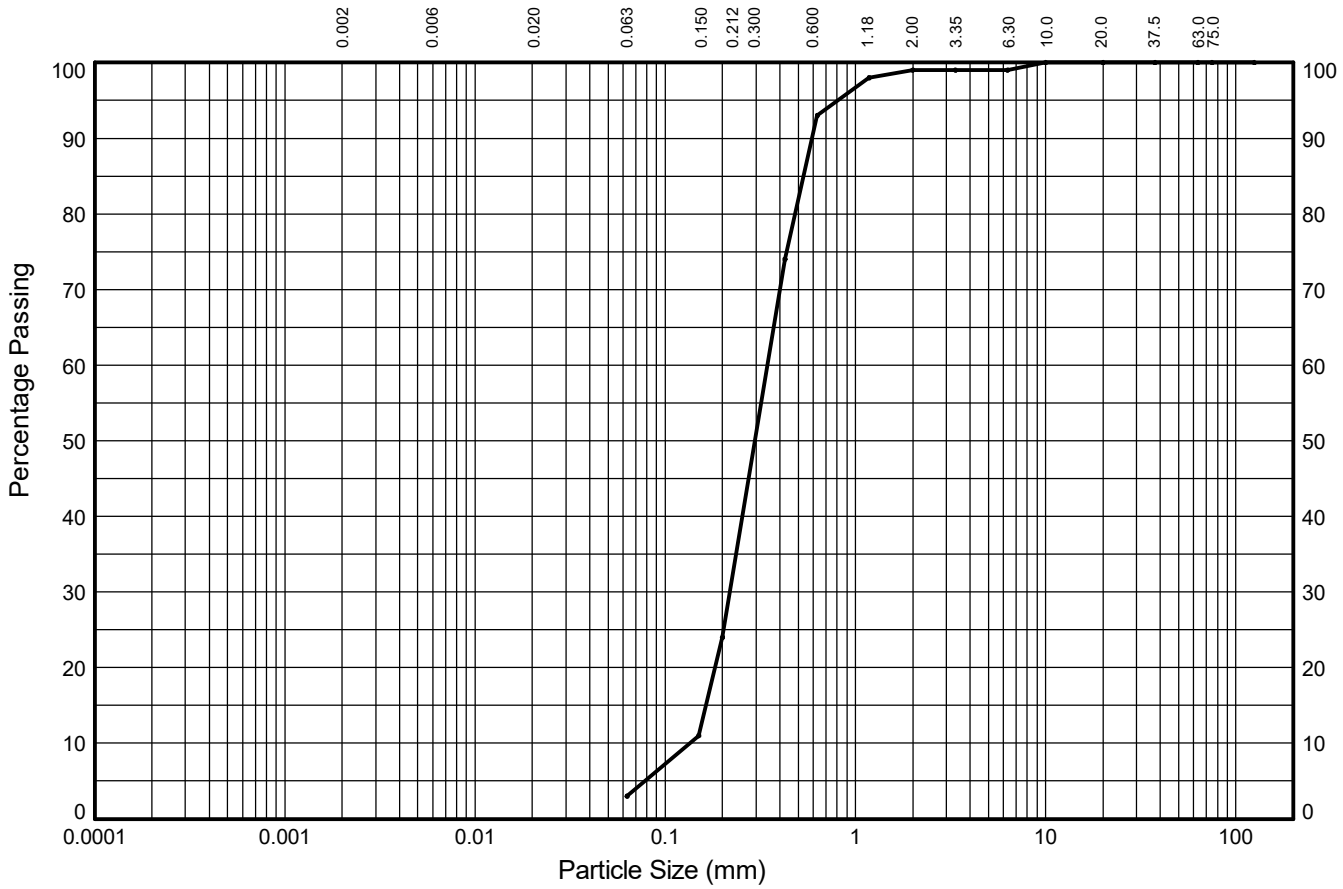
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **13** Sample Type: **C** Depth (m): **23.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	21%	69%	6%	0%	1%	0%	
	SILT			SAND			GRAVEL			
3%				96%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**99**
2.00	**99**
1.18	**98**
0.630	**93**
0.425	**74**
0.200	**24**
0.150	**11**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.135**
D_{15} (mm)	**0.164**
D_{30} (mm)	**0.219**
D_{50} (mm)	**0.296**
D_{60} (mm)	**0.344**
D_{85} (mm)	**0.534**
D_{90} (mm)	**0.592**
C_U	**2.6**
C_C	**1.0**

Soil Description:

Greenish grey slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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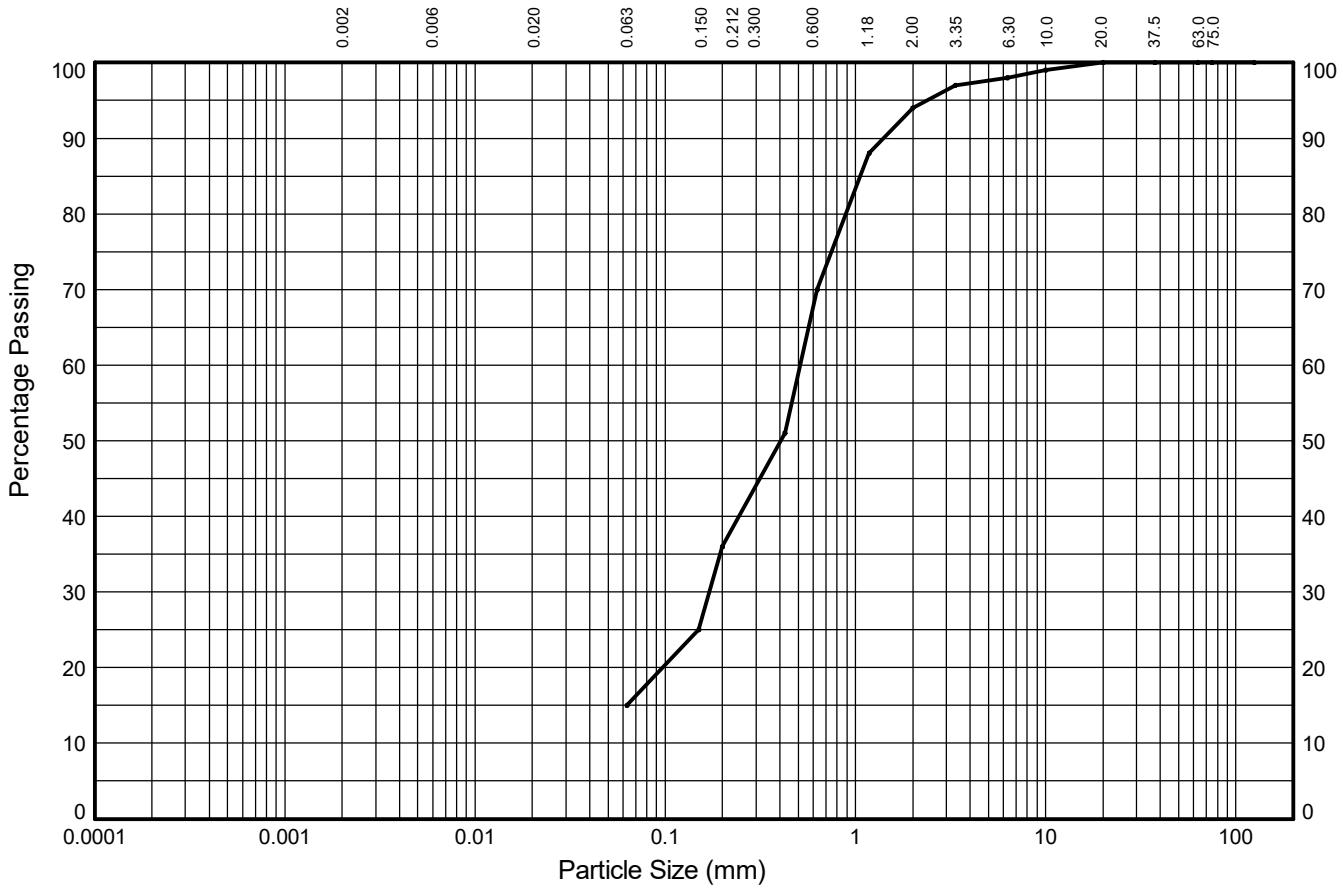
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **16** Sample Type: **C** Depth (m): **29.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	21%	34%	24%	4%	2%	0%	
	SILT			SAND			GRAVEL			
15%				79%			6%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**97**
2.00	**94**
1.18	**88**
0.630	**70**
0.425	**51**
0.200	**36**
0.150	**25**
0.063	**15**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.063**
D_{30} (mm)	**0.171**
D_{50} (mm)	**0.404**
D_{60} (mm)	**0.512**
D_{85} (mm)	**1.063**
D_{90} (mm)	**1.407**
C_U	**NA**
C_C	**NA**

Soil Description:

Brown mottled grey gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **19** Sample Type: **C** Depth (m): **31.25**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	33%	31%	9%	3%	2%	0%	
	SILT			SAND			GRAVEL			
22%				73%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**97**
2.00	**95**
1.18	**93**
0.630	**86**
0.425	**71**
0.200	**55**
0.150	**38**
0.063	**22**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.097**
D_{50} (mm)	**0.184**
D_{60} (mm)	**0.253**
D_{85} (mm)	**0.614**
D_{90} (mm)	**0.902**
C_U	**NA**
C_C	**NA**

Soil Description:

Grey mottled brown slightly gravelly very silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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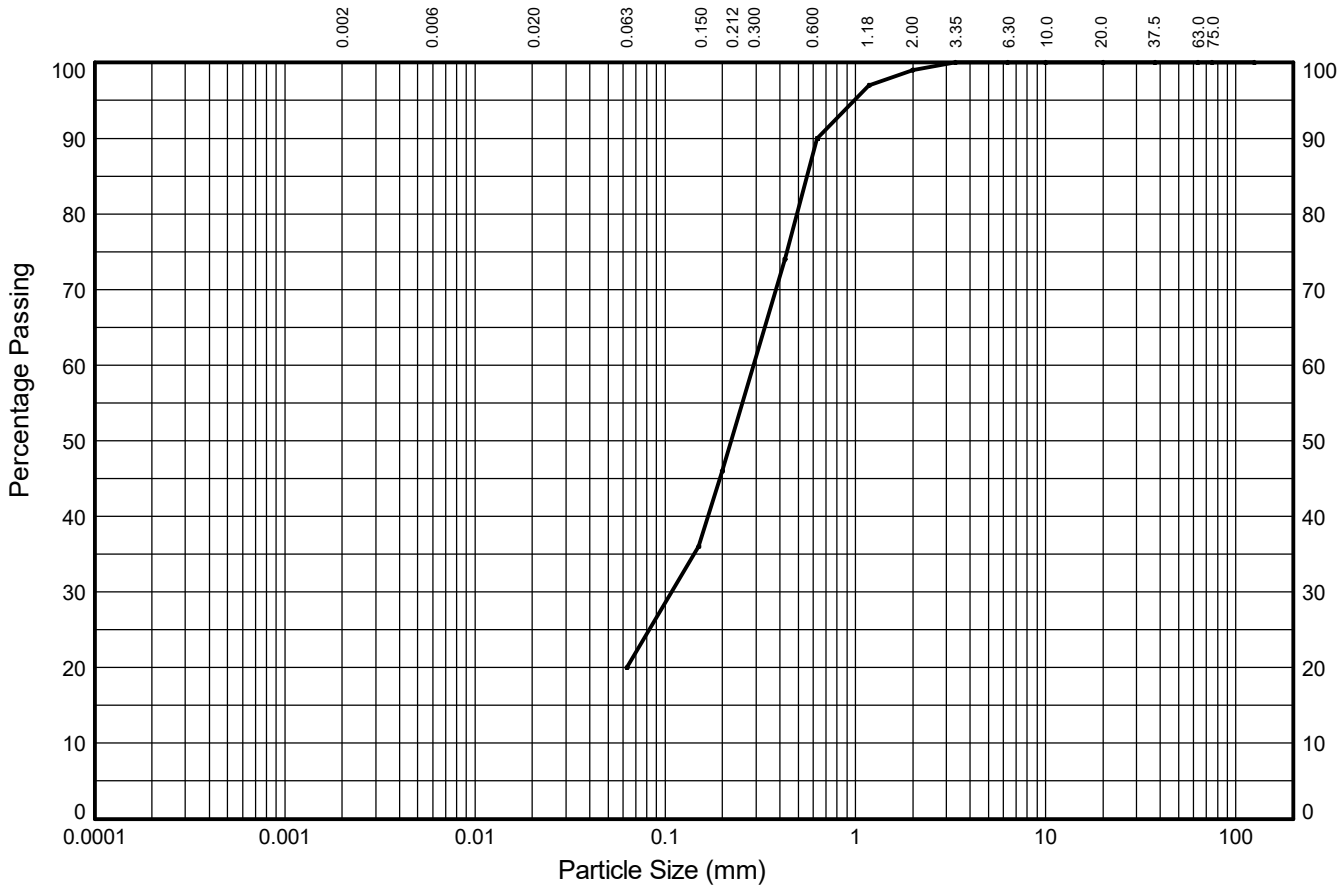
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **23** Sample Type: **C** Depth (m): **36.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	26%	44%	9%	1%	0%	0%	
	SILT			SAND			GRAVEL			
20%				79%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**99**
1.18	**97**
0.630	**90**
0.425	**74**
0.200	**46**
0.150	**36**
0.063	**20**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.108**
D_{50} (mm)	**0.223**
D_{60} (mm)	**0.292**
D_{85} (mm)	**0.557**
D_{90} (mm)	**0.630**
C_U	**NA**
C_C	**NA**

Soil Description:

Grey mottled brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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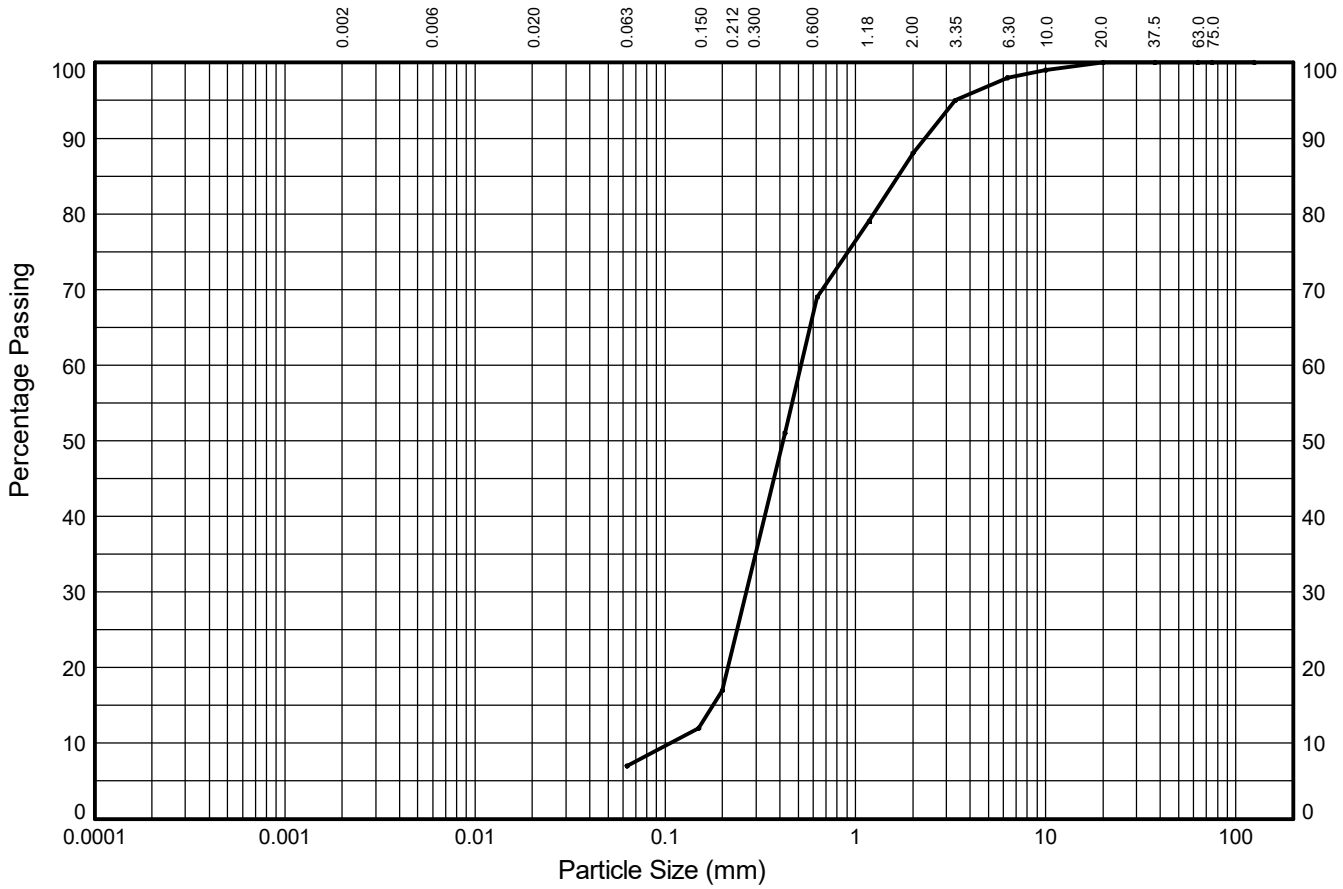
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **25** Sample Type: **C** Depth (m): **40.25**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	10%	52%	19%	10%	2%	0%	
	SILT			SAND			GRAVEL			
7%				81%			12%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**95**
2.00	**88**
1.18	**79**
0.630	**69**
0.425	**51**
0.200	**17**
0.150	**12**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.106**
D_{15} (mm)	**0.178**
D_{30} (mm)	**0.267**
D_{50} (mm)	**0.416**
D_{60} (mm)	**0.517**
D_{85} (mm)	**1.677**
D_{90} (mm)	**2.318**
C_U	**4.9**
C_C	**1.3**

Soil Description:

Grey mottled brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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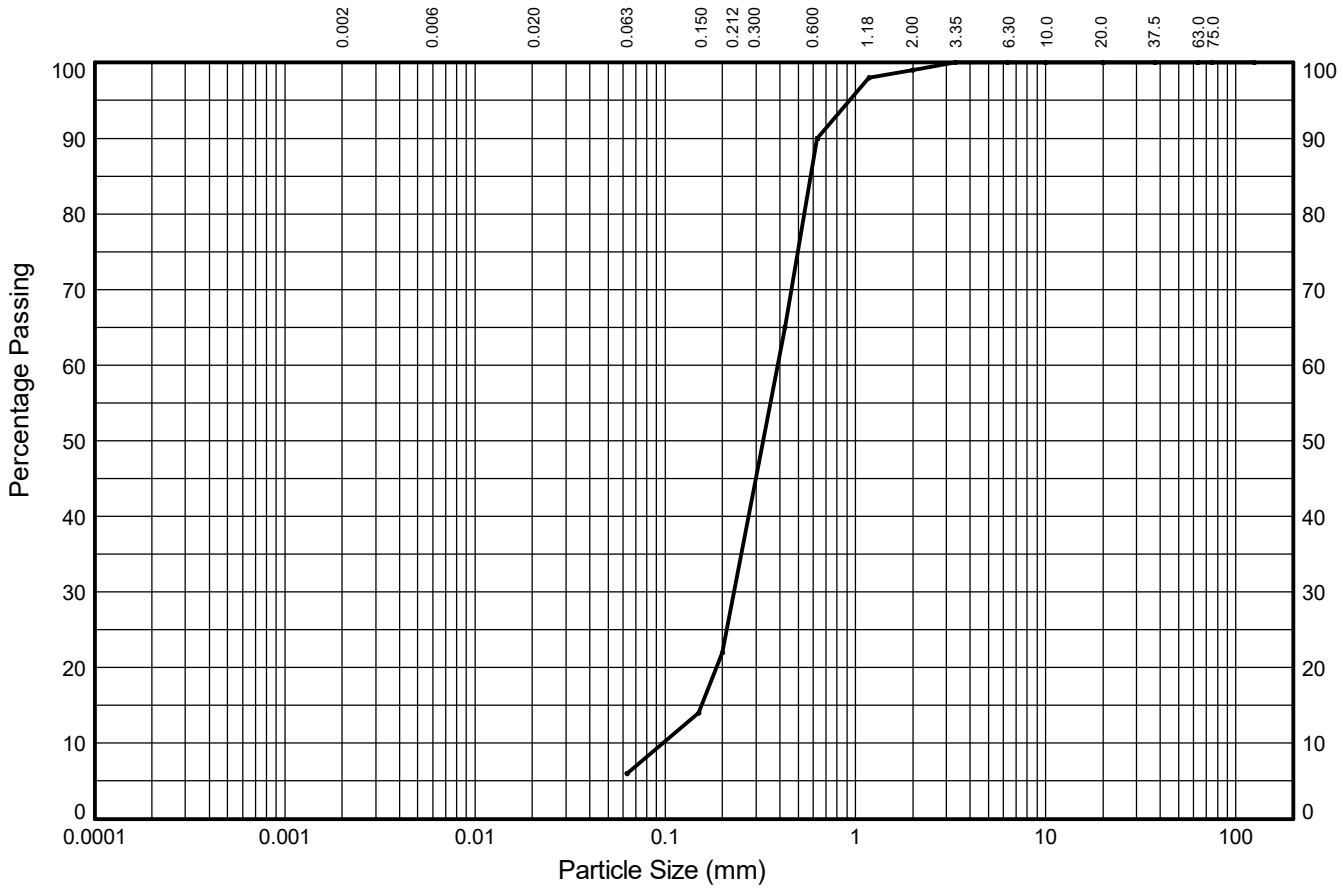
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **6** Sample Type: **D** Depth (m): **42.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	16%	68%	9%	1%	0%	0%	
	SILT			SAND			GRAVEL			
6%				93%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**99**
1.18	**98**
0.630	**90**
0.425	**65**
0.200	**22**
0.150	**14**
0.063	**6**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.097**
D_{15} (mm)	**0.155**
D_{30} (mm)	**0.230**
D_{50} (mm)	**0.327**
D_{60} (mm)	**0.389**
D_{85} (mm)	**0.582**
D_{90} (mm)	**0.630**
C_U	**4.0**
C_C	**1.4**

Soil Description:

Grey slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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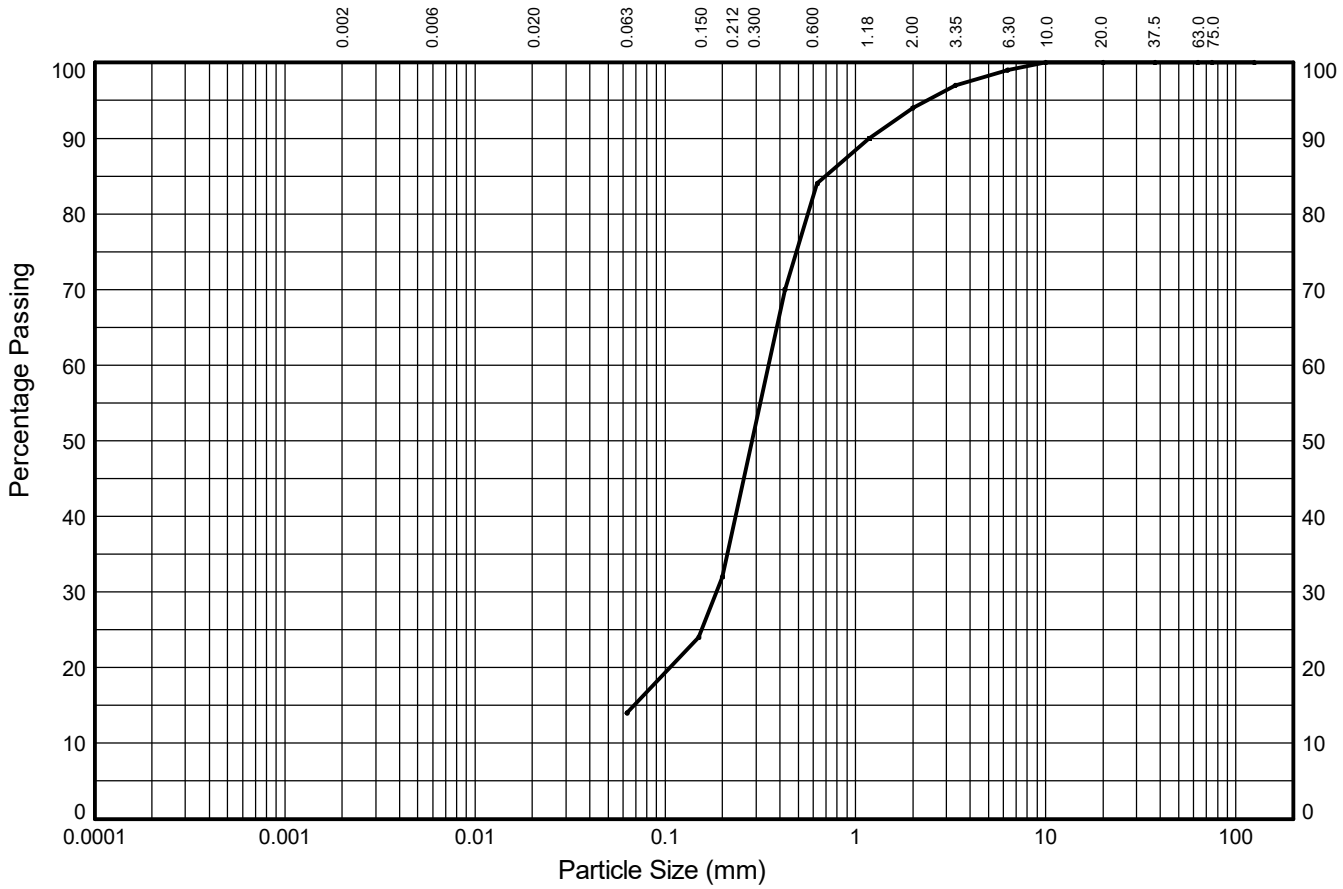
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **29** Sample Type: **C** Depth (m): **44.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	18%	52%	10%	5%	1%	0%	
	SILT			SAND			GRAVEL			
14%				80%			6%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**97**
2.00	**94**
1.18	**90**
0.630	**84**
0.425	**70**
0.200	**32**
0.150	**24**
0.063	**14**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.069**
D_{30} (mm)	**0.186**
D_{50} (mm)	**0.286**
D_{60} (mm)	**0.349**
D_{85} (mm)	**0.699**
D_{90} (mm)	**1.180**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark grey mottled brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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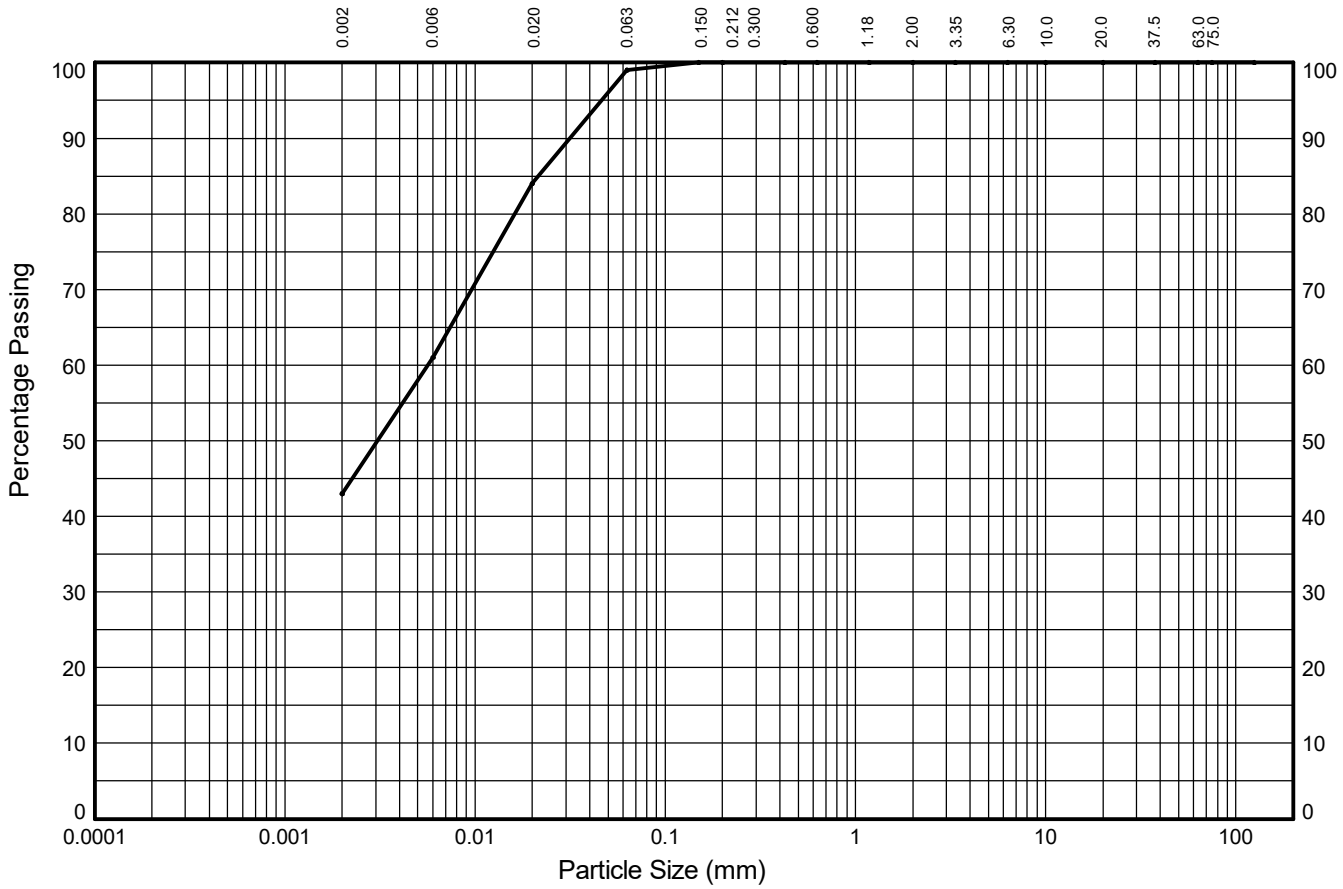
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **8** Sample Type: **D** Depth (m): **48.36**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	18%	23%	15%	1%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
43%	56%			1%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**99**

Particle Diameter (mm)	Percent Passing (%)
0.02	**84**
0.006	**61**
0.002	**43**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.003**
D_{60} (mm)	**0.006**
D_{85} (mm)	**0.022**
D_{90} (mm)	**0.032**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark brownish grey slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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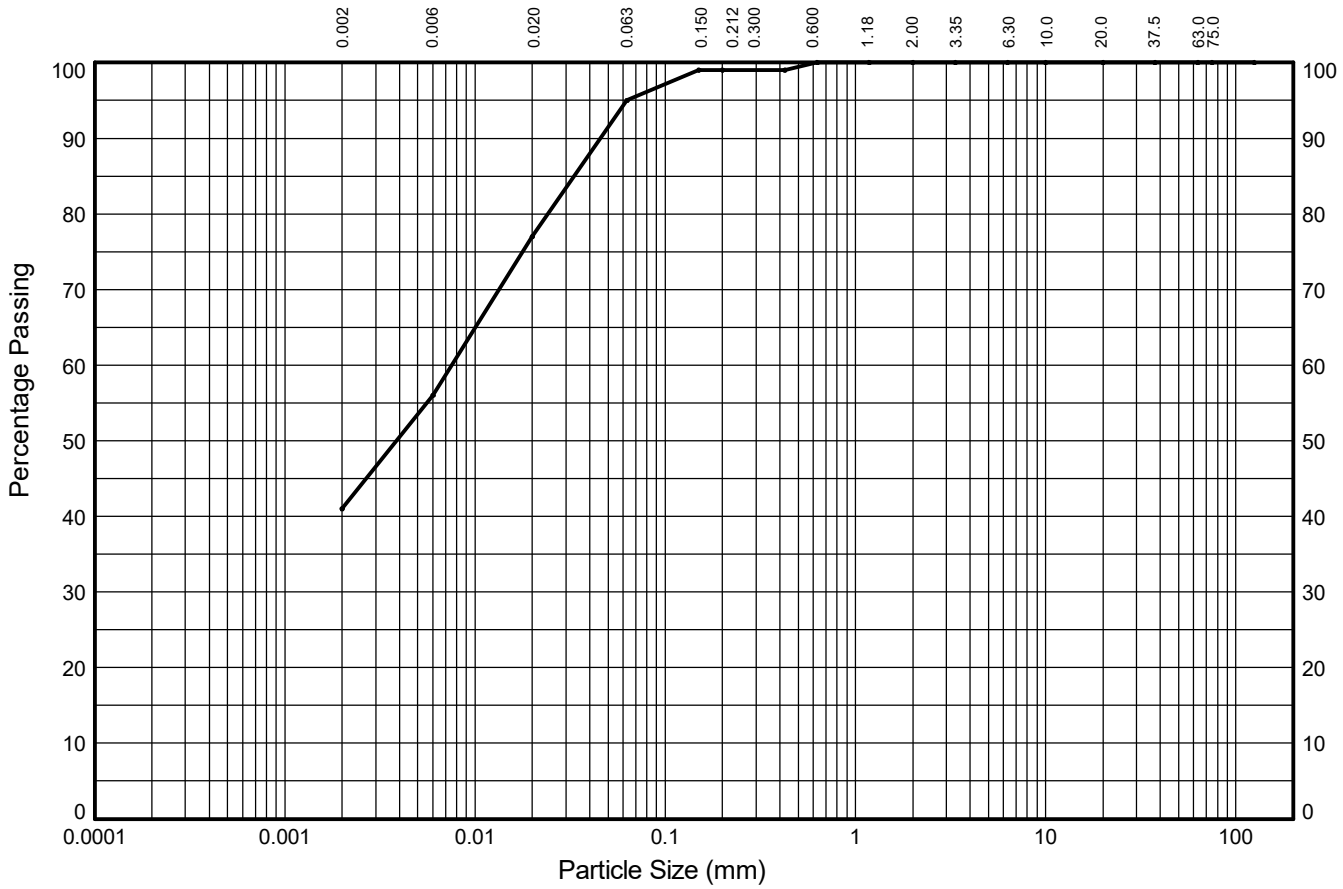
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **31** Sample Type: **C** Depth (m): **53.09**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	15%	21%	18%	4%	1%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
41%	54%			5%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**99**
0.200	**99**
0.150	**99**
0.063	**95**

Particle Diameter (mm)	Percent Passing (%)
0.02	**77**
0.006	**56**
0.002	**41**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.004**
D_{60} (mm)	**0.008**
D_{85} (mm)	**0.033**
D_{90} (mm)	**0.046**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark greyish brown slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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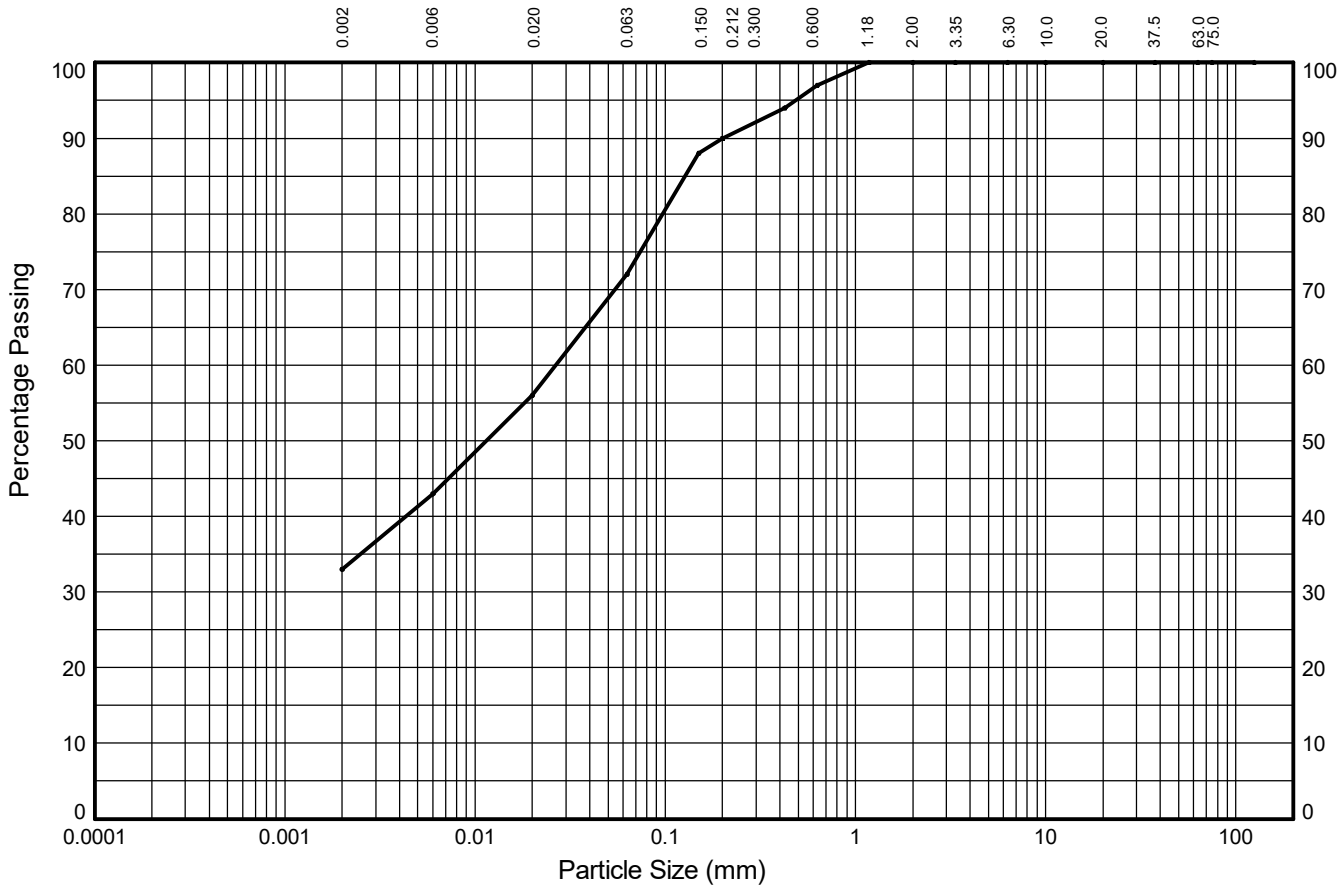
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **14** Sample Type: **D** Depth (m): **54.90**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	10%	13%	16%	18%	7%	3%	0%	0%	0%	
	SILT			SAND			GRAVEL			
33%	39%			28%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**97**
0.425	**94**
0.200	**90**
0.150	**88**
0.063	**72**

Particle Diameter (mm)	Percent Passing (%)
0.02	**56**
0.006	**43**
0.002	**33**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.011**
D_{60} (mm)	**0.027**
D_{85} (mm)	**0.127**
D_{90} (mm)	**0.200**
C_U	**NA**
C_C	**NA**

Soil Description:

Grey mottled brown slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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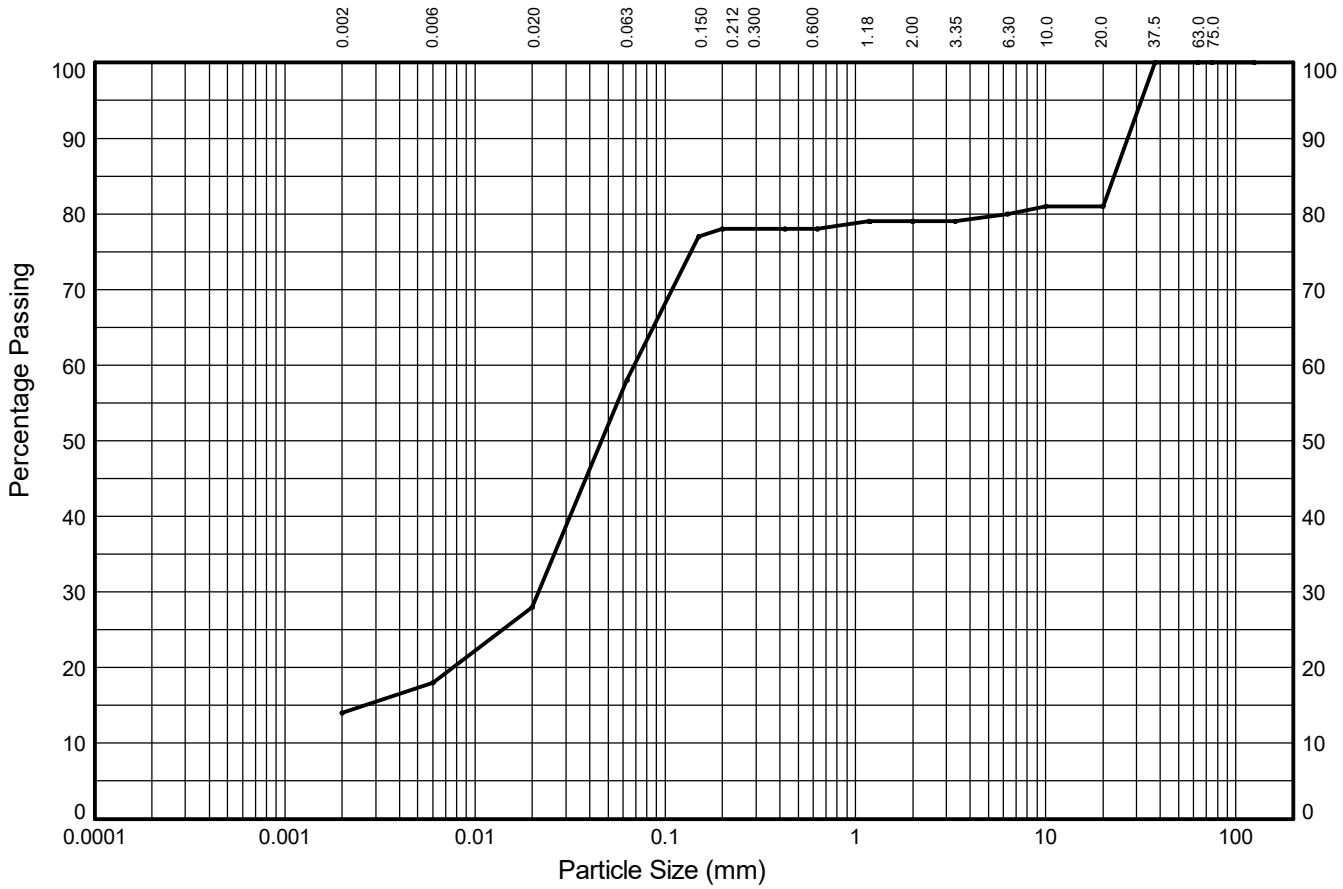
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

NON-STANDARD TEST

Position ID: **DCBH2019_3** Sample Ref: **38** Sample Type: **C** Depth (m): **59.72**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	4%	10%	30%	20%	0%	1%	1%	1%	19%	
	SILT			SAND			GRAVEL			
14%	44%			21%			21%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**81**
10.0	**81**
6.30	**80**
3.35	**79**
2.00	**79**
1.18	**79**
0.630	**78**
0.425	**78**
0.200	**78**
0.150	**77**
0.063	**58**

Particle Diameter (mm)	Percent Passing (%)
0.02	**28**
0.006	**18**
0.002	**14**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.003**
D_{30} (mm)	**0.022**
D_{50} (mm)	**0.046**
D_{60} (mm)	**0.069**
D_{85} (mm)	**22.830**
D_{90} (mm)	**26.937**
C_U	**NA**
C_C	**NA**

Soil Description:

Brownish grey mottled bluish grey slightly gravelly slightly sandy SILT

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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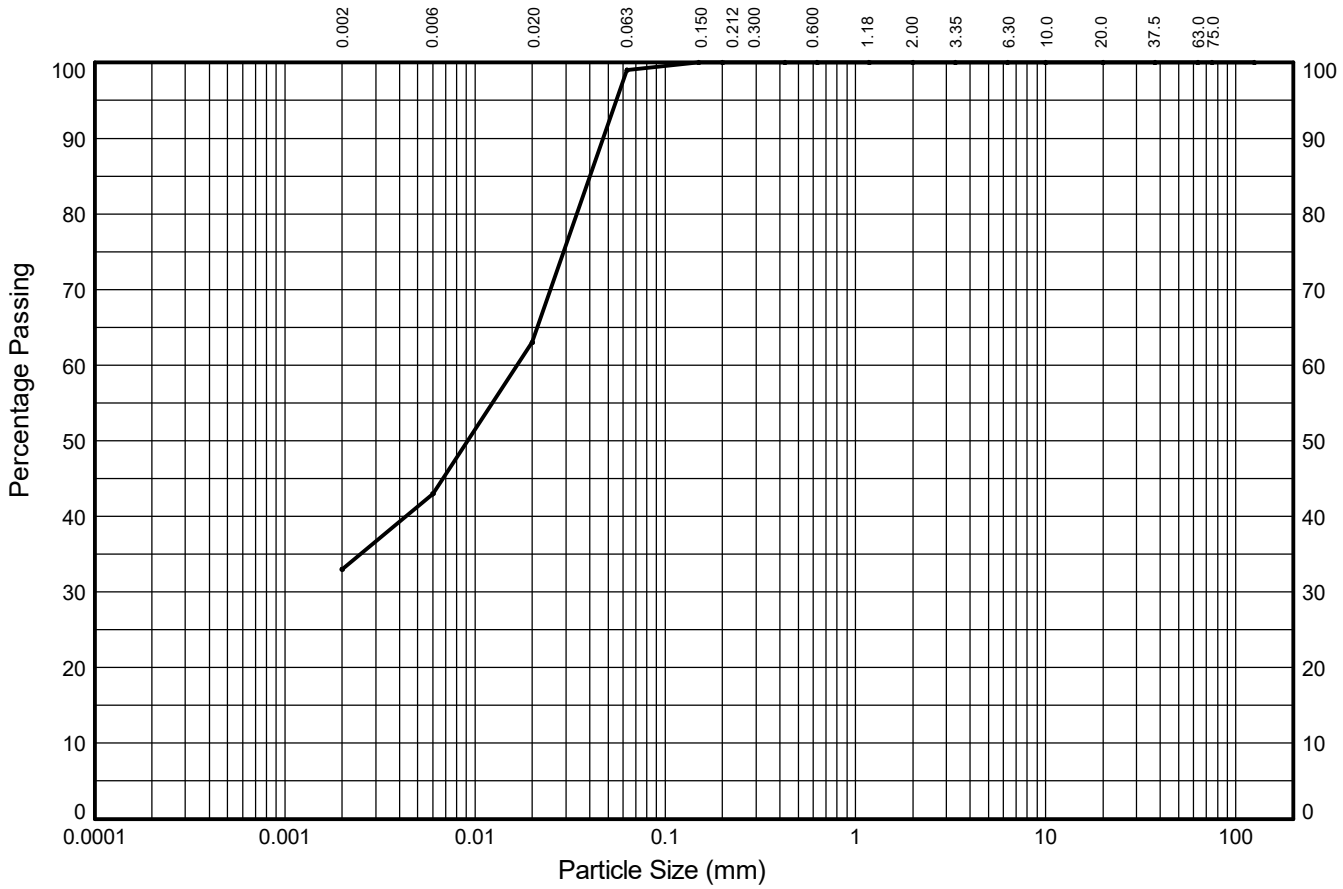
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **40** Sample Type: **C** Depth (m): **62.23**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	10%	20%	36%	1%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
33%	66%			1%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**99**

Particle Diameter (mm)	Percent Passing (%)
0.02	**63**
0.006	**43**
0.002	**33**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.009**
D_{60} (mm)	**0.017**
D_{85} (mm)	**0.040**
D_{90} (mm)	**0.047**
C_U	**NA**
C_C	**NA**

Soil Description:

Yellowish brown mottled grey slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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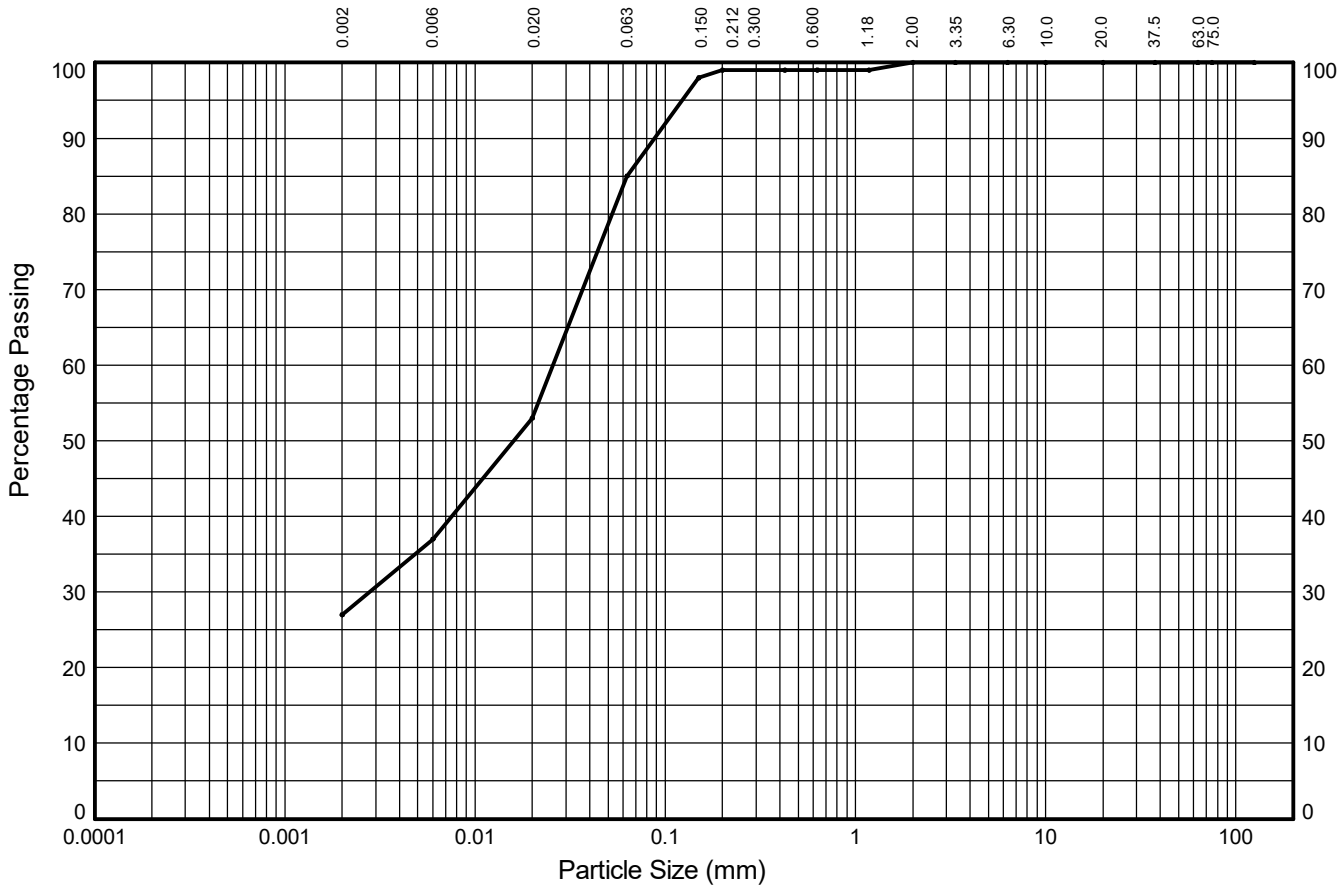
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **41** Sample Type: **C** Depth (m): **62.82**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	10%	16%	32%	14%	0%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
27%	58%			15%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**99**
0.425	**99**
0.200	**99**
0.150	**98**
0.063	**85**

Particle Diameter (mm)	Percent Passing (%)
0.02	**53**
0.006	**37**
0.002	**27**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.003**
D_{50} (mm)	**0.016**
D_{60} (mm)	**0.026**
D_{85} (mm)	**0.063**
D_{90} (mm)	**0.088**
C_U	**NA**
C_C	**NA**

Soil Description:

Brown mottled grey slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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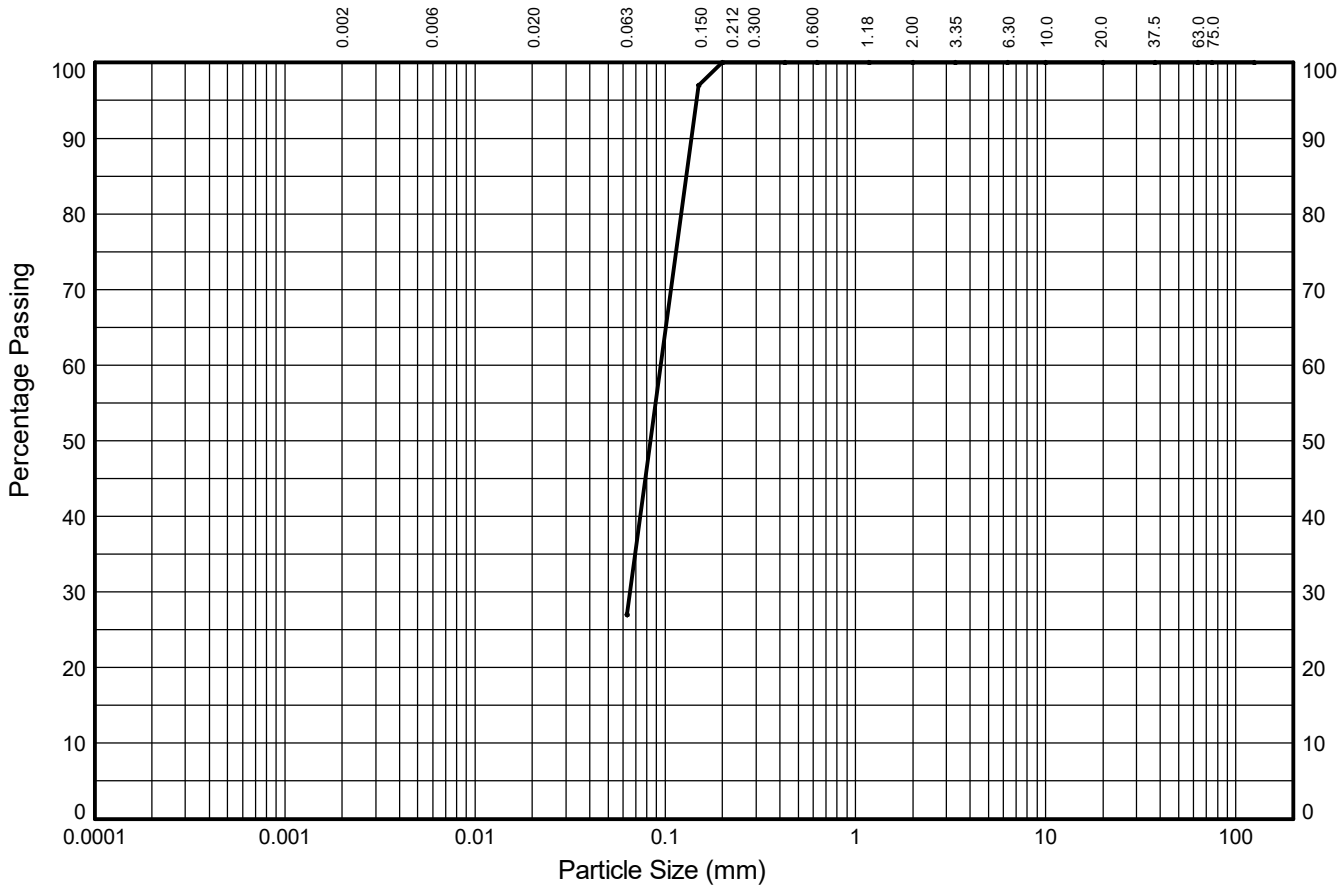
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **15** Sample Type: **D** Depth (m): **64.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	73%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
27%				73%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**97**
0.063	**27**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.065**
D_{50} (mm)	**0.084**
D_{60} (mm)	**0.095**
D_{85} (mm)	**0.129**
D_{90} (mm)	**0.138**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark brown very silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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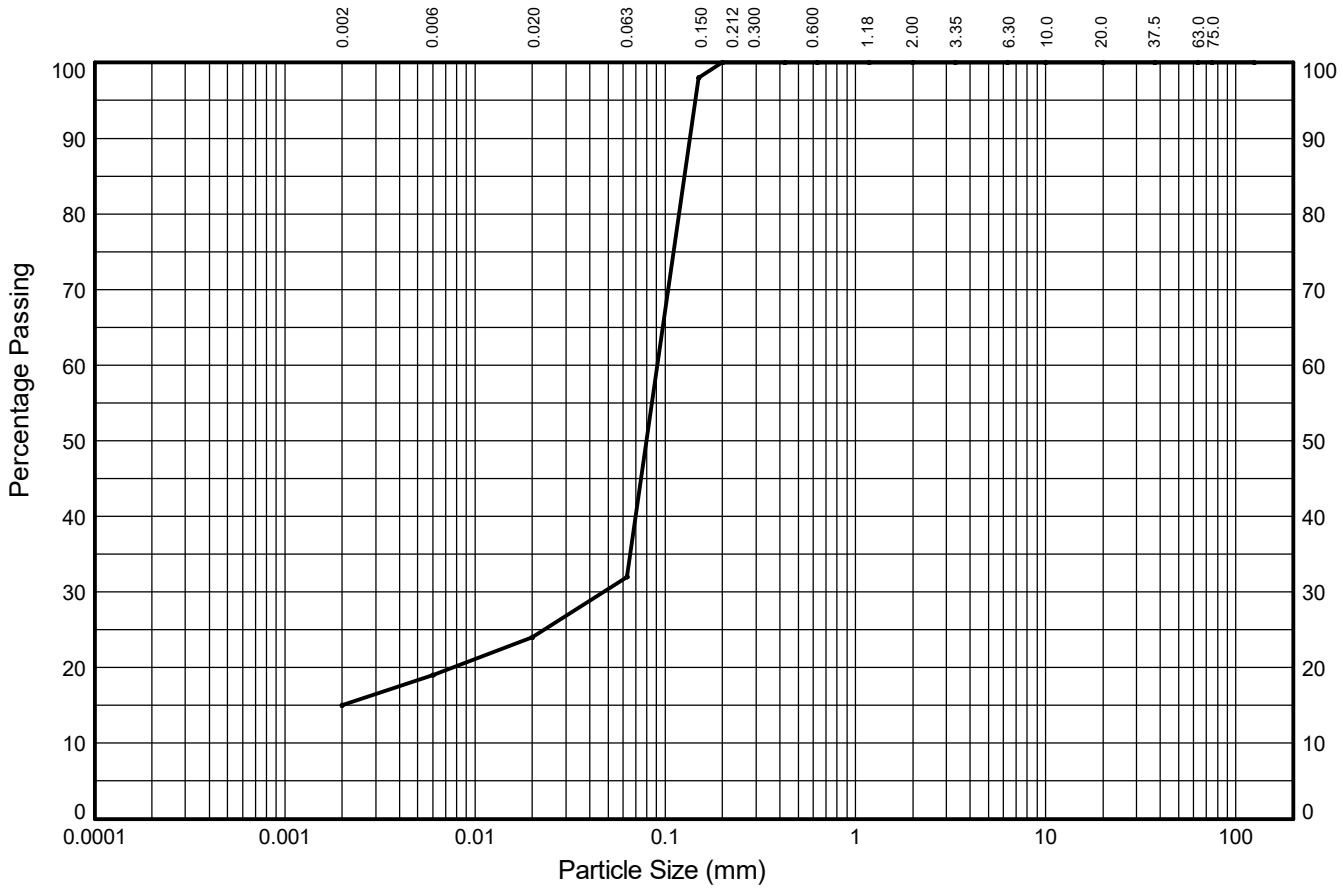
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **43** Sample Type: **C** Depth (m): **65.96**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	4%	5%	8%	68%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
15%	17%			68%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**98**
0.063	**32**

Particle Diameter (mm)	Percent Passing (%)
0.02	**24**
0.006	**19**
0.002	**15**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.002**
D_{30} (mm)	**0.047**
D_{50} (mm)	**0.080**
D_{60} (mm)	**0.091**
D_{85} (mm)	**0.126**
D_{90} (mm)	**0.135**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark brown very clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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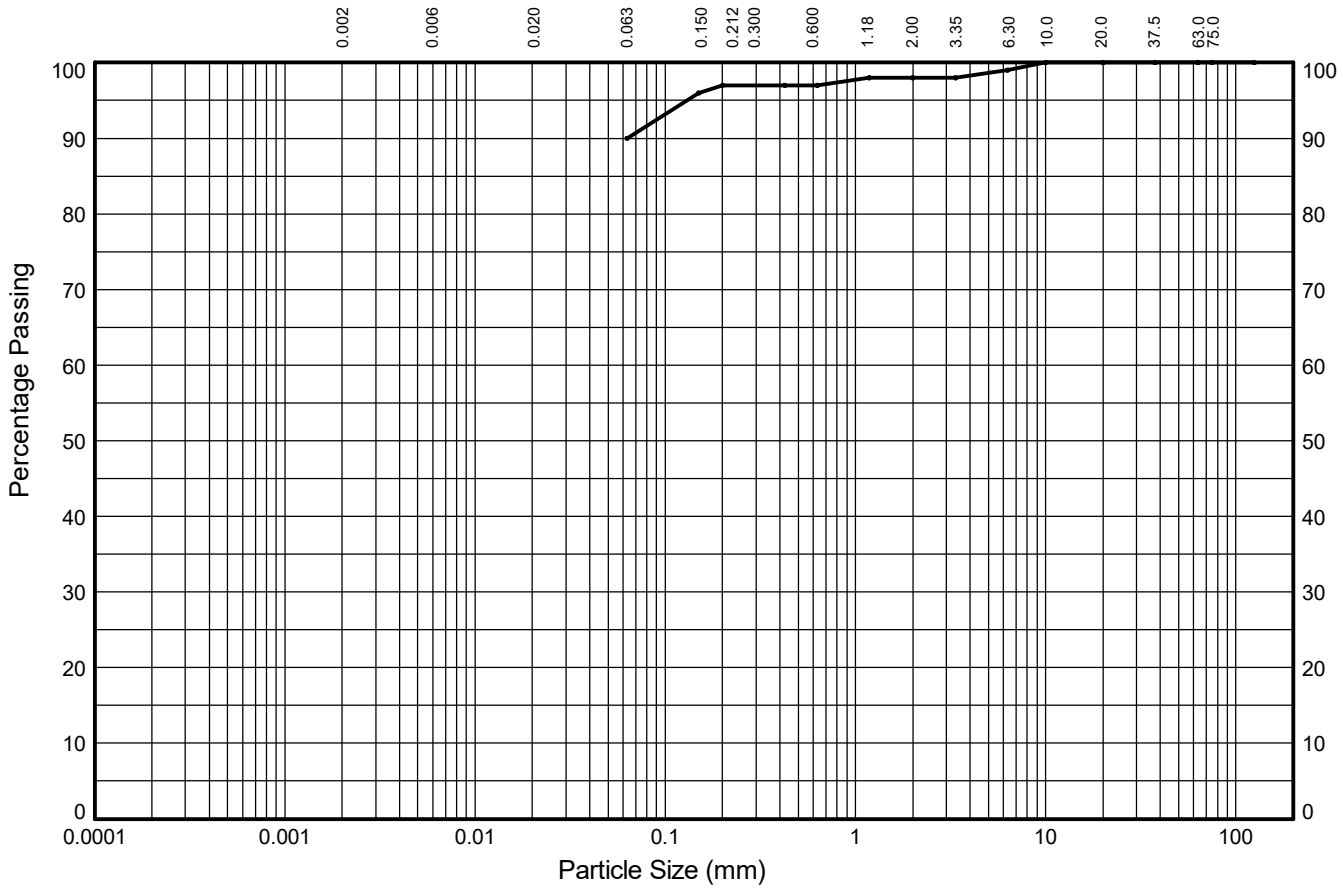
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **45** Sample Type: **C** Depth (m): **67.44**



CLAY				SILT			SAND			GRAVEL			COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse				
	-	-	-	7%	0%	1%	1%	1%	0%				
90%				8%			2%						0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**98**
1.18	**98**
0.630	**97**
0.425	**97**
0.200	**97**
0.150	**96**
0.063	**90**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**NA**
D_{90} (mm)	**0.063**
C_U	**NA**
C_C	**NA**

Soil Description:

Grey slightly gravelly slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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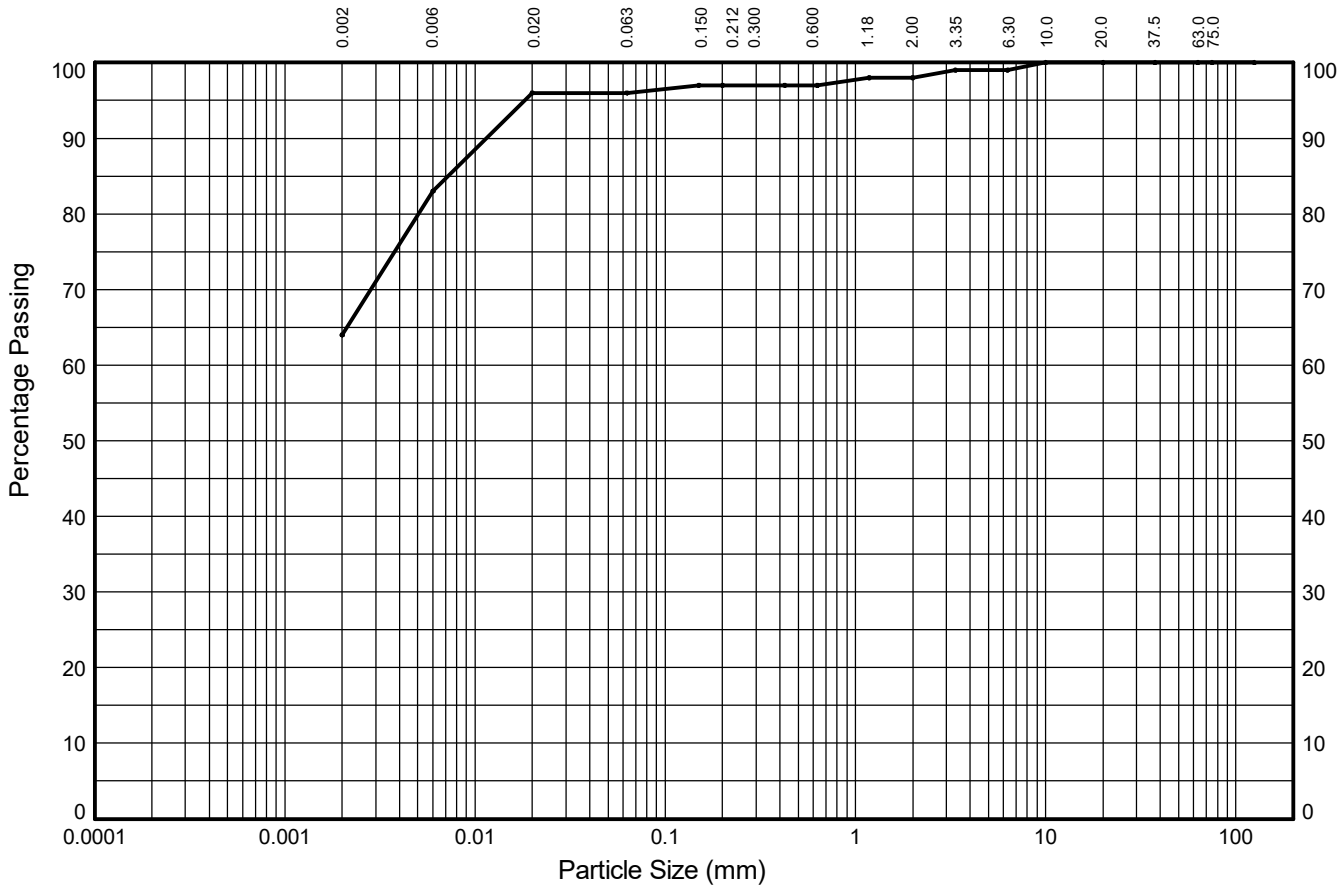
Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **47** Sample Type: **C** Depth (m): **68.72**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	19%	13%	0%	1%	0%	1%	1%	1%	0%	
	SILT			SAND			GRAVEL			
64%	32%			2%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**99**
2.00	**98**
1.18	**98**
0.630	**97**
0.425	**97**
0.200	**97**
0.150	**97**
0.063	**96**

Particle Diameter (mm)	Percent Passing (%)
0.02	**96**
0.006	**83**
0.002	**64**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**0.007**
D_{90} (mm)	**0.011**
C_U	**NA**
C_C	**NA**

Soil Description:

Brown slightly gravelly slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted] FRANCESCA BENNETT	30/05/20

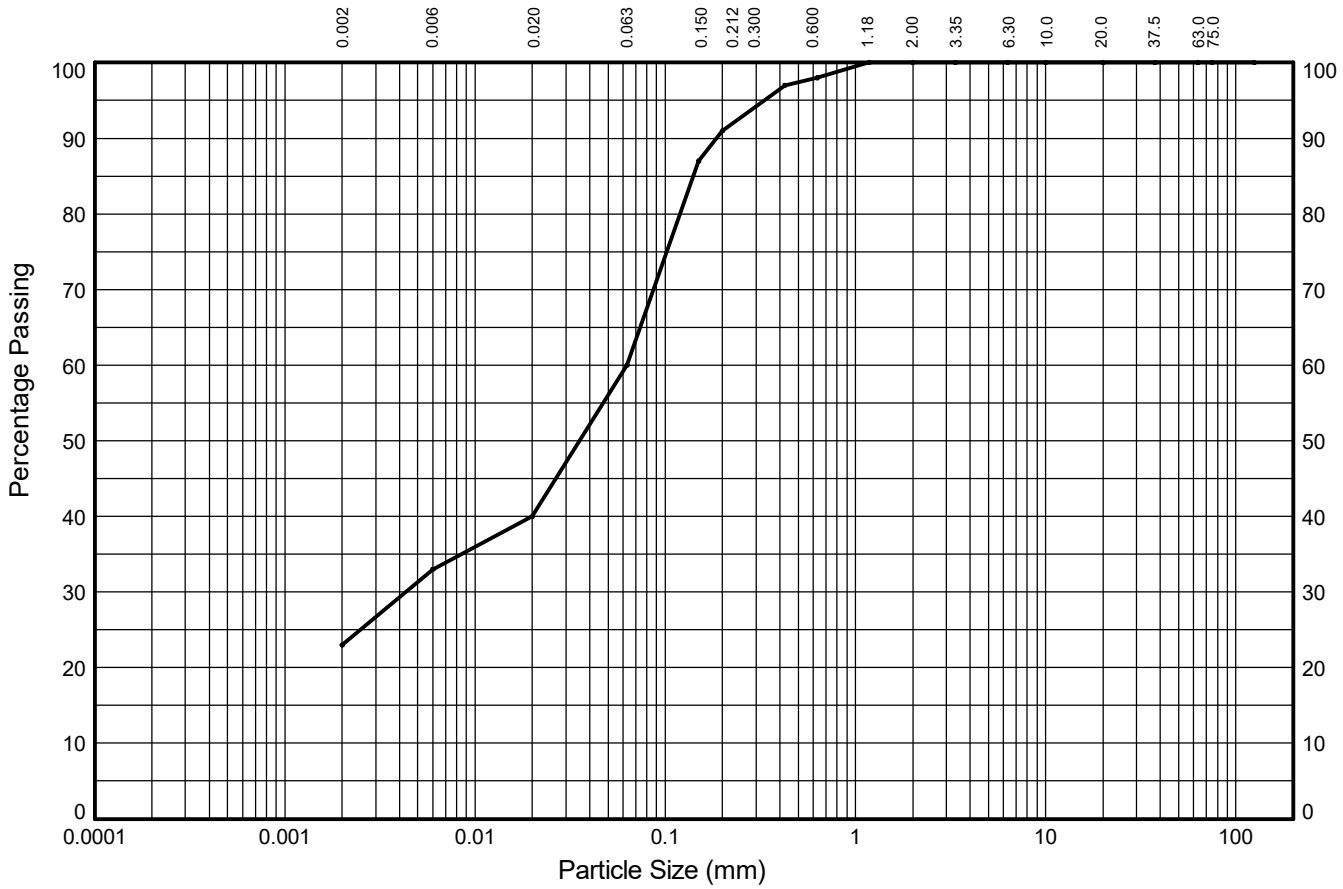
Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **51** Sample Type: **C** Depth (m): **71.81**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	10%	7%	20%	31%	7%	2%	0%	0%	0%	
	SILT			SAND			GRAVEL			
23%	37%			40%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**98**
0.425	**97**
0.200	**91**
0.150	**87**
0.063	**60**

Particle Diameter (mm)	Percent Passing (%)
0.02	**40**
0.006	**33**
0.002	**23**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.004**
D_{50} (mm)	**0.035**
D_{60} (mm)	**0.063**
D_{85} (mm)	**0.141**
D_{90} (mm)	**0.186**
C_U	**NA**
C_C	**NA**

Soil Description:

Grey sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_3** Sample Ref: **63** Sample Type: **C** Depth (m): **80.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	9%	9%	12%	24%	15%	4%	0%	0%	0%	
	SILT			SAND			GRAVEL			
27%	30%			43%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**96**
0.425	**92**
0.200	**81**
0.150	**75**
0.063	**57**

Particle Diameter (mm)	Percent Passing (%)
0.02	**45**
0.006	**36**
0.002	**27**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.003**
D_{50} (mm)	**0.032**
D_{60} (mm)	**0.073**
D_{85} (mm)	**0.263**
D_{90} (mm)	**0.371**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark grey sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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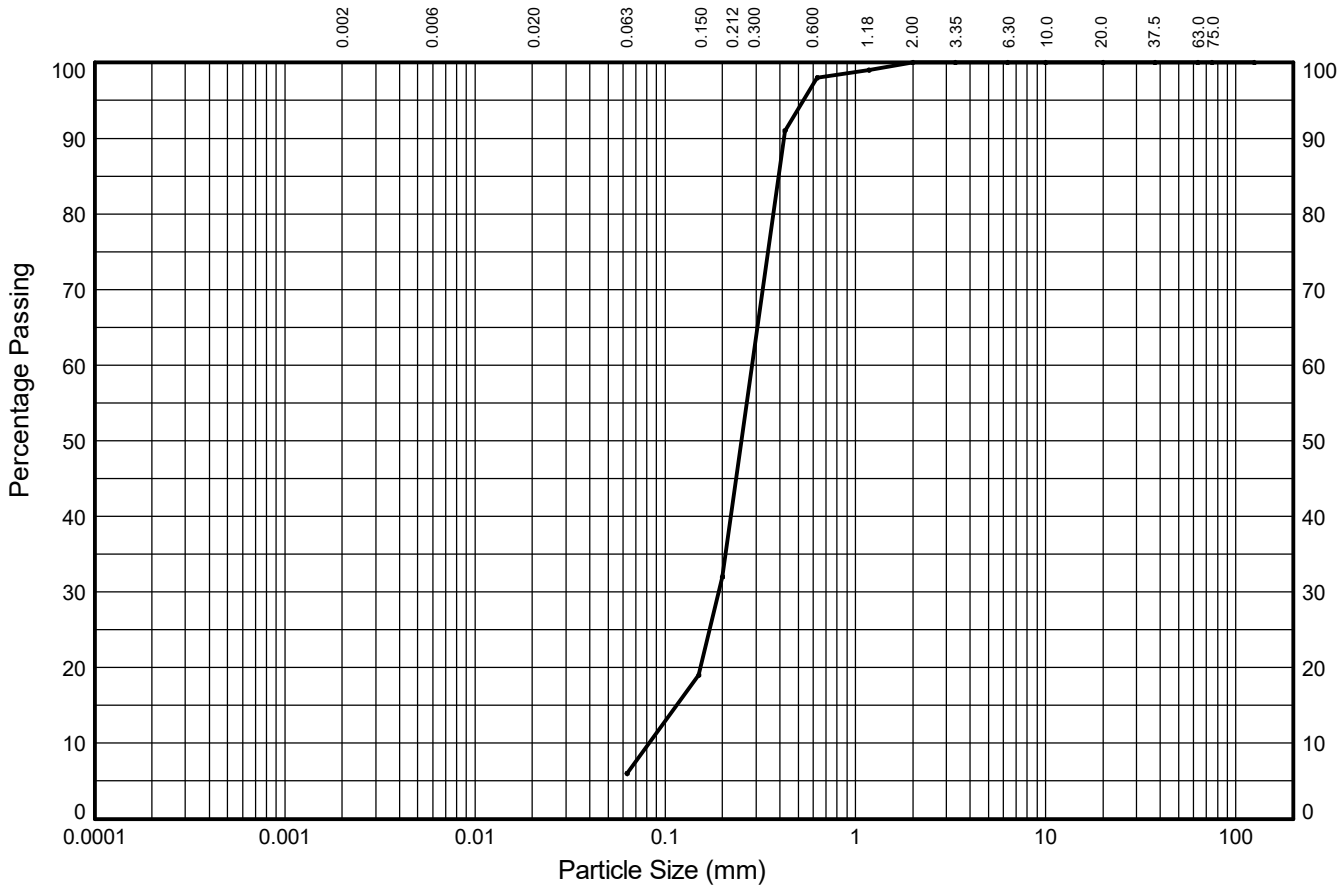
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_4** Sample Ref: **1** Sample Type: **C** Depth (m): **14.40**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	26%	66%	2%	0%	0%	0%	
	SILT			SAND			GRAVEL			
6%				94%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**98**
0.425	**91**
0.200	**32**
0.150	**19**
0.063	**6**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.082**
D_{15} (mm)	**0.115**
D_{30} (mm)	**0.191**
D_{50} (mm)	**0.252**
D_{60} (mm)	**0.286**
D_{85} (mm)	**0.394**
D_{90} (mm)	**0.420**
C_U	**3.5**
C_C	**1.6**

Soil Description:

Brown mottled grey silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Sizewell C Onshore GI Phase 2 2019	**734318**

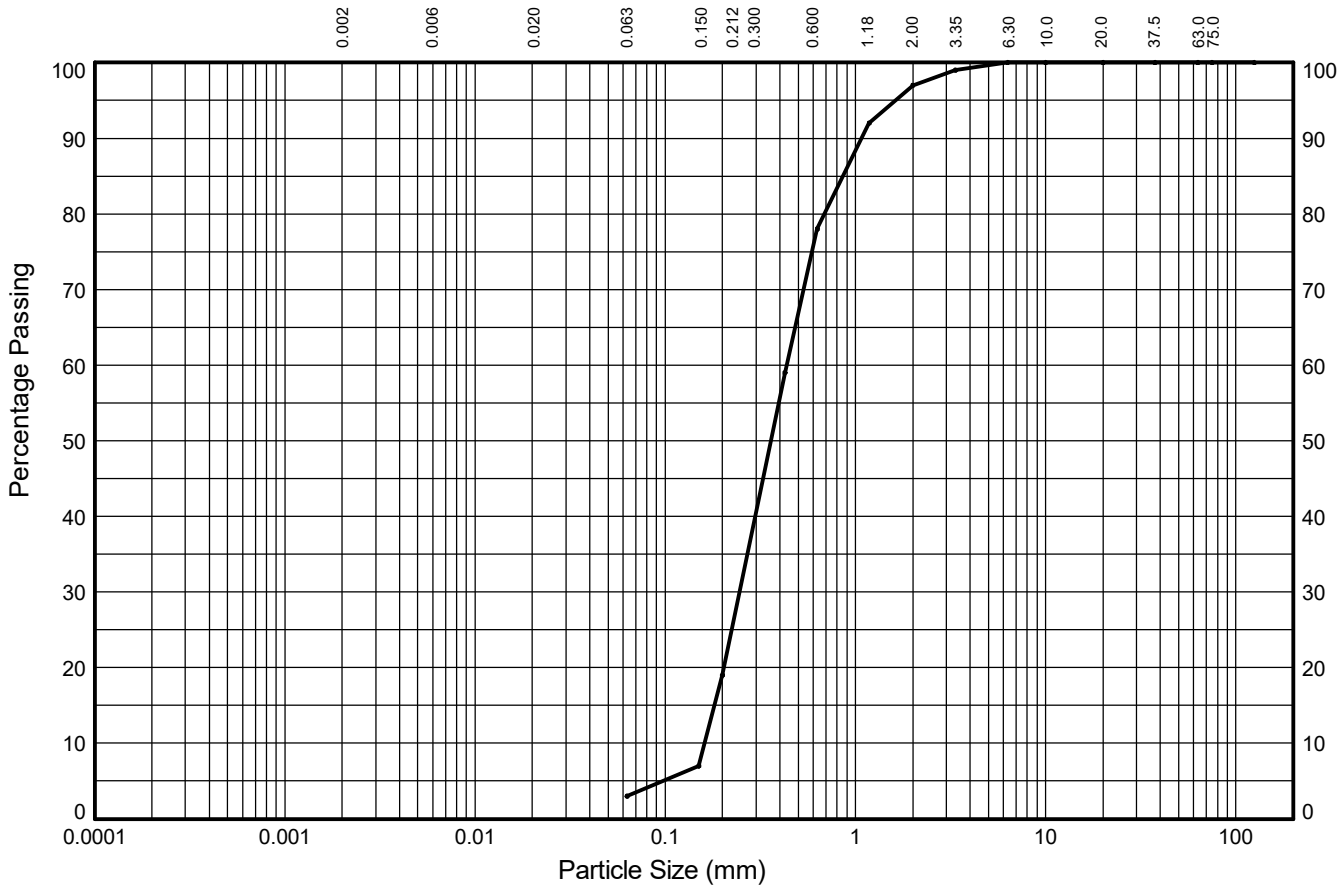
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_4** Sample Ref: **3** Sample Type: **C** Depth (m): **21.90**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	16%	59%	19%	3%	0%	0%	
	SILT			SAND			GRAVEL			
3%				94%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**97**
1.18	**92**
0.630	**78**
0.425	**59**
0.200	**19**
0.150	**7**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.161**
D_{15} (mm)	**0.182**
D_{30} (mm)	**0.246**
D_{50} (mm)	**0.359**
D_{60} (mm)	**0.434**
D_{85} (mm)	**0.862**
D_{90} (mm)	**1.079**
C_U	**2.7**
C_C	**0.87**

Soil Description:

Yellowish brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

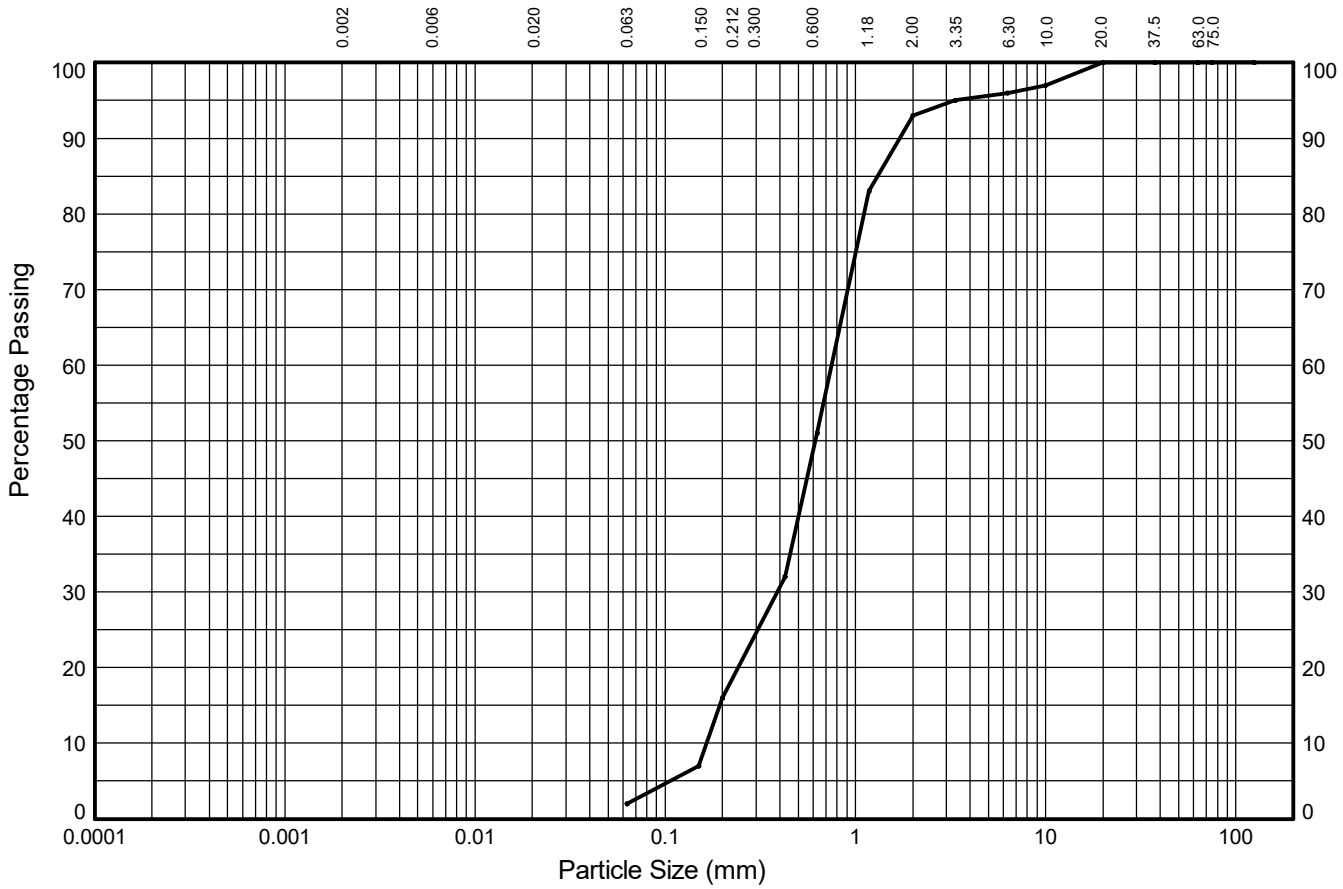
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_4** Sample Ref: **4** Sample Type: **C** Depth (m): **35.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	14%	35%	42%	3%	4%	0%	
	SILT			SAND			GRAVEL			
2%				91%			7%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**97**
6.30	**96**
3.35	**95**
2.00	**93**
1.18	**83**
0.630	**51**
0.425	**32**
0.200	**16**
0.150	**7**
0.063	**2**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.165**
D_{15} (mm)	**0.194**
D_{30} (mm)	**0.387**
D_{50} (mm)	**0.617**
D_{60} (mm)	**0.752**
D_{85} (mm)	**1.311**
D_{90} (mm)	**1.707**
C_U	**4.6**
C_C	**1.2**

Soil Description:

Brown mottled grey gravelly slightly silty SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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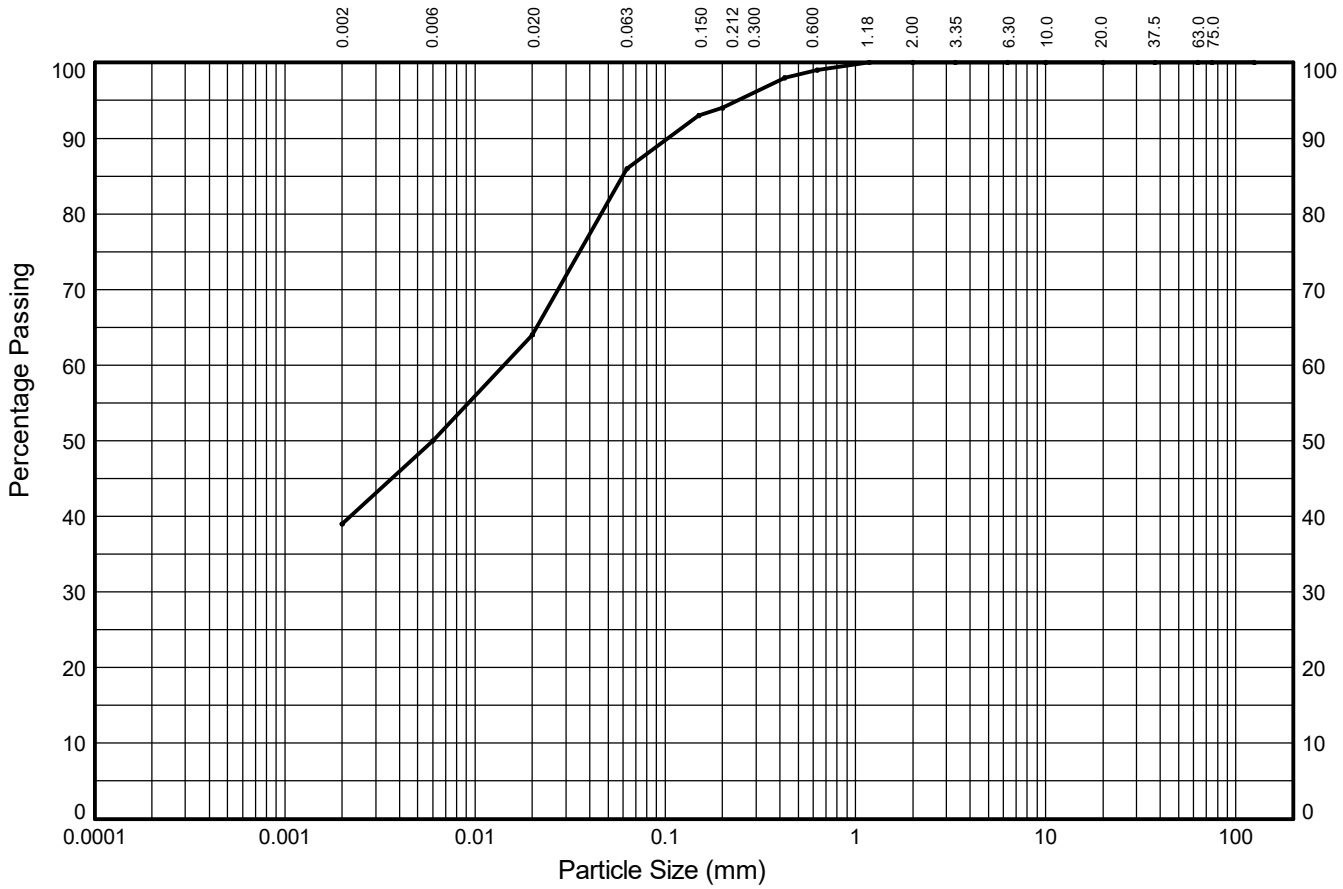
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_4** Sample Ref: **5** Sample Type: **C** Depth (m): **52.64**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	11%	14%	22%	8%	5%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
39%	47%			14%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**99**
0.425	**98**
0.200	**94**
0.150	**93**
0.063	**86**

Particle Diameter (mm)	Percent Passing (%)
0.02	**64**
0.006	**50**
0.002	**39**

Sedimentation sample was pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.006**
D_{60} (mm)	**0.014**
D_{85} (mm)	**0.060**
D_{90} (mm)	**0.103**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark brown slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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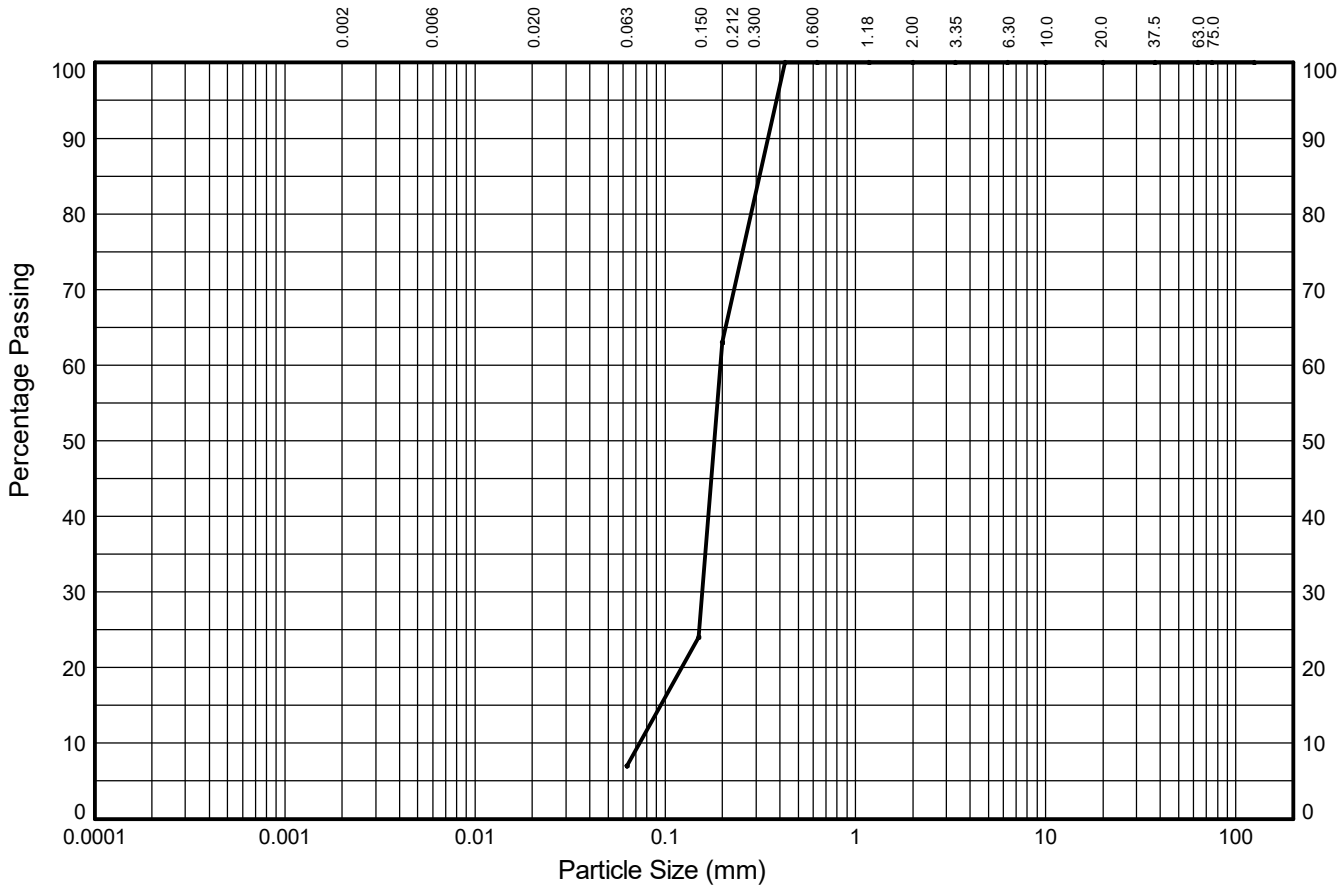
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_4** Sample Ref: **9** Sample Type: **C** Depth (m): **68.95**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	56%	37%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
7%				93%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**63**
0.150	**24**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.073**
D_{15} (mm)	**0.095**
D_{30} (mm)	**0.157**
D_{50} (mm)	**0.182**
D_{60} (mm)	**0.196**
D_{85} (mm)	**0.313**
D_{90} (mm)	**0.347**
C_U	**2.7**
C_C	**1.7**

Soil Description:

Dark grey mottled brown silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By: [redacted] DAISY RICHARDS

Date: 23/04/20

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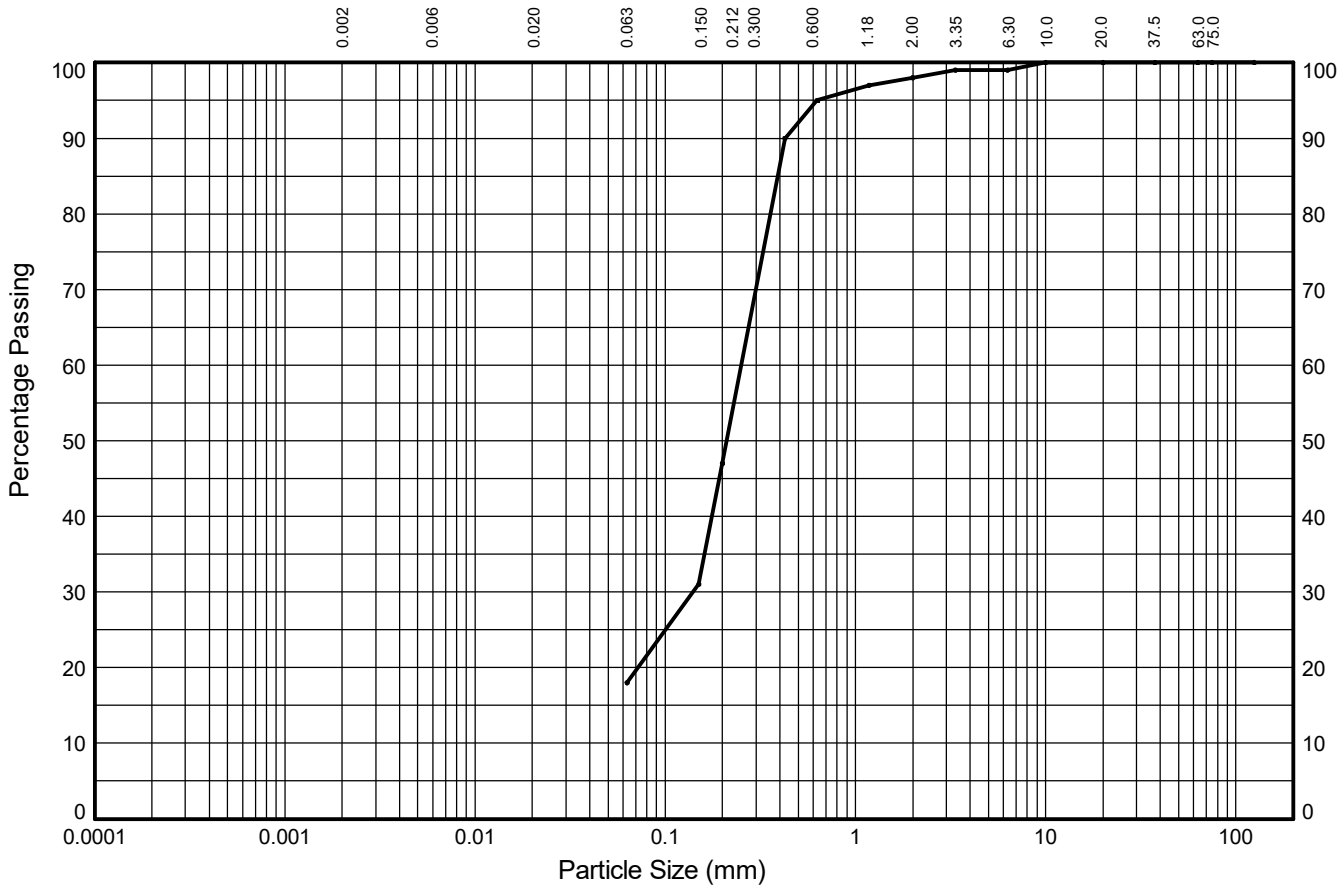
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **1** Sample Type: **C** Depth (m): **15.60**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	29%	48%	3%	1%	1%	0%	
	SILT			SAND			GRAVEL			
18%				80%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**99**
2.00	**98**
1.18	**97**
0.630	**95**
0.425	**90**
0.200	**47**
0.150	**31**
0.063	**18**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.140**
D_{50} (mm)	**0.211**
D_{60} (mm)	**0.251**
D_{85} (mm)	**0.389**
D_{90} (mm)	**0.425**
C_U	**NA**
C_C	**NA**

Soil Description:

Grey mottled brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By	Date
[redacted] FRANCESCA BENNETT	07/03/20

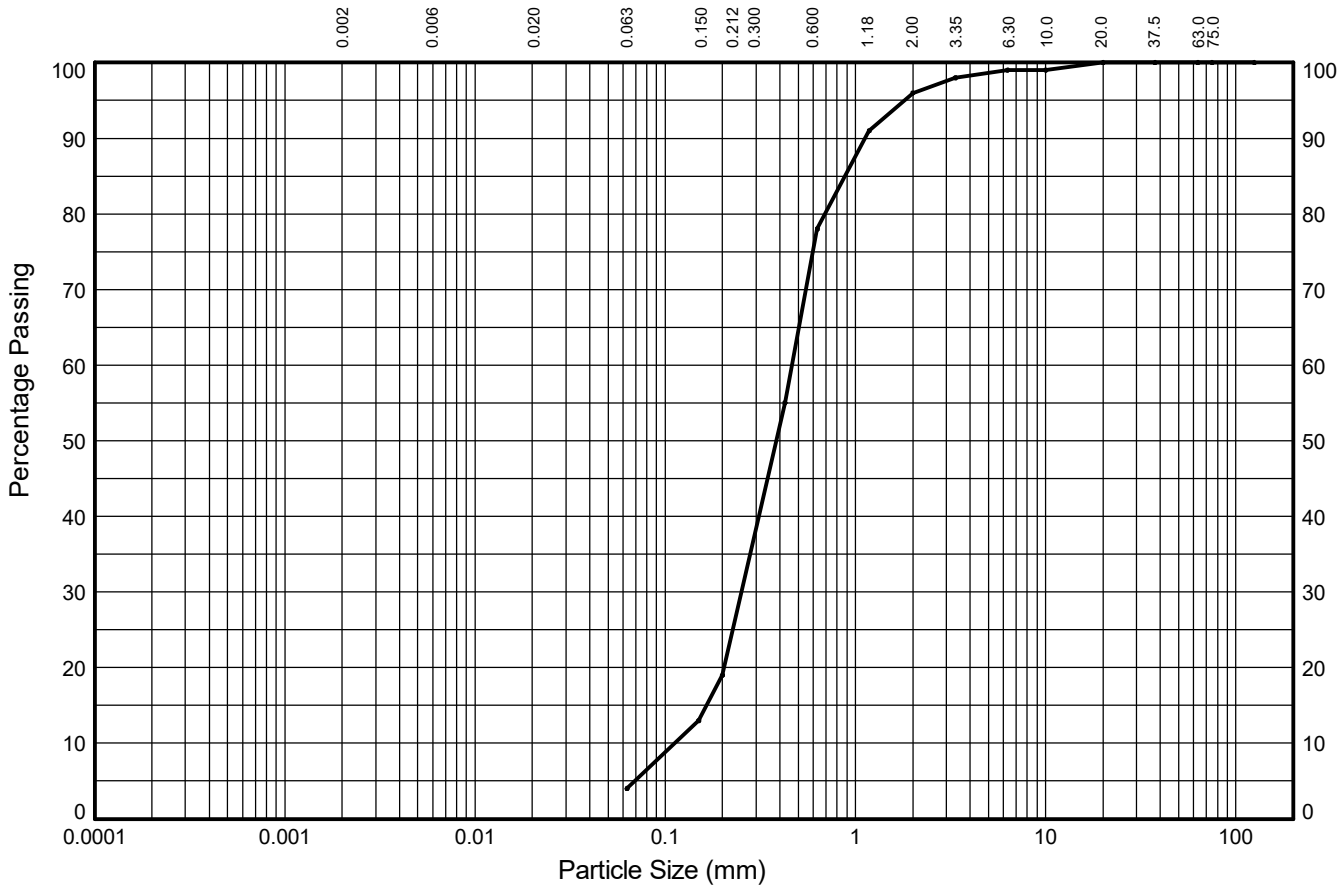
Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - PSD - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **2** Sample Type: **C** Depth (m): **16.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	15%	59%	18%	3%	1%	0%	
	SILT			SAND			GRAVEL			
4%				92%			4%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**99**
3.35	**98**
2.00	**96**
1.18	**91**
0.630	**78**
0.425	**55**
0.200	**19**
0.150	**13**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.112**
D_{15} (mm)	**0.165**
D_{30} (mm)	**0.252**
D_{50} (mm)	**0.383**
D_{60} (mm)	**0.463**
D_{85} (mm)	**0.883**
D_{90} (mm)	**1.124**
C_U	**4.1**
C_C	**1.2**

Soil Description:

Brown mottled grey slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

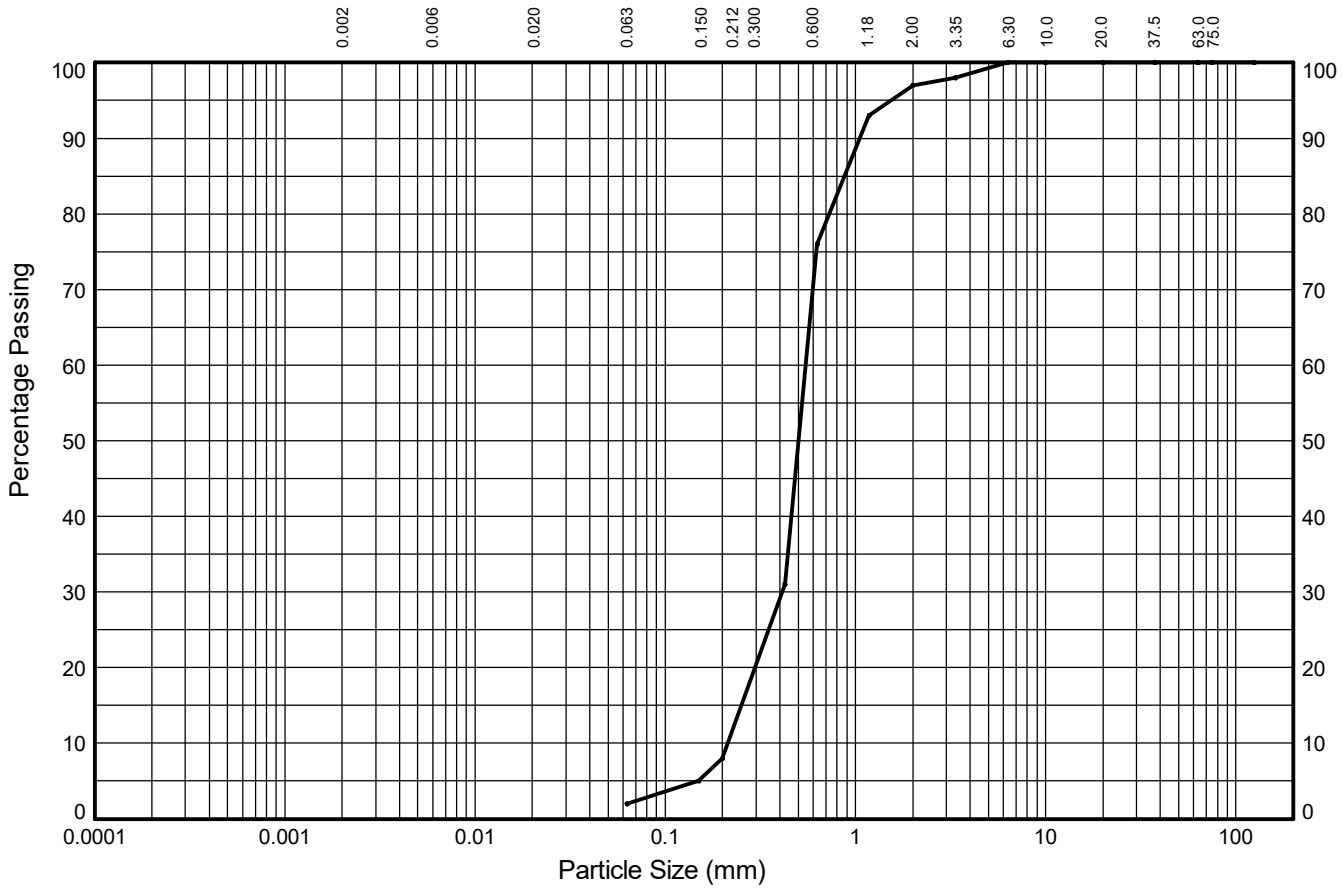
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **6** Sample Type: **C** Depth (m): **21.10**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	6%	68%	21%	3%	0%	0%	
	SILT			SAND			GRAVEL			
2%				95%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**98**
2.00	**97**
1.18	**93**
0.630	**76**
0.425	**31**
0.200	**8**
0.150	**5**
0.063	**2**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.214**
D_{15} (mm)	**0.252**
D_{30} (mm)	**0.411**
D_{50} (mm)	**0.502**
D_{60} (mm)	**0.548**
D_{85} (mm)	**0.878**
D_{90} (mm)	**1.056**
C_U	**2.6**
C_C	**1.4**

Soil Description:

Brown mottled grey slightly gravelly slightly silty SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract: **Sizewell C Onshore GI Phase 2 2019**

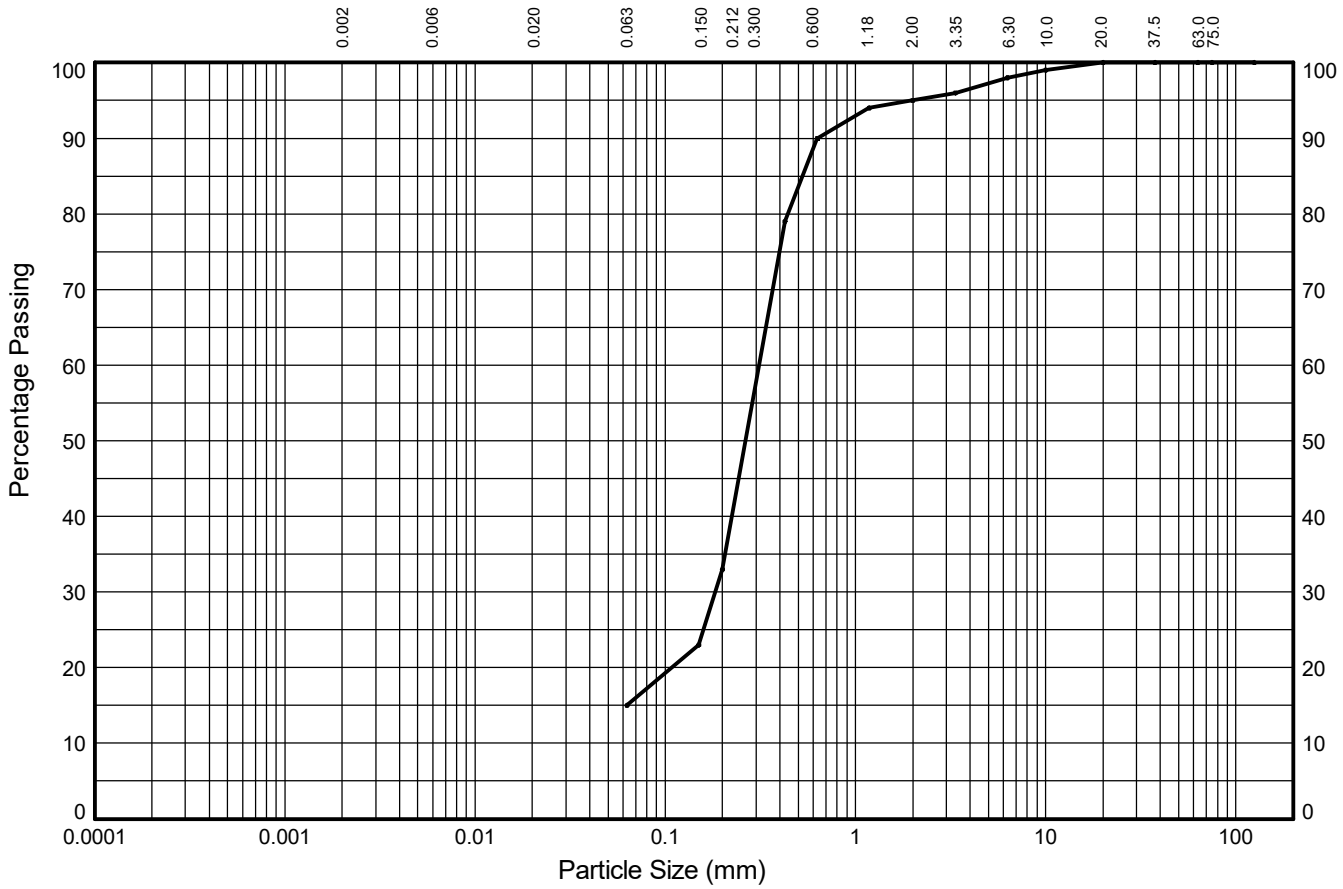
Contract Ref: **734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **7** Sample Type: **C** Depth (m): **22.95**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	18%	57%	5%	3%	2%	0%	
	SILT			SAND			GRAVEL			
15%				80%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**96**
2.00	**95**
1.18	**94**
0.630	**90**
0.425	**79**
0.200	**33**
0.150	**23**
0.063	**15**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.063**
D_{30} (mm)	**0.183**
D_{50} (mm)	**0.264**
D_{60} (mm)	**0.311**
D_{85} (mm)	**0.527**
D_{90} (mm)	**0.630**
C_U	**NA**
C_C	**NA**

Soil Description:

Light brown mottled grey gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

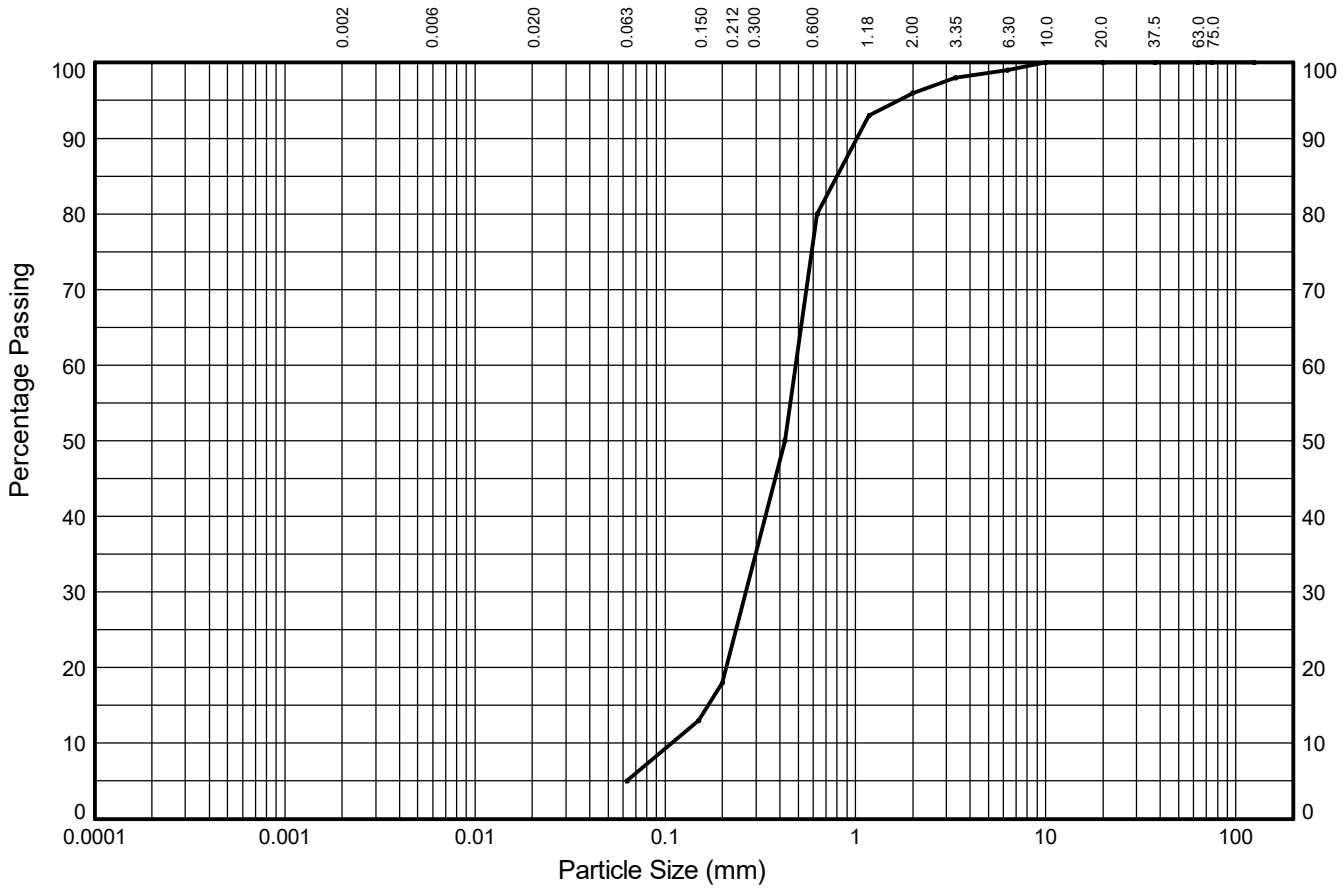
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **11** Sample Type: **C** Depth (m): **38.95**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	13%	62%	16%	3%	1%	0%	
	SILT			SAND			GRAVEL			
5%				91%			4%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**96**
1.18	**93**
0.630	**80**
0.425	**50**
0.200	**18**
0.150	**13**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.108**
D_{15} (mm)	**0.168**
D_{30} (mm)	**0.265**
D_{50} (mm)	**0.425**
D_{60} (mm)	**0.485**
D_{85} (mm)	**0.802**
D_{90} (mm)	**1.021**
C_U	**4.5**
C_C	**1.3**

Soil Description:

Grey slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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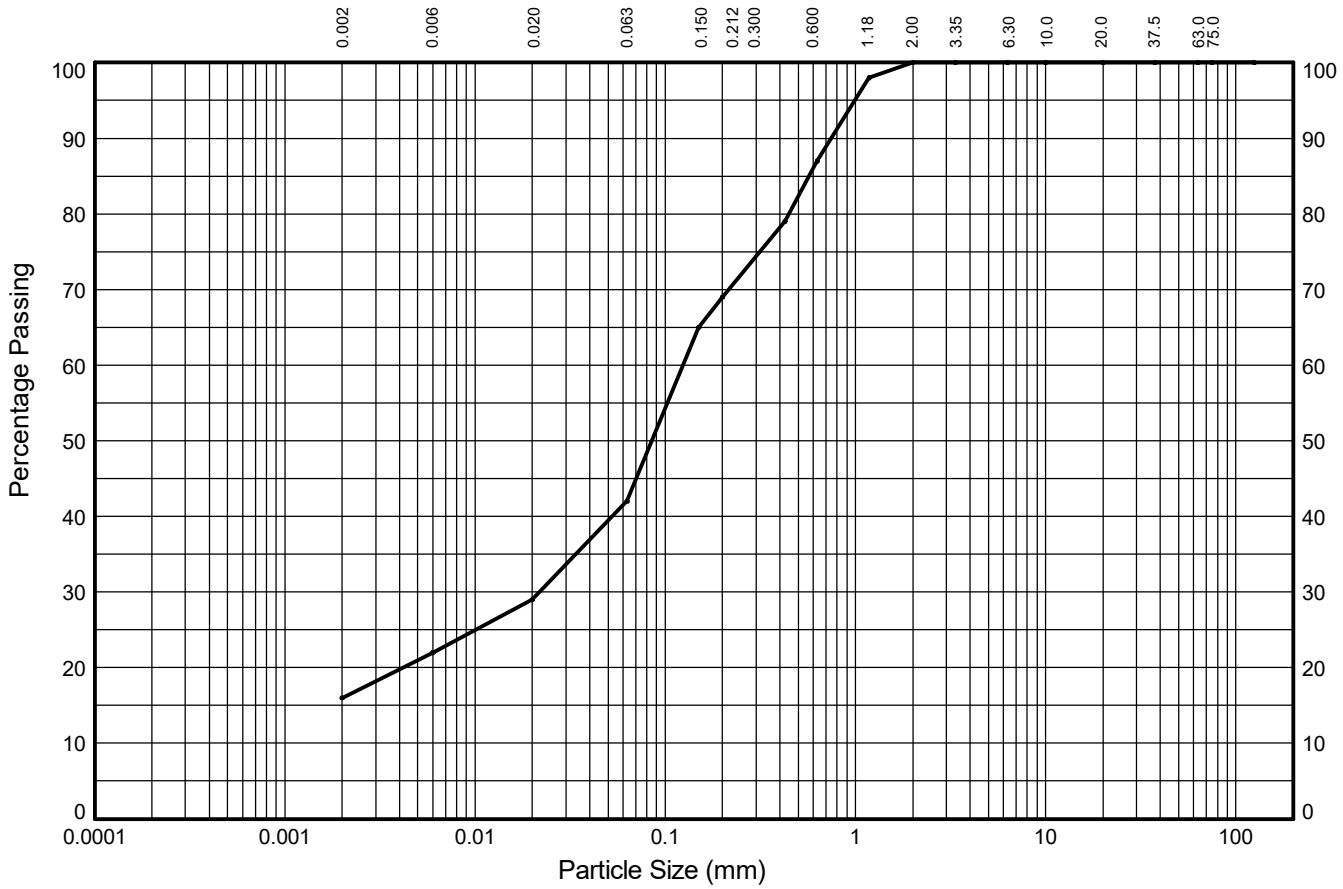
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **15** Sample Type: **C** Depth (m): **49.17**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	6%	7%	13%	27%	18%	13%	0%	0%	0%	
	SILT			SAND			GRAVEL			
16%	26%			58%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**98**
0.630	**87**
0.425	**79**
0.200	**69**
0.150	**65**
0.063	**42**

Particle Diameter (mm)	Percent Passing (%)
0.02	**29**
0.006	**22**
0.002	**16**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.022**
D_{50} (mm)	**0.085**
D_{60} (mm)	**0.124**
D_{85} (mm)	**0.571**
D_{90} (mm)	**0.748**
C_U	**NA**
C_C	**NA**

Soil Description:

Grey sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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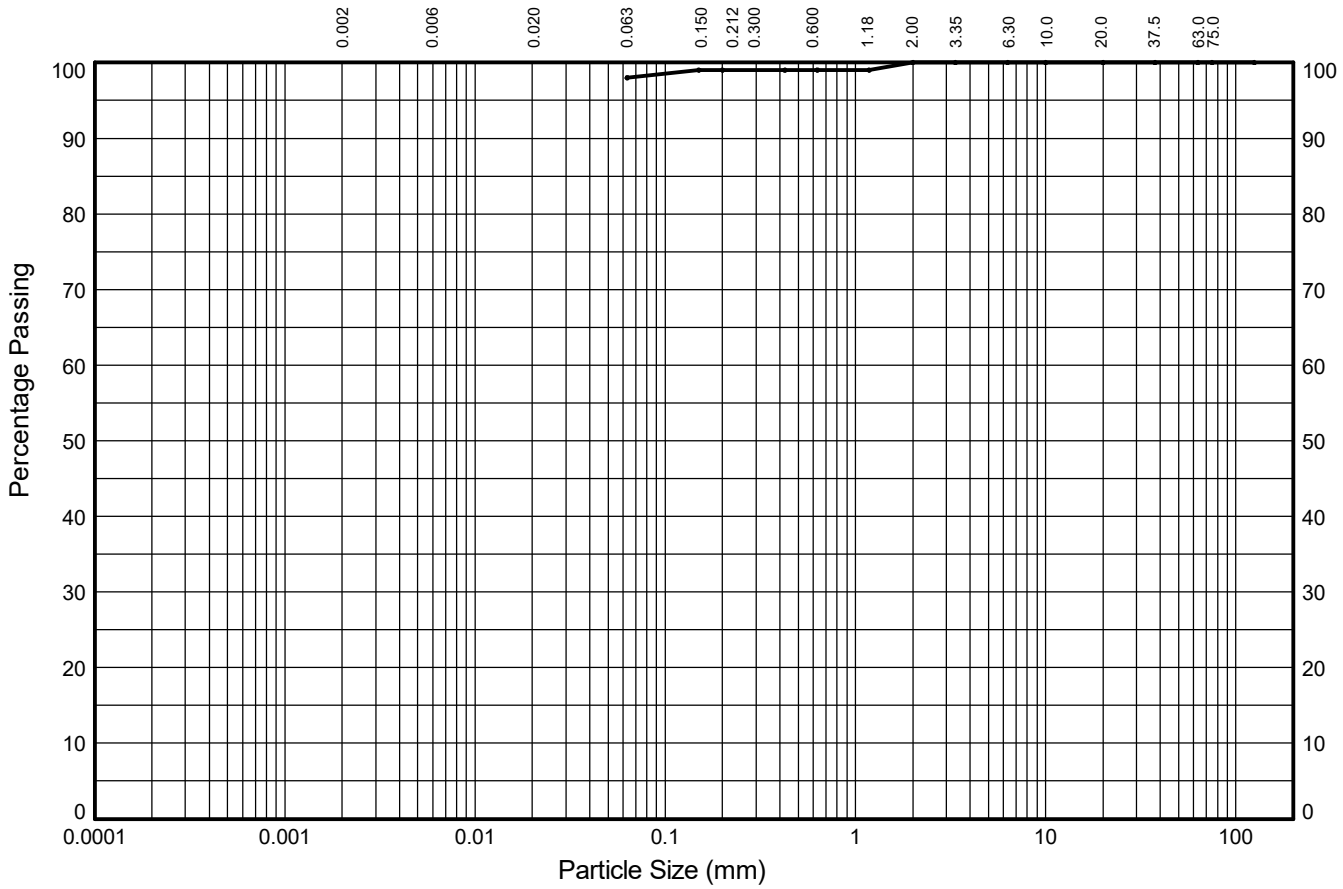
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Sizewell C Onshore GI Phase 2 2019		**734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **16** Sample Type: **C** Depth (m): **51.73**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	1%	0%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
98%				2%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**99**
0.425	**99**
0.200	**99**
0.150	**99**
0.063	**98**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**NA**
D_{90} (mm)	**NA**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Sizewell C Onshore GI Phase 2 2019	**734318**

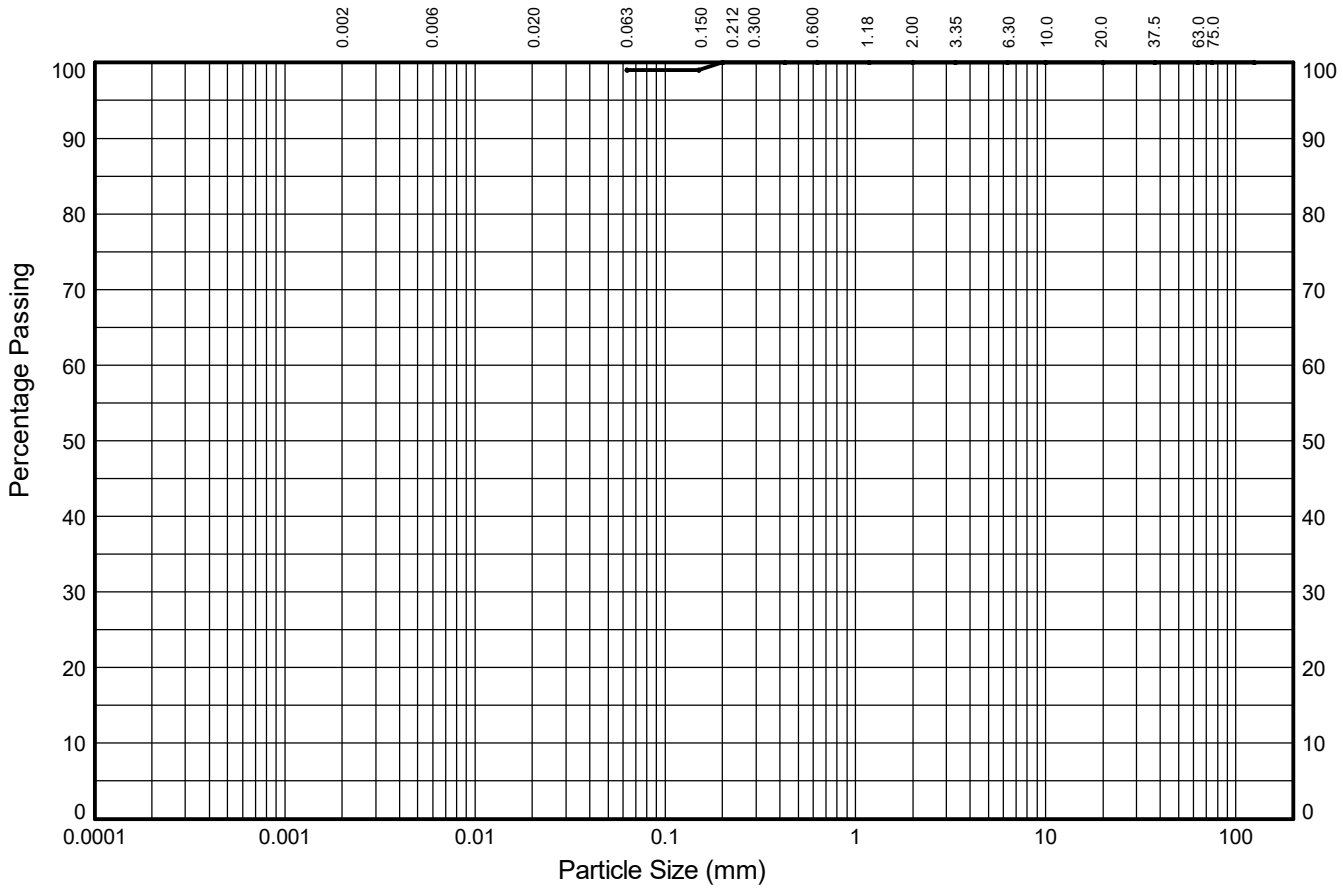
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **18** Sample Type: **C** Depth (m): **59.50**



CLAY										
fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
-	-	-	1%	0%	0%	0%	0%	0%	
SILT			SAND			GRAVEL			
99%			1%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**99**
0.063	**99**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**NA**
D_{90} (mm)	**NA**
C_U	**NA**
C_C	**NA**

Soil Description:

Brown slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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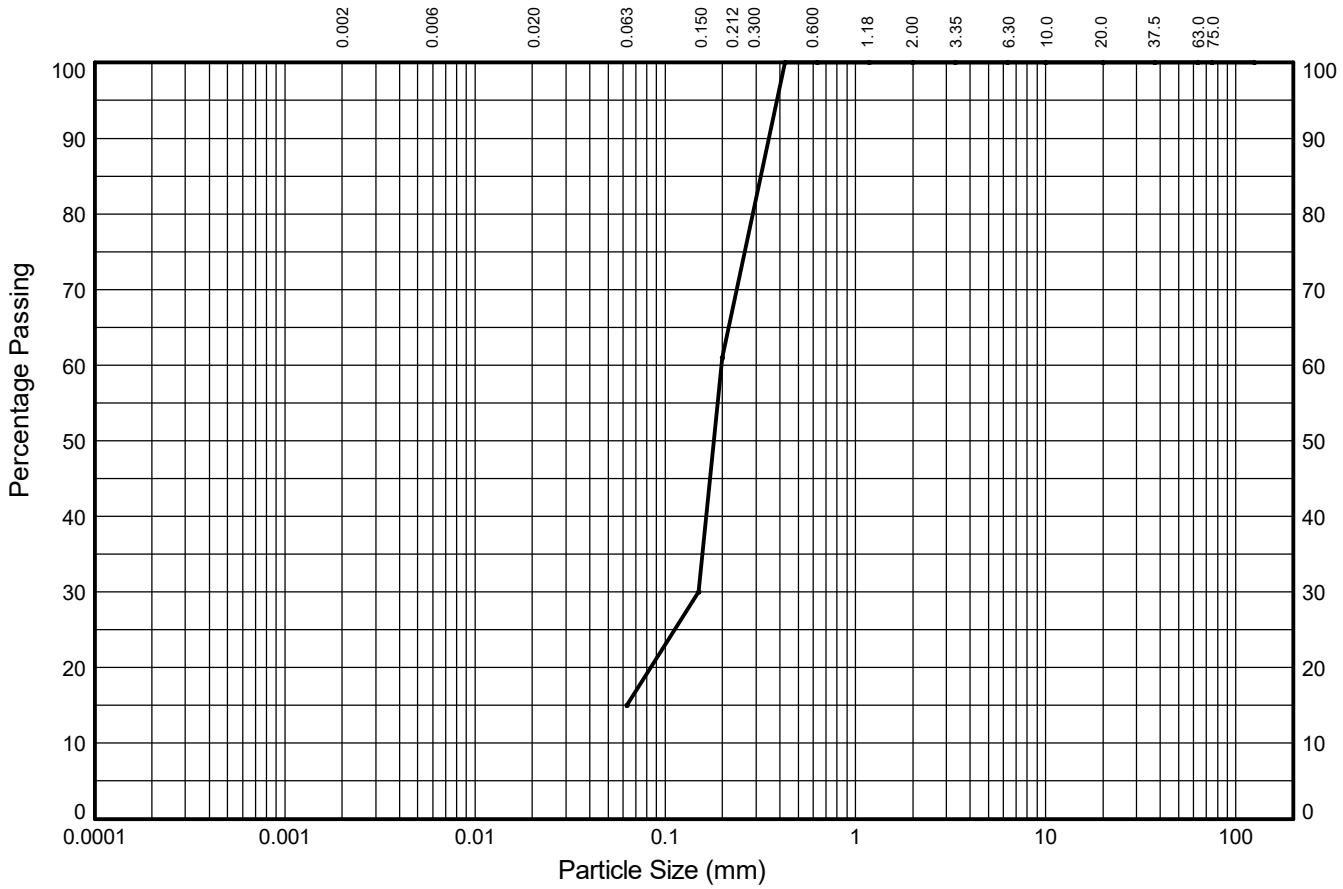
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_5** Sample Ref: **19** Sample Type: **C** Depth (m): **64.90**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	46%	39%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
15%				85%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**61**
0.150	**30**
0.063	**15**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.063**
D_{30} (mm)	**0.150**
D_{50} (mm)	**0.181**
D_{60} (mm)	**0.198**
D_{85} (mm)	**0.318**
D_{90} (mm)	**0.350**
C_U	**NA**
C_C	**NA**

Soil Description:

Brownish grey silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

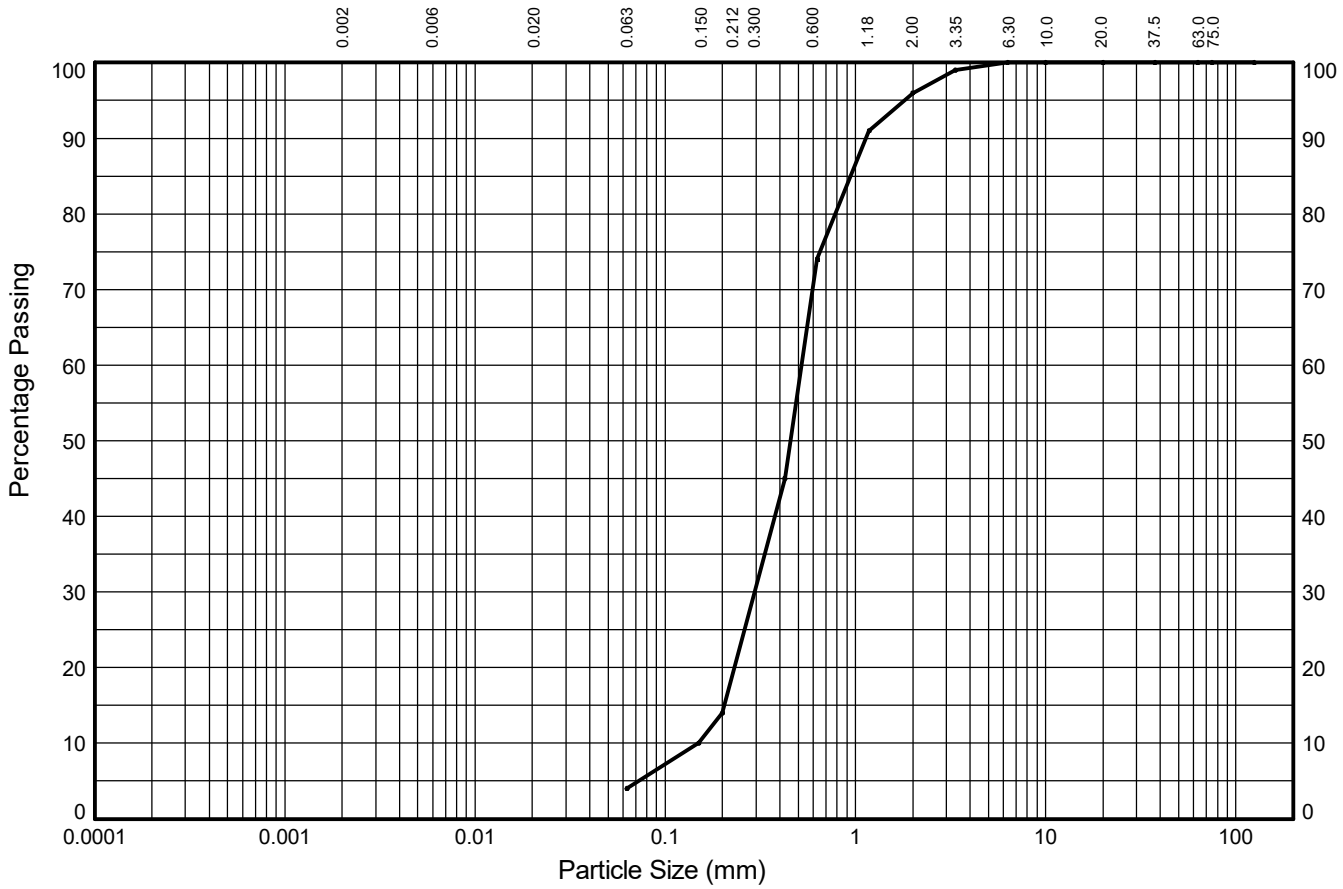
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **1** Sample Type: **C** Depth (m): **14.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	10%	60%	22%	4%	0%	0%	
	SILT			SAND			GRAVEL			
4%				92%			4%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**96**
1.18	**91**
0.630	**74**
0.425	**45**
0.200	**14**
0.150	**10**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.150**
D_{15} (mm)	**0.205**
D_{30} (mm)	**0.295**
D_{50} (mm)	**0.455**
D_{60} (mm)	**0.521**
D_{85} (mm)	**0.946**
D_{90} (mm)	**1.137**
C_U	**3.5**
C_C	**1.1**

Soil Description:

Brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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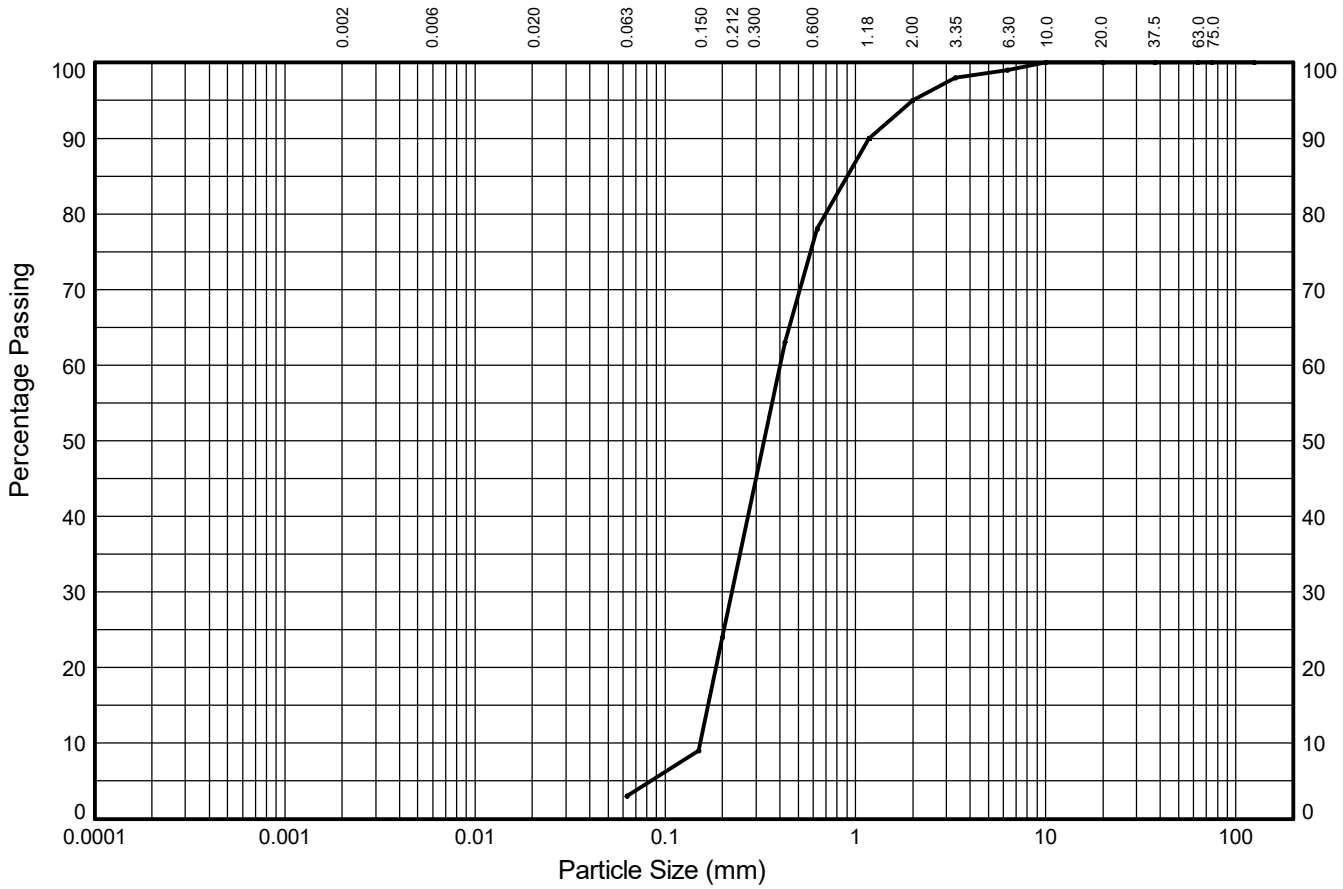
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **4** Sample Type: **C** Depth (m): **17.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	21%	54%	17%	4%	1%	0%	
	SILT			SAND			GRAVEL			
3%				92%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**95**
1.18	**90**
0.630	**78**
0.425	**63**
0.200	**24**
0.150	**9**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.153**
D_{15} (mm)	**0.168**
D_{30} (mm)	**0.225**
D_{50} (mm)	**0.331**
D_{60} (mm)	**0.401**
D_{85} (mm)	**0.908**
D_{90} (mm)	**1.180**
C_U	**2.6**
C_C	**0.82**

Soil Description:

Dark grey slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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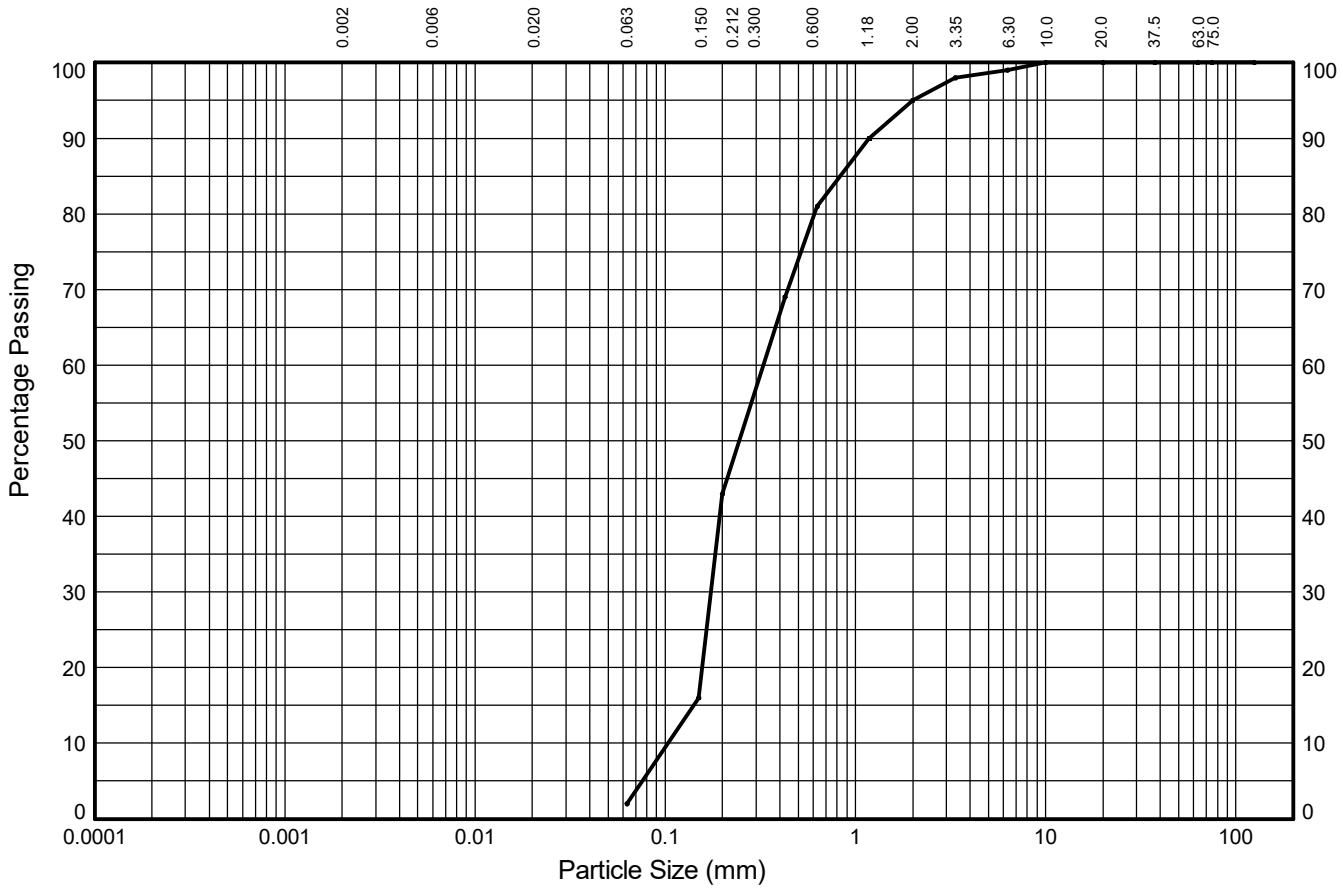
Contract Ref: **734318**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - PSD - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **6** Sample Type: **C** Depth (m): **20.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	41%	38%	14%	4%	1%	0%	
	SILT			SAND			GRAVEL			
2%				93%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**95**
1.18	**90**
0.630	**81**
0.425	**69**
0.200	**43**
0.150	**16**
0.063	**2**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.103**
D_{15} (mm)	**0.141**
D_{30} (mm)	**0.174**
D_{50} (mm)	**0.245**
D_{60} (mm)	**0.327**
D_{85} (mm)	**0.833**
D_{90} (mm)	**1.180**
C_U	**3.2**
C_C	**0.90**

Soil Description:

Greyish brown slightly gravelly slightly silty SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Sizewell C Onshore GI Phase 2 2019	**734318**

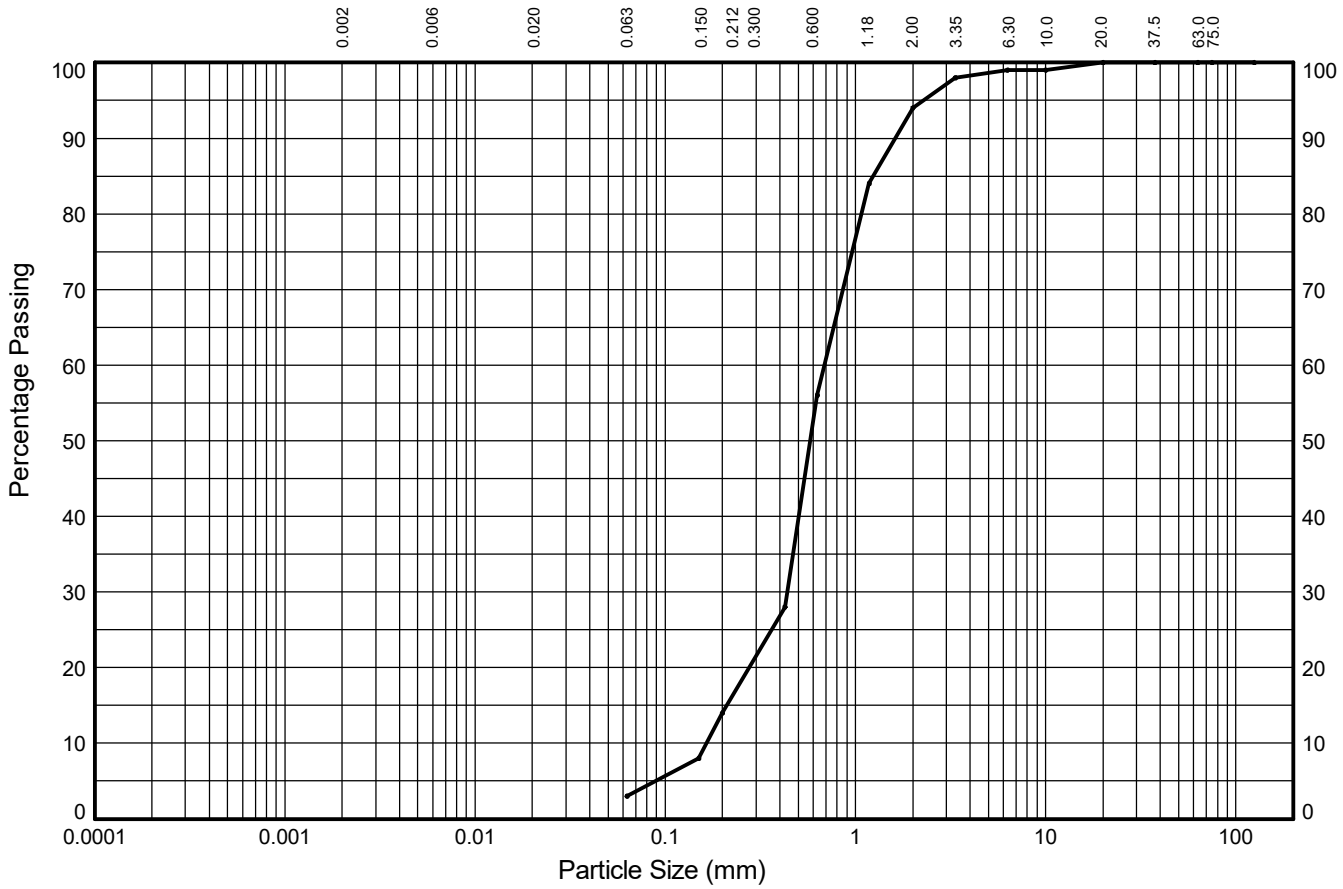
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **9** Sample Type: **C** Depth (m): **22.45**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	11%	42%	38%	5%	1%	0%	
	SILT			SAND			GRAVEL			
3%				91%			6%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**99**
3.35	**98**
2.00	**94**
1.18	**84**
0.630	**56**
0.425	**28**
0.200	**14**
0.150	**8**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.165**
D_{15} (mm)	**0.211**
D_{30} (mm)	**0.437**
D_{50} (mm)	**0.579**
D_{60} (mm)	**0.689**
D_{85} (mm)	**1.244**
D_{90} (mm)	**1.619**
C_U	**4.2**
C_C	**1.7**

Soil Description:

Dark brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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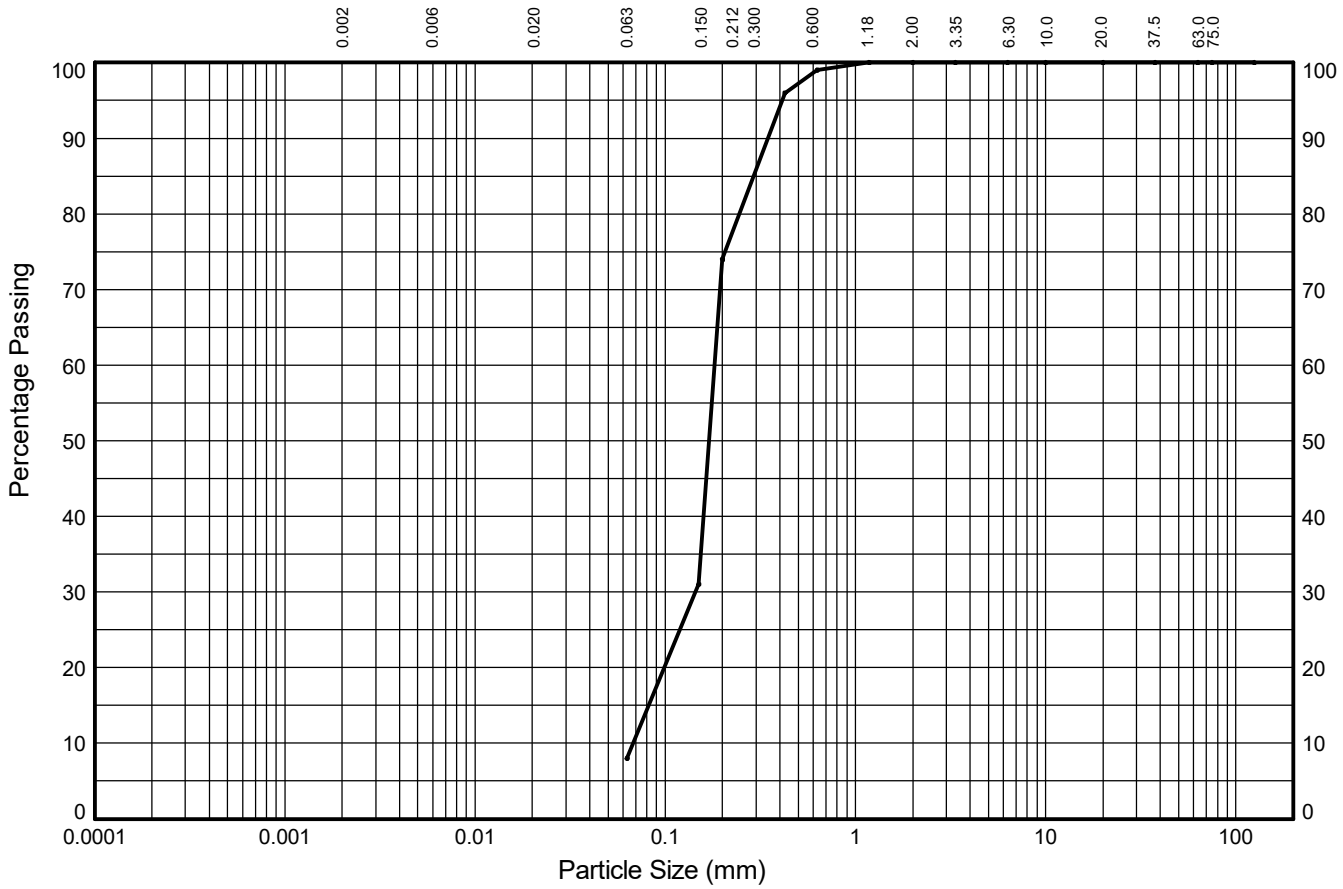
Contract Ref: **734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **10** Sample Type: **C** Depth (m): **28.45**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	66%	25%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
8%				92%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**99**
0.425	**96**
0.200	**74**
0.150	**31**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.068**
D_{15} (mm)	**0.082**
D_{30} (mm)	**0.144**
D_{50} (mm)	**0.170**
D_{60} (mm)	**0.182**
D_{85} (mm)	**0.292**
D_{90} (mm)	**0.346**
C_U	**2.7**
C_C	**1.7**

Soil Description:

Dark grey silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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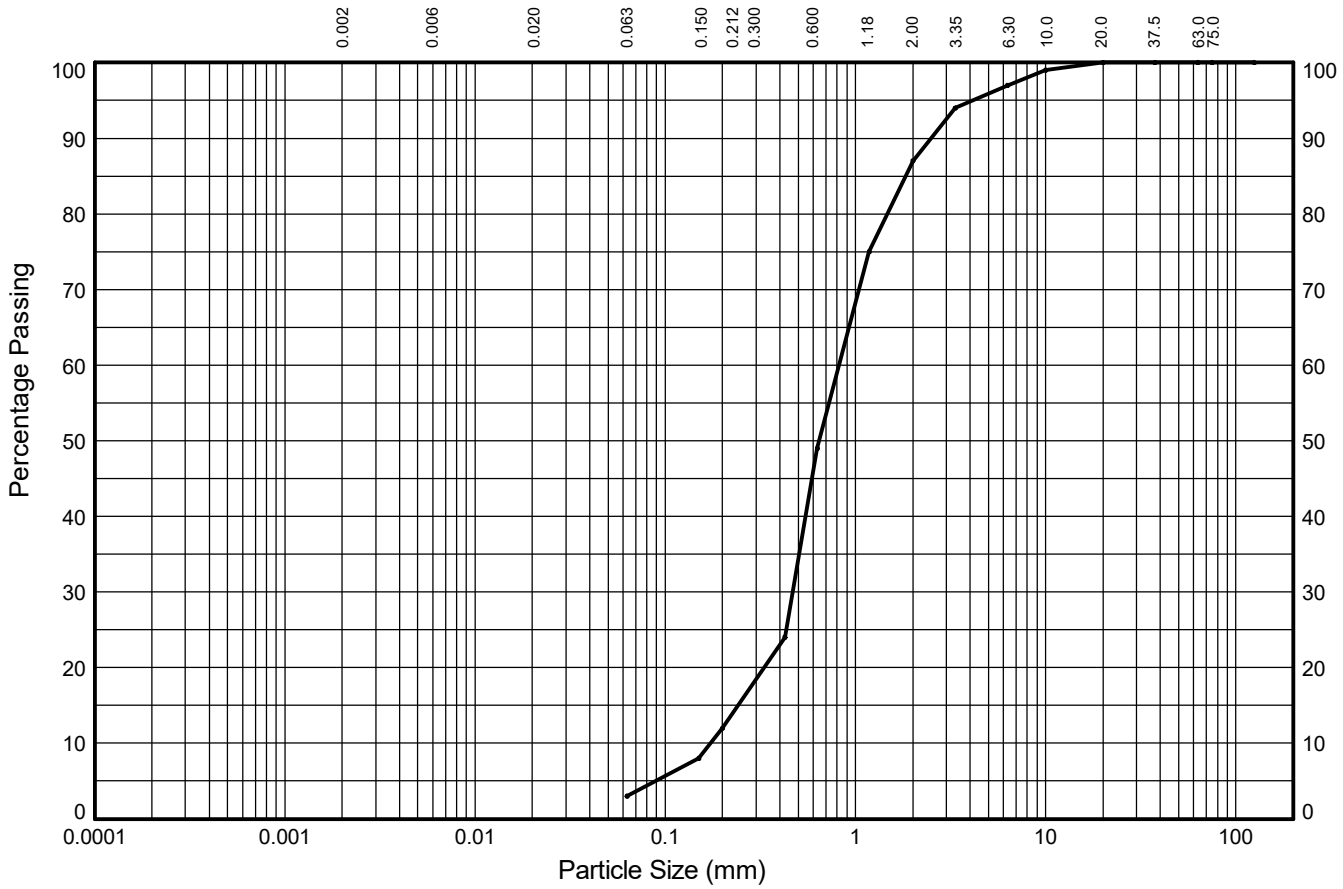
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **14** Sample Type: **C** Depth (m): **34.45**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	9%	37%	38%	10%	3%	0%	
	SILT			SAND			GRAVEL			
3%				84%			13%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**97**
3.35	**94**
2.00	**87**
1.18	**75**
0.630	**49**
0.425	**24**
0.200	**12**
0.150	**8**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.173**
D_{15} (mm)	**0.241**
D_{30} (mm)	**0.467**
D_{50} (mm)	**0.645**
D_{60} (mm)	**0.822**
D_{85} (mm)	**1.832**
D_{90} (mm)	**2.495**
C_U	**4.7**
C_C	**1.5**

Soil Description:

Dark grey gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

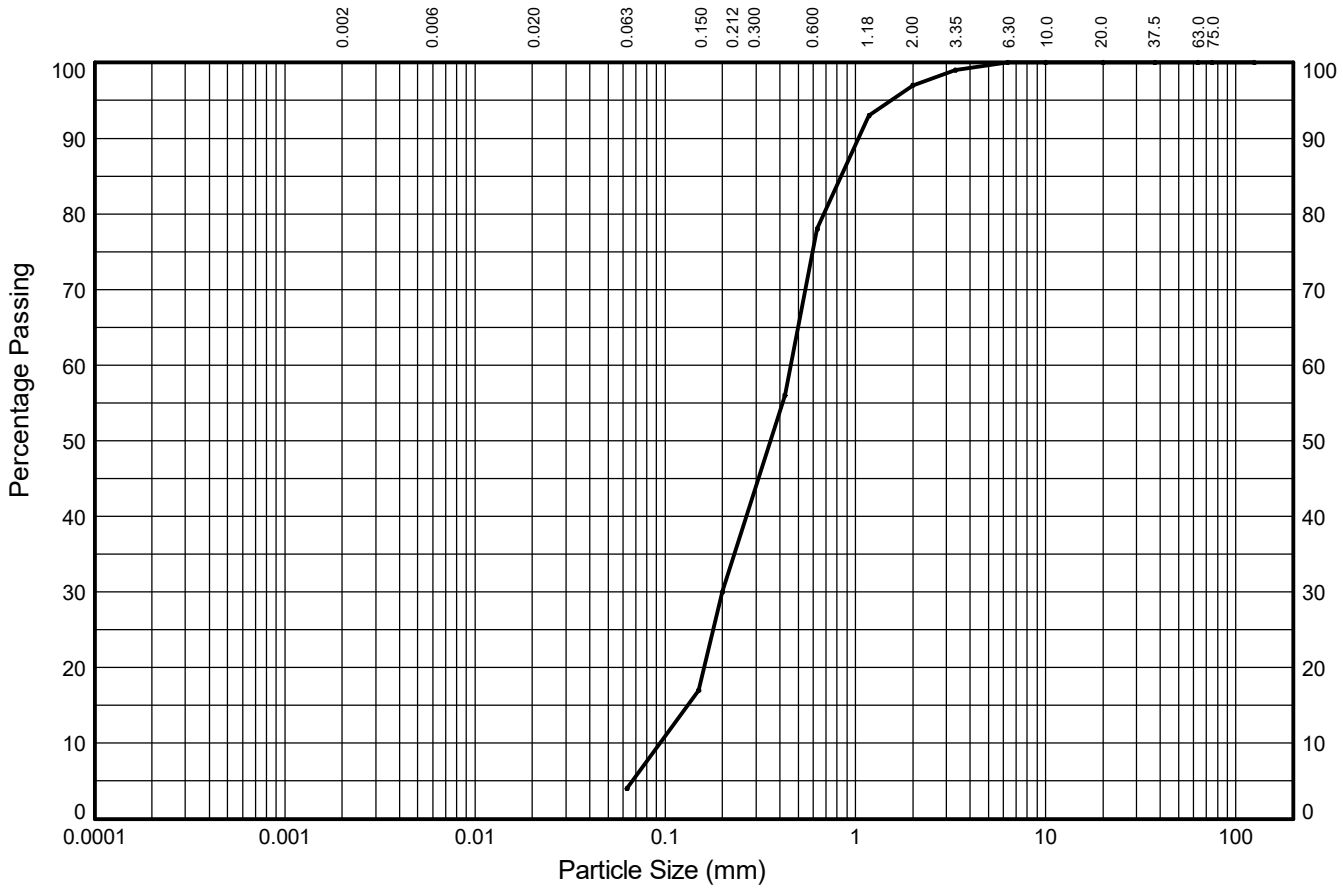
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **16** Sample Type: **C** Depth (m): **37.45**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	26%	48%	19%	3%	0%	0%	
	SILT			SAND			GRAVEL			
4%				93%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**97**
1.18	**93**
0.630	**78**
0.425	**56**
0.200	**30**
0.150	**17**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.094**
D_{15} (mm)	**0.131**
D_{30} (mm)	**0.200**
D_{50} (mm)	**0.357**
D_{60} (mm)	**0.457**
D_{85} (mm)	**0.844**
D_{90} (mm)	**1.041**
C_U	**4.9**
C_C	**0.93**

Soil Description:

Dark grey slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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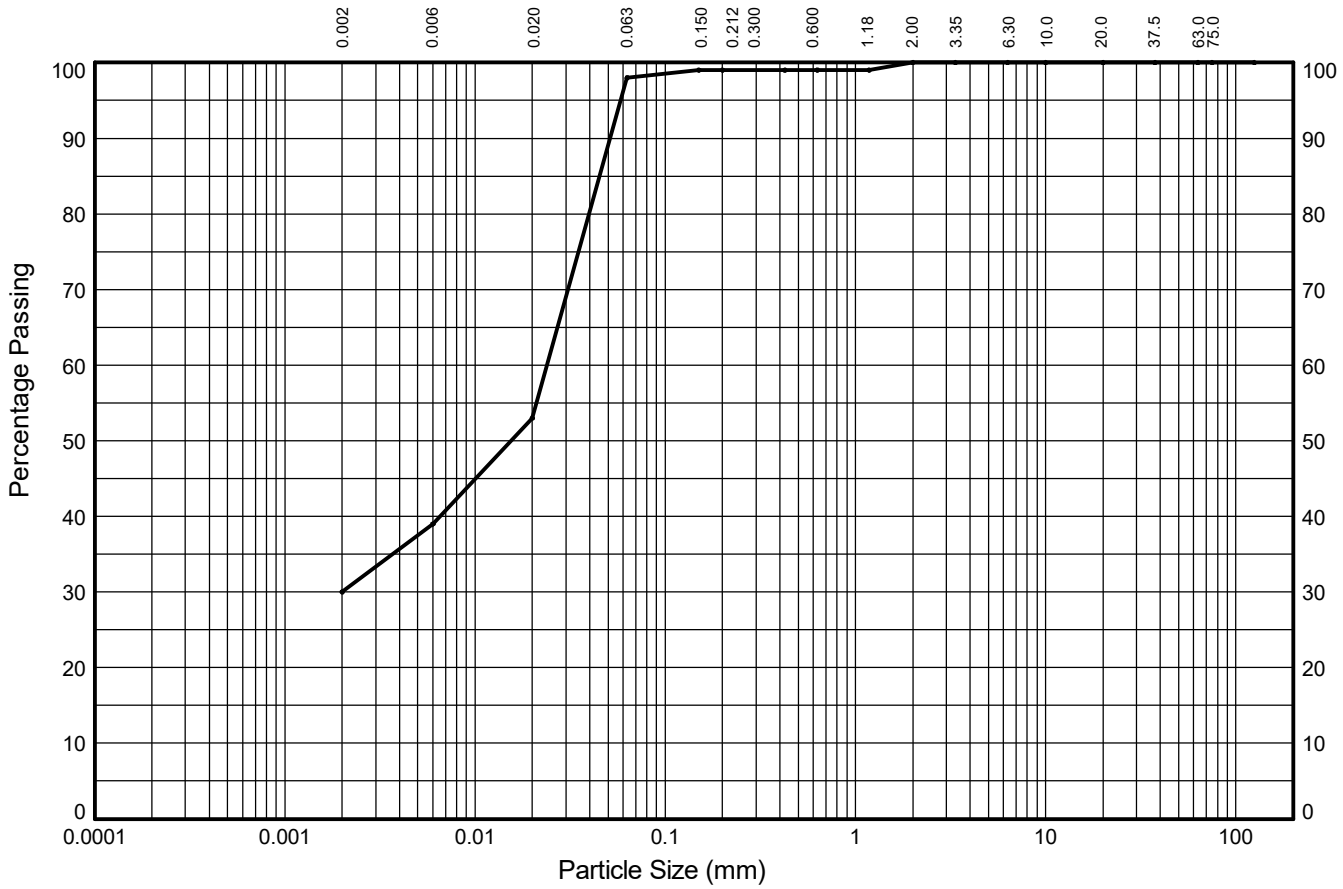
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **17** Sample Type: **C** Depth (m): **46.70**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	9%	14%	45%	1%	0%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
30%	68%			2%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**99**
0.425	**99**
0.200	**99**
0.150	**99**
0.063	**98**

Particle Diameter (mm)	Percent Passing (%)
0.02	**53**
0.006	**39**
0.002	**30**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.002**
D_{50} (mm)	**0.015**
D_{60} (mm)	**0.024**
D_{85} (mm)	**0.045**
D_{90} (mm)	**0.051**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **22** Sample Type: **C** Depth (m): **53.51**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	10%	20%	16%	0%	1%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
53%	46%			1%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**99**
0.200	**99**
0.150	**99**
0.063	**99**

Particle Diameter (mm)	Percent Passing (%)
0.02	**83**
0.006	**63**
0.002	**53**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**0.004**
D_{85} (mm)	**0.023**
D_{90} (mm)	**0.033**
C_U	**NA**
C_C	**NA**

Soil Description:

Brown slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

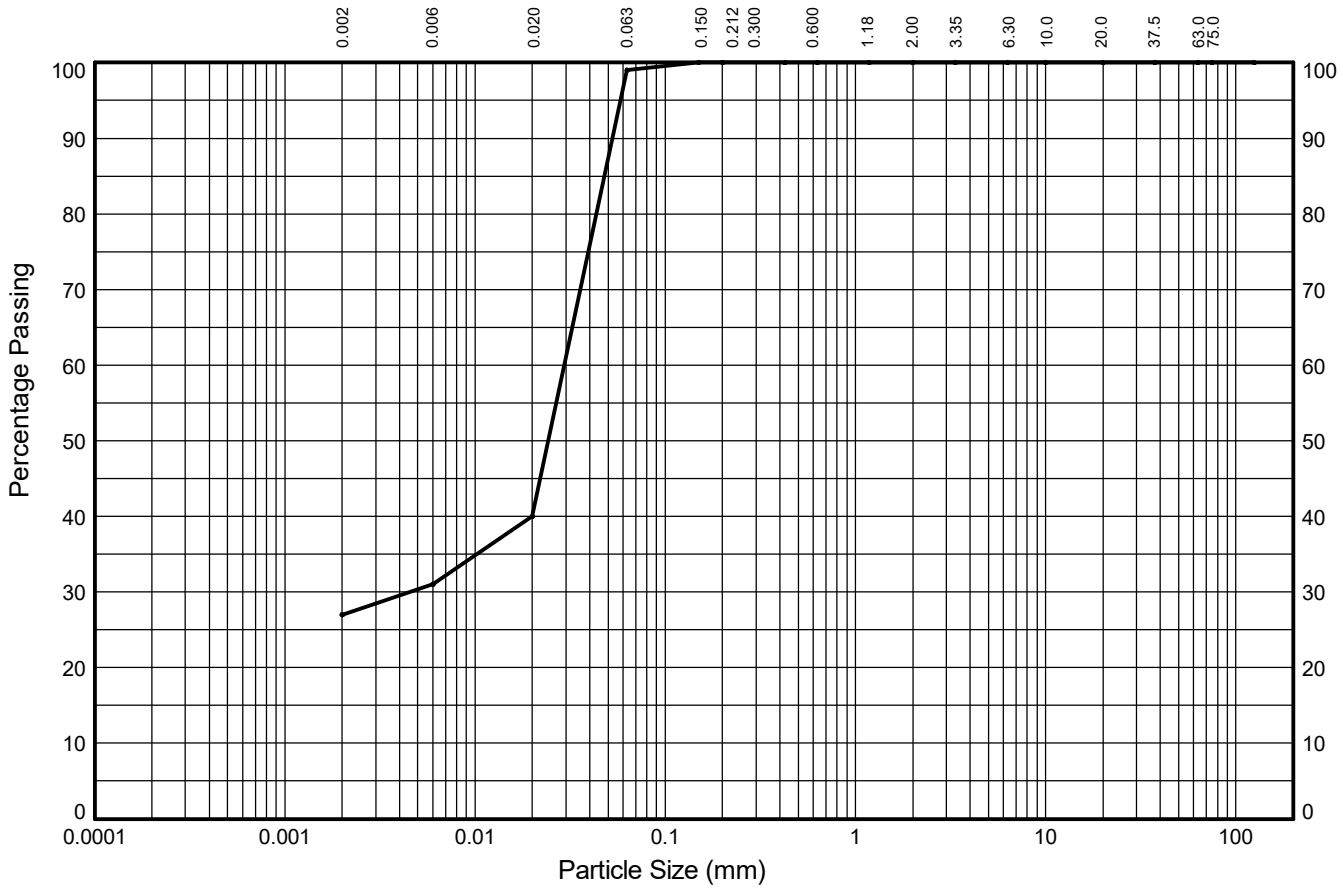
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **26** Sample Type: **C** Depth (m): **55.70**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	4%	9%	59%	1%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
27%	72%			1%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**99**

Particle Diameter (mm)	Percent Passing (%)
0.02	**40**
0.006	**31**
0.002	**27**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.005**
D_{50} (mm)	**0.024**
D_{60} (mm)	**0.030**
D_{85} (mm)	**0.048**
D_{90} (mm)	**0.053**
C_U	**NA**
C_C	**NA**

Soil Description:

Brown slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

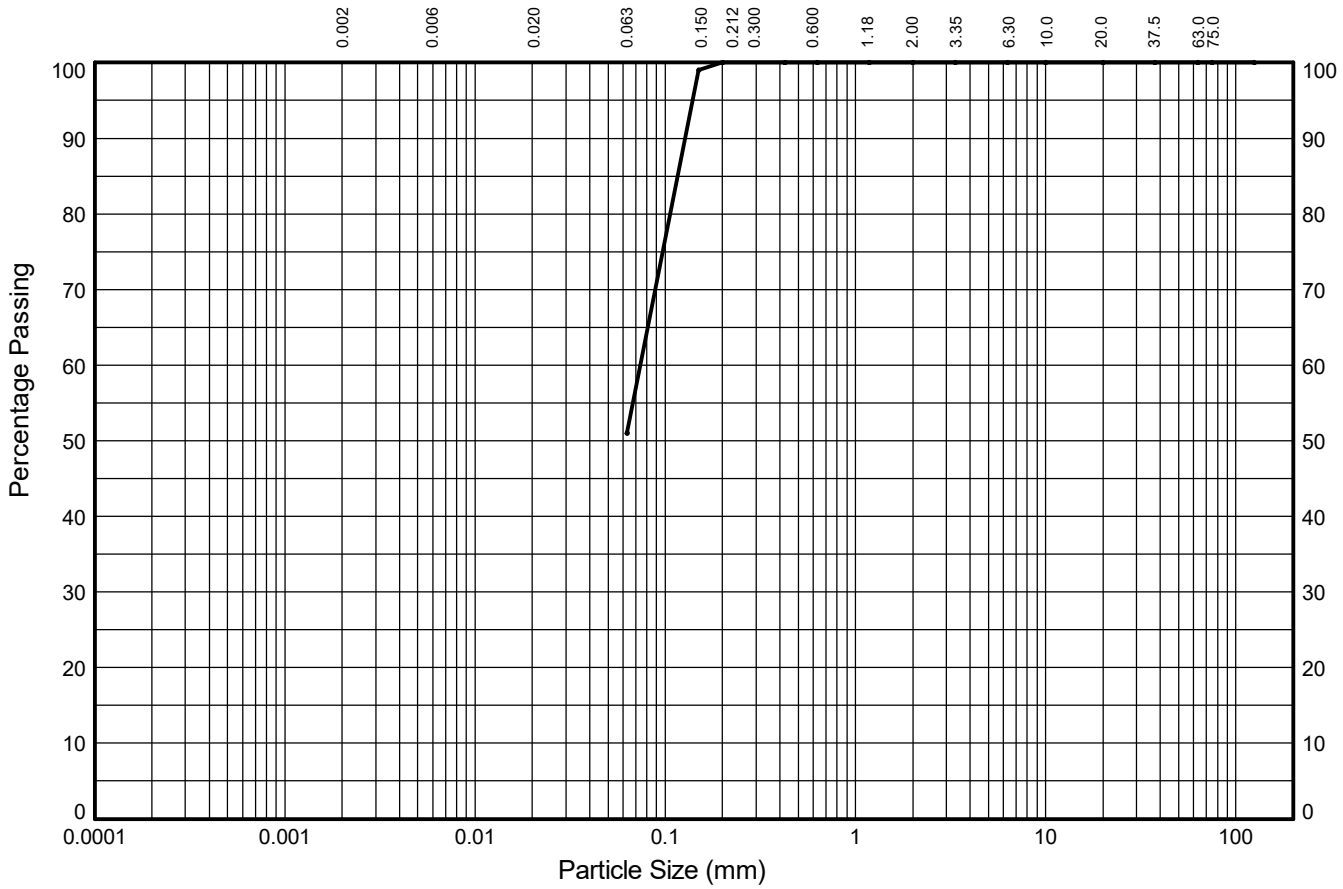
AGS

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **15** Sample Type: **D** Depth (m): **56.60**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	49%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
51%				49%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**99**
0.063	**51**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**0.074**
D_{85} (mm)	**0.116**
D_{90} (mm)	**0.127**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By: [redacted] **CONNEL MCLAUGHLIN** Date: **07/03/20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

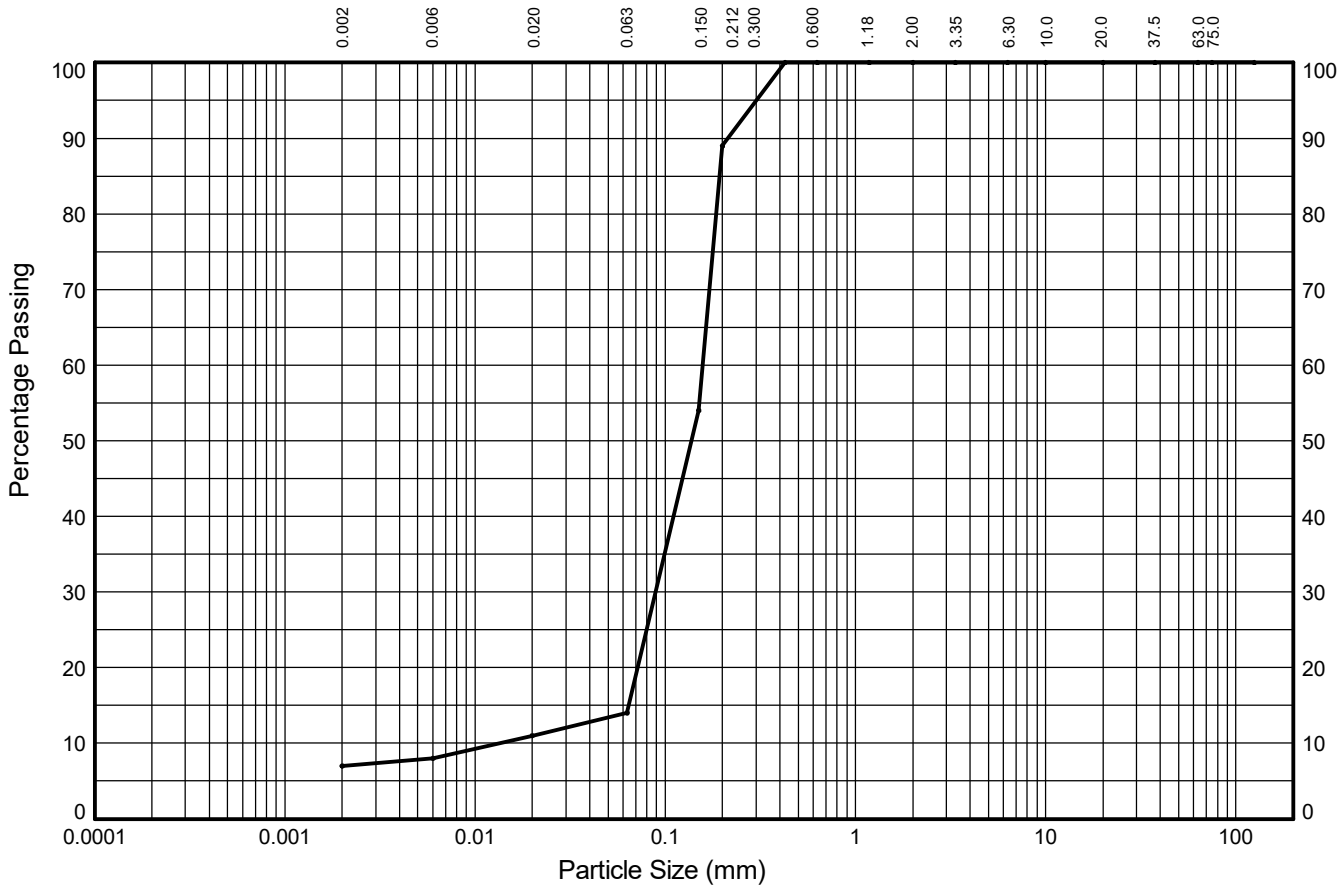
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **16** Sample Type: **D** Depth (m): **58.45**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	1%	3%	3%	75%	11%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
7%	7%			86%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**89**
0.150	**54**
0.063	**14**

Particle Diameter (mm)	Percent Passing (%)
0.02	**11**
0.006	**8**
0.002	**7**

Sedimentation sample was pre-treated

Coefficients	
D_{10} (mm)	**0.013**
D_{15} (mm)	**0.064**
D_{30} (mm)	**0.089**
D_{50} (mm)	**0.138**
D_{60} (mm)	**0.158**
D_{85} (mm)	**0.194**
D_{90} (mm)	**0.214**
C_U	**12**
C_C	**4**

Soil Description:

Brownish grey clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted]	**THOMAS DAVIES**	**23/04/20**

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Sizewell C Onshore GI Phase 2 2019	**734318**

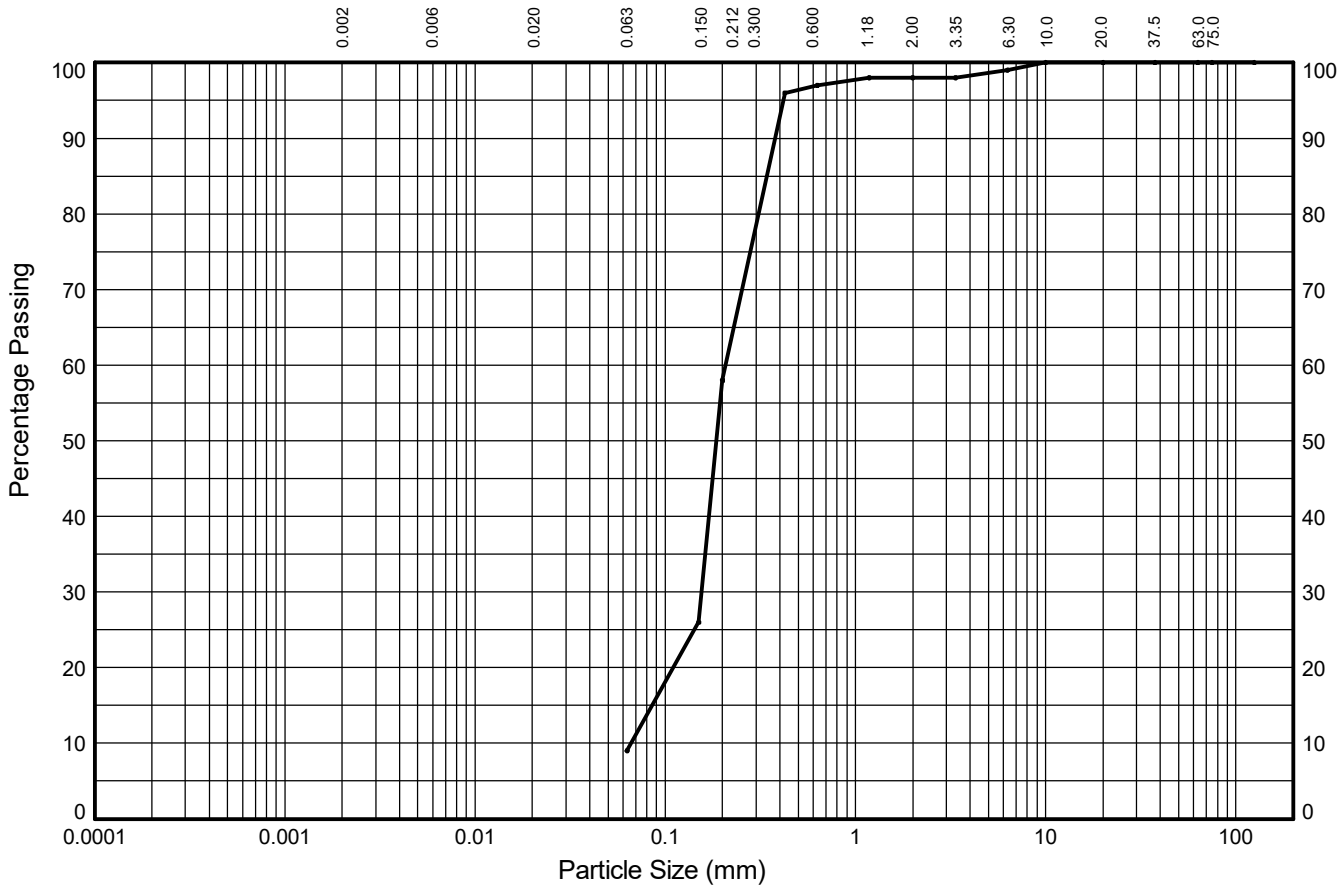
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **28** Sample Type: **C** Depth (m): **61.45**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	49%	39%	1%	1%	1%	0%	
	SILT			SAND			GRAVEL			
9%				89%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**98**
1.18	**98**
0.630	**97**
0.425	**96**
0.200	**58**
0.150	**26**
0.063	**9**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.066**
D_{15} (mm)	**0.086**
D_{30} (mm)	**0.155**
D_{50} (mm)	**0.186**
D_{60} (mm)	**0.208**
D_{85} (mm)	**0.342**
D_{90} (mm)	**0.377**
C_U	**3.1**
C_C	**1.8**

Soil Description:

Dark brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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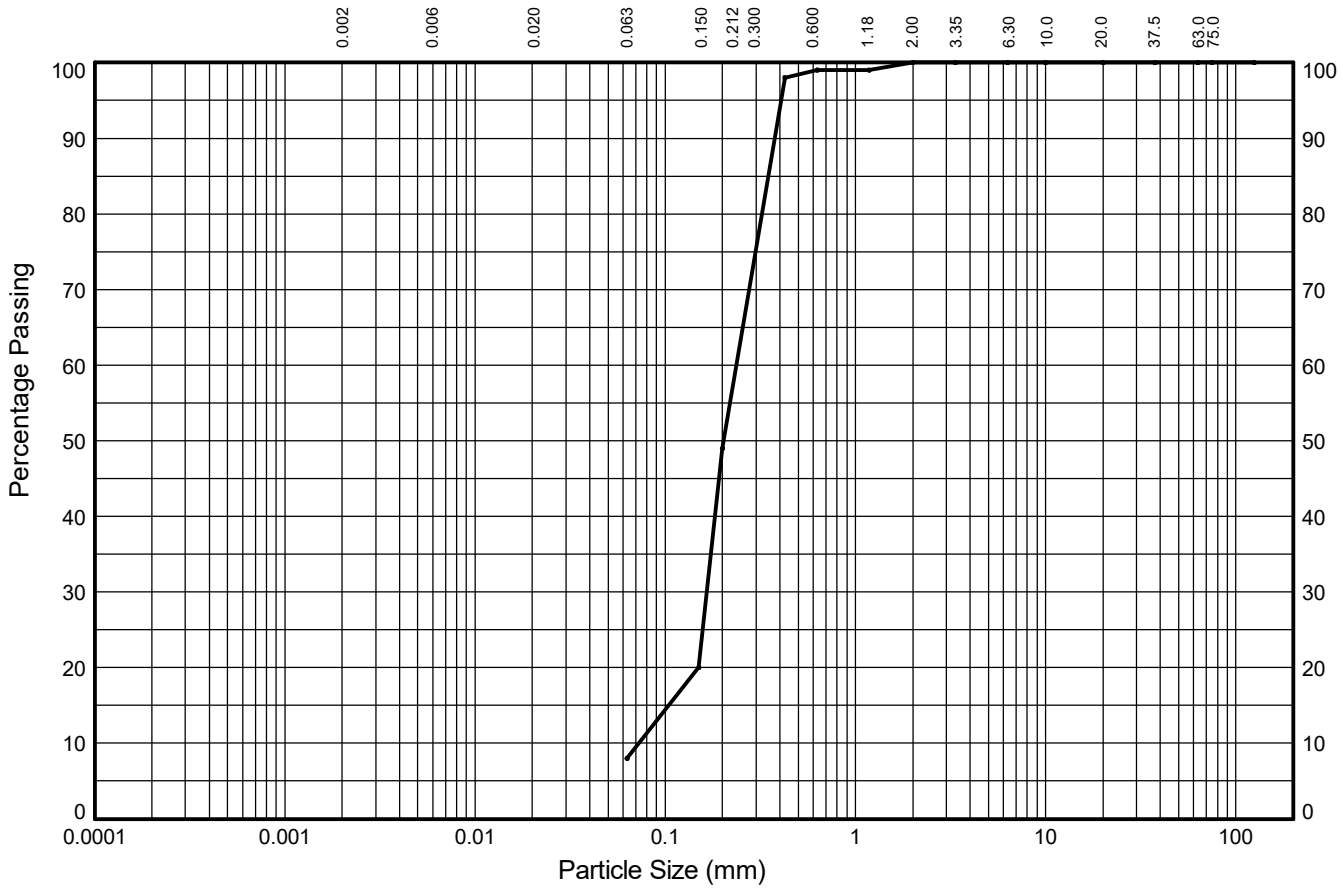
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **30** Sample Type: **C** Depth (m): **62.95**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	41%	50%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
8%				92%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**99**
0.425	**98**
0.200	**49**
0.150	**20**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.073**
D_{15} (mm)	**0.104**
D_{30} (mm)	**0.166**
D_{50} (mm)	**0.203**
D_{60} (mm)	**0.237**
D_{85} (mm)	**0.348**
D_{90} (mm)	**0.376**
C_U	**3.3**
C_C	**1.6**

Soil Description:

Dark greyish brown silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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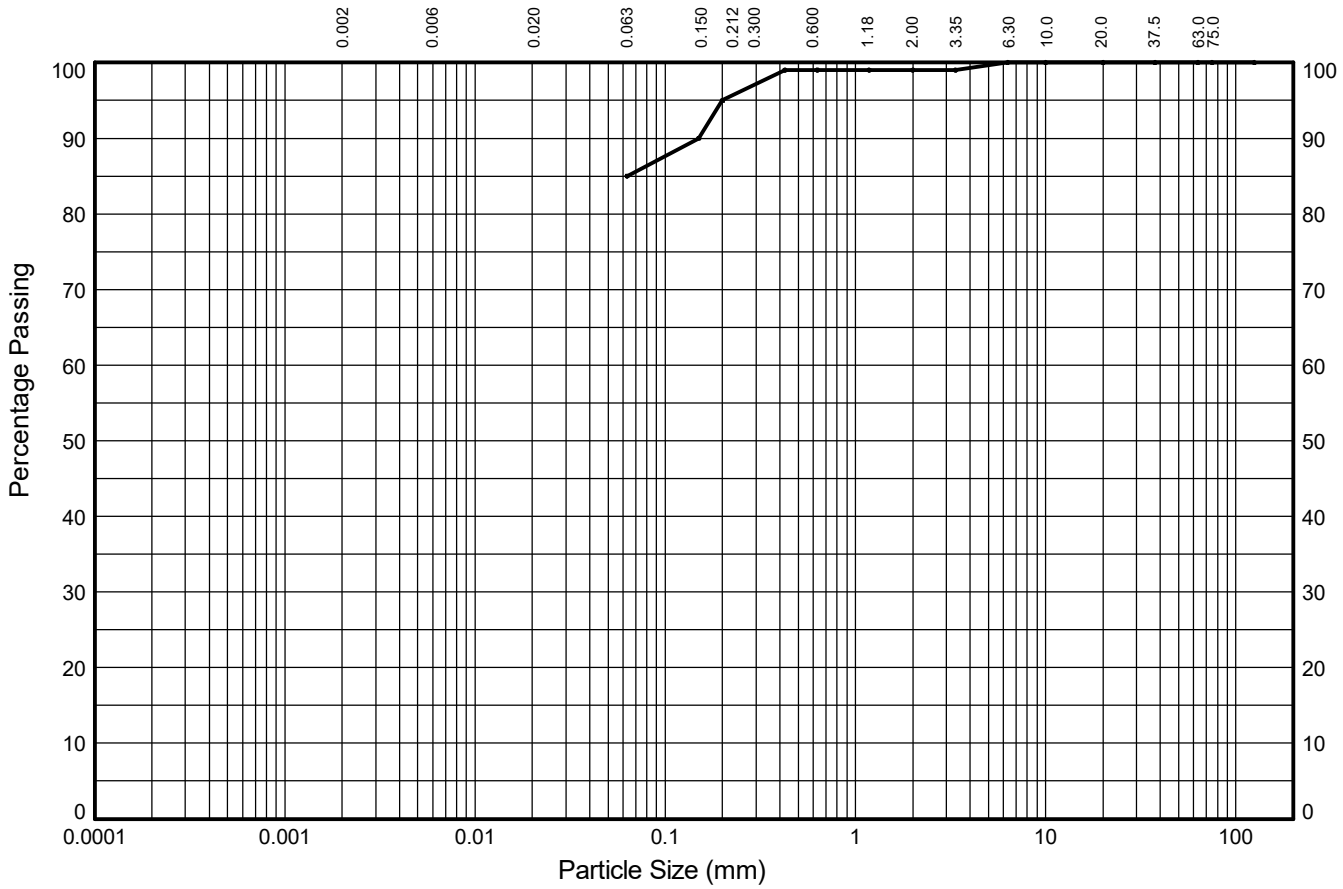
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **31** Sample Type: **C** Depth (m): **65.95**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	10%	4%	0%	1%	0%	0%	
	SILT			SAND			GRAVEL			
85%				14%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**99**
1.18	**99**
0.630	**99**
0.425	**99**
0.200	**95**
0.150	**90**
0.063	**85**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**0.063**
D_{90} (mm)	**0.150**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown slightly gravelly slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted] DAISY RICHARDS	23/04/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

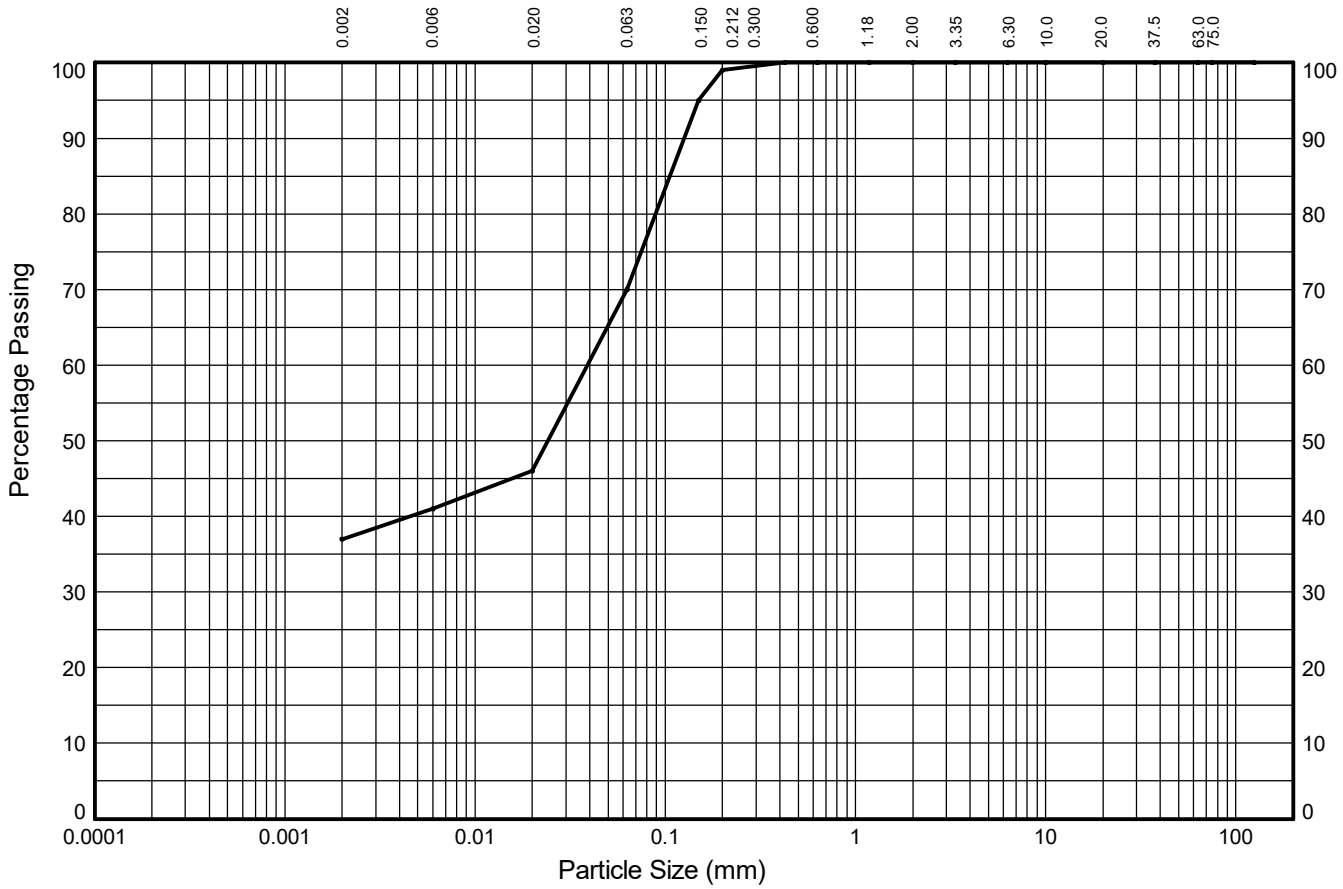
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **32** Sample Type: **C** Depth (m): **67.08**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	4%	5%	24%	29%	1%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
37%	33%			30%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**99**
0.150	**95**
0.063	**70**

Particle Diameter (mm)	Percent Passing (%)
0.02	**46**
0.006	**41**
0.002	**37**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.024**
D_{60} (mm)	**0.039**
D_{85} (mm)	**0.106**
D_{90} (mm)	**0.126**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark grey slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **35** Sample Type: **C** Depth (m): **69.70**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	7%	10%	17%	39%	2%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
25%	34%			41%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**99**
0.200	**98**
0.150	**98**
0.063	**59**

Particle Diameter (mm)	Percent Passing (%)
0.02	**42**
0.006	**32**
0.002	**25**

Sedimentation sample was pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.004**
D_{50} (mm)	**0.034**
D_{60} (mm)	**0.064**
D_{85} (mm)	**0.112**
D_{90} (mm)	**0.126**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark greenish grey sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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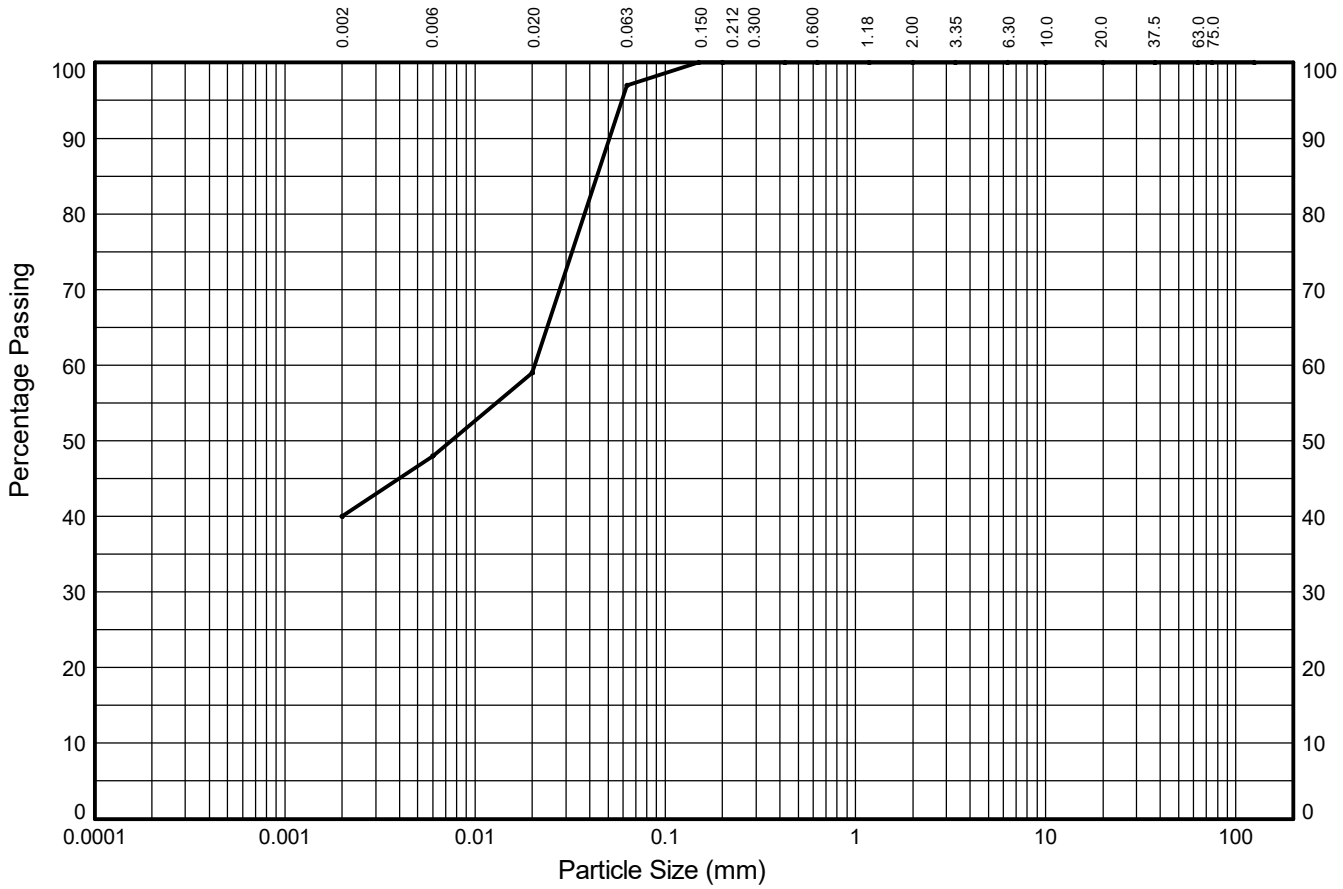
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **19** Sample Type: **D** Depth (m): **71.05**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	8%	11%	38%	3%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
40%	57%			3%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**97**

Particle Diameter (mm)	Percent Passing (%)
0.02	**59**
0.006	**48**
0.002	**40**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.007**
D_{60} (mm)	**0.021**
D_{85} (mm)	**0.044**
D_{90} (mm)	**0.051**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark brown slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted] DAISY RICHARDS	23/04/20

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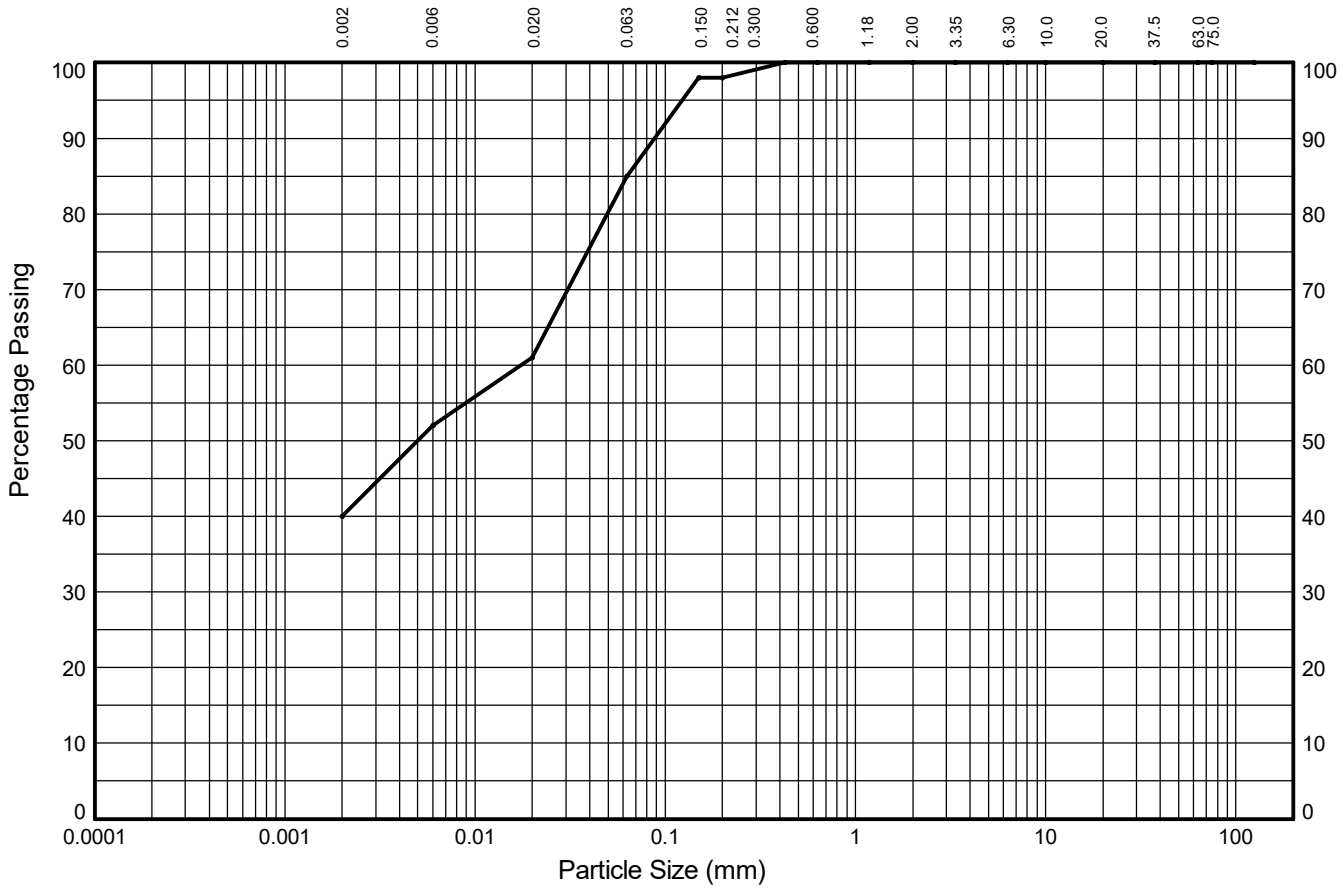
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **43** Sample Type: **C** Depth (m): **76.16**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	12%	9%	24%	13%	2%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
40%	45%			15%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**98**
0.150	**98**
0.063	**85**

Particle Diameter (mm)	Percent Passing (%)
0.02	**61**
0.006	**52**
0.002	**40**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.005**
D_{60} (mm)	**0.017**
D_{85} (mm)	**0.063**
D_{90} (mm)	**0.088**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark grey slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By	Date
[redacted] FRANCESCA BENNETT	23/04/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_6** Sample Ref: **21** Sample Type: **D** Depth (m): **80.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	14%	18%	41%	1%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
26%	73%			1%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**99**

Particle Diameter (mm)	Percent Passing (%)
0.02	**58**
0.006	**40**
0.002	**26**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.003**
D_{50} (mm)	**0.012**
D_{60} (mm)	**0.021**
D_{85} (mm)	**0.043**
D_{90} (mm)	**0.049**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark reddish brown slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By	Date
[redacted] DAISY RICHARDS	23/04/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

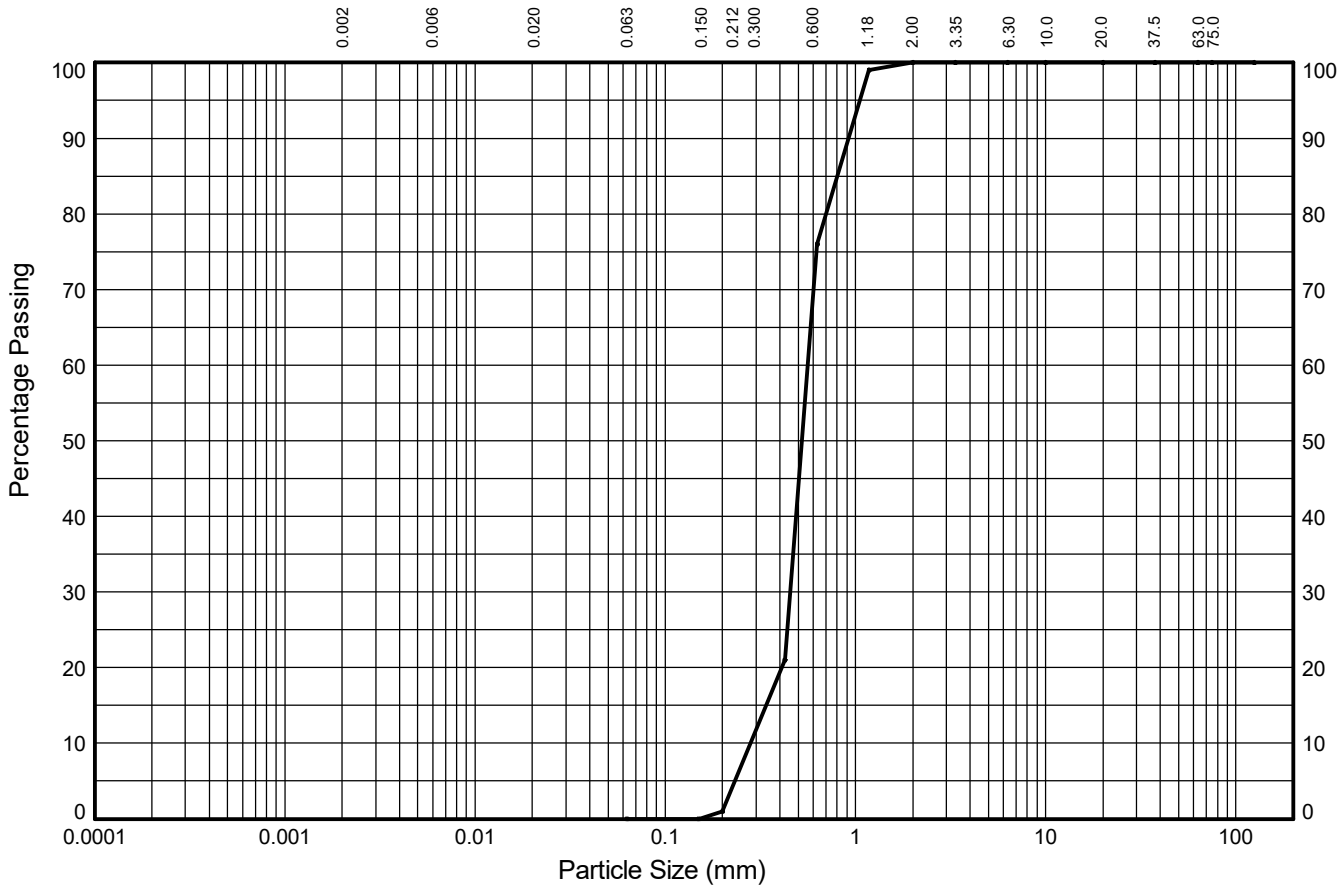
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **2** Sample Type: **C** Depth (m): **18.25**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	1%	75%	24%	0%	0%	0%	
	SILT			SAND			GRAVEL			
0%				100%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**76**
0.425	**21**
0.200	**1**
0.150	**0**
0.063	**0**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.281**
D_{15} (mm)	**0.339**
D_{30} (mm)	**0.453**
D_{50} (mm)	**0.523**
D_{60} (mm)	**0.562**
D_{85} (mm)	**0.805**
D_{90} (mm)	**0.923**
C_U	**2.0**
C_C	**1.3**

Soil Description:

Brown SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted] FRANCESCA BENNETT	23/04/20

Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

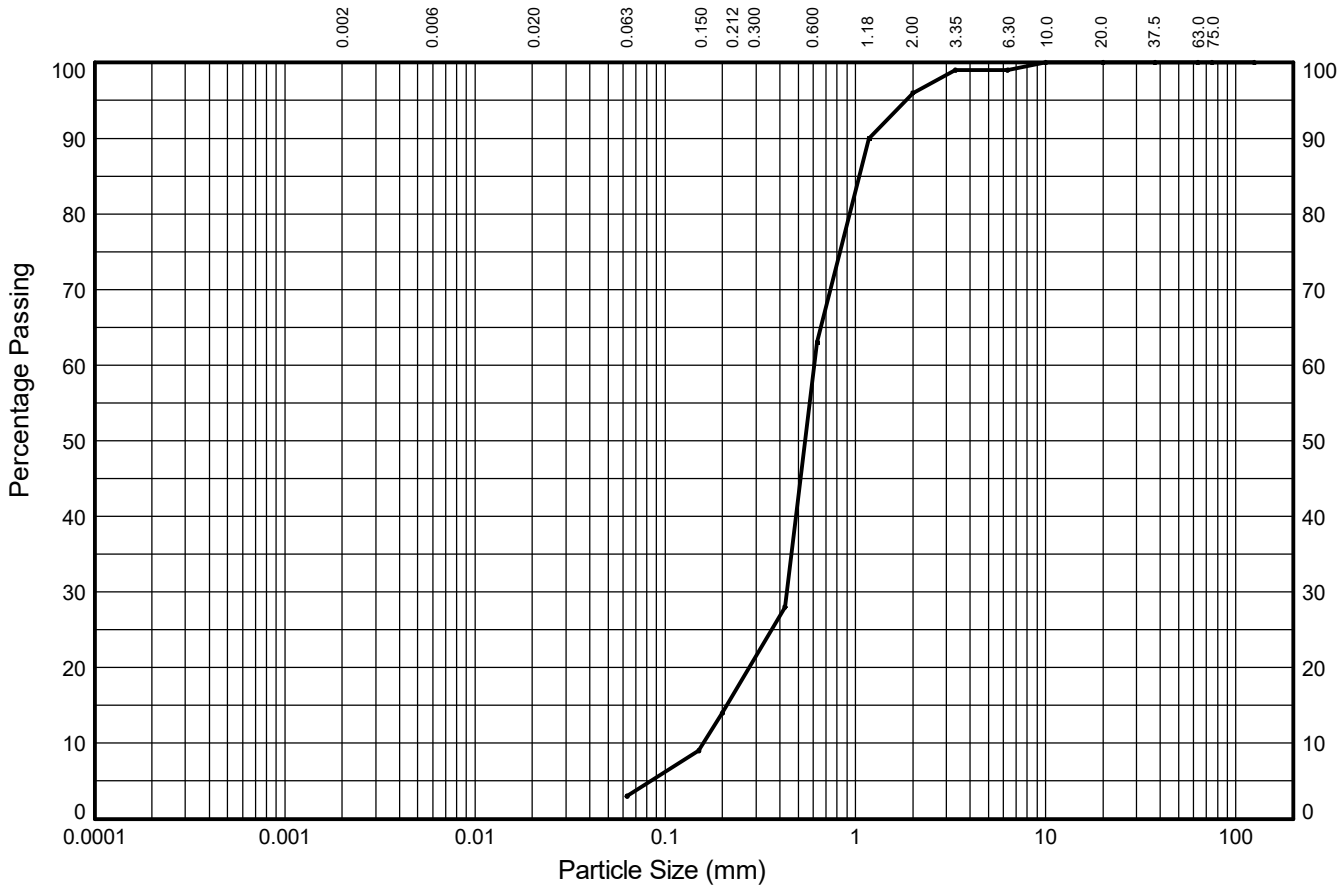
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **7** Sample Type: **C** Depth (m): **23.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	11%	49%	33%	3%	1%	0%	
	SILT			SAND			GRAVEL			
3%				93%			4%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**99**
2.00	**96**
1.18	**90**
0.630	**63**
0.425	**28**
0.200	**14**
0.150	**9**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.159**
D_{15} (mm)	**0.211**
D_{30} (mm)	**0.435**
D_{50} (mm)	**0.544**
D_{60} (mm)	**0.609**
D_{85} (mm)	**1.051**
D_{90} (mm)	**1.180**
C_U	**3.8**
C_C	**2.0**

Soil Description:

Grey mottled yellowish brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

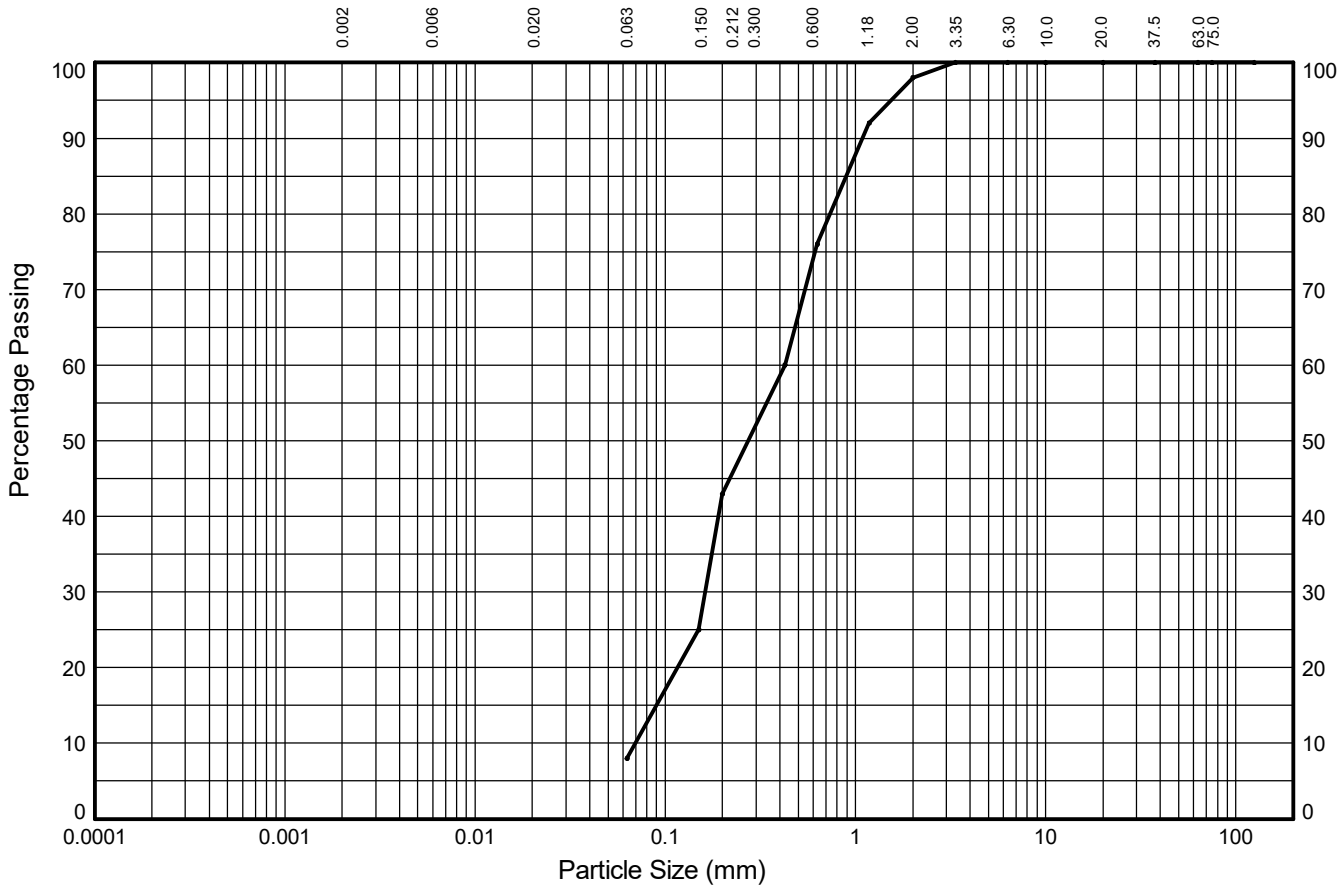
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **5** Sample Type: **D** Depth (m): **28.75**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	35%	33%	22%	2%	0%	0%	
	SILT			SAND			GRAVEL			
8%				90%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**98**
1.18	**92**
0.630	**76**
0.425	**60**
0.200	**43**
0.150	**25**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.070**
D_{15} (mm)	**0.090**
D_{30} (mm)	**0.162**
D_{50} (mm)	**0.273**
D_{60} (mm)	**0.425**
D_{85} (mm)	**0.897**
D_{90} (mm)	**1.091**
C_U	**6.1**
C_C	**0.89**

Soil Description:

Grey slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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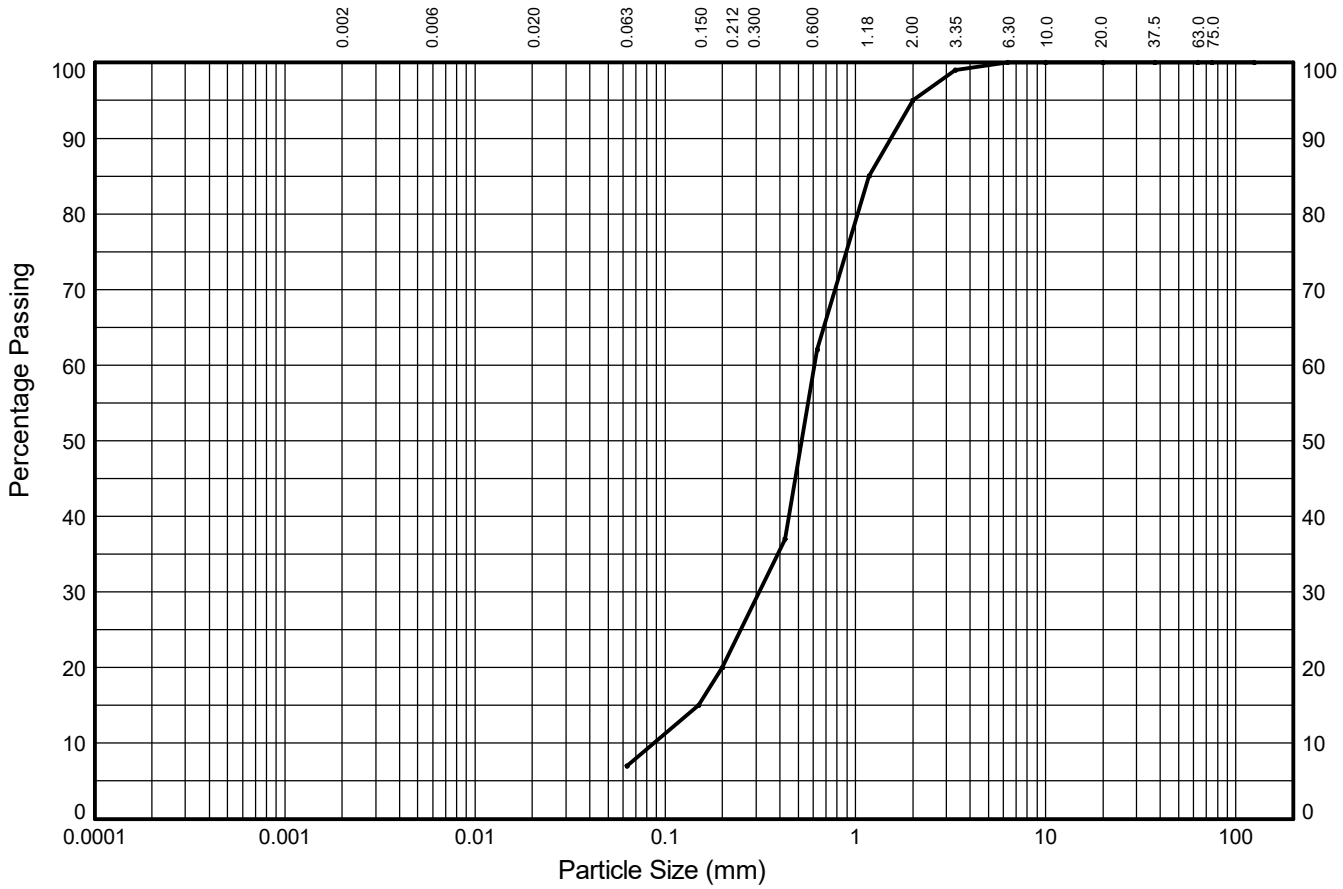
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **14** Sample Type: **C** Depth (m): **33.75**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	13%	42%	33%	5%	0%	0%	
	SILT			SAND			GRAVEL			
7%				88%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**95**
1.18	**85**
0.630	**62**
0.425	**37**
0.200	**20**
0.150	**15**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.087**
D_{15} (mm)	**0.150**
D_{30} (mm)	**0.312**
D_{50} (mm)	**0.522**
D_{60} (mm)	**0.610**
D_{85} (mm)	**1.180**
D_{90} (mm)	**1.536**
C_U	**7.0**
C_C	**1.8**

Soil Description:

Grey slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted] CONNEL MCLAUGHLIN	07/03/20

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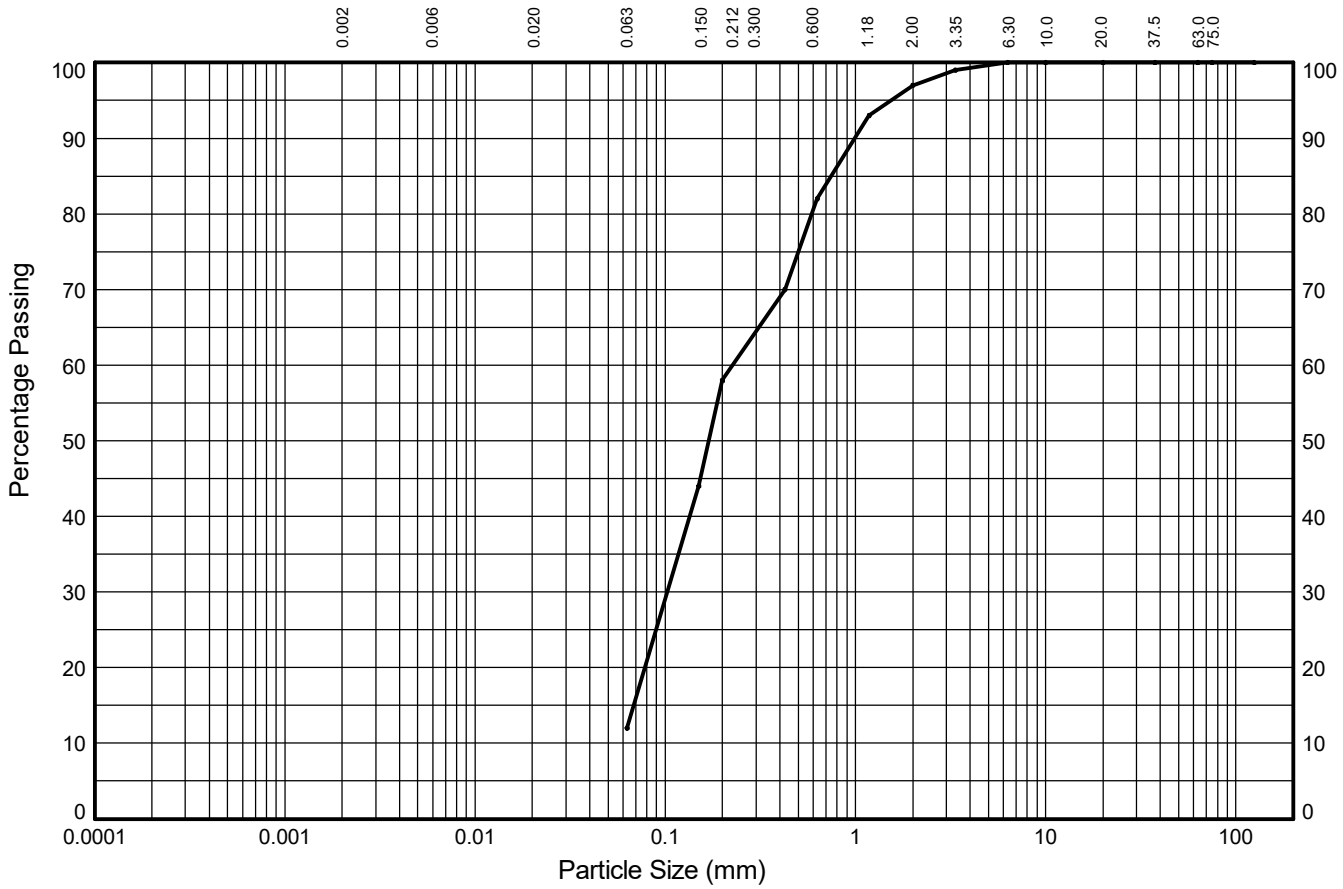
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **16** Sample Type: **C** Depth (m): **36.75**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	46%	24%	15%	3%	0%	0%	
	SILT			SAND			GRAVEL			
12%				85%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**97**
1.18	**93**
0.630	**82**
0.425	**70**
0.200	**58**
0.150	**44**
0.063	**12**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.068**
D_{30} (mm)	**0.103**
D_{50} (mm)	**0.170**
D_{60} (mm)	**0.227**
D_{85} (mm)	**0.748**
D_{90} (mm)	**0.994**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark grey slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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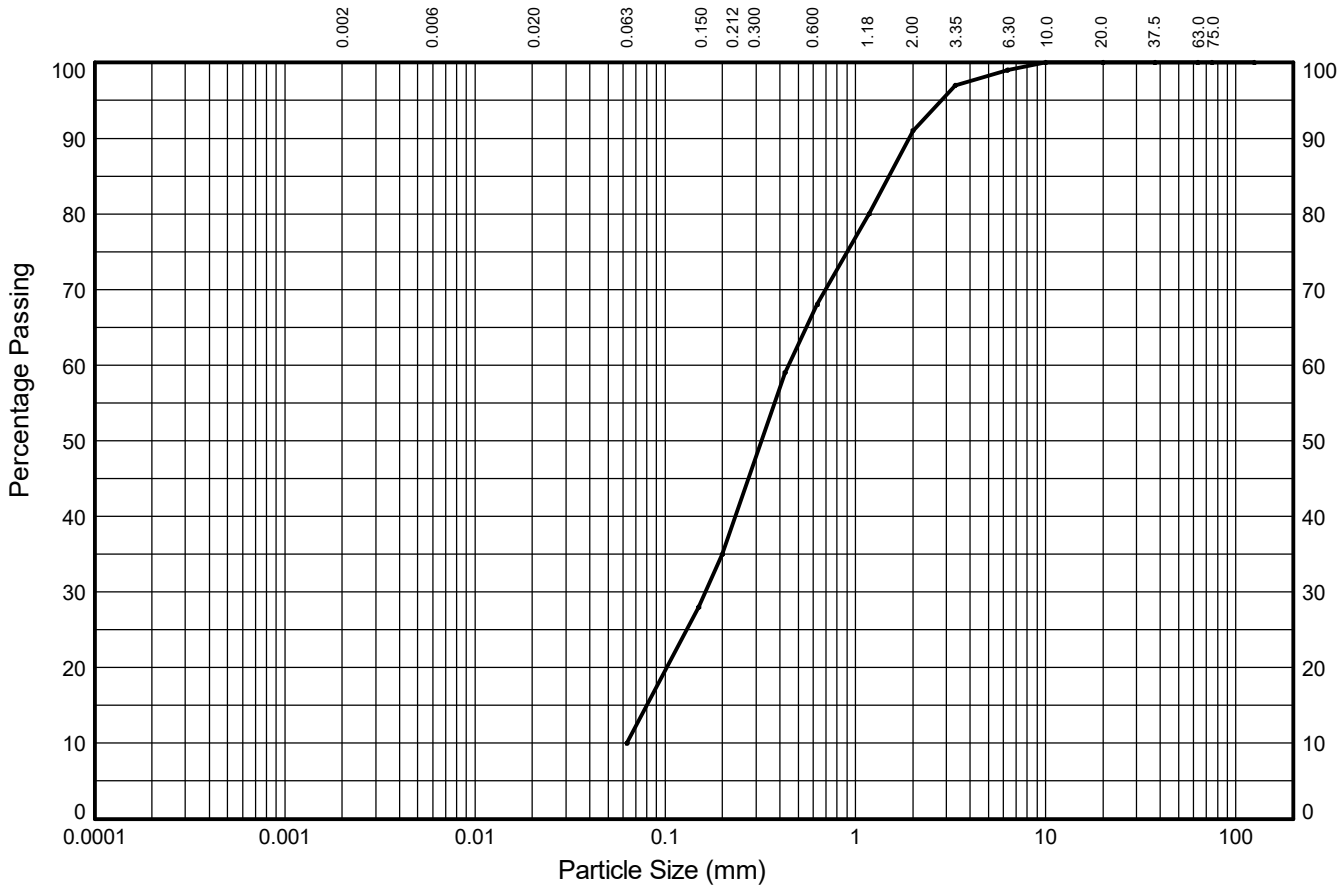
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **20** Sample Type: **C** Depth (m): **42.75**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	25%	33%	23%	8%	1%	0%	
	SILT			SAND			GRAVEL			
10%				81%			9%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**97**
2.00	**91**
1.18	**80**
0.630	**68**
0.425	**59**
0.200	**35**
0.150	**28**
0.063	**10**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.063**
D_{15} (mm)	**0.080**
D_{30} (mm)	**0.163**
D_{50} (mm)	**0.320**
D_{60} (mm)	**0.444**
D_{85} (mm)	**1.500**
D_{90} (mm)	**1.906**
C_U	**7.0**
C_C	**0.95**

Soil Description:

Dark grey gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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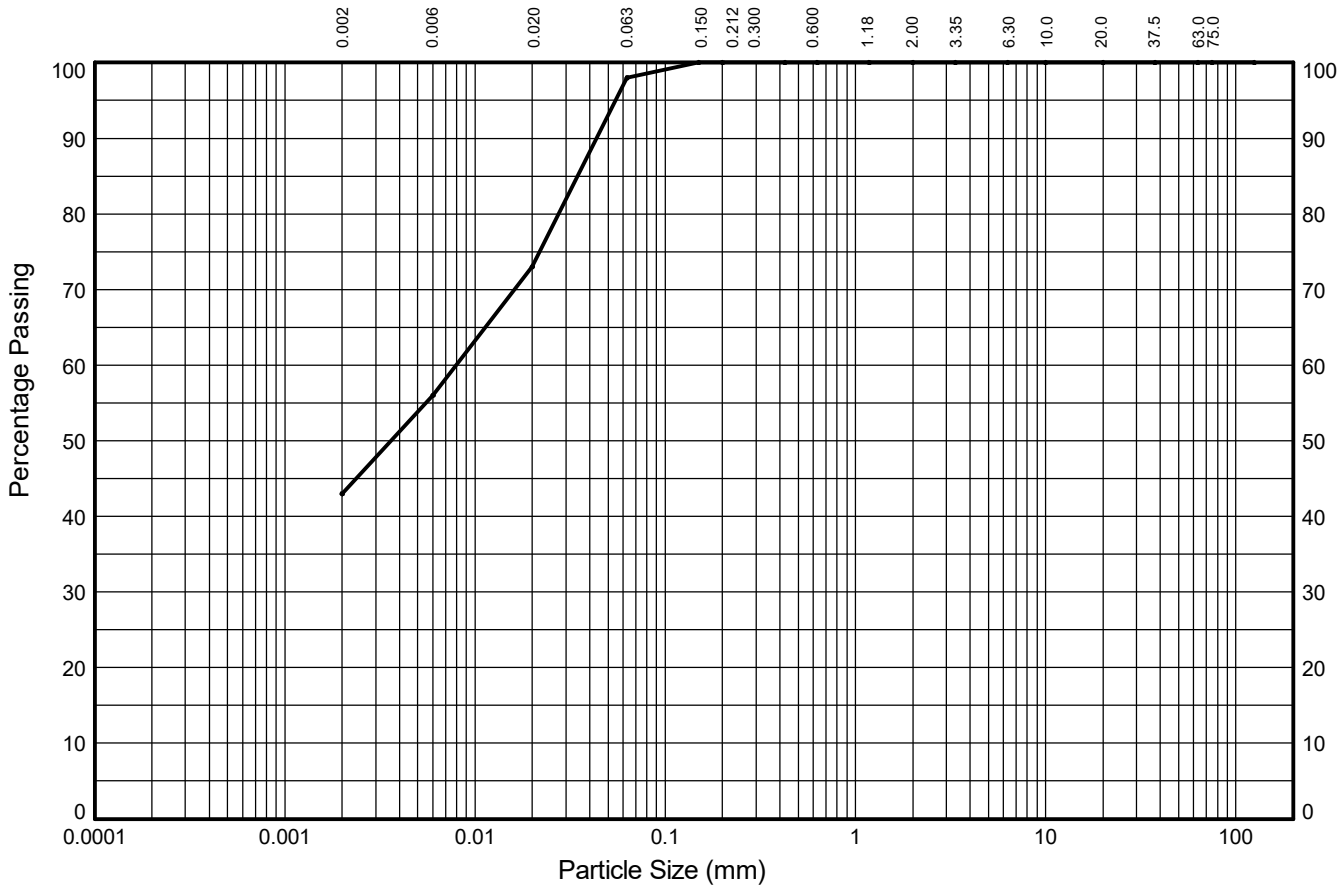
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **22** Sample Type: **C** Depth (m): **47.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	13%	17%	25%	2%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
43%	55%			2%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**98**

Particle Diameter (mm)	Percent Passing (%)
0.02	**73**
0.006	**56**
0.002	**43**

Sedimentation sample was pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.004**
D_{60} (mm)	**0.008**
D_{85} (mm)	**0.035**
D_{90} (mm)	**0.044**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

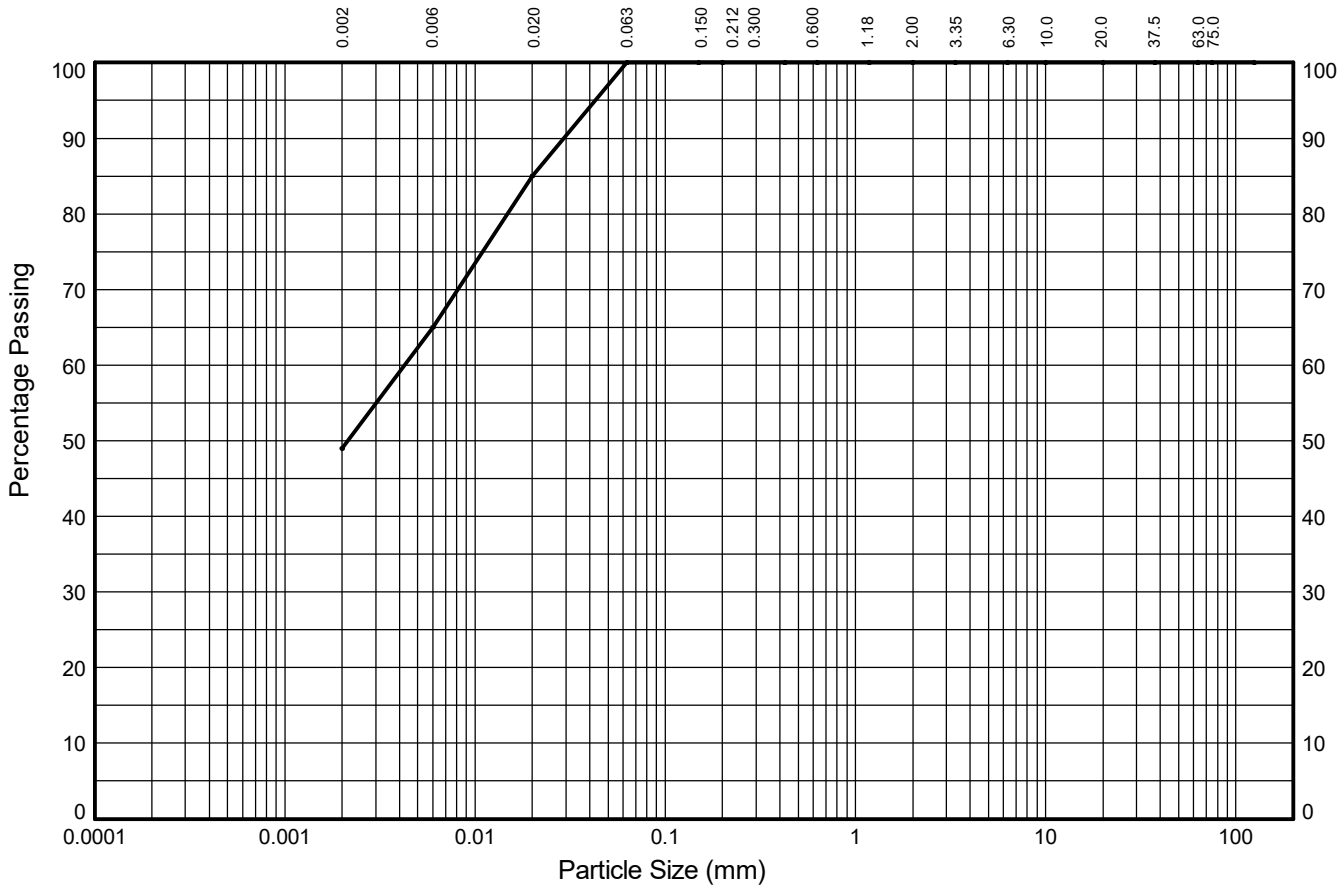
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **21** Sample Type: **D** Depth (m): **51.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	16%	20%	15%	0%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
49%	51%			0%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**100**

Particle Diameter (mm)	Percent Passing (%)
0.02	**85**
0.006	**65**
0.002	**49**
Sedimentation sample was pre-treated	

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.002**
D_{60} (mm)	**0.004**
D_{85} (mm)	**0.020**
D_{90} (mm)	**0.029**
C_U	**NA**
C_C	**NA**

Soil Description:

Grey silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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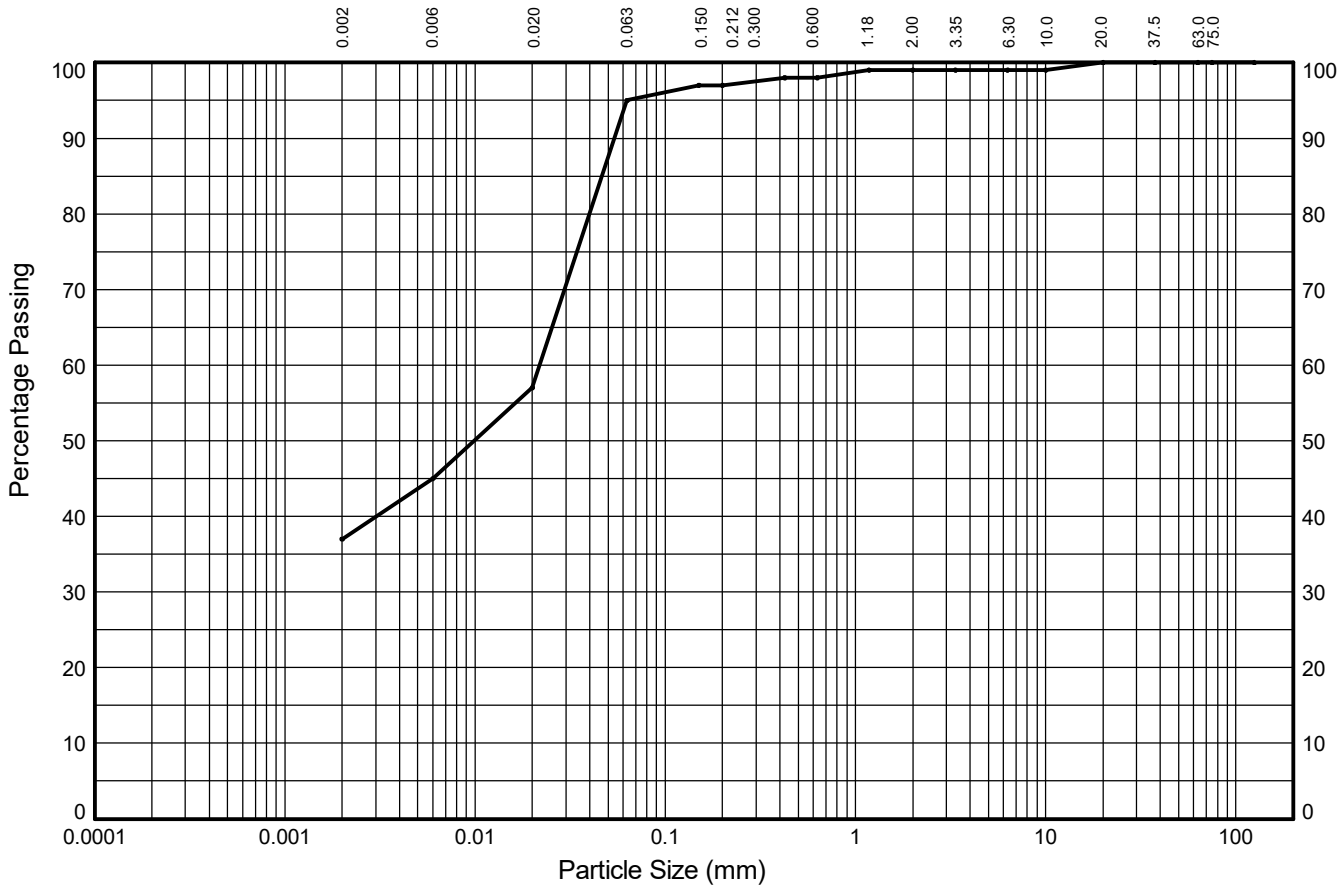
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **25** Sample Type: **C** Depth (m): **55.81**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	8%	12%	38%	2%	1%	1%	0%	1%	0%	
	SILT			SAND			GRAVEL			
37%	58%			4%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**99**
3.35	**99**
2.00	**99**
1.18	**99**
0.630	**98**
0.425	**98**
0.200	**97**
0.150	**97**
0.063	**95**

Particle Diameter (mm)	Percent Passing (%)
0.02	**57**
0.006	**45**
0.002	**37**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.010**
D_{60} (mm)	**0.022**
D_{85} (mm)	**0.047**
D_{90} (mm)	**0.054**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark brown slightly gravelly slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **28** Sample Type: **C** Depth (m): **57.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	4%	5%	4%	40%	27%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
20%	13%			67%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**73**
0.150	**66**
0.063	**33**

Particle Diameter (mm)	Percent Passing (%)
0.02	**29**
0.006	**24**
0.002	**20**

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.027**
D_{50} (mm)	**0.098**
D_{60} (mm)	**0.128**
D_{85} (mm)	**0.280**
D_{90} (mm)	**0.321**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark brown very clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

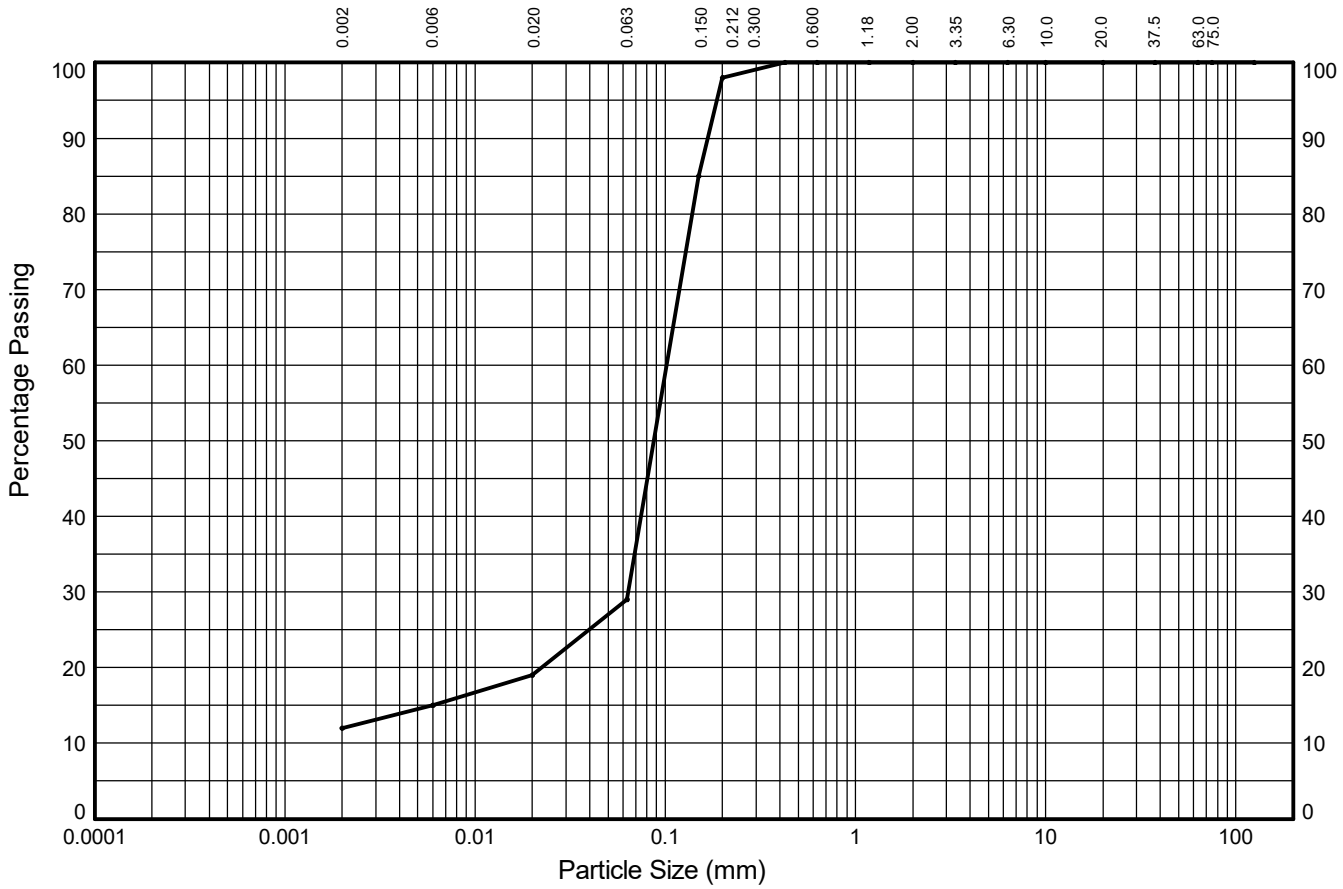
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **27** Sample Type: **D** Depth (m): **58.70**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	3%	4%	10%	69%	2%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
12%	17%			71%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**98**
0.150	**85**
0.063	**29**

Particle Diameter (mm)	Percent Passing (%)
0.02	**19**
0.006	**15**
0.002	**12**
Sedimentation sample was pre-treated	

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.006**
D_{30} (mm)	**0.064**
D_{50} (mm)	**0.087**
D_{60} (mm)	**0.102**
D_{85} (mm)	**0.150**
D_{90} (mm)	**0.168**
C_U	**NA**
C_C	**NA**

Soil Description:

Brown very clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **32** Sample Type: **C** Depth (m): **59.86**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	13%	24%	29%	2%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
32%	66%			2%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**98**

Particle Diameter (mm)	Percent Passing (%)
0.02	**69**
0.006	**44**
0.002	**32**
Sedimentation sample was pre-treated	

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.008**
D_{60} (mm)	**0.013**
D_{85} (mm)	**0.038**
D_{90} (mm)	**0.046**
C_U	**NA**
C_C	**NA**

Soil Description:

Brown slightly sandy silty CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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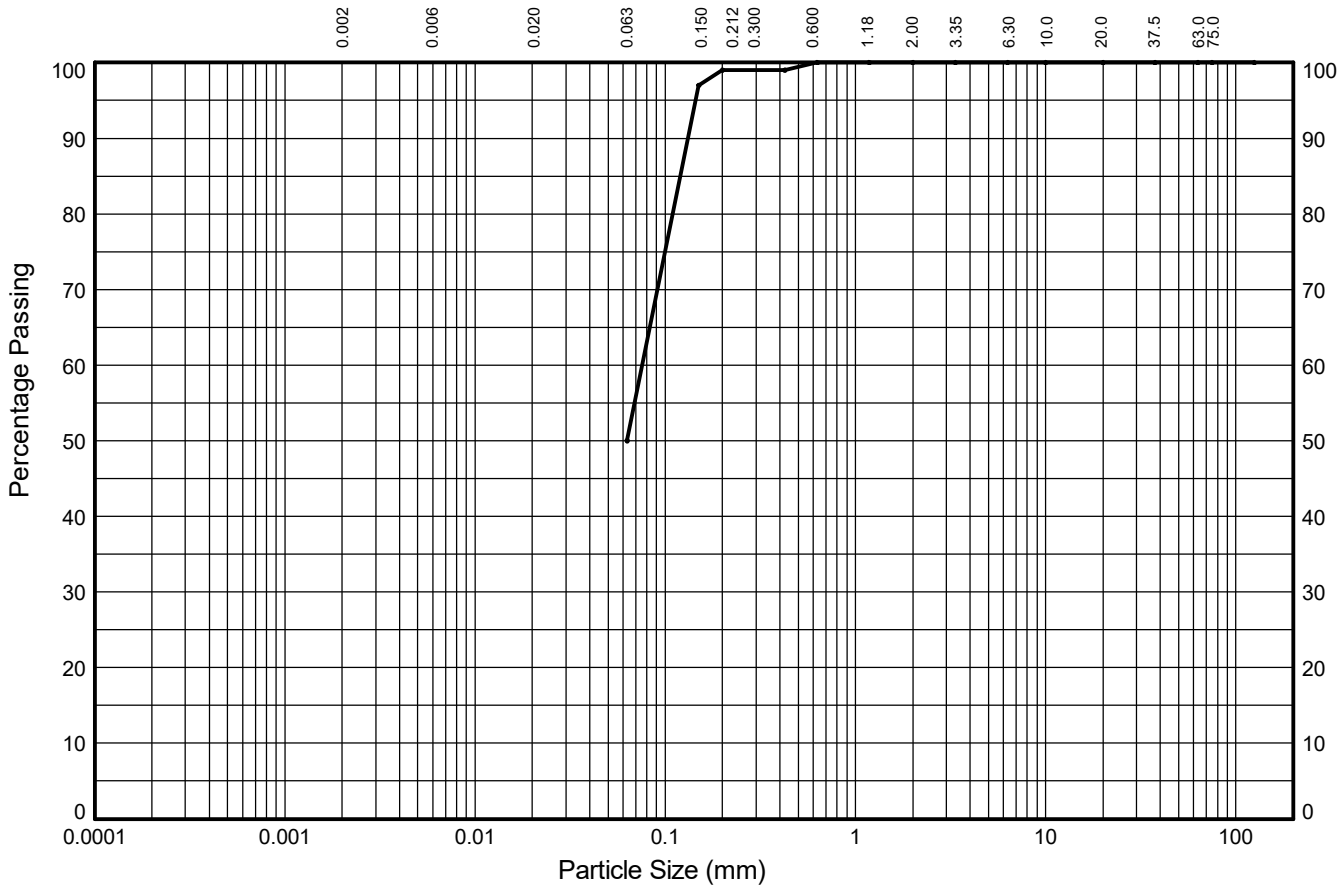
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **29** Sample Type: **D** Depth (m): **60.70**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	49%	1%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
50%				50%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**99**
0.200	**99**
0.150	**97**
0.063	**50**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.063**
D_{60} (mm)	**0.076**
D_{85} (mm)	**0.120**
D_{90} (mm)	**0.132**
C_U	**NA**
C_C	**NA**

Soil Description:

Light brown mottled grey sandy SILT

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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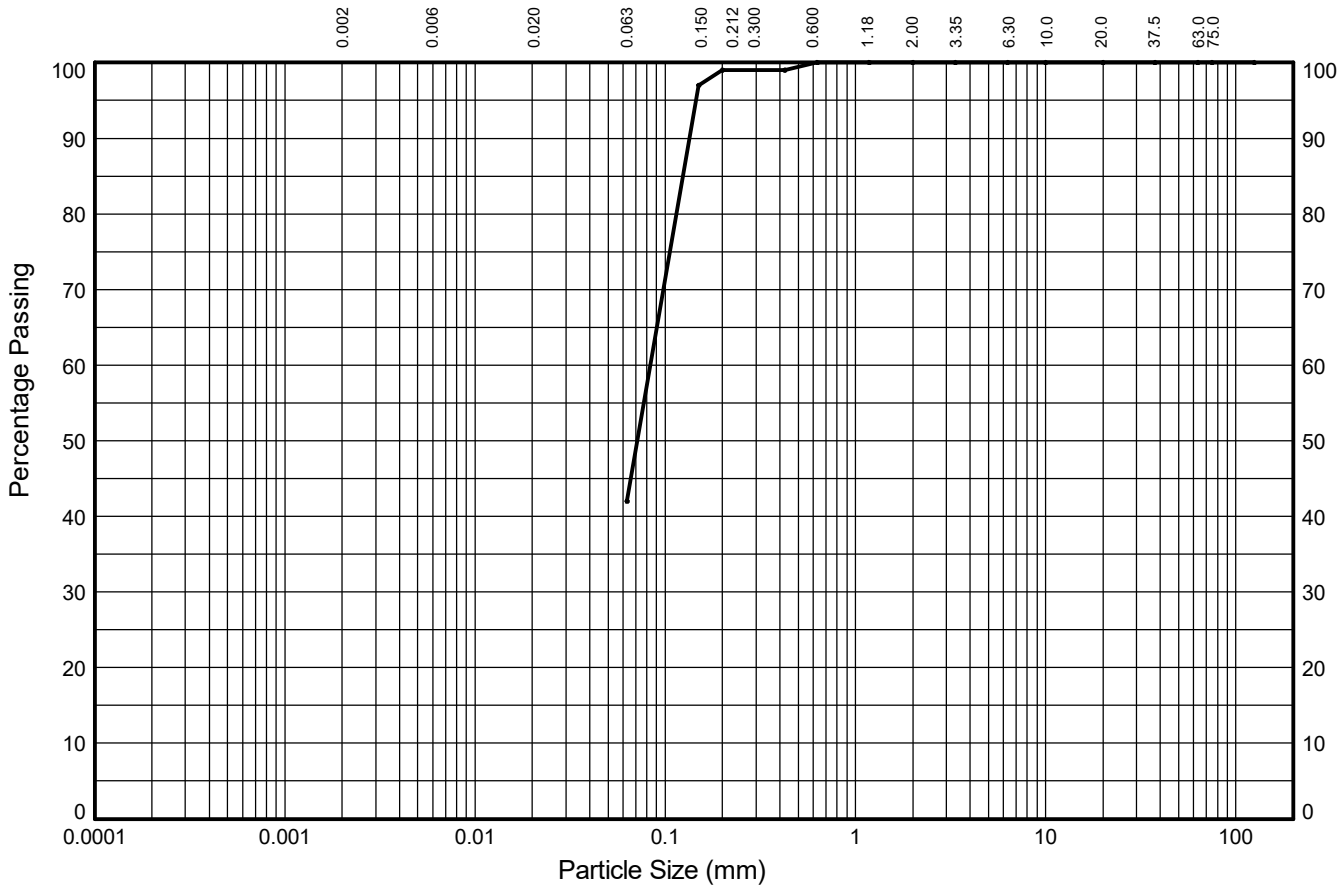
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **31** Sample Type: **D** Depth (m): **62.10**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	57%	1%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
42%				58%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**99**
0.200	**99**
0.150	**97**
0.063	**42**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.071**
D_{60} (mm)	**0.084**
D_{85} (mm)	**0.124**
D_{90} (mm)	**0.134**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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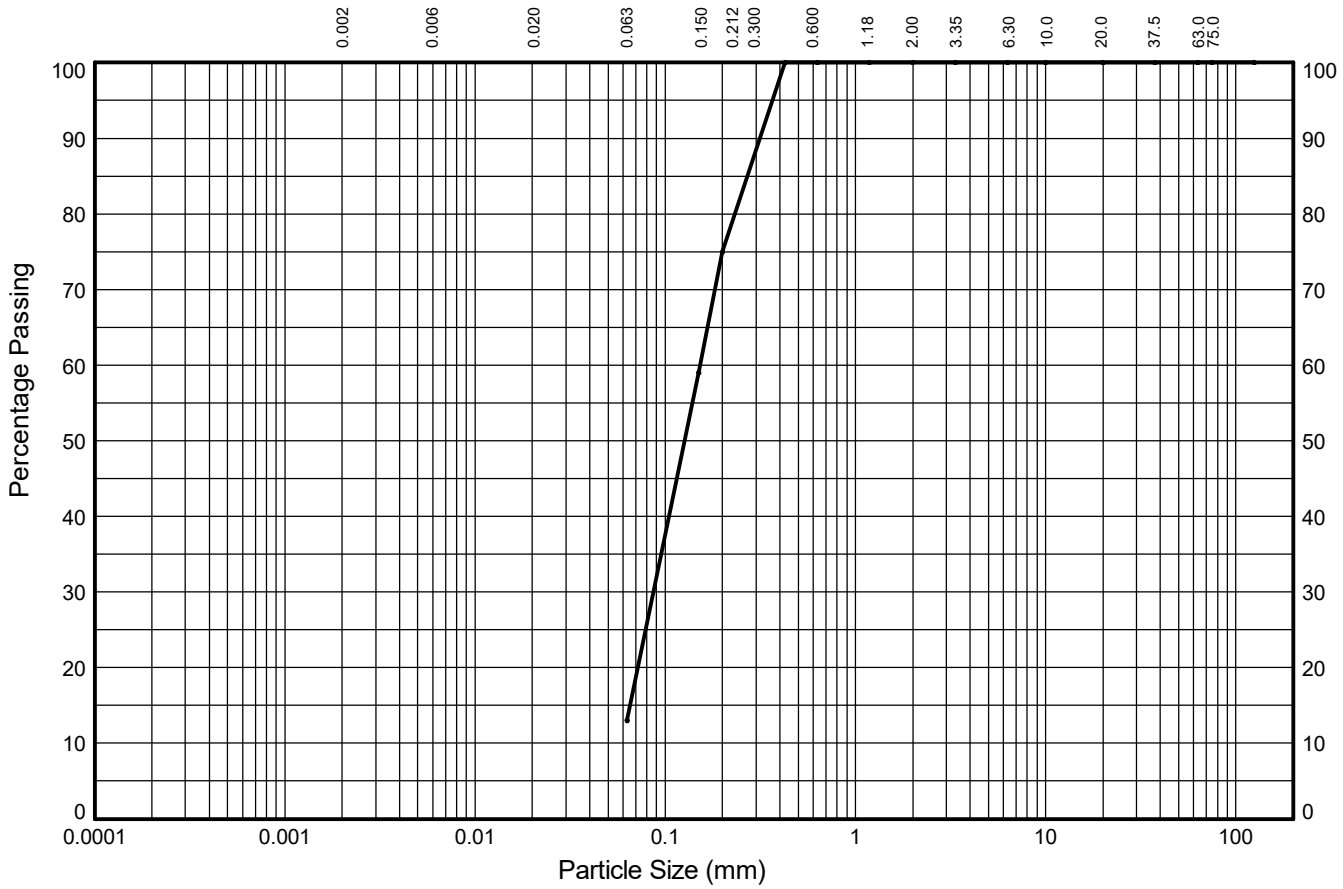
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **36** Sample Type: **C** Depth (m): **64.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	62%	25%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
13%				87%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**75**
0.150	**59**
0.063	**13**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.065**
D_{30} (mm)	**0.087**
D_{50} (mm)	**0.127**
D_{60} (mm)	**0.153**
D_{85} (mm)	**0.270**
D_{90} (mm)	**0.314**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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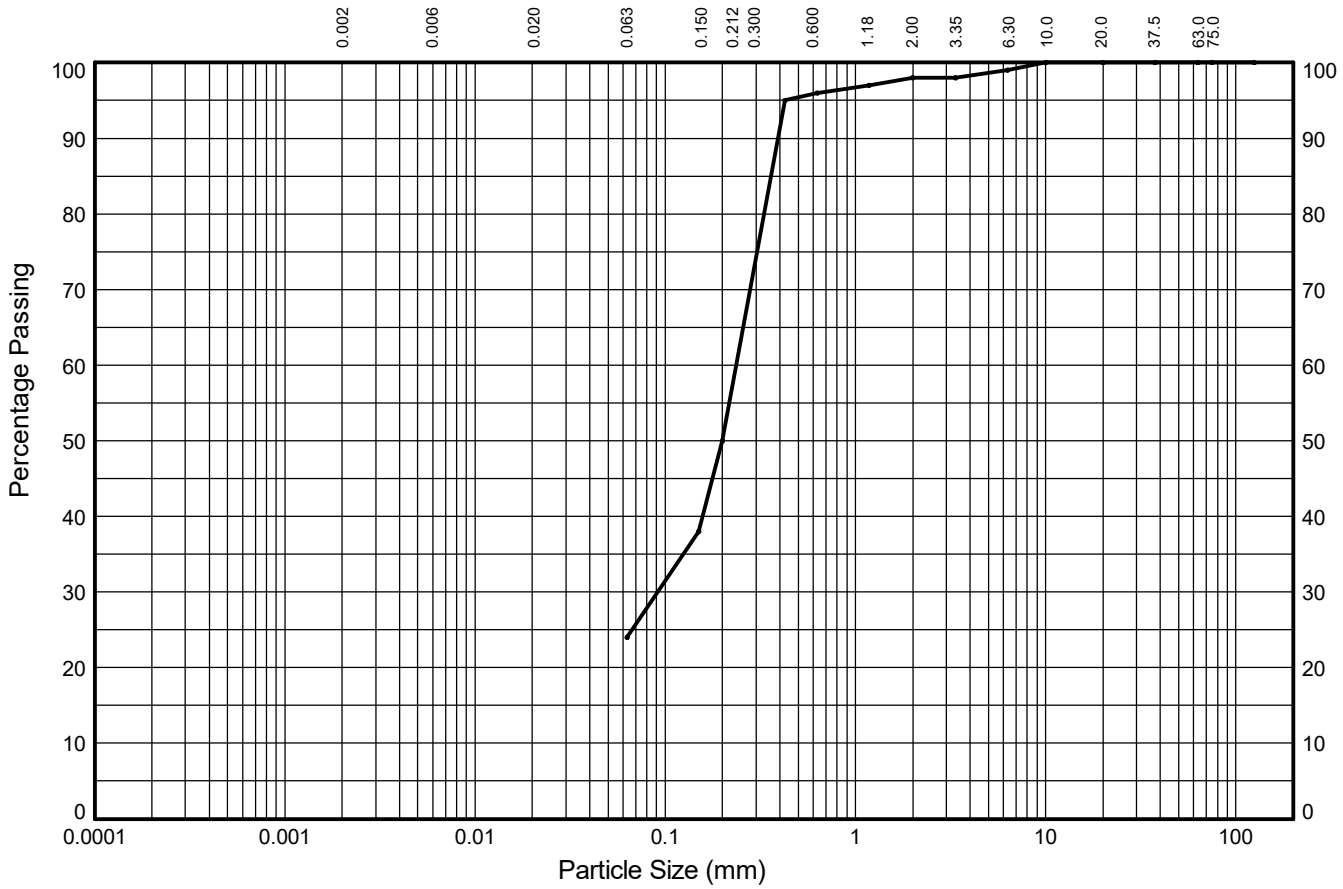
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **33** Sample Type: **D** Depth (m): **66.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	26%	46%	2%	1%	1%	0%	
	SILT			SAND			GRAVEL			
24%				74%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**98**
1.18	**97**
0.630	**96**
0.425	**95**
0.200	**50**
0.150	**38**
0.063	**24**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.091**
D_{50} (mm)	**0.200**
D_{60} (mm)	**0.236**
D_{85} (mm)	**0.359**
D_{90} (mm)	**0.391**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown slightly gravelly very silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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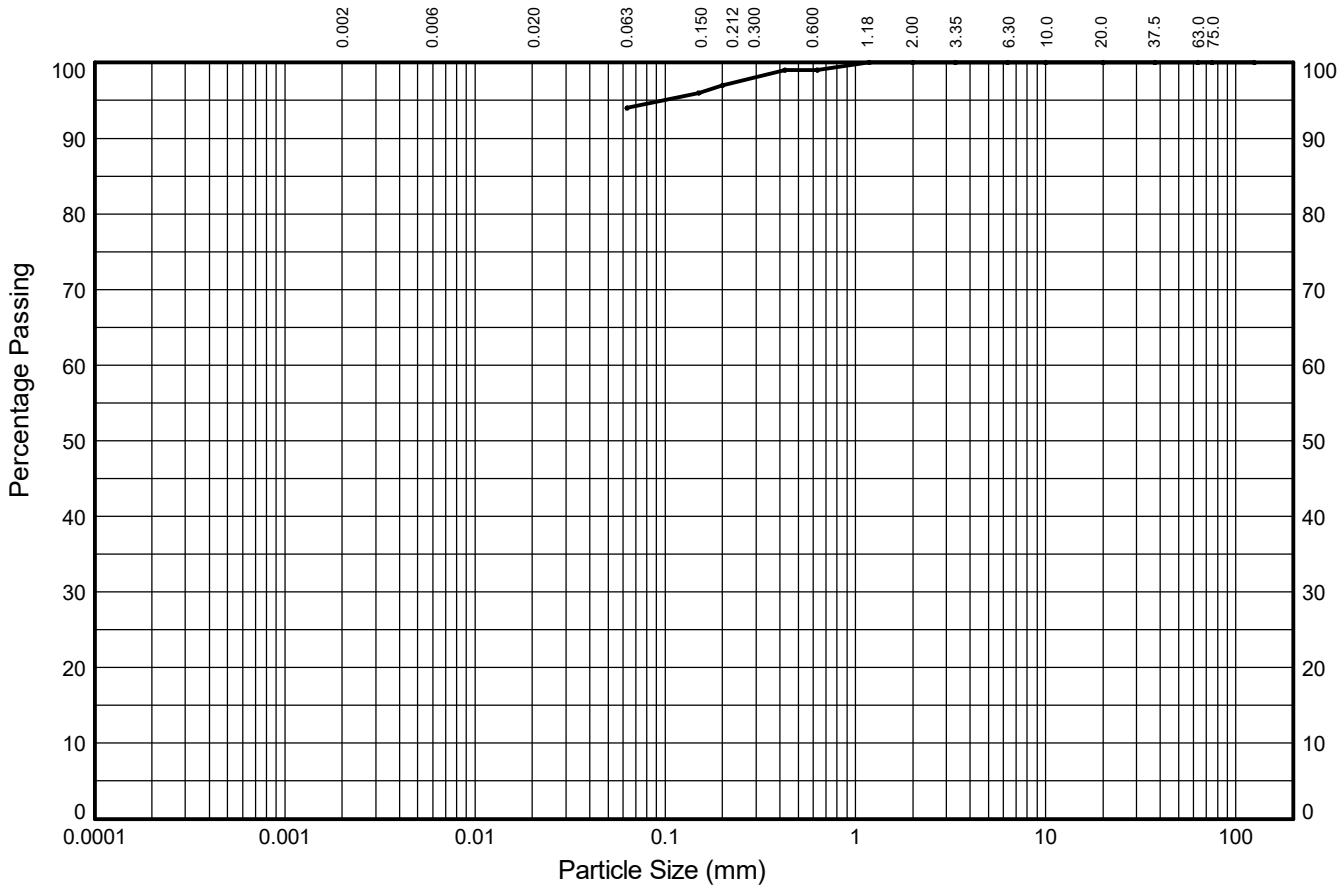
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **37** Sample Type: **C** Depth (m): **66.70**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	3%	2%	1%	0%	0%	0%	
	SILT			SAND			GRAVEL			
94%				6%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**99**
0.425	**99**
0.200	**97**
0.150	**96**
0.063	**94**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**NA**
D_{90} (mm)	**NA**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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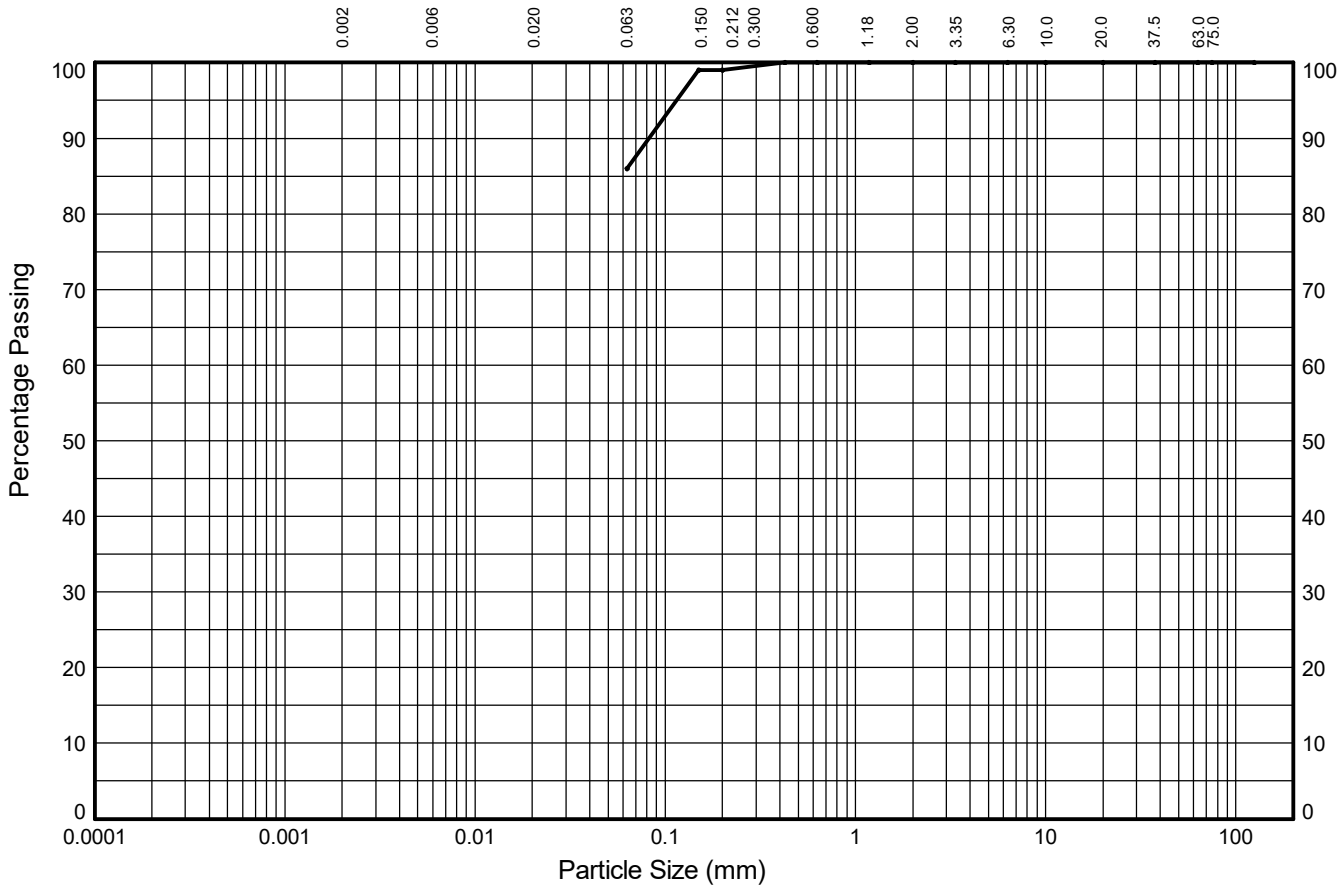
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **36** Sample Type: **D** Depth (m): **69.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	13%	1%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
86%				14%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**99**
0.150	**99**
0.063	**86**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**NA**
D_{90} (mm)	**0.082**
C_U	**NA**
C_C	**NA**

Soil Description:

Bluish grey mottled orange and purple slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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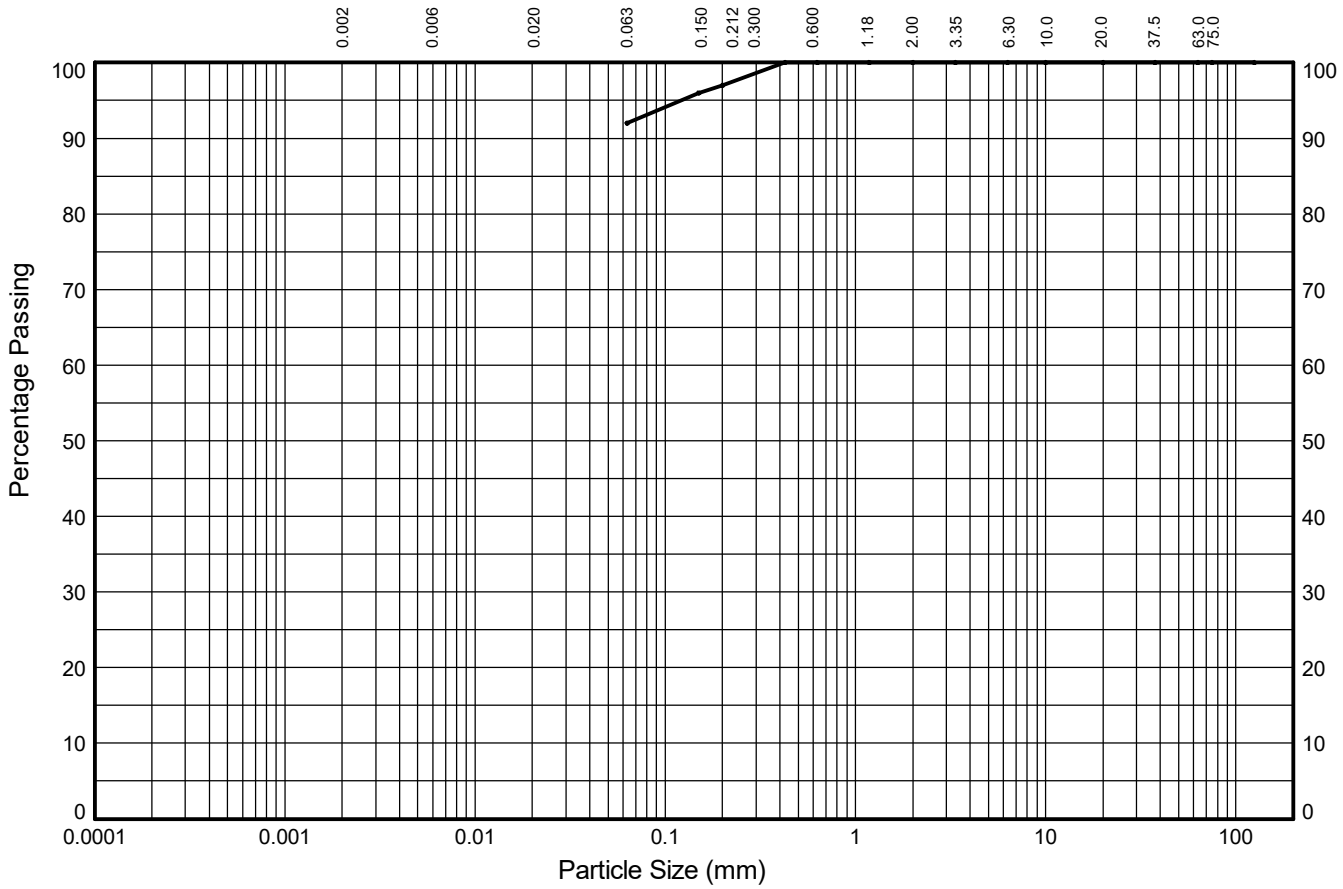
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **37** Sample Type: **D** Depth (m): **70.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	5%	3%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
92%				8%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**97**
0.150	**96**
0.063	**92**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**NA**
D_{90} (mm)	**NA**
C_U	**NA**
C_C	**NA**

Soil Description:

Bluish grey slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted] FRANCESCA BENNETT	07/03/20

Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

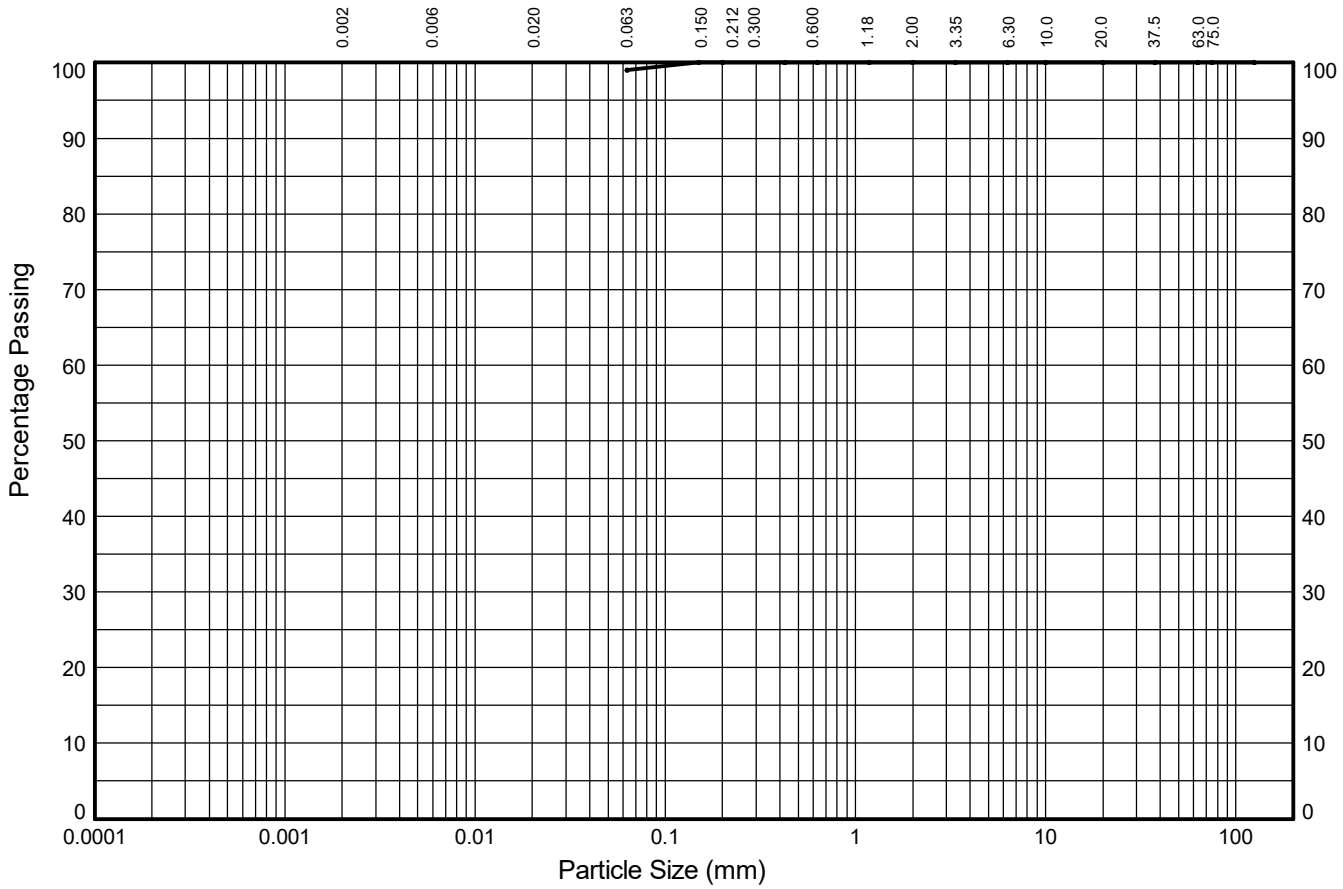
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **38** Sample Type: **D** Depth (m): **71.30**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	1%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
99%				1%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**99**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**NA**
D_{60} (mm)	**NA**
D_{85} (mm)	**NA**
D_{90} (mm)	**NA**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark grey slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2, 5.3 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_7** Sample Ref: **41** Sample Type: **D** Depth (m): **75.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	20%	12%	14%	5%	0%	0%	0%	0%	0%	
	SILT			SAND			GRAVEL			
49%	46%			5%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**100**
0.630	**100**
0.425	**100**
0.200	**100**
0.150	**100**
0.063	**95**

Particle Diameter (mm)	Percent Passing (%)
0.02	**81**
0.006	**69**
0.002	**49**

Sedimentation sample was pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**NA**
D_{50} (mm)	**0.002**
D_{60} (mm)	**0.004**
D_{85} (mm)	**0.028**
D_{90} (mm)	**0.042**
C_U	**NA**
C_C	**NA**

Soil Description:

Greyish brown slightly sandy CLAY

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By: [redacted] THOMAS DAVIES

Date: 23/04/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

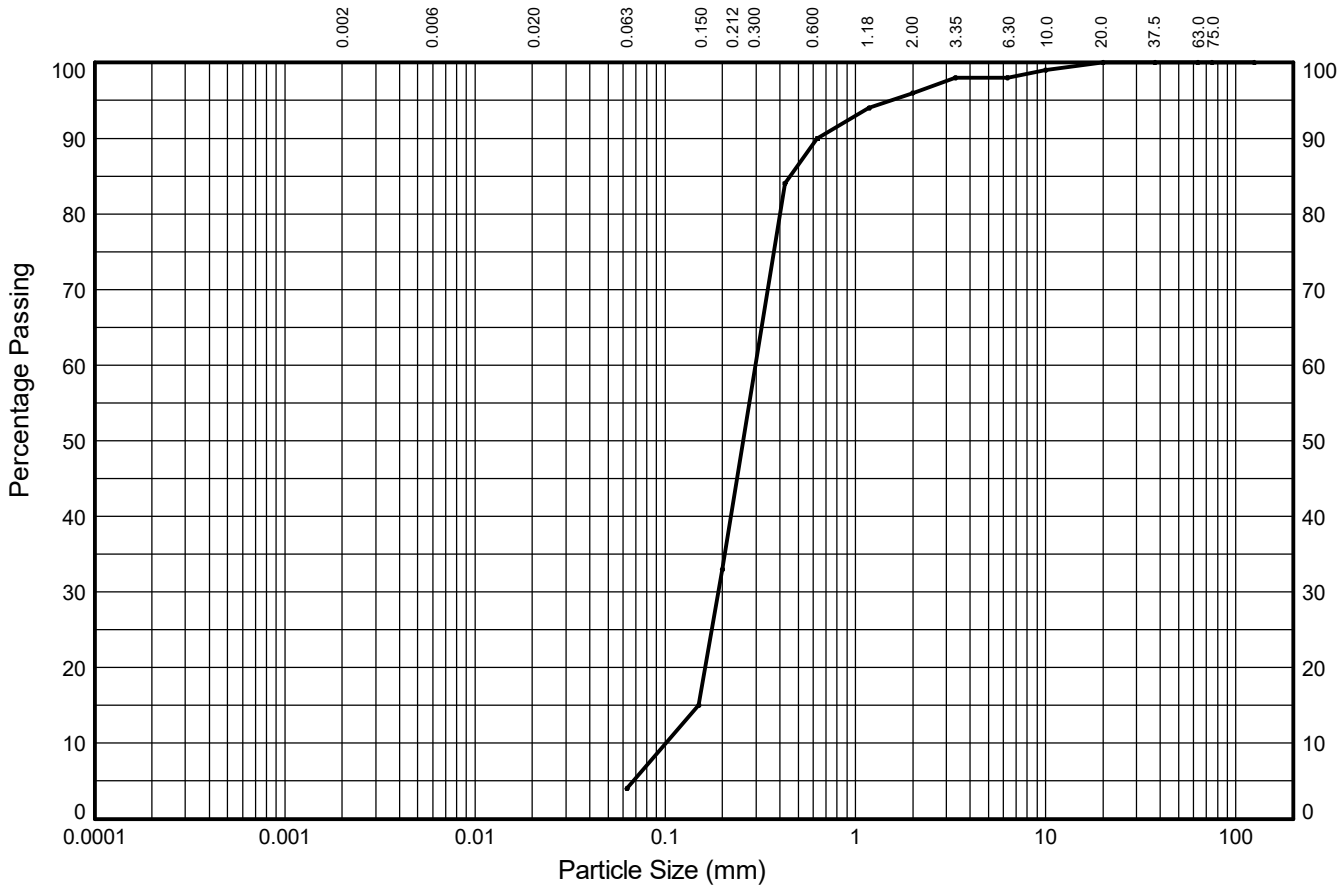
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_8** Sample Ref: **3** Sample Type: **C** Depth (m): **17.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	29%	57%	6%	2%	2%	0%	
	SILT			SAND			GRAVEL			
4%				92%			4%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**98**
2.00	**96**
1.18	**94**
0.630	**90**
0.425	**84**
0.200	**33**
0.150	**15**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.101**
D_{15} (mm)	**0.150**
D_{30} (mm)	**0.191**
D_{50} (mm)	**0.257**
D_{60} (mm)	**0.298**
D_{85} (mm)	**0.454**
D_{90} (mm)	**0.630**
C_U	**2.9**
C_C	**1.2**

Soil Description:

Brown mottled grey slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By		Date
[redacted]	**CONNEL MCLAUGHLIN**	**07/03/20**

Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

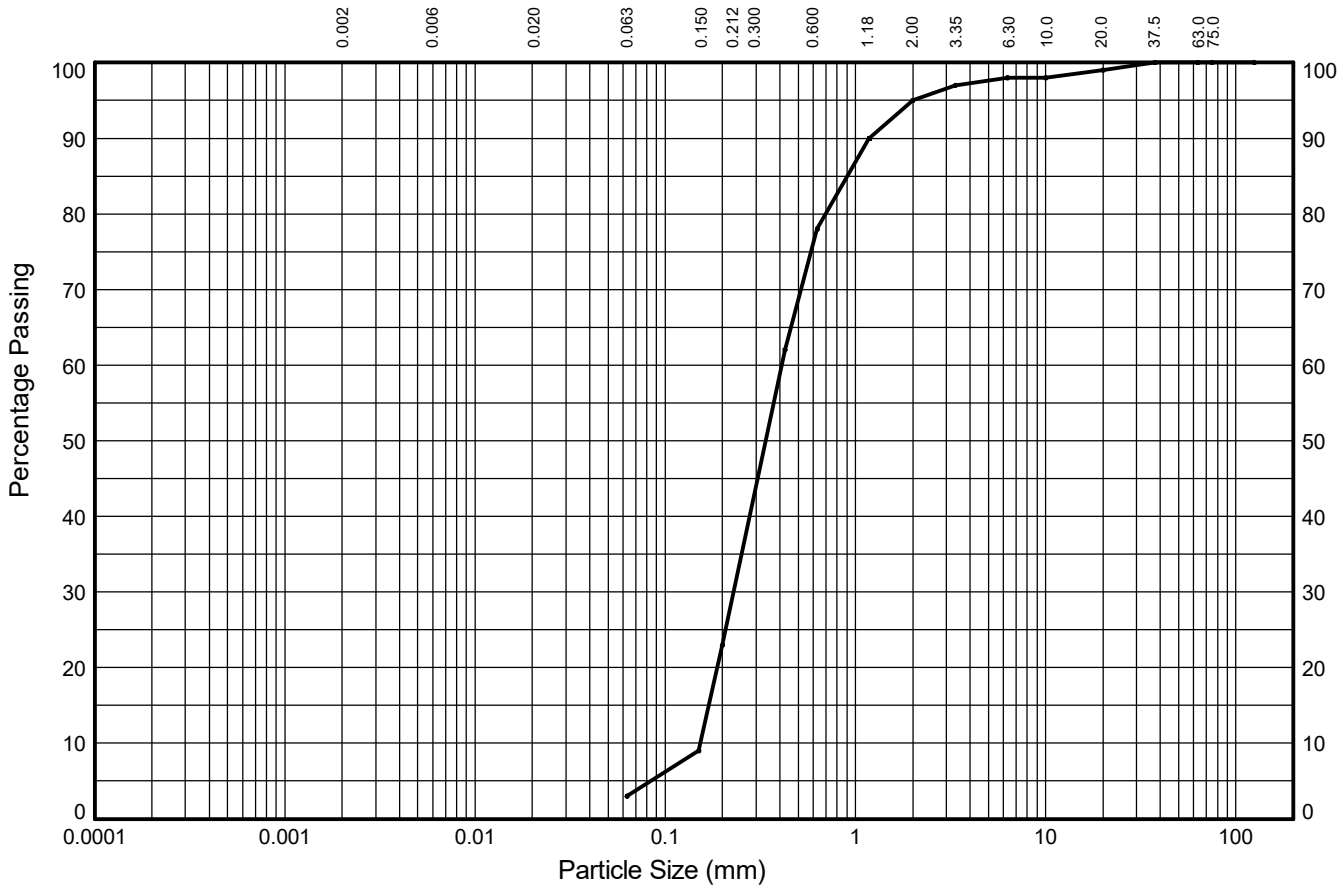
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_8** Sample Ref: **8** Sample Type: **C** Depth (m): **22.25**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	20%	55%	17%	3%	1%	1%	
	SILT			SAND			GRAVEL			
3%				92%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**98**
6.30	**98**
3.35	**97**
2.00	**95**
1.18	**90**
0.630	**78**
0.425	**62**
0.200	**23**
0.150	**9**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.153**
D_{15} (mm)	**0.170**
D_{30} (mm)	**0.229**
D_{50} (mm)	**0.337**
D_{60} (mm)	**0.409**
D_{85} (mm)	**0.908**
D_{90} (mm)	**1.180**
C_U	**2.7**
C_C	**0.84**

Soil Description:

Orangish brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Sizewell C Onshore GI Phase 2 2019	**734318**

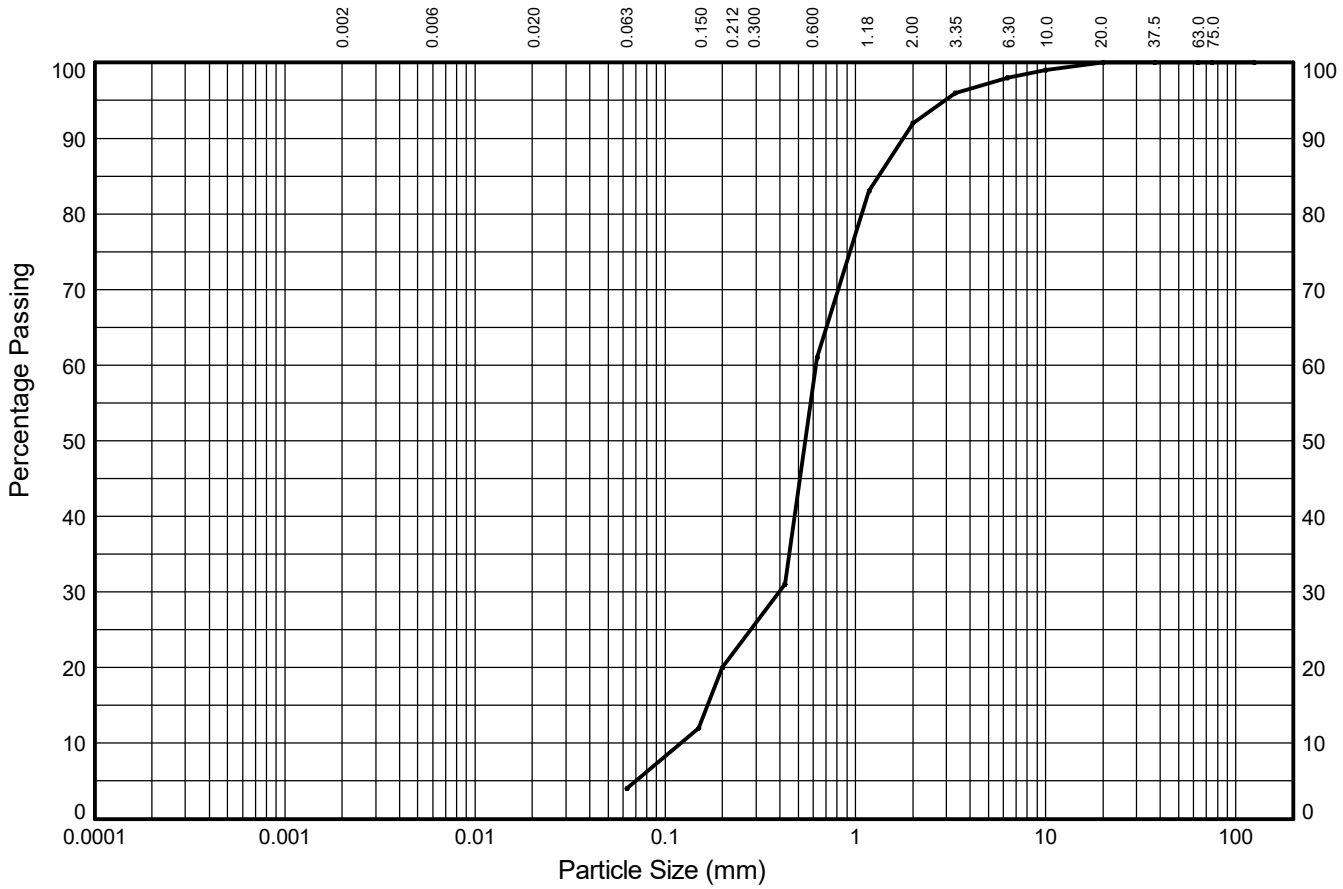
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_8** Sample Ref: **12** Sample Type: **C** Depth (m): **26.75**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	16%	41%	31%	6%	2%	0%	
	SILT			SAND			GRAVEL			
4%				88%			8%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**96**
2.00	**92**
1.18	**83**
0.630	**61**
0.425	**31**
0.200	**20**
0.150	**12**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.121**
D_{15} (mm)	**0.167**
D_{30} (mm)	**0.397**
D_{50} (mm)	**0.545**
D_{60} (mm)	**0.622**
D_{85} (mm)	**1.327**
D_{90} (mm)	**1.779**
C_U	**5.1**
C_C	**2.1**

Soil Description:

Brown mottled grey gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Date: 07/03/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

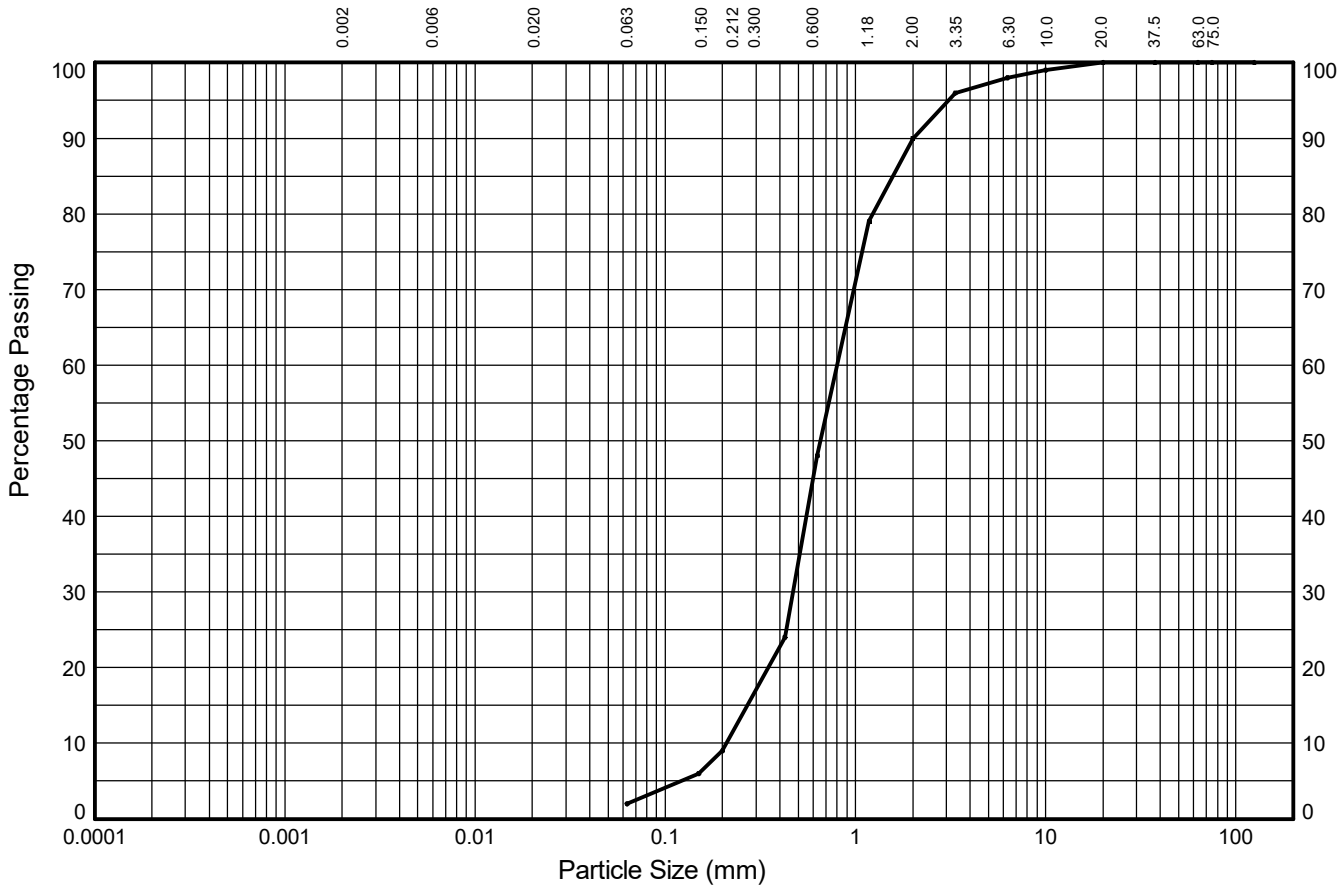
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_8** Sample Ref: **17** Sample Type: **C** Depth (m): **31.25**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	7%	39%	42%	8%	2%	0%	
	SILT			SAND			GRAVEL			
2%				88%			10%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**96**
2.00	**90**
1.18	**79**
0.630	**48**
0.425	**24**
0.200	**9**
0.150	**6**
0.063	**2**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.210**
D_{15} (mm)	**0.270**
D_{30} (mm)	**0.469**
D_{50} (mm)	**0.656**
D_{60} (mm)	**0.803**
D_{85} (mm)	**1.574**
D_{90} (mm)	**2.000**
C_U	**3.8**
C_C	**1.3**

Soil Description:

Brown mottled grey gravelly slightly silty SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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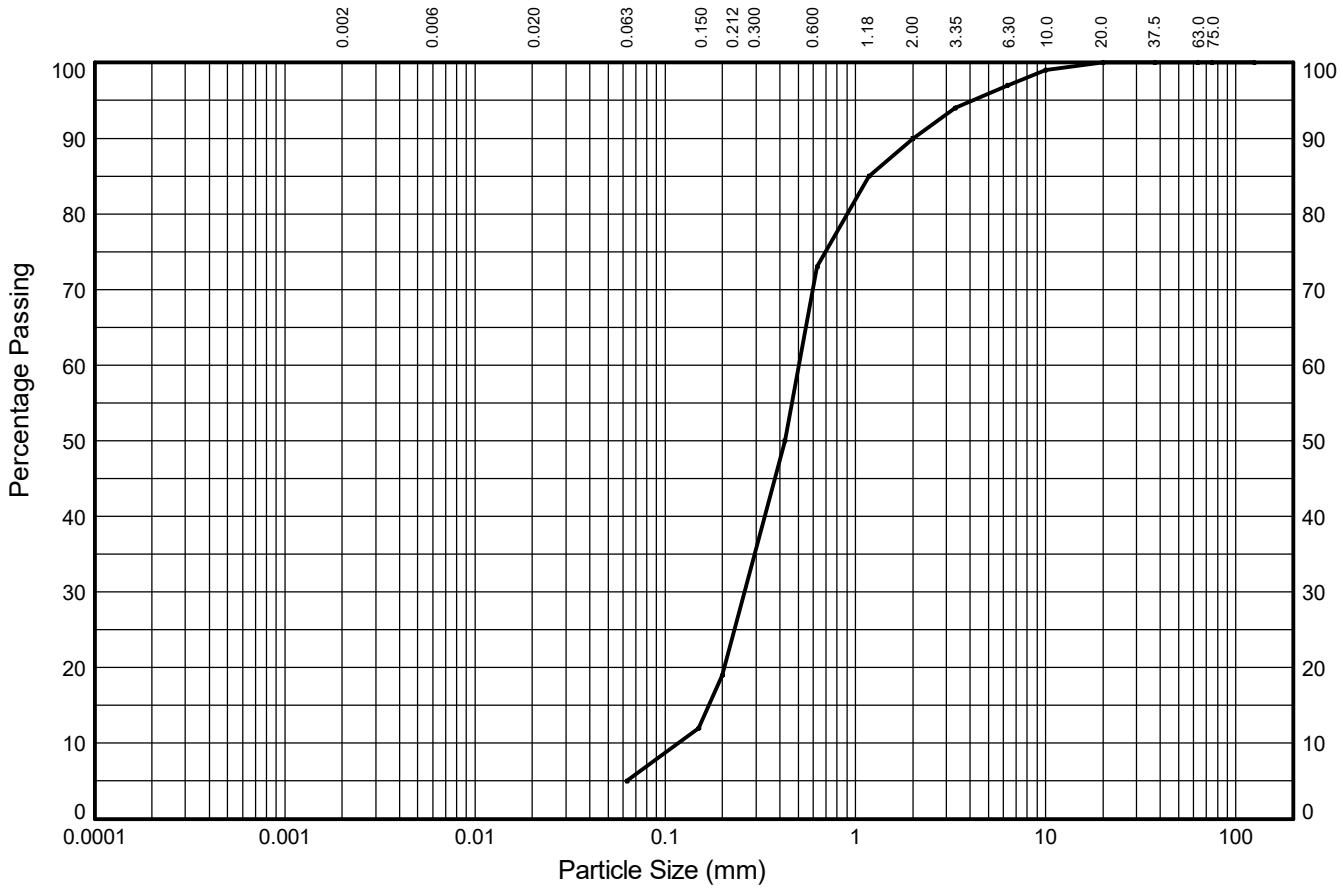
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **DCBH2019_8** Sample Ref: **22** Sample Type: **C** Depth (m): **39.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	14%	54%	17%	7%	3%	0%	
	SILT			SAND			GRAVEL			
5%				85%			10%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**97**
3.35	**94**
2.00	**90**
1.18	**85**
0.630	**73**
0.425	**50**
0.200	**19**
0.150	**12**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.117**
D_{15} (mm)	**0.170**
D_{30} (mm)	**0.261**
D_{50} (mm)	**0.425**
D_{60} (mm)	**0.504**
D_{85} (mm)	**1.180**
D_{90} (mm)	**2.000**
C_U	**4.3**
C_C	**1.2**

Soil Description:

Greyish brown gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By		Date
[redacted]	**CONNEL MCLAUGHLIN**	**07/03/20**

Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

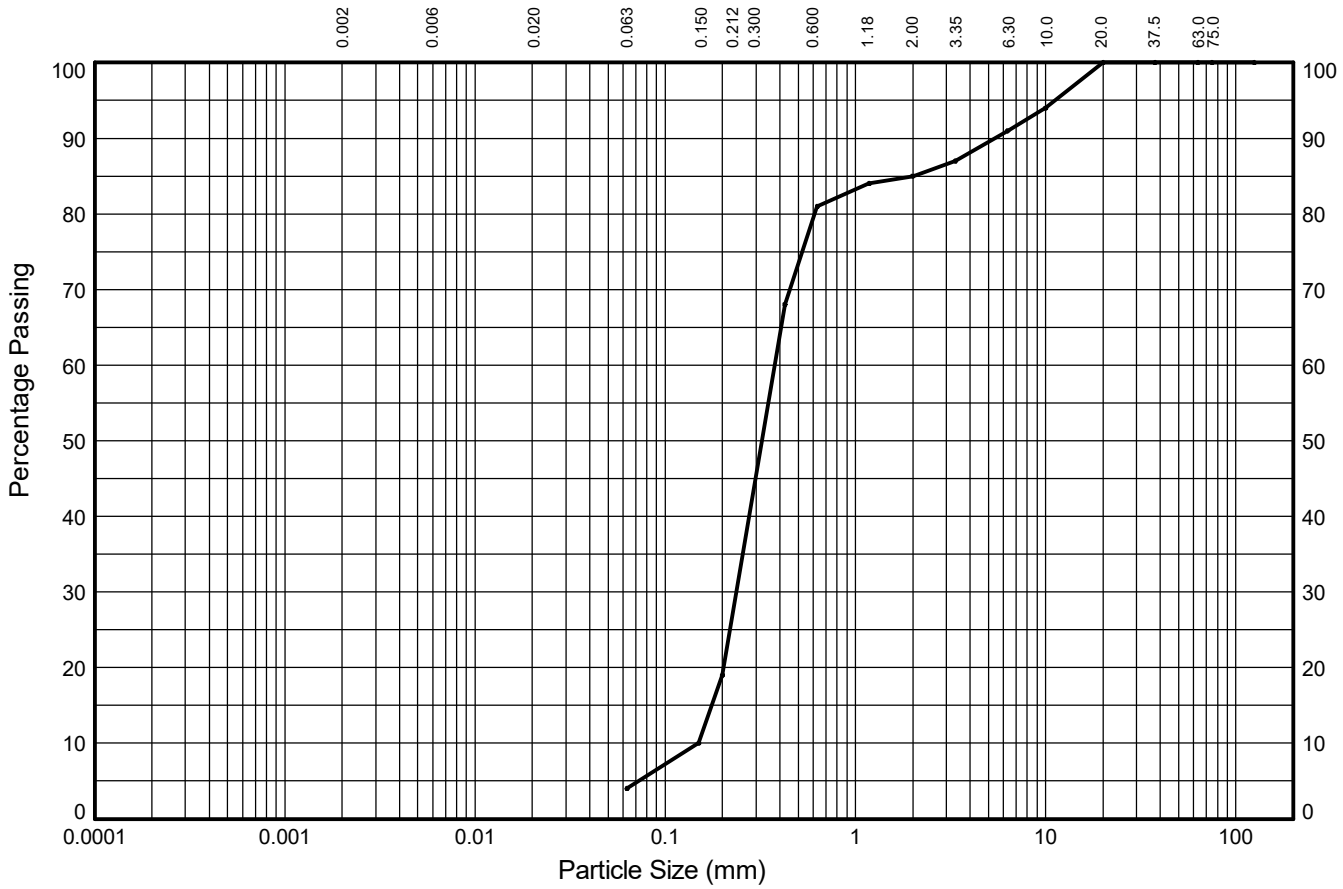
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **Group 1** Sample Ref: **1** Sample Type: **B** Depth (m): **-**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	15%	62%	4%	6%	9%	0%	
	SILT			SAND			GRAVEL			
4%				81%			15%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**94**
6.30	**91**
3.35	**87**
2.00	**85**
1.18	**84**
0.630	**81**
0.425	**68**
0.200	**19**
0.150	**10**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.150**
D_{15} (mm)	**0.176**
D_{30} (mm)	**0.237**
D_{50} (mm)	**0.322**
D_{60} (mm)	**0.376**
D_{85} (mm)	**2.000**
D_{90} (mm)	**5.380**
C_U	**2.5**
C_C	**1.00**

Soil Description:

Brown gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

STRUCTURAL SOILS
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Pottery Street
Castleford
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Compiled By: [redacted] FRANCESCA BENNETT

Date: 07/03/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

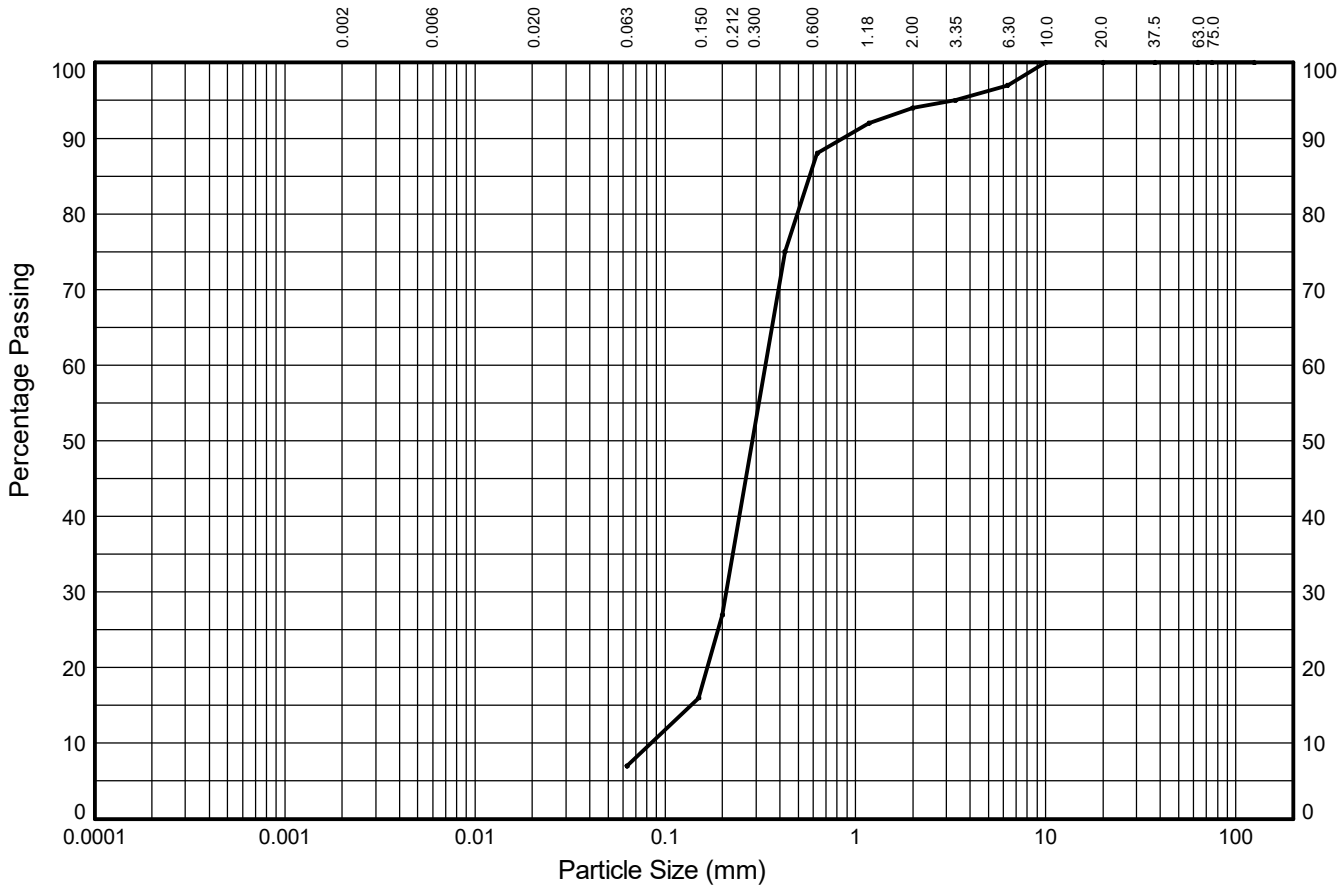
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **Group 2** Sample Ref: **1** Sample Type: **B** Depth (m): **-**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	20%	61%	6%	3%	3%	0%	
	SILT			SAND			GRAVEL			
7%				87%			6%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**97**
3.35	**95**
2.00	**94**
1.18	**92**
0.630	**88**
0.425	**75**
0.200	**27**
0.150	**16**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.084**
D_{15} (mm)	**0.136**
D_{30} (mm)	**0.210**
D_{50} (mm)	**0.287**
D_{60} (mm)	**0.336**
D_{85} (mm)	**0.575**
D_{90} (mm)	**0.862**
C_U	**4.0**
C_C	**1.6**

Soil Description:

Brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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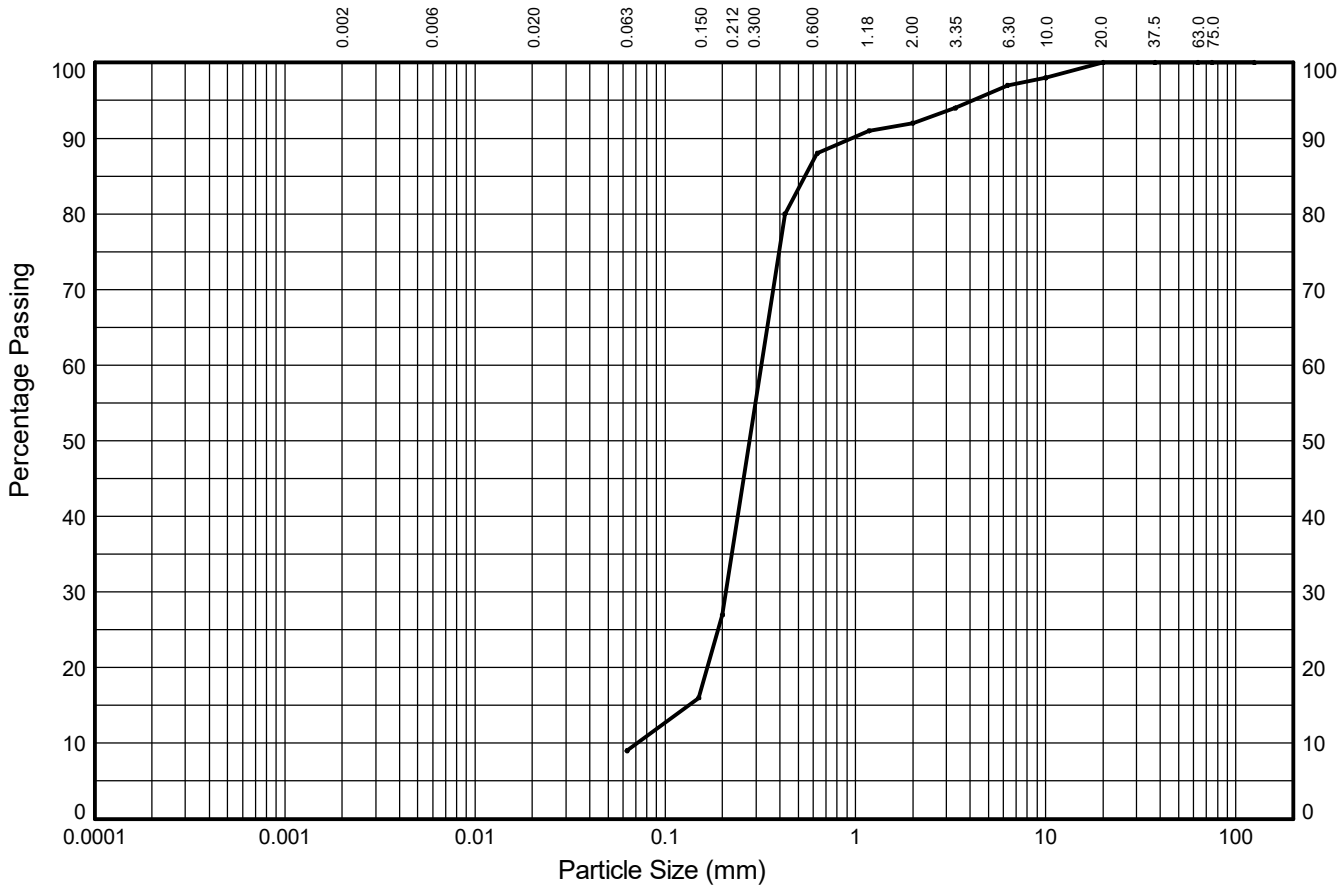
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **Group 3** Sample Ref: **1** Sample Type: **B** Depth (m): **-**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	18%	61%	4%	5%	3%	0%	
	SILT			SAND			GRAVEL			
9%				83%			8%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**98**
6.30	**97**
3.35	**94**
2.00	**92**
1.18	**91**
0.630	**88**
0.425	**80**
0.200	**27**
0.150	**16**
0.063	**9**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.071**
D_{15} (mm)	**0.133**
D_{30} (mm)	**0.209**
D_{50} (mm)	**0.277**
D_{60} (mm)	**0.320**
D_{85} (mm)	**0.544**
D_{90} (mm)	**0.957**
C_U	**4.5**
C_C	**1.9**

Soil Description:

Brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

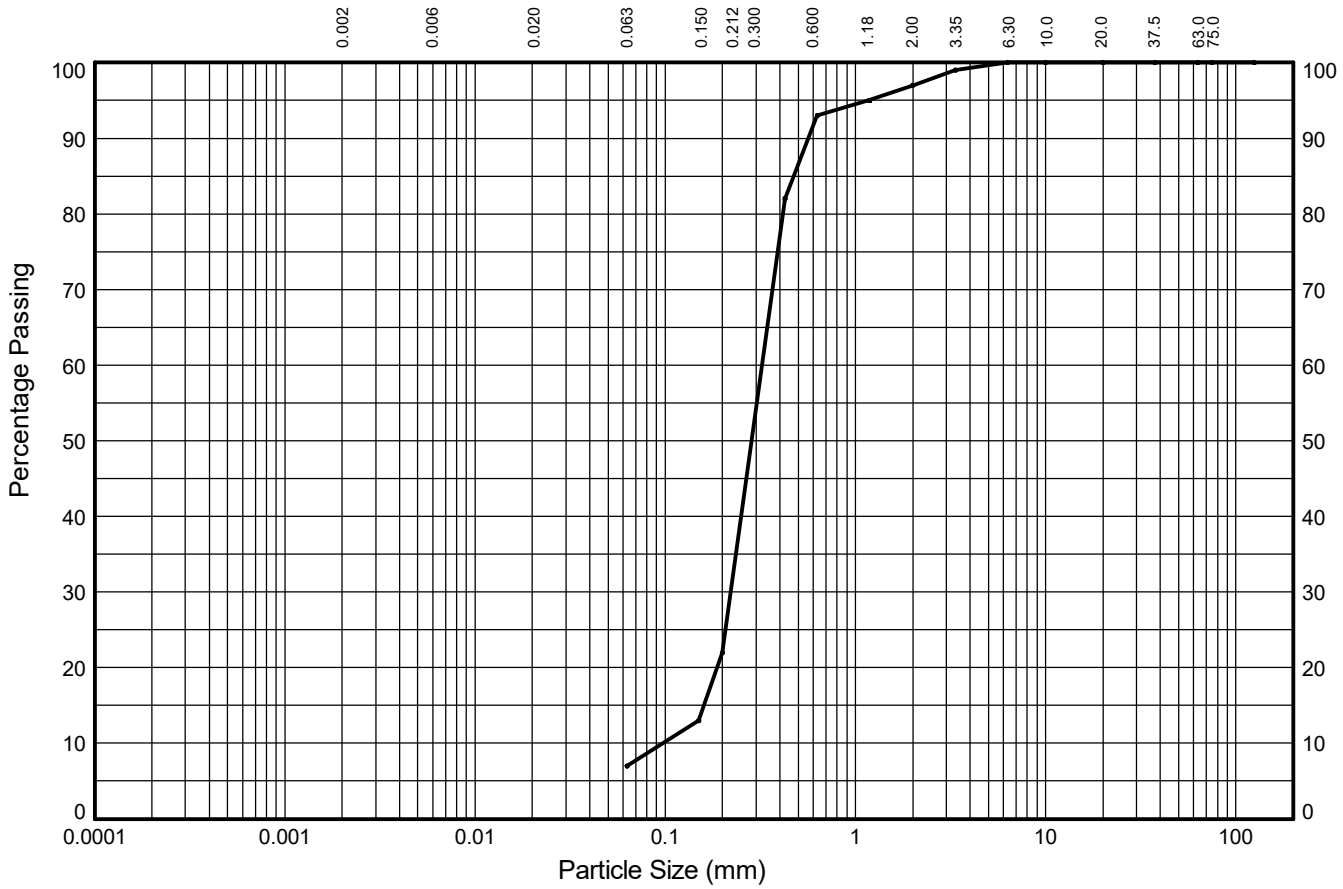
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **Group 4** Sample Ref: **1** Sample Type: **B** Depth (m): **-**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	15%	71%	4%	3%	0%	0%	
	SILT			SAND			GRAVEL			
7%				90%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**97**
1.18	**95**
0.630	**93**
0.425	**82**
0.200	**22**
0.150	**13**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.097**
D_{15} (mm)	**0.160**
D_{30} (mm)	**0.221**
D_{50} (mm)	**0.284**
D_{60} (mm)	**0.322**
D_{85} (mm)	**0.473**
D_{90} (mm)	**0.566**
C_U	**3.3**
C_C	**1.6**

Soil Description:

Brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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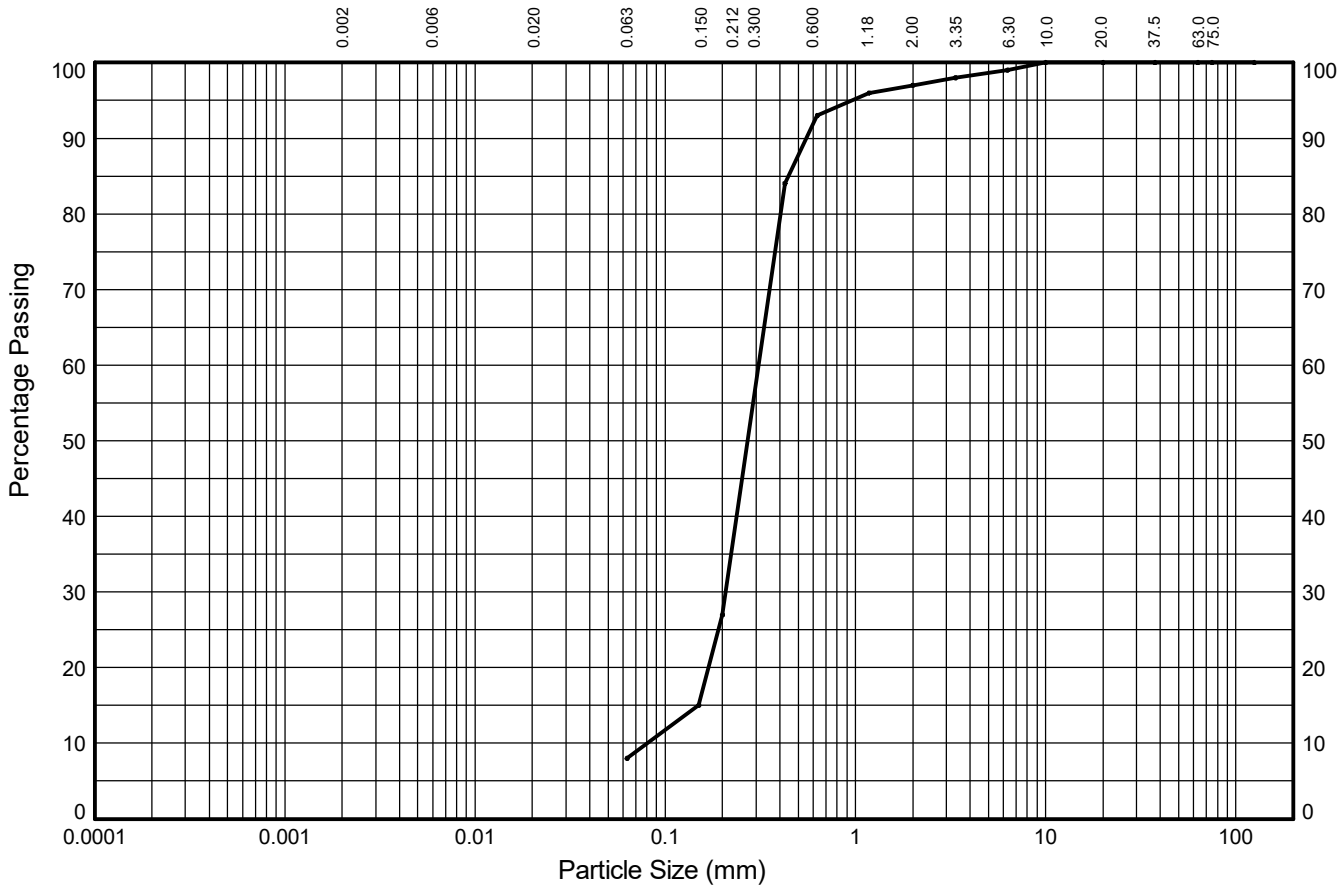
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **Group 5** Sample Ref: **1** Sample Type: **B** Depth (m): **-**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	19%	66%	4%	2%	1%	0%	
	SILT			SAND			GRAVEL			
8%				89%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**97**
1.18	**96**
0.630	**93**
0.425	**84**
0.200	**27**
0.150	**15**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.081**
D_{15} (mm)	**0.150**
D_{30} (mm)	**0.208**
D_{50} (mm)	**0.271**
D_{60} (mm)	**0.309**
D_{85} (mm)	**0.444**
D_{90} (mm)	**0.553**
C_U	**3.8**
C_C	**1.7**

Soil Description:

Brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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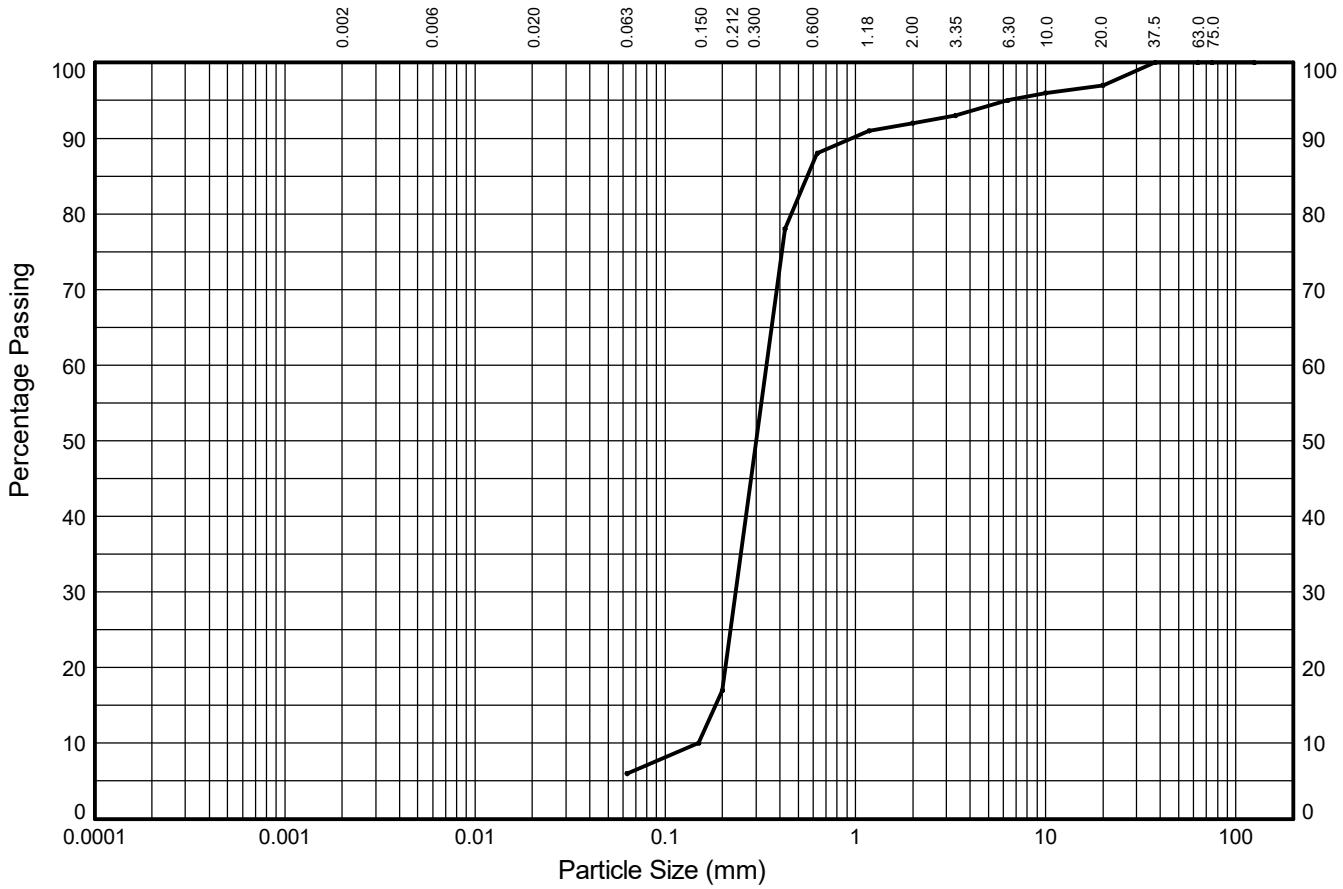
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **Group 6** Sample Ref: **1** Sample Type: **B** Depth (m): **-**



CLAY				SILT			SAND			GRAVEL			COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse				
	-	-	-	11%	71%	4%	3%	2%	3%				
6%				86%			8%						0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**97**
10.0	**96**
6.30	**95**
3.35	**93**
2.00	**92**
1.18	**91**
0.630	**88**
0.425	**78**
0.200	**17**
0.150	**10**
0.063	**6**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.150**
D_{15} (mm)	**0.184**
D_{30} (mm)	**0.235**
D_{50} (mm)	**0.301**
D_{60} (mm)	**0.340**
D_{85} (mm)	**0.560**
D_{90} (mm)	**0.957**
C_U	**2.3**
C_C	**1.1**

Soil Description:

Brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_A** Sample Ref: **3** Sample Type: **B** Depth (m): **0.40**



CLAY										
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	8%	55%	10%	6%	5%	0%	
	SILT			SAND			GRAVEL			
16%				73%			11%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**96**
6.30	**95**
3.35	**92**
2.00	**89**
1.18	**86**
0.630	**79**
0.425	**65**
0.200	**24**
0.150	**22**
0.063	**16**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**NA**
D_{30} (mm)	**0.223**
D_{50} (mm)	**0.323**
D_{60} (mm)	**0.388**
D_{85} (mm)	**1.079**
D_{90} (mm)	**2.375**
C_U	**NA**
C_C	**NA**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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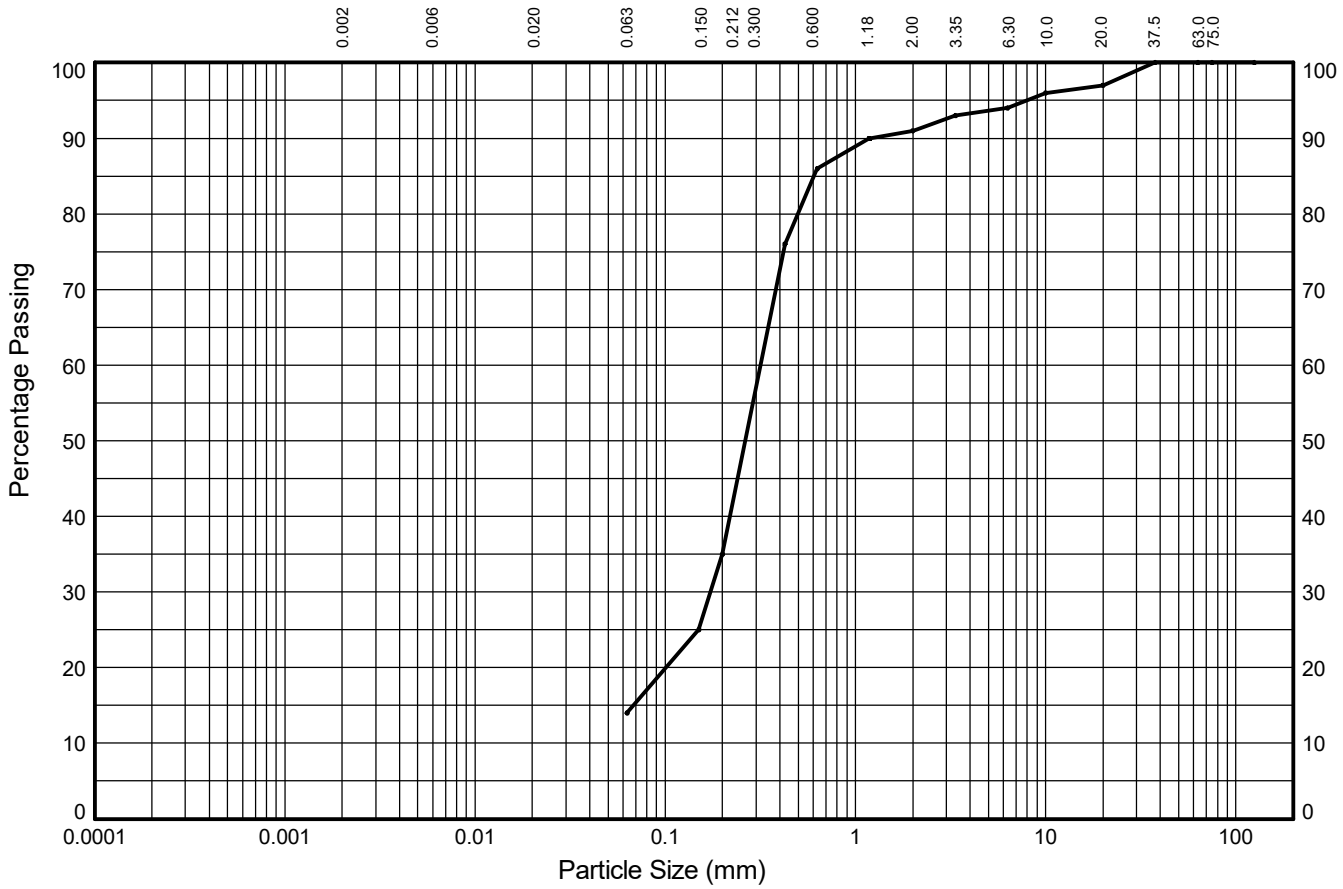
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_A** Sample Ref: **4** Sample Type: **B** Depth (m): **0.80**



CLAY				SILT			SAND			GRAVEL			COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse				
	-	-	-	21%	51%	5%	3%	3%	3%				
14%				77%			9%						0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**97**
10.0	**96**
6.30	**94**
3.35	**93**
2.00	**91**
1.18	**90**
0.630	**86**
0.425	**76**
0.200	**35**
0.150	**25**
0.063	**14**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.068**
D_{30} (mm)	**0.173**
D_{50} (mm)	**0.264**
D_{60} (mm)	**0.317**
D_{85} (mm)	**0.606**
D_{90} (mm)	**1.180**
C_U	**NA**
C_C	**NA**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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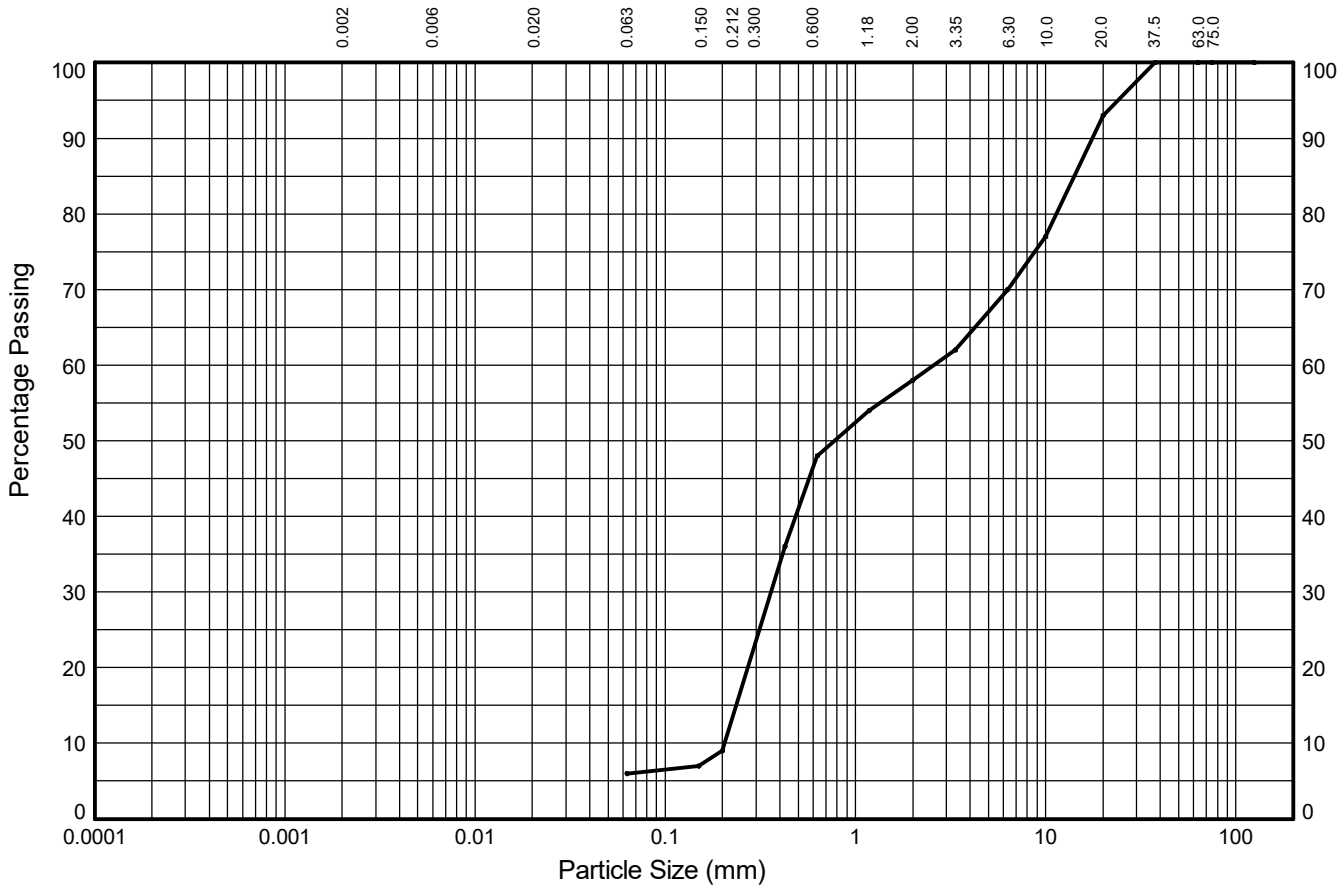
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_A** Sample Ref: **5** Sample Type: **B** Depth (m): **2.80**



CLAY				SILT			SAND			GRAVEL			COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse				
	-	-	-	3%	39%	10%	12%	23%	7%				
6%				52%			42%						0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**93**
10.0	**77**
6.30	**70**
3.35	**62**
2.00	**58**
1.18	**54**
0.630	**48**
0.425	**36**
0.200	**9**
0.150	**7**
0.063	**6**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.206**
D_{15} (mm)	**0.236**
D_{30} (mm)	**0.359**
D_{50} (mm)	**0.777**
D_{60} (mm)	**2.588**
D_{85} (mm)	**14.142**
D_{90} (mm)	**17.563**
C_U	**13**
C_C	**0.24**

Soil Description:

Orangish brown very gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_C** Sample Ref: **5** Sample Type: **B** Depth (m): **0.30**



CLAY										
fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
-	-	-	24%	51%	5%	4%	1%	1%	
SILT			SAND			GRAVEL			
14%			80%			6%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**99**
6.30	**98**
3.35	**96**
2.00	**94**
1.18	**92**
0.630	**89**
0.425	**81**
0.200	**38**
0.150	**24**
0.063	**14**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.069**
D_{30} (mm)	**0.170**
D_{50} (mm)	**0.247**
D_{60} (mm)	**0.294**
D_{85} (mm)	**0.517**
D_{90} (mm)	**0.777**
C_U	**NA**
C_C	**NA**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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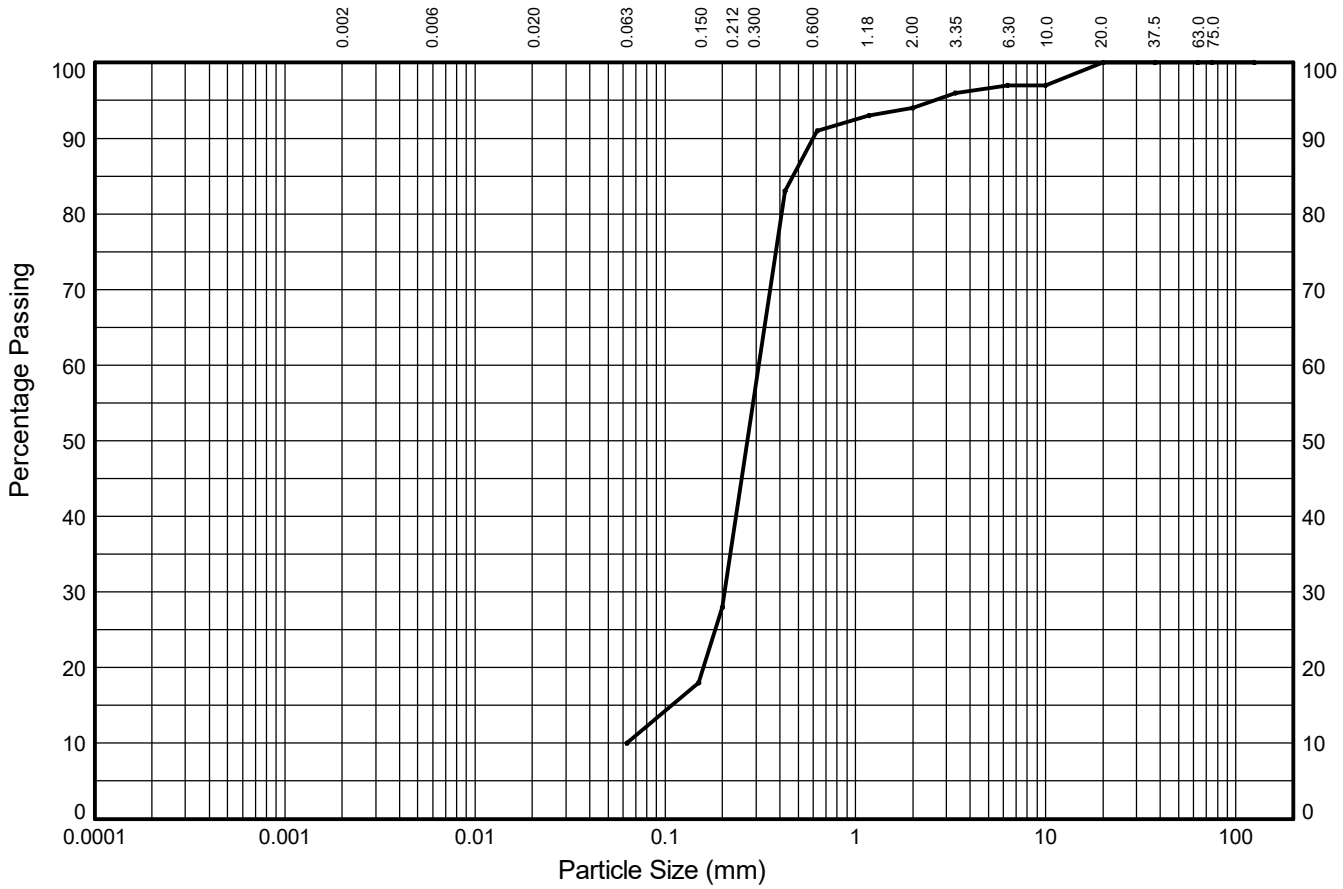
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_C** Sample Ref: **7** Sample Type: **B** Depth (m): **1.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	18%	63%	3%	3%	3%	0%	
	SILT			SAND			GRAVEL			
10%				84%			6%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**97**
6.30	**97**
3.35	**96**
2.00	**94**
1.18	**93**
0.630	**91**
0.425	**83**
0.200	**28**
0.150	**18**
0.063	**10**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.063**
D_{15} (mm)	**0.108**
D_{30} (mm)	**0.206**
D_{50} (mm)	**0.270**
D_{60} (mm)	**0.310**
D_{85} (mm)	**0.469**
D_{90} (mm)	**0.600**
C_U	**4.9**
C_C	**2.2**

Soil Description:
Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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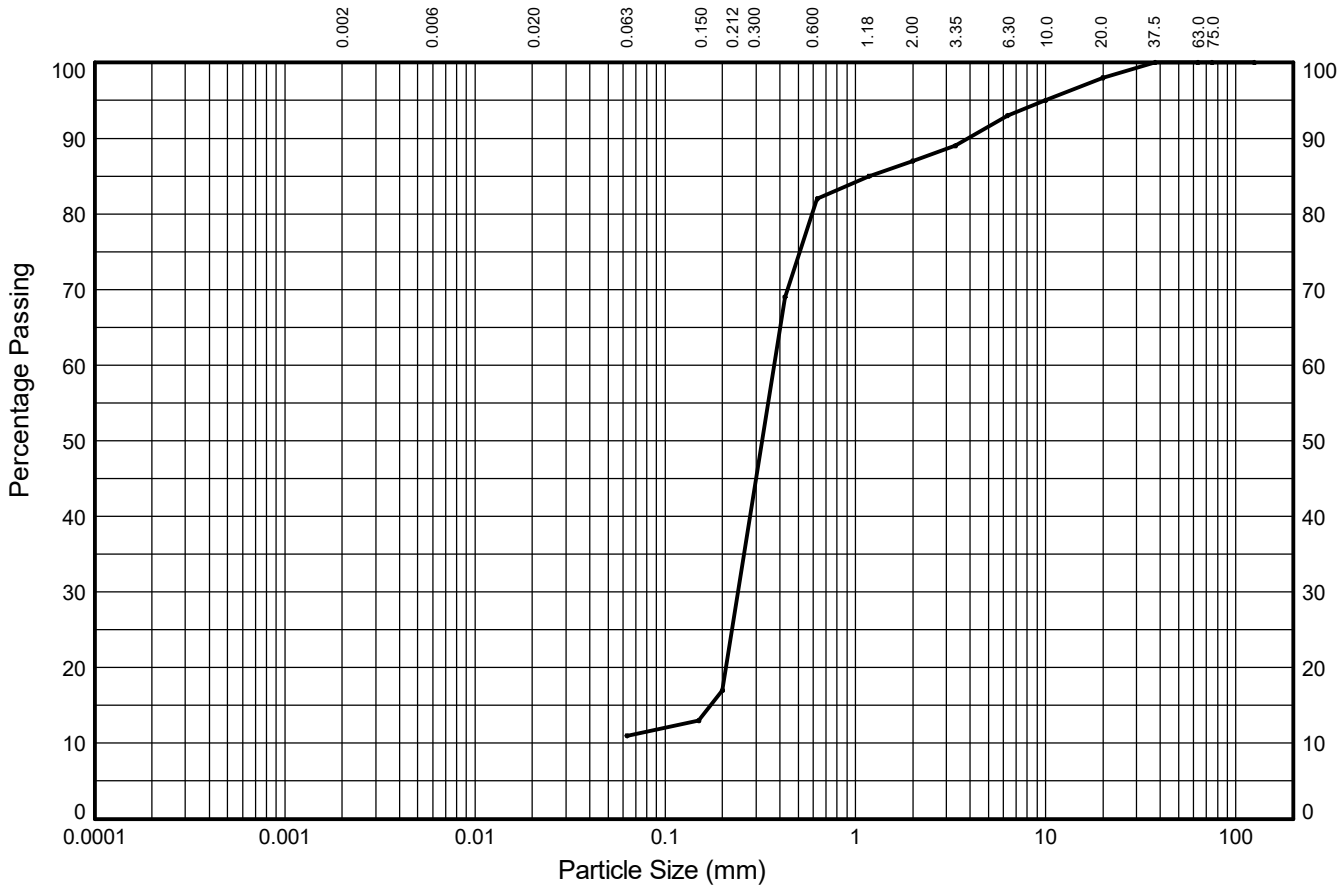
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PARTICLE SIZE DISTRIBUTION TEST

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NON-STANDARD TEST

Position ID: **MGS2019_C** Sample Ref: **9** Sample Type: **LB** Depth (m): **2.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	6%	65%	5%	6%	5%	2%	
	SILT			SAND			GRAVEL			
11%				76%			13%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**98**
10.0	**95**
6.30	**93**
3.35	**89**
2.00	**87**
1.18	**85**
0.630	**82**
0.425	**69**
0.200	**17**
0.150	**13**
0.063	**11**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.173**
D_{30} (mm)	**0.241**
D_{50} (mm)	**0.323**
D_{60} (mm)	**0.373**
D_{85} (mm)	**1.180**
D_{90} (mm)	**3.923**
C_U	**NA**
C_C	**NA**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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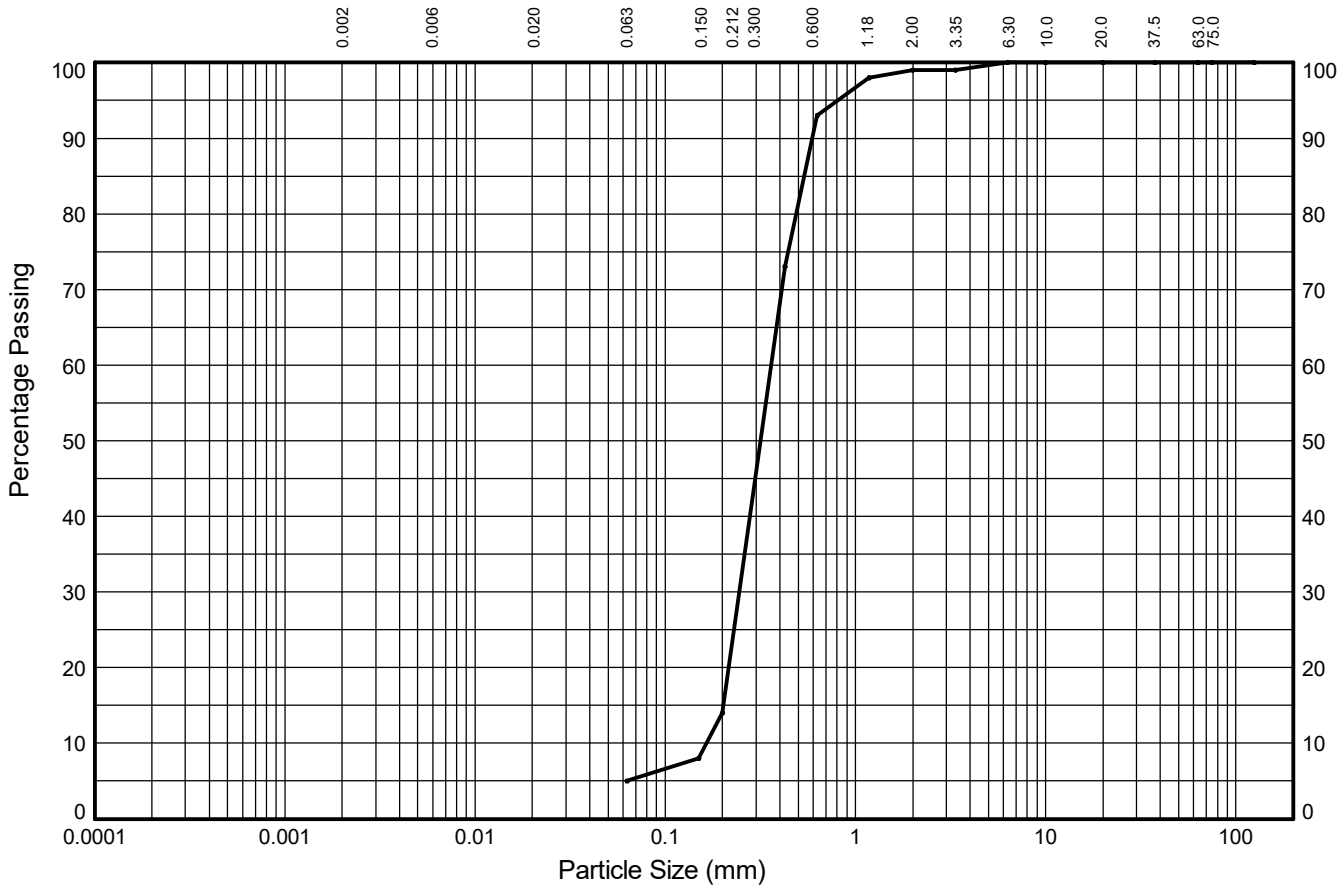
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PARTICLE SIZE DISTRIBUTION TEST

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NON-STANDARD TEST

Position ID: **MGS2019_D** Sample Ref: **4** Sample Type: **B** Depth (m): **0.40**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	9%	79%	6%	1%	0%	0%	
	SILT			SAND			GRAVEL			
5%				94%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**99**
1.18	**98**
0.630	**93**
0.425	**73**
0.200	**14**
0.150	**8**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.165**
D_{15} (mm)	**0.203**
D_{30} (mm)	**0.245**
D_{50} (mm)	**0.317**
D_{60} (mm)	**0.360**
D_{85} (mm)	**0.538**
D_{90} (mm)	**0.594**
C_U	**2.2**
C_C	**1.0**

Soil Description:

Light orangish brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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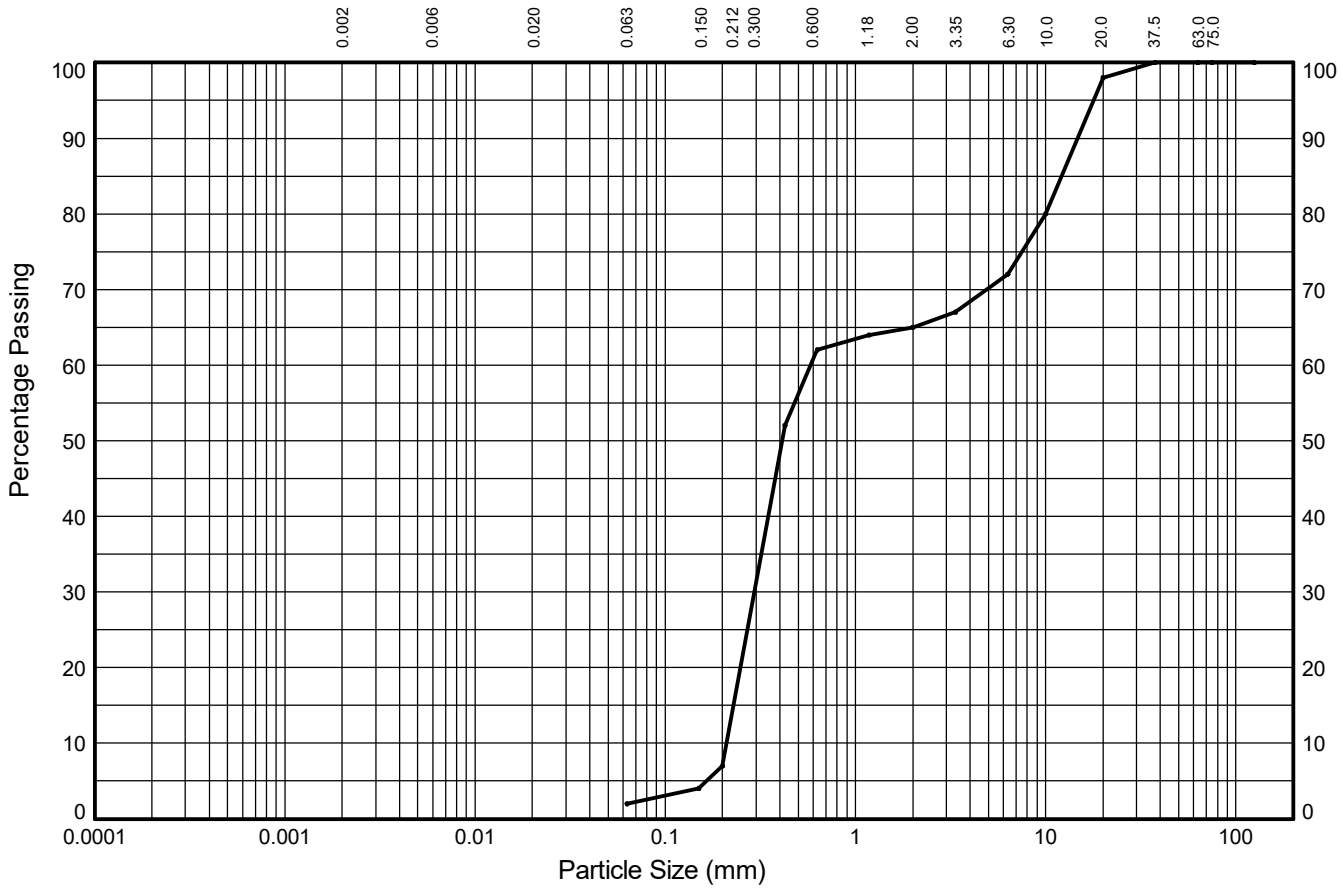
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PARTICLE SIZE DISTRIBUTION TEST

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NON-STANDARD TEST

Position ID: **MGS2019_D** Sample Ref: **5** Sample Type: **B** Depth (m): **0.80**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	5%	55%	3%	7%	26%	2%	
	SILT			SAND			GRAVEL			
2%				63%			35%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**98**
10.0	**80**
6.30	**72**
3.35	**67**
2.00	**65**
1.18	**64**
0.630	**62**
0.425	**52**
0.200	**7**
0.150	**4**
0.063	**2**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.210**
D_{15} (mm)	**0.229**
D_{30} (mm)	**0.294**
D_{50} (mm)	**0.411**
D_{60} (mm)	**0.582**
D_{85} (mm)	**12.123**
D_{90} (mm)	**14.697**
C_U	**2.8**
C_C	**0.71**

Soil Description:

Brown very gravelly slightly silty SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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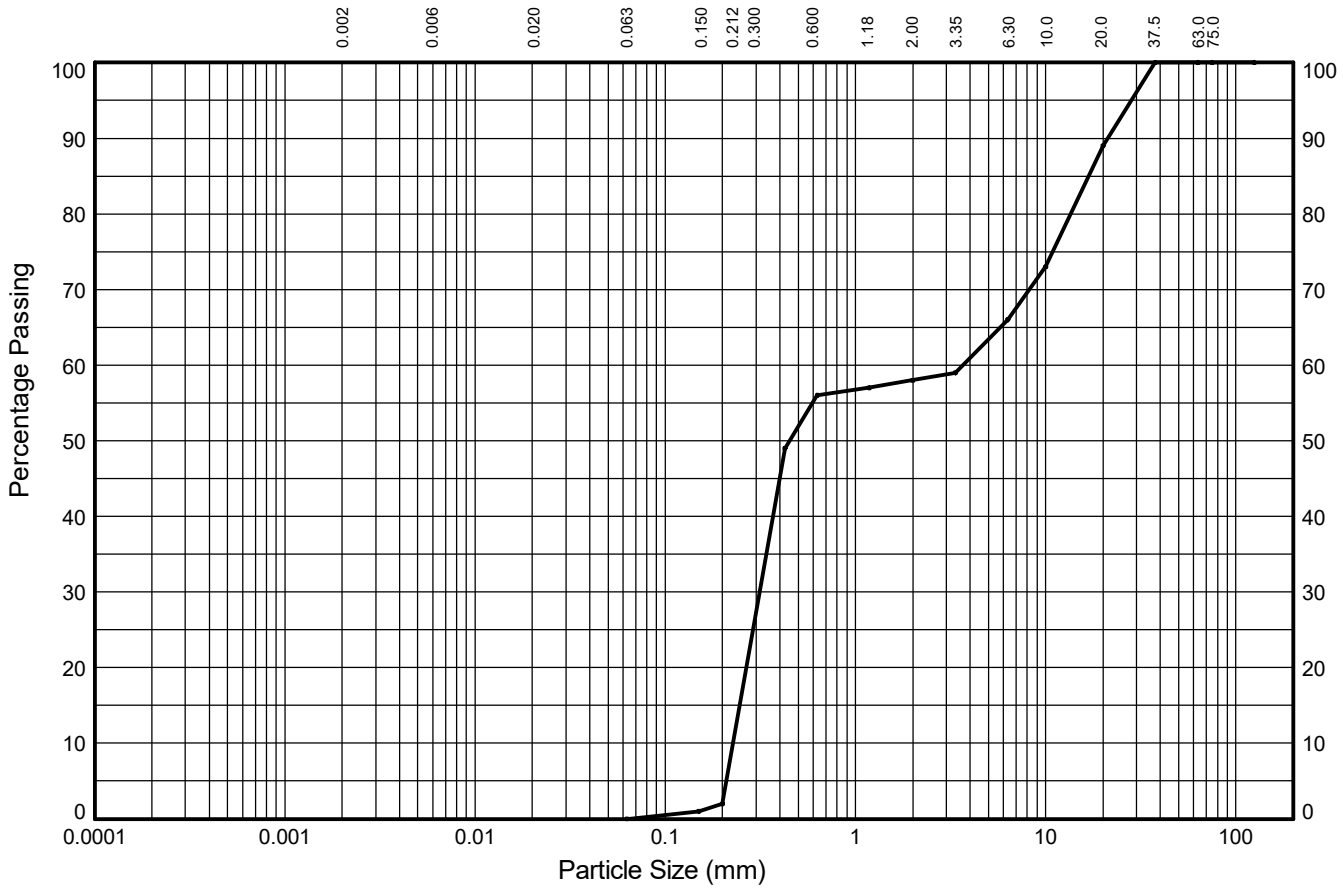
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PARTICLE SIZE DISTRIBUTION TEST

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NON-STANDARD TEST

Position ID: **MGS2019_D** Sample Ref: **6** Sample Type: **B** Depth (m): **1.80**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	2%	54%	2%	8%	23%	11%	
	SILT			SAND			GRAVEL			
0%				58%			42%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**89**
10.0	**73**
6.30	**66**
3.35	**59**
2.00	**58**
1.18	**57**
0.630	**56**
0.425	**49**
0.200	**2**
0.150	**1**
0.063	**0**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.227**
D_{15} (mm)	**0.246**
D_{30} (mm)	**0.313**
D_{50} (mm)	**0.450**
D_{60} (mm)	**3.666**
D_{85} (mm)	**16.818**
D_{90} (mm)	**21.176**
C_U	**16**
C_C	**0.12**

Soil Description:
Dark brown very gravelly SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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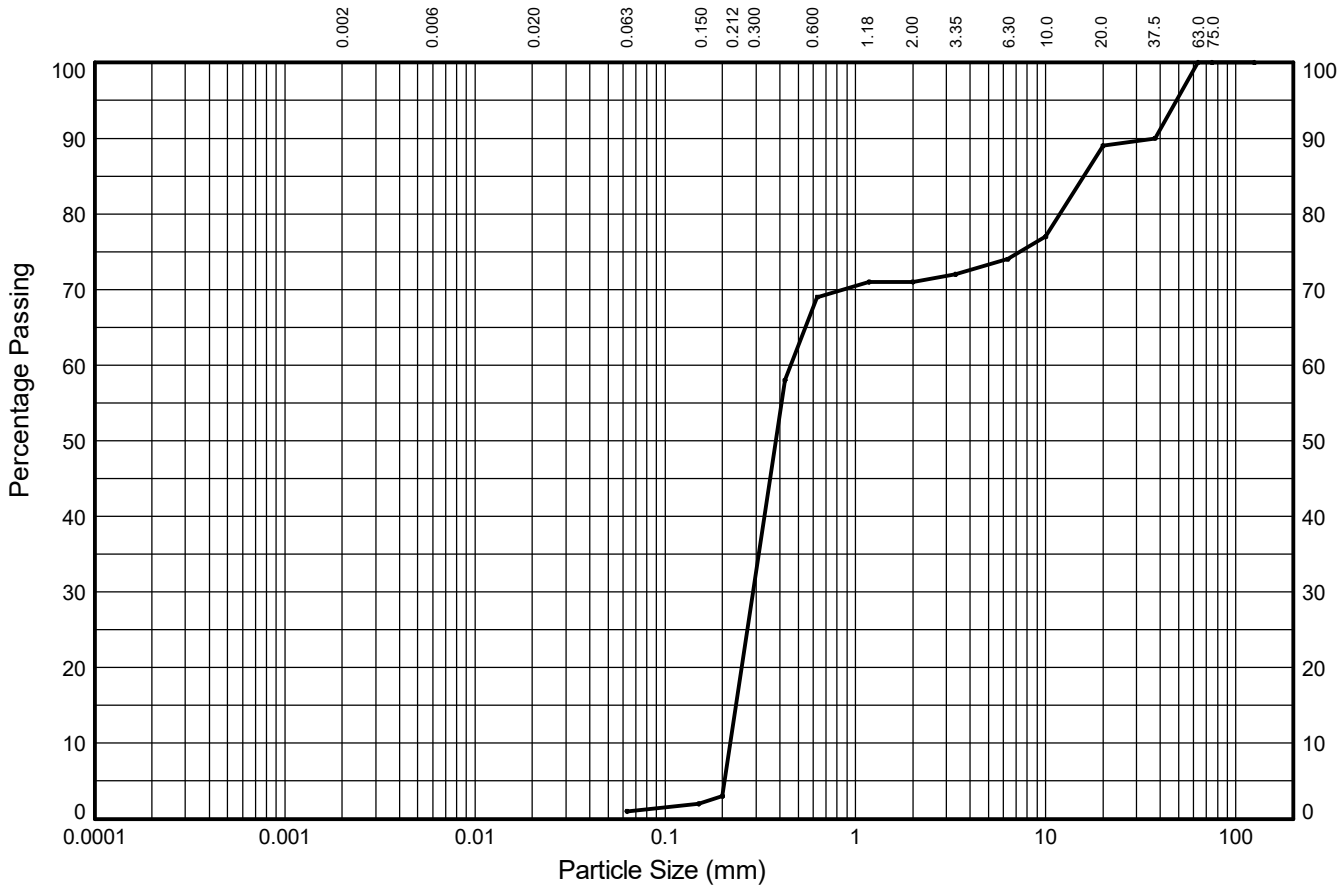
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_D** Sample Ref: **7** Sample Type: **B** Depth (m): **2.90**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	2%	66%	2%	3%	15%	11%	
	SILT			SAND			GRAVEL			
1%				70%			29%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**90**
20.0	**89**
10.0	**77**
6.30	**74**
3.35	**72**
2.00	**71**
1.18	**71**
0.630	**69**
0.425	**58**
0.200	**3**
0.150	**2**
0.063	**1**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.220**
D_{15} (mm)	**0.236**
D_{30} (mm)	**0.290**
D_{50} (mm)	**0.381**
D_{60} (mm)	**0.457**
D_{85} (mm)	**15.874**
D_{90} (mm)	**37.500**
C_U	**2.1**
C_C	**0.83**

Soil Description:

Dark grey very gravelly slightly silty SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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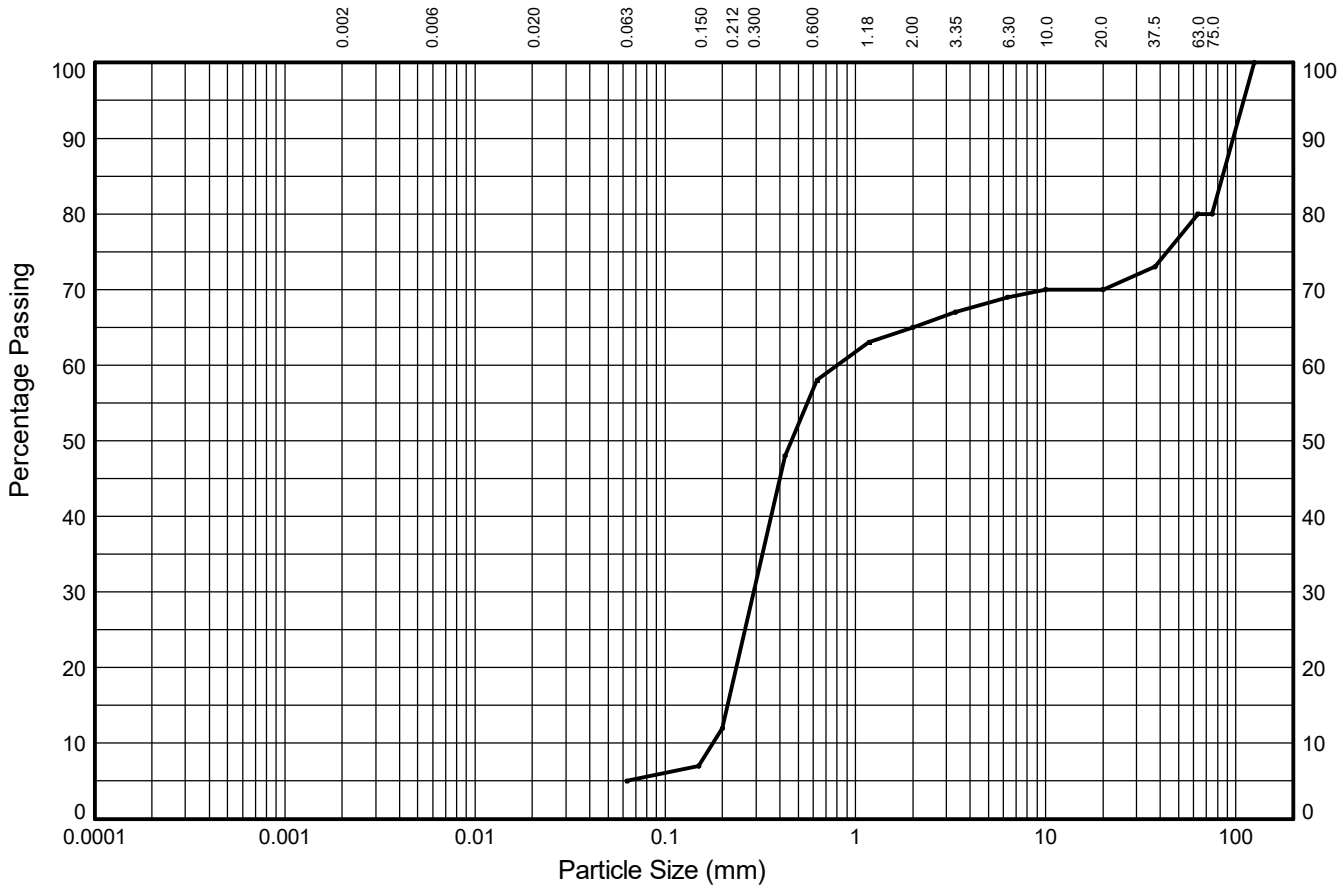
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_E** Sample Ref: **1** Sample Type: **B** Depth (m): **0.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	7%	46%	7%	4%	1%	10%	
	SILT			SAND			GRAVEL			
5%				60%			15%			20%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**80**
63.0	**80**
37.5	**73**
20.0	**70**
10.0	**70**
6.30	**69**
3.35	**67**
2.00	**65**
1.18	**63**
0.630	**58**
0.425	**48**
0.200	**12**
0.150	**7**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.178**
D_{15} (mm)	**0.213**
D_{30} (mm)	**0.292**
D_{50} (mm)	**0.460**
D_{60} (mm)	**0.810**
D_{85} (mm)	**85.216**
D_{90} (mm)	**96.825**
C_U	**4.5**
C_C	**0.59**

Soil Description:

Orangish brown gravelly slightly silty/clayey SAND with high cobble content

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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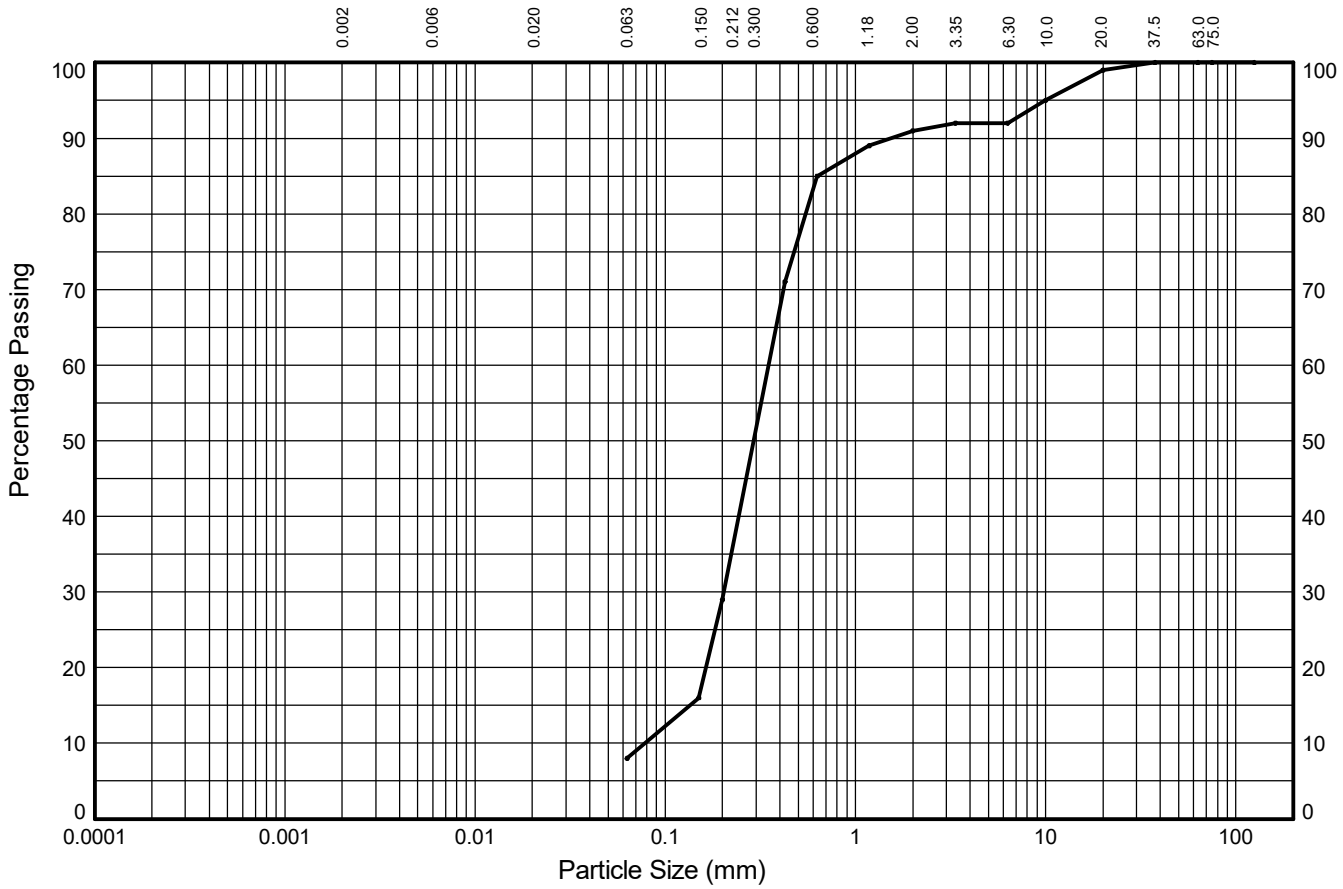
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PARTICLE SIZE DISTRIBUTION TEST

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NON-STANDARD TEST

Position ID: **MGS2019_E1** Sample Ref: **3** Sample Type: **B** Depth (m): **2.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	21%	56%	6%	1%	7%	1%	
	SILT			SAND			GRAVEL			
8%				83%			9%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**95**
6.30	**92**
3.35	**92**
2.00	**91**
1.18	**89**
0.630	**85**
0.425	**71**
0.200	**29**
0.150	**16**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.078**
D_{15} (mm)	**0.135**
D_{30} (mm)	**0.204**
D_{50} (mm)	**0.292**
D_{60} (mm)	**0.349**
D_{85} (mm)	**0.630**
D_{90} (mm)	**1.536**
C_U	**4.5**
C_C	**1.5**

Soil Description:

Dark brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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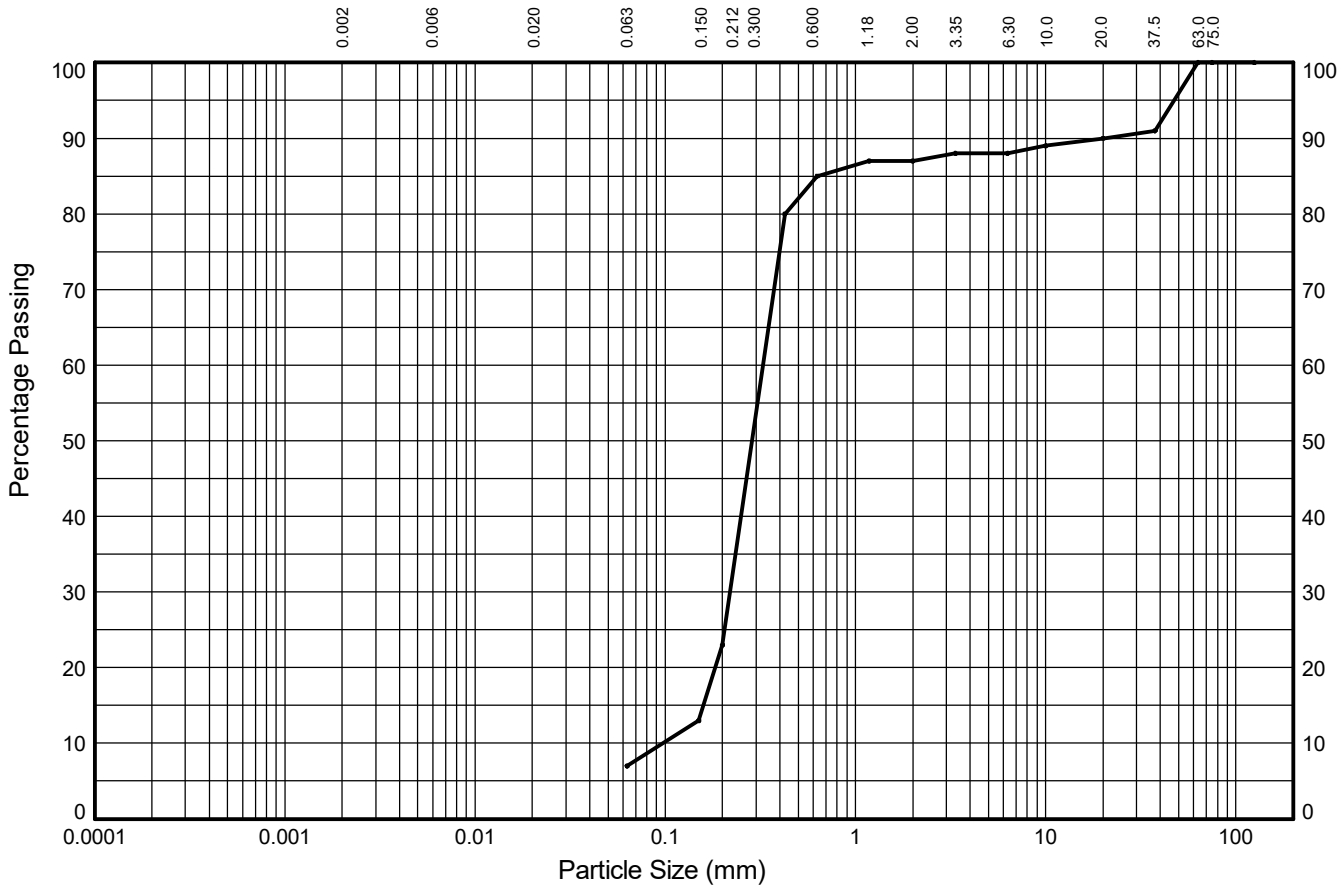
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_F** Sample Ref: **4** Sample Type: **B** Depth (m): **0.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	16%	62%	2%	1%	2%	10%	
	SILT			SAND			GRAVEL			
7%				80%			13%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**91**
20.0	**90**
10.0	**89**
6.30	**88**
3.35	**88**
2.00	**87**
1.18	**87**
0.630	**85**
0.425	**80**
0.200	**23**
0.150	**13**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.097**
D_{15} (mm)	**0.159**
D_{30} (mm)	**0.219**
D_{50} (mm)	**0.286**
D_{60} (mm)	**0.326**
D_{85} (mm)	**0.630**
D_{90} (mm)	**20.000**
C_U	**3.4**
C_C	**1.5**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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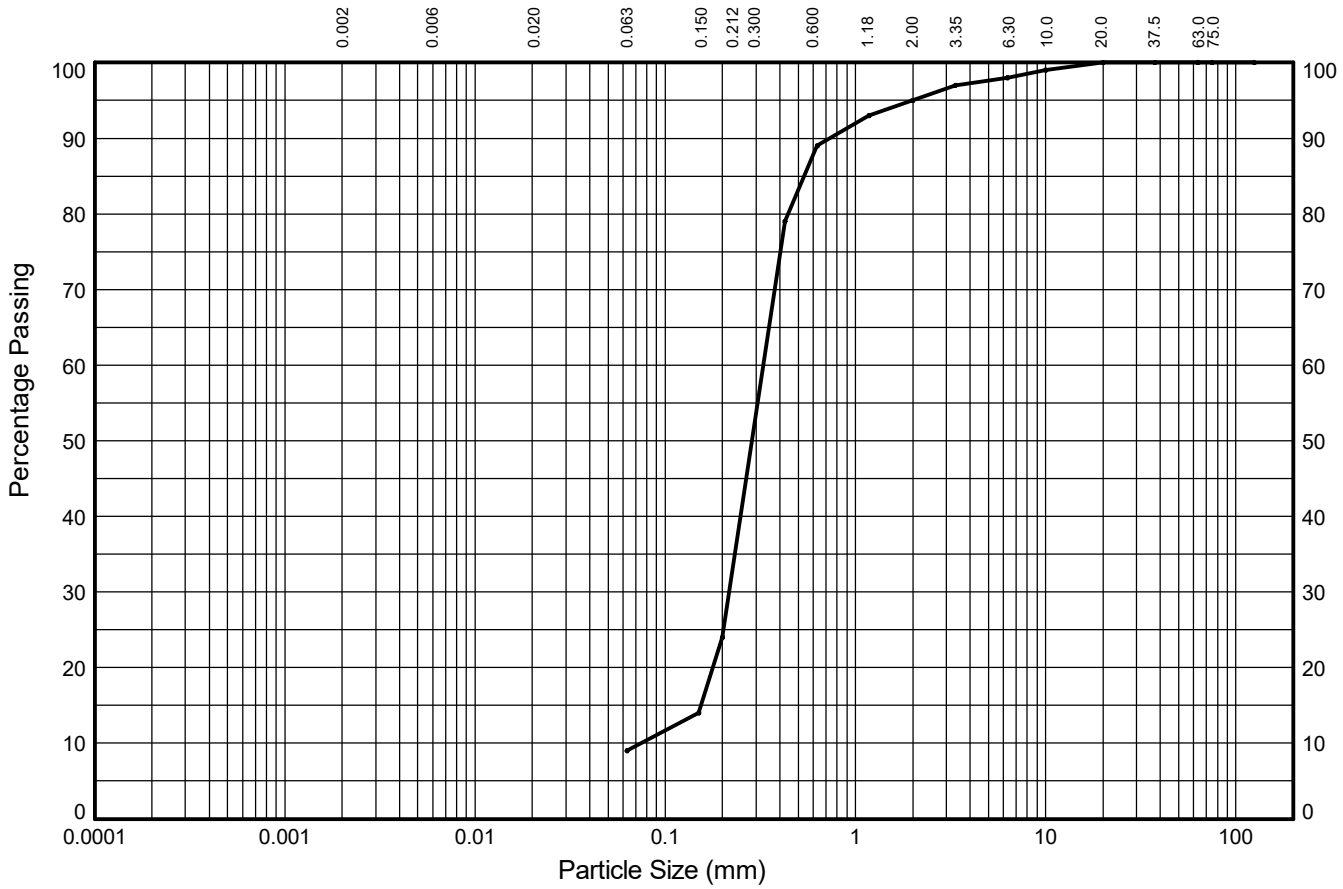
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PARTICLE SIZE DISTRIBUTION TEST

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NON-STANDARD TEST

Position ID: **MGS2019_F** Sample Ref: **6** Sample Type: **B** Depth (m): **0.90**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	15%	65%	6%	3%	2%	0%	
	SILT			SAND			GRAVEL			
9%				86%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**97**
2.00	**95**
1.18	**93**
0.630	**89**
0.425	**79**
0.200	**24**
0.150	**14**
0.063	**9**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.075**
D_{15} (mm)	**0.154**
D_{30} (mm)	**0.217**
D_{50} (mm)	**0.286**
D_{60} (mm)	**0.328**
D_{85} (mm)	**0.538**
D_{90} (mm)	**0.737**
C_U	**4.4**
C_C	**1.9**

Soil Description:

Brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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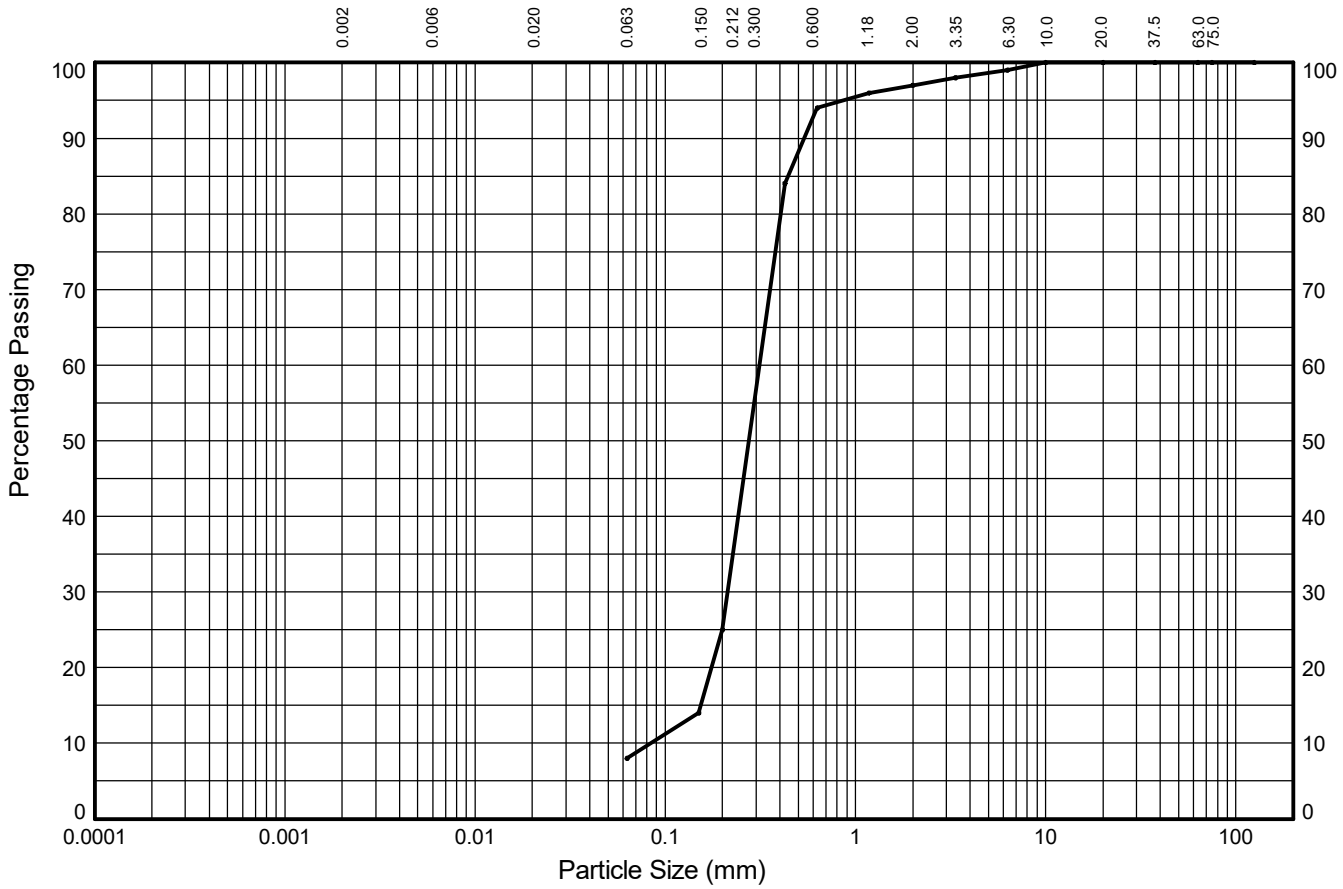
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_F** Sample Ref: **8** Sample Type: **B** Depth (m): **1.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	17%	69%	3%	2%	1%	0%	
	SILT			SAND			GRAVEL			
8%				89%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**98**
2.00	**97**
1.18	**96**
0.630	**94**
0.425	**84**
0.200	**25**
0.150	**14**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.084**
D_{15} (mm)	**0.154**
D_{30} (mm)	**0.213**
D_{50} (mm)	**0.275**
D_{60} (mm)	**0.313**
D_{85} (mm)	**0.442**
D_{90} (mm)	**0.538**
C_U	**3.7**
C_C	**1.7**

Soil Description:

Dark brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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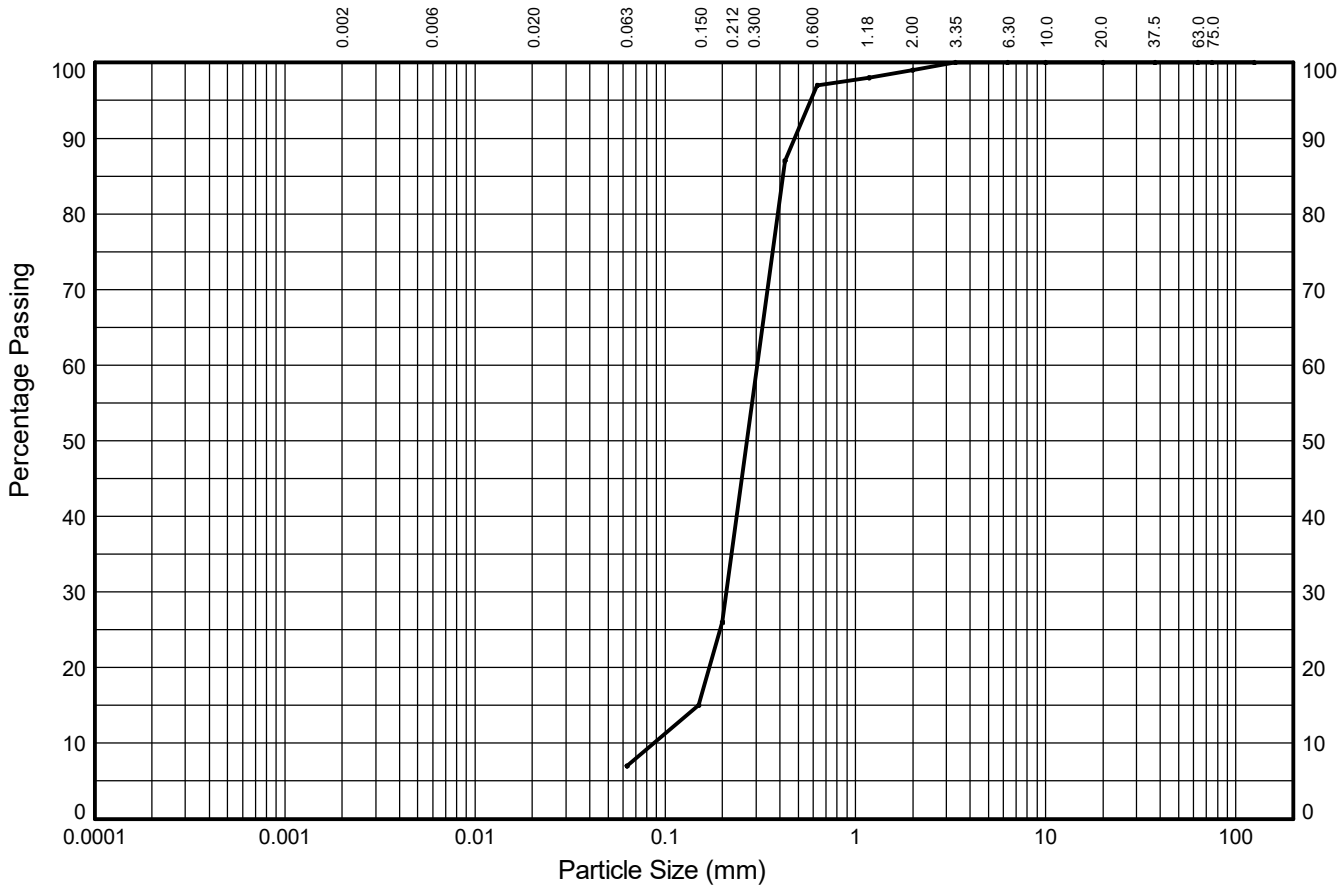
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Sizewell C Onshore GI Phase 2 2019	**734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_F** Sample Ref: **10** Sample Type: **B** Depth (m): **2.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	19%	71%	2%	1%	0%	0%	
	SILT			SAND			GRAVEL			
7%				92%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**99**
1.18	**98**
0.630	**97**
0.425	**87**
0.200	**26**
0.150	**15**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.087**
D_{15} (mm)	**0.150**
D_{30} (mm)	**0.210**
D_{50} (mm)	**0.269**
D_{60} (mm)	**0.304**
D_{85} (mm)	**0.415**
D_{90} (mm)	**0.478**
C_U	**3.5**
C_C	**1.7**

Soil Description:

Dark brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted]	**CONNEL MCLAUGHLIN**	**07/03/20**

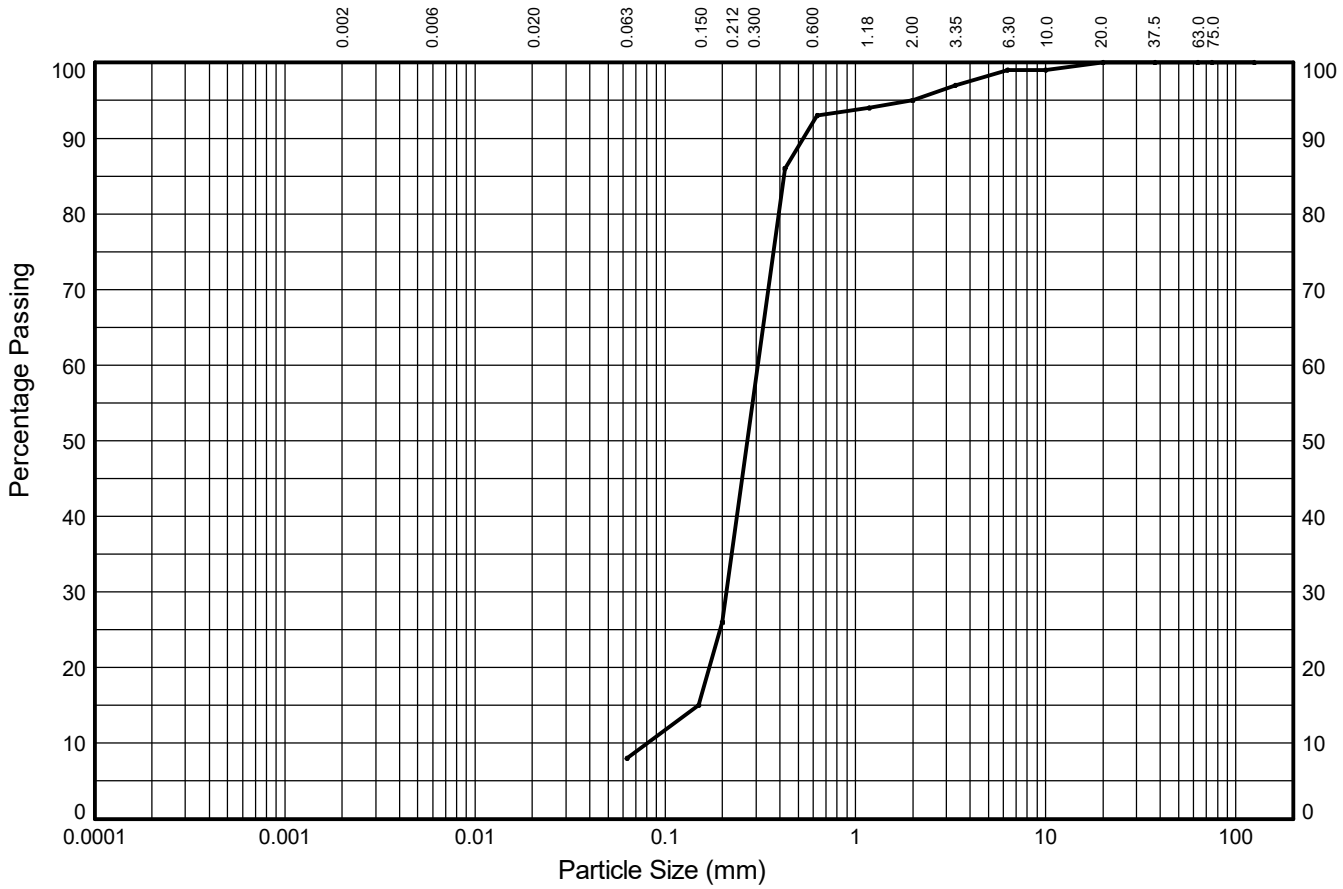
Contract	Contract Ref:
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_H** Sample Ref: **3** Sample Type: **B** Depth (m): **0.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	18%	67%	2%	4%	1%	0%	
	SILT			SAND			GRAVEL			
8%				87%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**99**
3.35	**97**
2.00	**95**
1.18	**94**
0.630	**93**
0.425	**86**
0.200	**26**
0.150	**15**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.081**
D_{15} (mm)	**0.150**
D_{30} (mm)	**0.210**
D_{50} (mm)	**0.270**
D_{60} (mm)	**0.307**
D_{85} (mm)	**0.420**
D_{90} (mm)	**0.532**
C_U	**3.8**
C_C	**1.8**

Soil Description:

Orangish brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted]	**LUKE FISHER**	**07/03/20**

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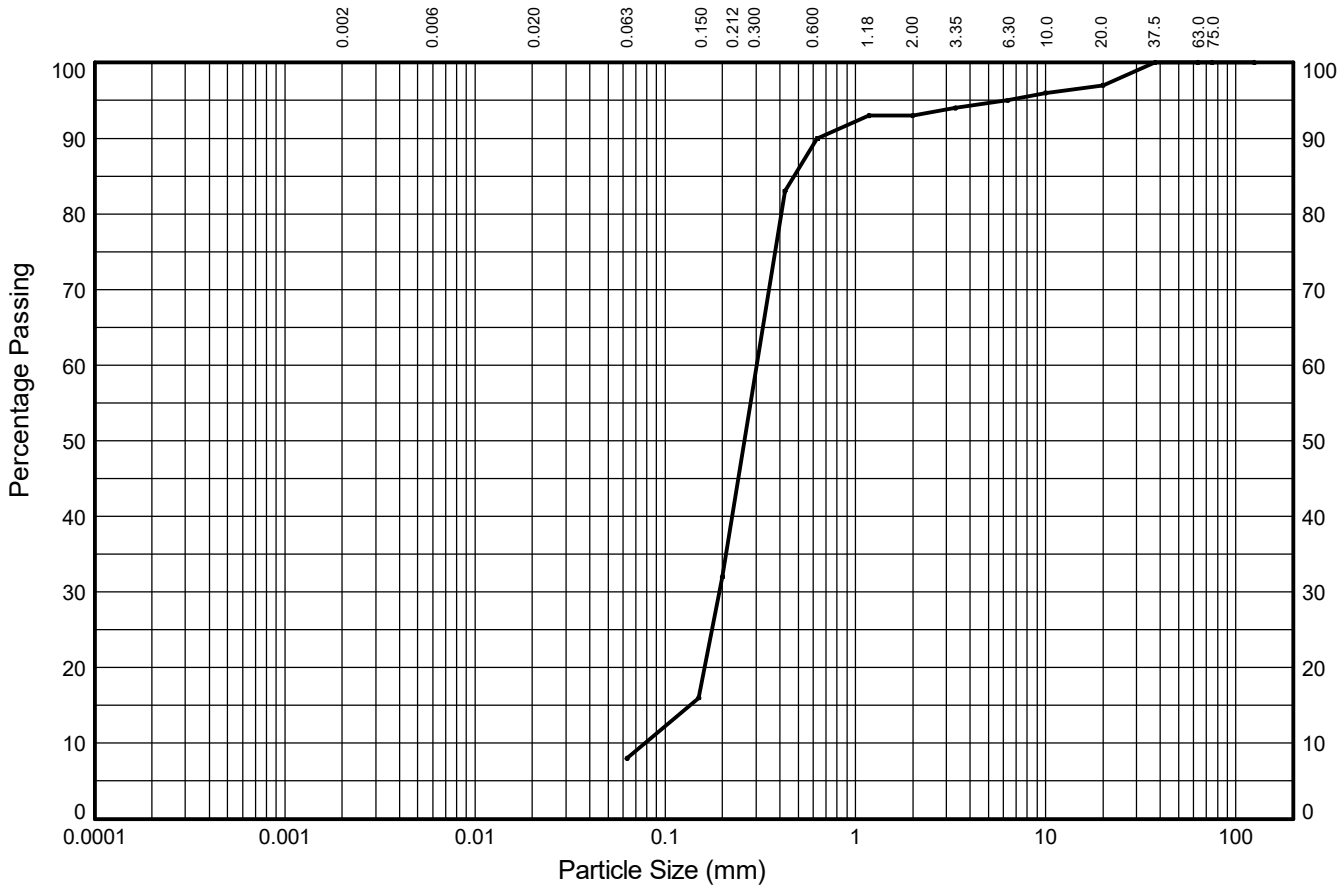
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_H** Sample Ref: **5** Sample Type: **LB** Depth (m): **1.40**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	24%	58%	3%	2%	2%	3%	
	SILT			SAND			GRAVEL			
8%				85%			7%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**97**
10.0	**96**
6.30	**95**
3.35	**94**
2.00	**93**
1.18	**93**
0.630	**90**
0.425	**83**
0.200	**32**
0.150	**16**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.078**
D_{15} (mm)	**0.135**
D_{30} (mm)	**0.193**
D_{50} (mm)	**0.261**
D_{60} (mm)	**0.303**
D_{85} (mm)	**0.476**
D_{90} (mm)	**0.630**
C_U	**3.9**
C_C	**1.6**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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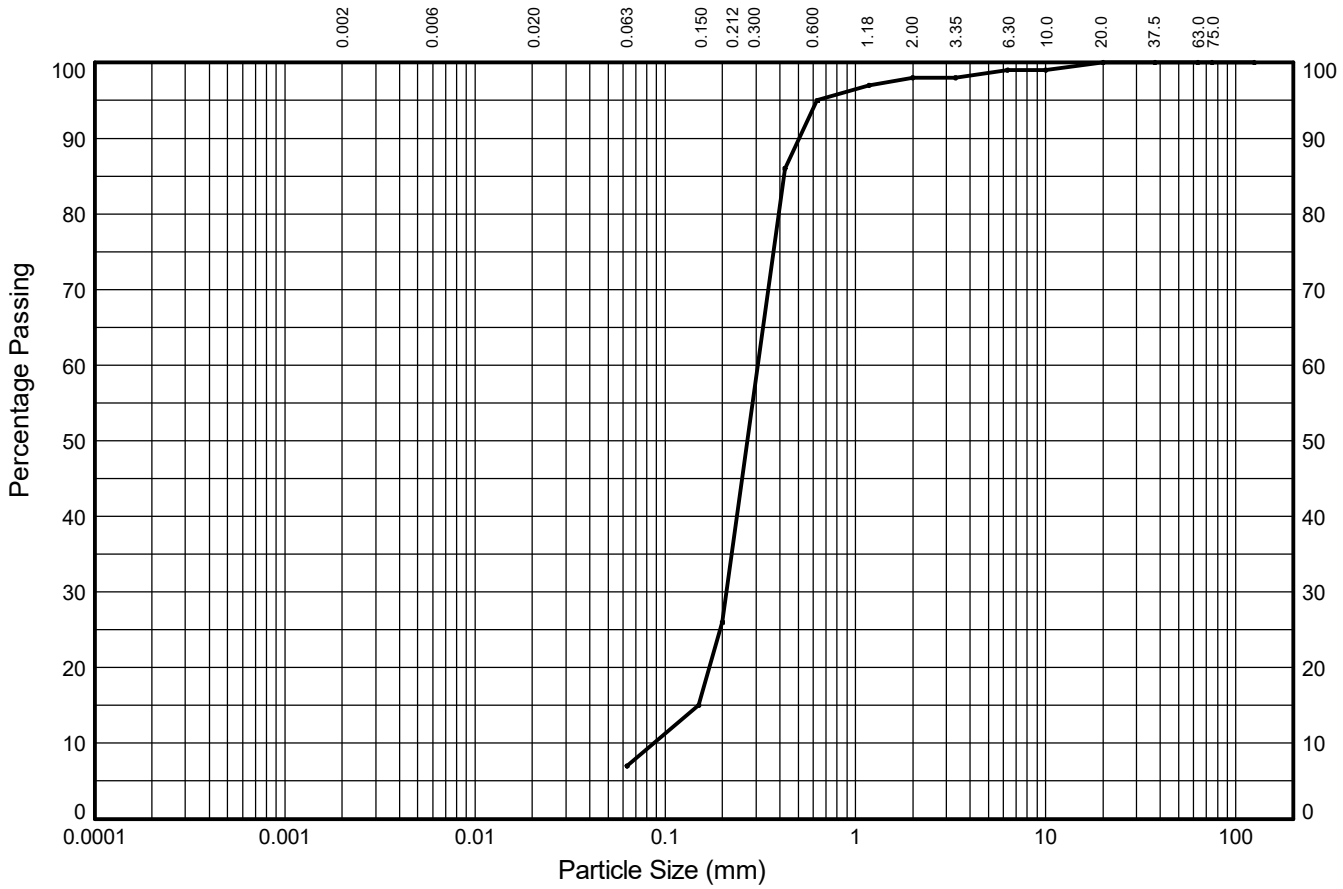
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_I** Sample Ref: **3** Sample Type: **B** Depth (m): **0.05**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	19%	69%	3%	1%	1%	0%	
	SILT			SAND			GRAVEL			
7%				91%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**99**
3.35	**98**
2.00	**98**
1.18	**97**
0.630	**95**
0.425	**86**
0.200	**26**
0.150	**15**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.087**
D_{15} (mm)	**0.150**
D_{30} (mm)	**0.210**
D_{50} (mm)	**0.270**
D_{60} (mm)	**0.307**
D_{85} (mm)	**0.420**
D_{90} (mm)	**0.506**
C_U	**3.5**
C_C	**1.7**

Soil Description:

Dark yellowish brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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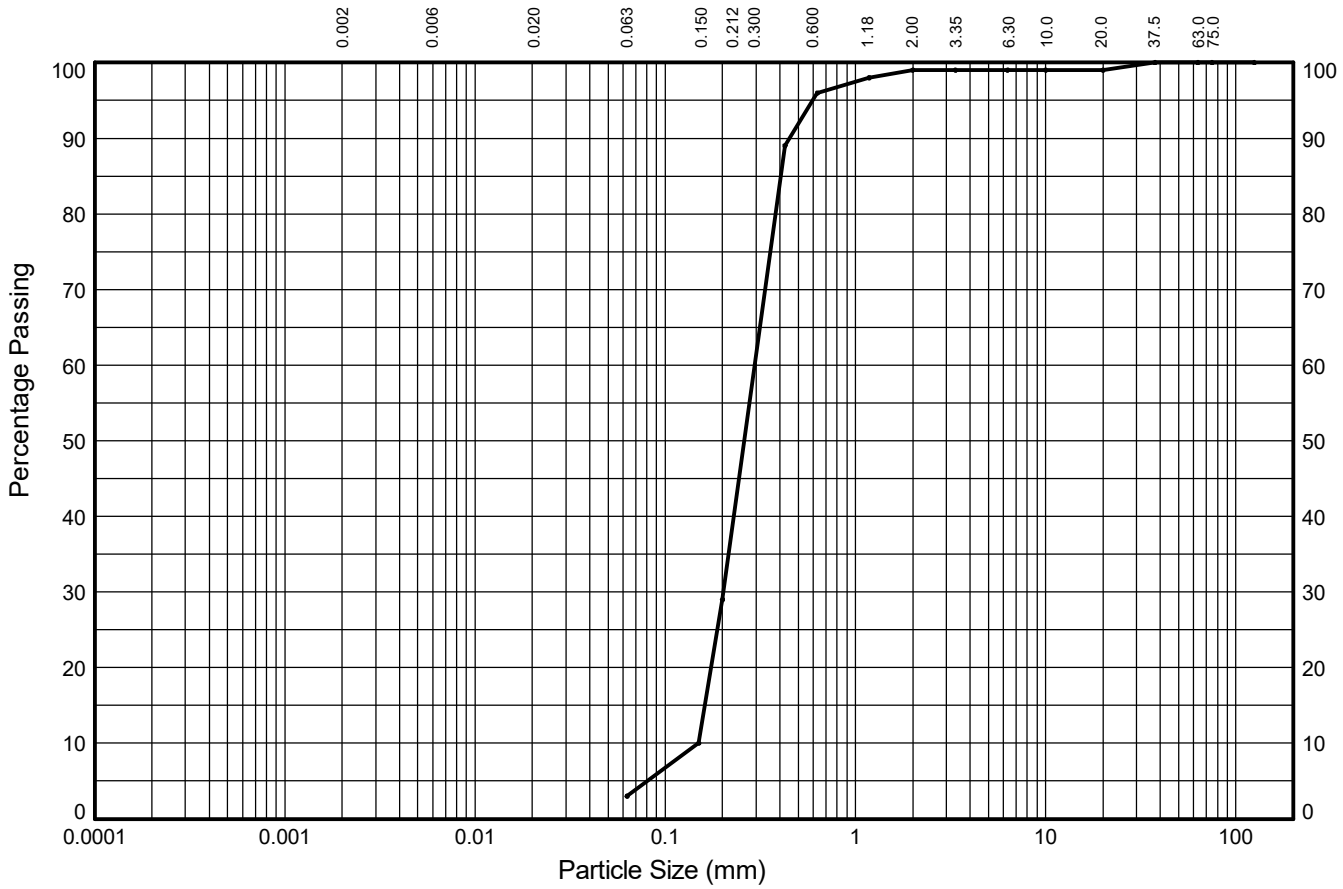
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_I** Sample Ref: **5** Sample Type: **B** Depth (m): **0.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	26%	67%	3%	0%	0%	1%	
	SILT			SAND			GRAVEL			
3%				96%			1%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**99**
6.30	**99**
3.35	**99**
2.00	**99**
1.18	**98**
0.630	**96**
0.425	**89**
0.200	**29**
0.150	**10**
0.063	**3**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.150**
D_{15} (mm)	**0.162**
D_{30} (mm)	**0.203**
D_{50} (mm)	**0.260**
D_{60} (mm)	**0.295**
D_{85} (mm)	**0.404**
D_{90} (mm)	**0.450**
C_U	**2.0**
C_C	**0.93**

Soil Description:

Dark yellowish brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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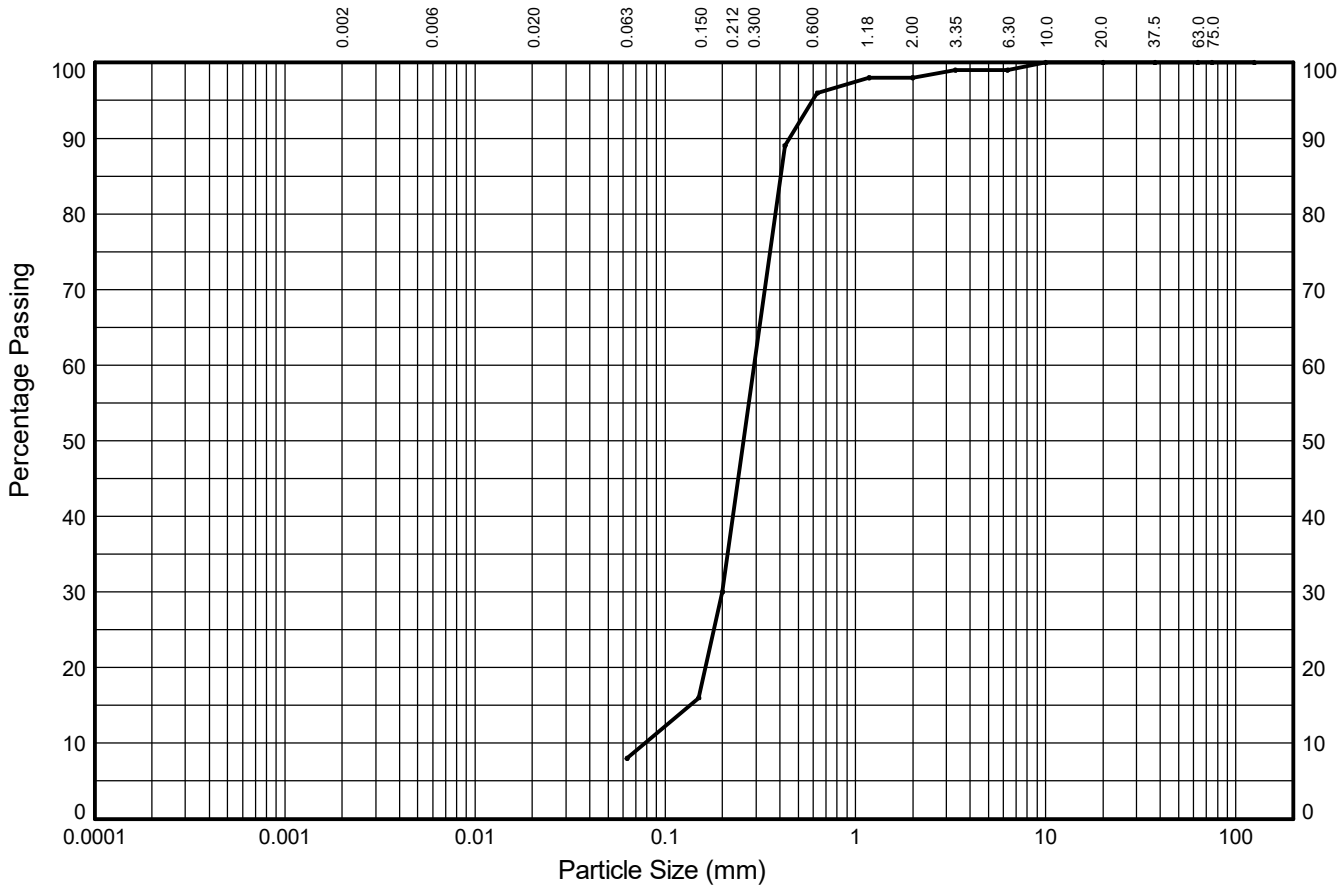
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_I** Sample Ref: **7** Sample Type: **B** Depth (m): **1.10**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	22%	66%	2%	1%	1%	0%	
	SILT			SAND			GRAVEL			
8%				90%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**99**
2.00	**98**
1.18	**98**
0.630	**96**
0.425	**89**
0.200	**30**
0.150	**16**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.078**
D_{15} (mm)	**0.135**
D_{30} (mm)	**0.200**
D_{50} (mm)	**0.258**
D_{60} (mm)	**0.293**
D_{85} (mm)	**0.404**
D_{90} (mm)	**0.450**
C_U	**3.7**
C_C	**1.7**

Soil Description:

Dark yellowish brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract: **Sizewell C Onshore GI Phase 2 2019**

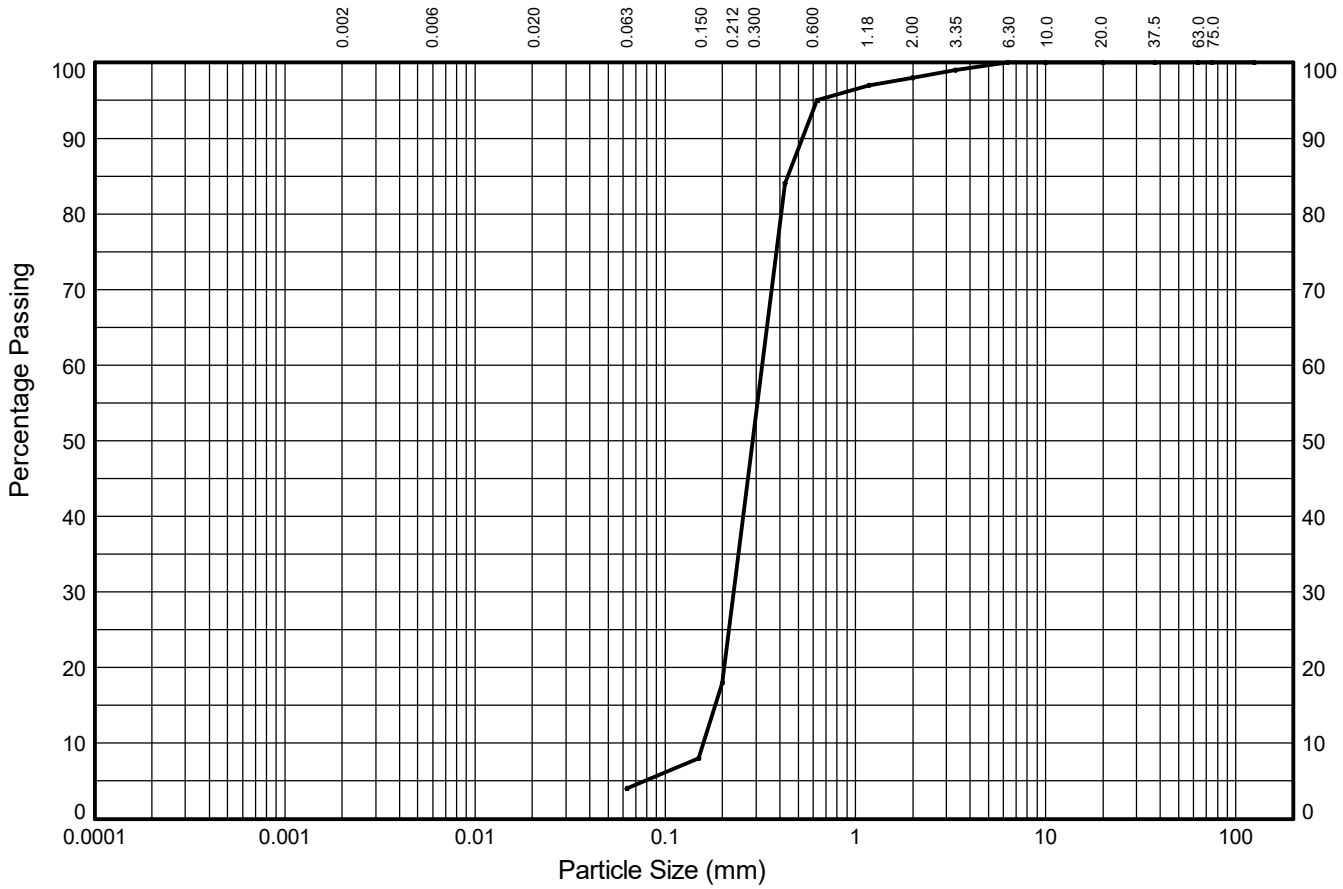
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_I** Sample Ref: **9** Sample Type: **B** Depth (m): **2.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	14%	77%	3%	2%	0%	0%	
	SILT			SAND			GRAVEL			
4%				94%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**99**
2.00	**98**
1.18	**97**
0.630	**95**
0.425	**84**
0.200	**18**
0.150	**8**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.159**
D_{15} (mm)	**0.183**
D_{30} (mm)	**0.229**
D_{50} (mm)	**0.288**
D_{60} (mm)	**0.323**
D_{85} (mm)	**0.440**
D_{90} (mm)	**0.527**
C_U	**2.0**
C_C	**1.0**

Soil Description:

Dark yellowish brown slightly gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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[redacted] FRANCESCA BENNETT	07/03/20

Contract	Contract Ref:
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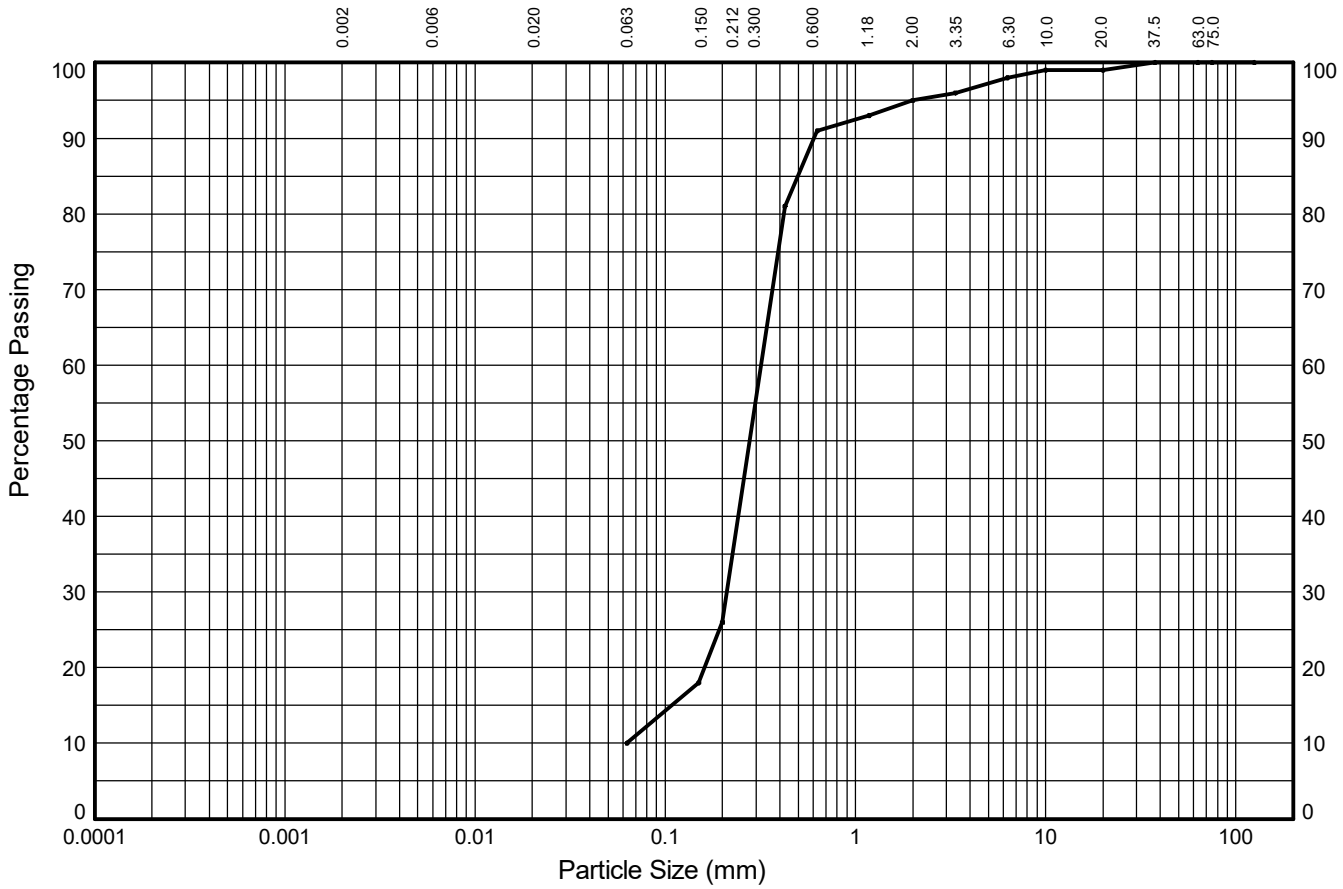
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_J** Sample Ref: **3** Sample Type: **B** Depth (m): **0.10**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	16%	65%	4%	3%	1%	1%	
	SILT			SAND			GRAVEL			
10%				85%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**99**
6.30	**98**
3.35	**96**
2.00	**95**
1.18	**93**
0.630	**91**
0.425	**81**
0.200	**26**
0.150	**18**
0.063	**10**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.063**
D_{15} (mm)	**0.108**
D_{30} (mm)	**0.211**
D_{50} (mm)	**0.278**
D_{60} (mm)	**0.319**
D_{85} (mm)	**0.497**
D_{90} (mm)	**0.606**
C_U	**5.1**
C_C	**2.2**

Soil Description:

Orangish brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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LORNA WHITWORTH	07/03/20

Contract	Contract Ref:
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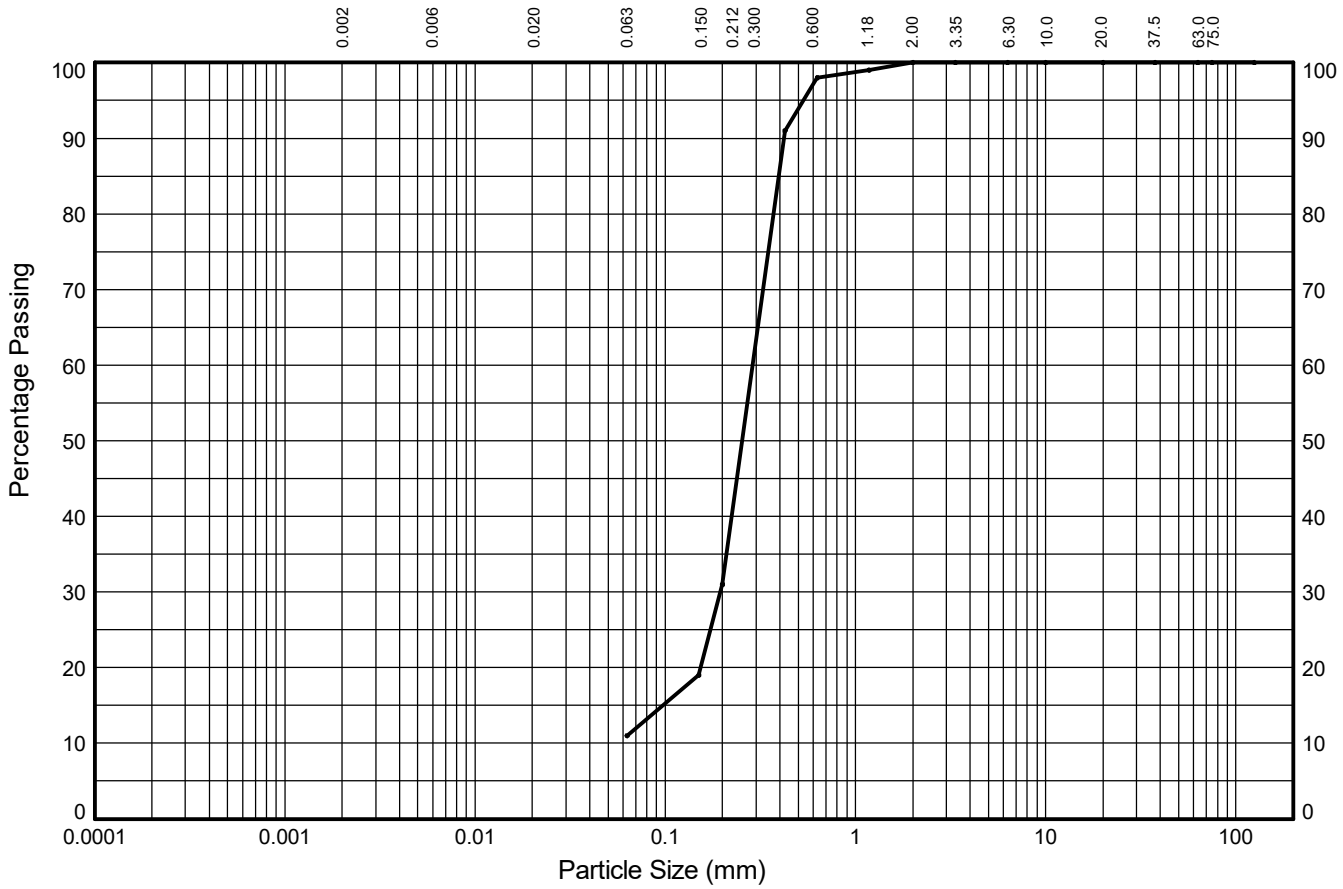
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_J** Sample Ref: **8** Sample Type: **D** Depth (m): **1.10**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	20%	67%	2%	0%	0%	0%	
	SILT			SAND			GRAVEL			
11%				89%			0%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**100**
3.35	**100**
2.00	**100**
1.18	**99**
0.630	**98**
0.425	**91**
0.200	**31**
0.150	**19**
0.063	**11**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**NA**
D_{15} (mm)	**0.097**
D_{30} (mm)	**0.195**
D_{50} (mm)	**0.254**
D_{60} (mm)	**0.288**
D_{85} (mm)	**0.394**
D_{90} (mm)	**0.420**
C_U	**NA**
C_C	**NA**

Soil Description:

Dark orangish brown silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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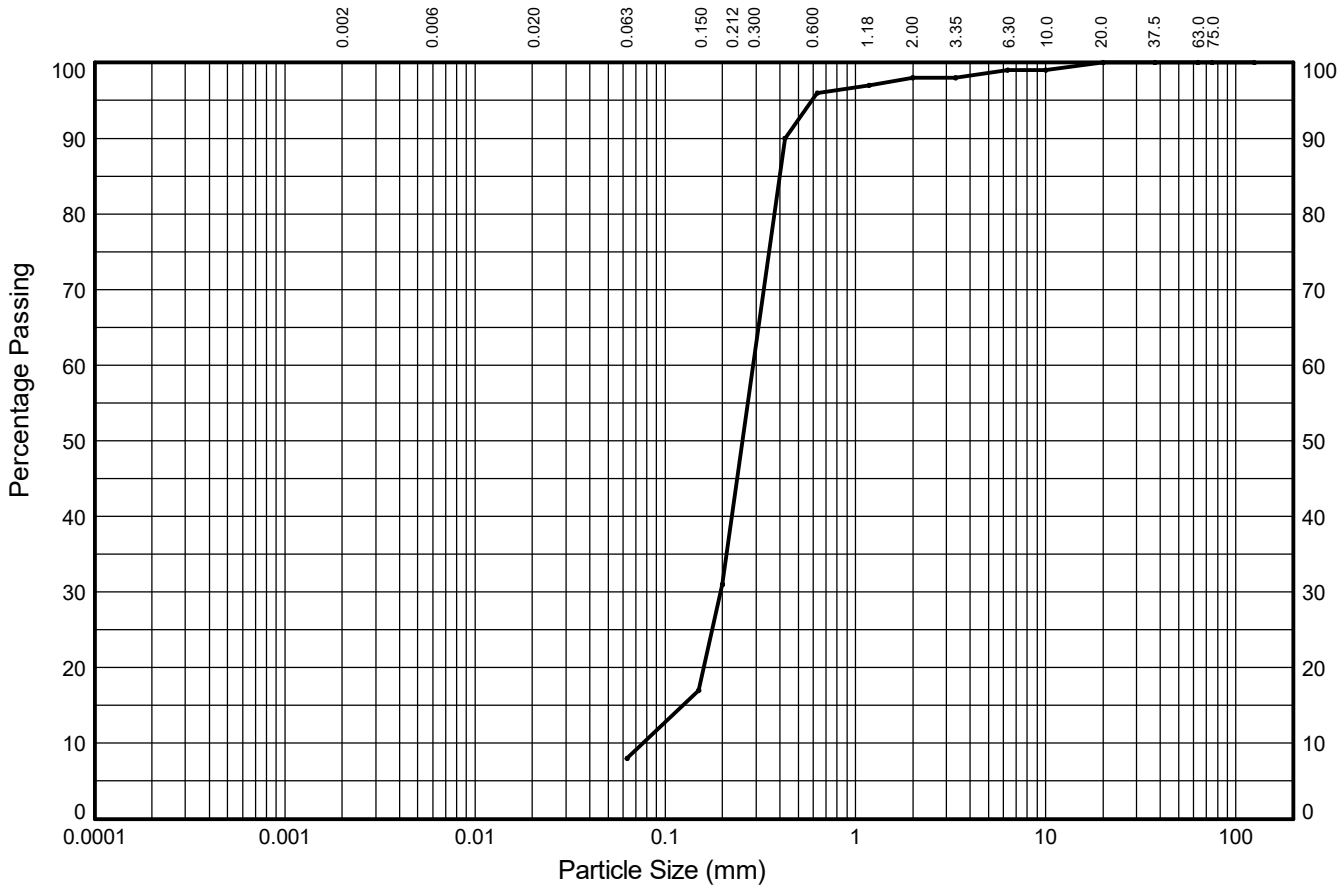
Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_J** Sample Ref: **11** Sample Type: **B** Depth (m): **2.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	23%	65%	2%	1%	1%	0%	
	SILT			SAND			GRAVEL			
8%				90%			2%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**99**
3.35	**98**
2.00	**98**
1.18	**97**
0.630	**96**
0.425	**90**
0.200	**31**
0.150	**17**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.076**
D_{15} (mm)	**0.124**
D_{30} (mm)	**0.196**
D_{50} (mm)	**0.255**
D_{60} (mm)	**0.290**
D_{85} (mm)	**0.399**
D_{90} (mm)	**0.425**
C_U	**3.8**
C_C	**1.7**

Soil Description:

Dark orangish brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

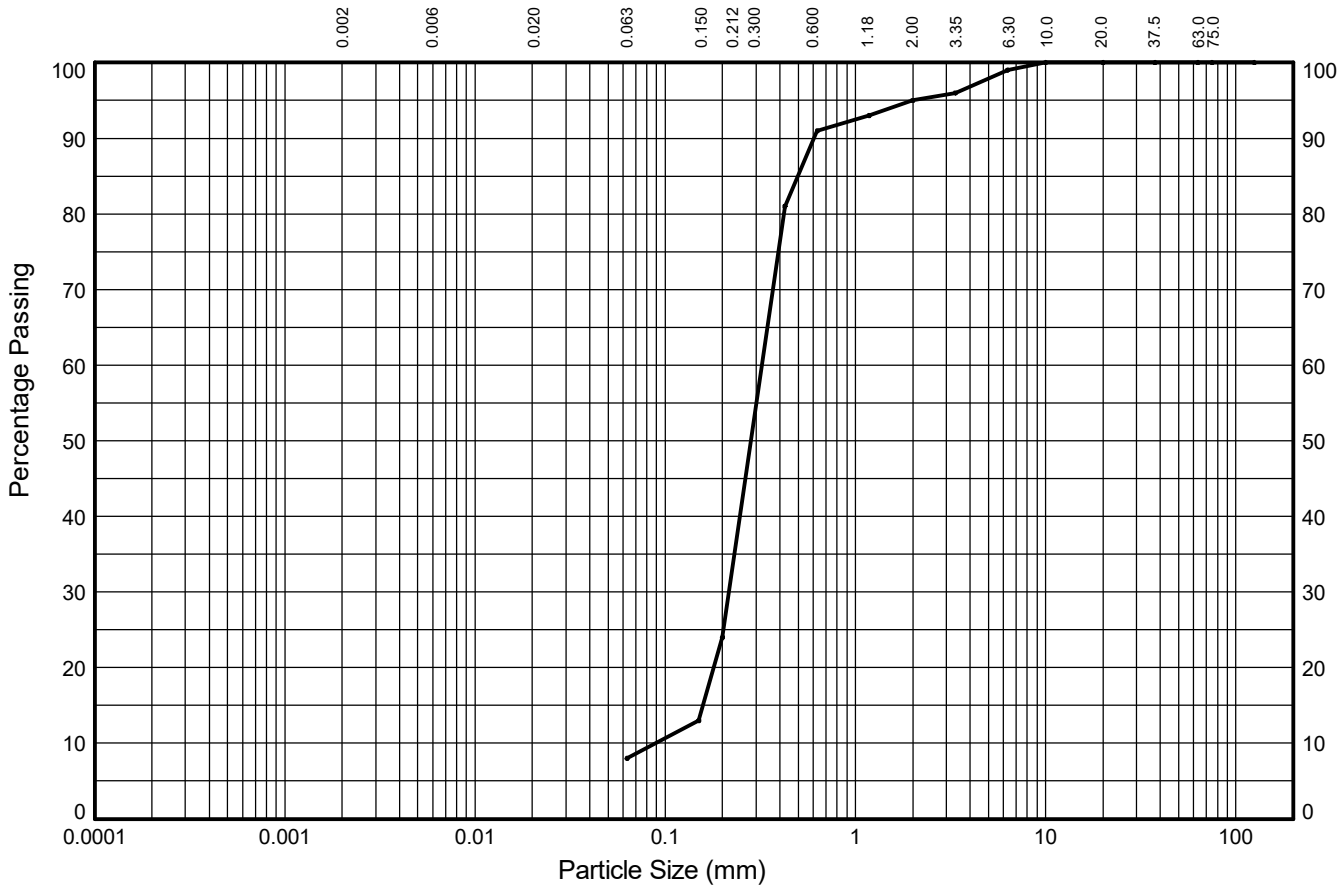
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_J** Sample Ref: **13** Sample Type: **B** Depth (m): **3.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	16%	67%	4%	4%	1%	0%	
	SILT			SAND			GRAVEL			
8%				87%			5%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**100**
6.30	**99**
3.35	**96**
2.00	**95**
1.18	**93**
0.630	**91**
0.425	**81**
0.200	**24**
0.150	**13**
0.063	**8**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.089**
D_{15} (mm)	**0.158**
D_{30} (mm)	**0.217**
D_{50} (mm)	**0.282**
D_{60} (mm)	**0.322**
D_{85} (mm)	**0.497**
D_{90} (mm)	**0.606**
C_U	**3.6**
C_C	**1.6**

Soil Description:

Dark orangish brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Sizewell C Onshore GI Phase 2 2019	**734318**

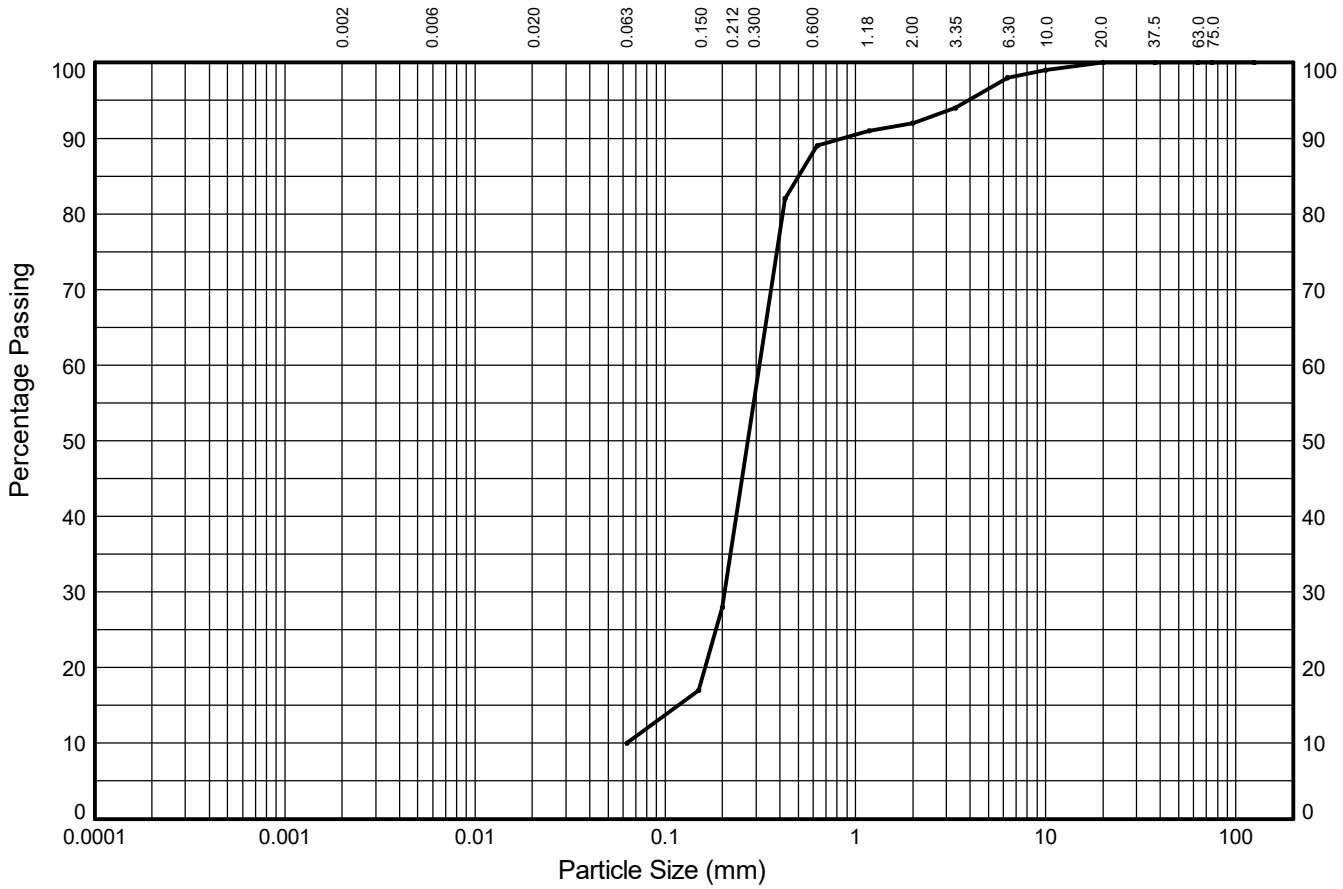
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_J** Sample Ref: **16** Sample Type: **B** Depth (m): **5.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	18%	61%	3%	6%	2%	0%	
	SILT			SAND			GRAVEL			
10%				82%			8%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**98**
3.35	**94**
2.00	**92**
1.18	**91**
0.630	**89**
0.425	**82**
0.200	**28**
0.150	**17**
0.063	**10**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.063**
D_{15} (mm)	**0.117**
D_{30} (mm)	**0.206**
D_{50} (mm)	**0.272**
D_{60} (mm)	**0.313**
D_{85} (mm)	**0.503**
D_{90} (mm)	**0.862**
C_U	**5.0**
C_C	**2.1**

Soil Description:

Dark orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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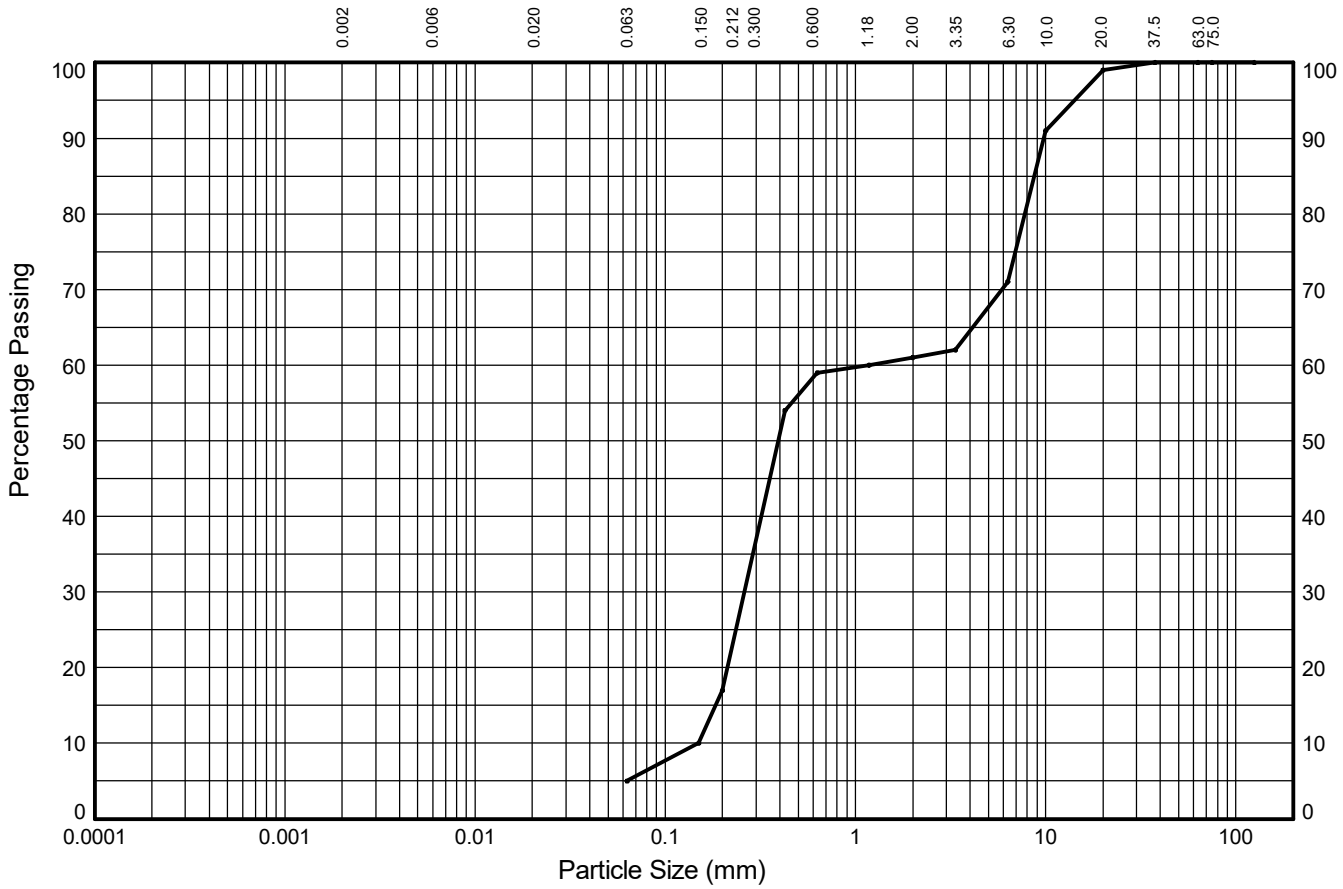
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_K** Sample Ref: **3** Sample Type: **B** Depth (m): **0.10**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	12%	42%	2%	10%	28%	1%	
	SILT			SAND			GRAVEL			
5%				56%			39%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**91**
6.30	**71**
3.35	**62**
2.00	**61**
1.18	**60**
0.630	**59**
0.425	**54**
0.200	**17**
0.150	**10**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.150**
D_{15} (mm)	**0.184**
D_{30} (mm)	**0.261**
D_{50} (mm)	**0.392**
D_{60} (mm)	**1.180**
D_{85} (mm)	**8.706**
D_{90} (mm)	**9.772**
C_U	**7.9**
C_C	**0.38**

Soil Description:

Orangish brown very gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

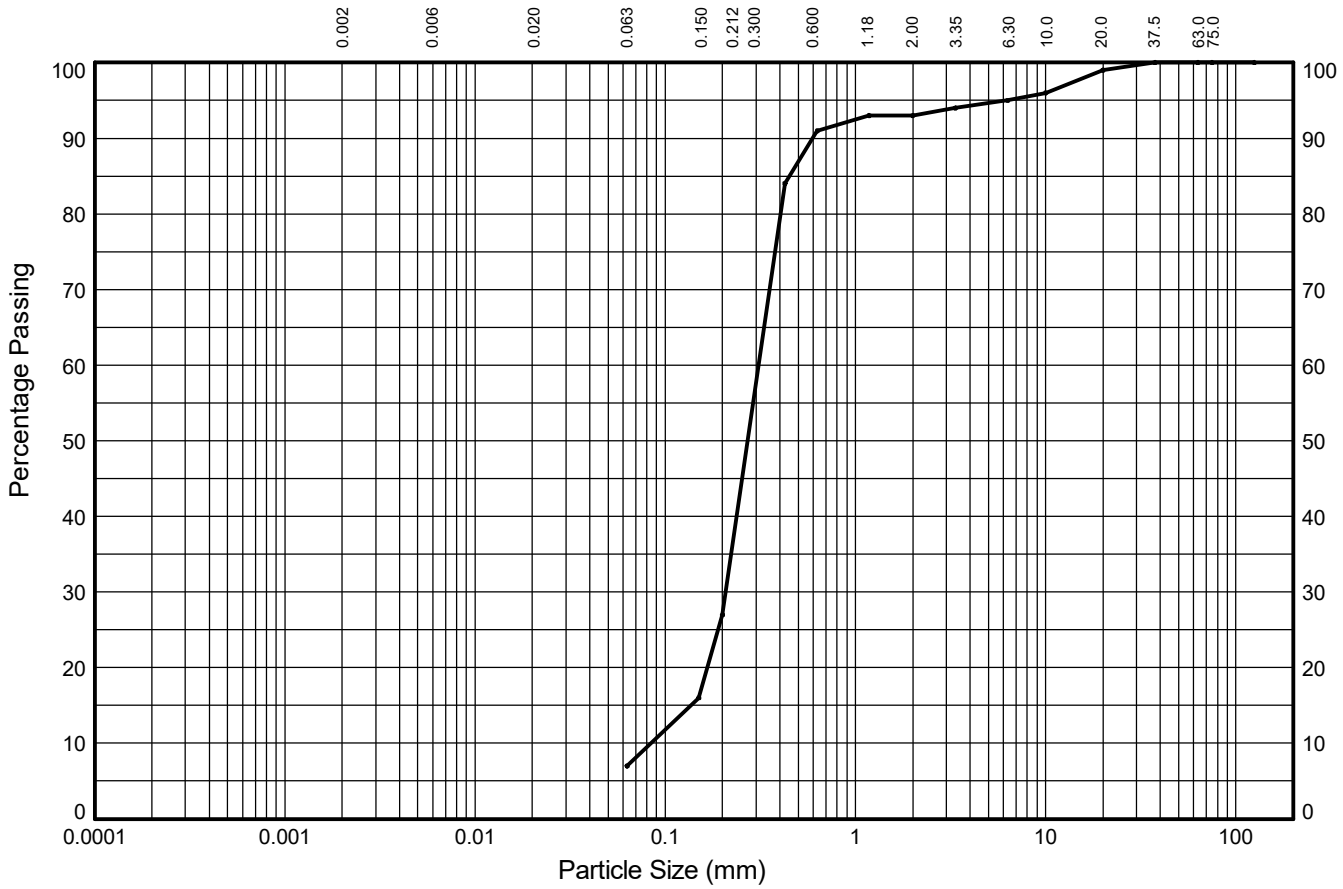
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_K** Sample Ref: **5** Sample Type: **B** Depth (m): **0.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	20%	64%	2%	2%	4%	1%	
	SILT			SAND			GRAVEL			
7%				86%			7%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**96**
6.30	**95**
3.35	**94**
2.00	**93**
1.18	**93**
0.630	**91**
0.425	**84**
0.200	**27**
0.150	**16**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.084**
D_{15} (mm)	**0.136**
D_{30} (mm)	**0.208**
D_{50} (mm)	**0.271**
D_{60} (mm)	**0.309**
D_{85} (mm)	**0.450**
D_{90} (mm)	**0.596**
C_U	**3.7**
C_C	**1.7**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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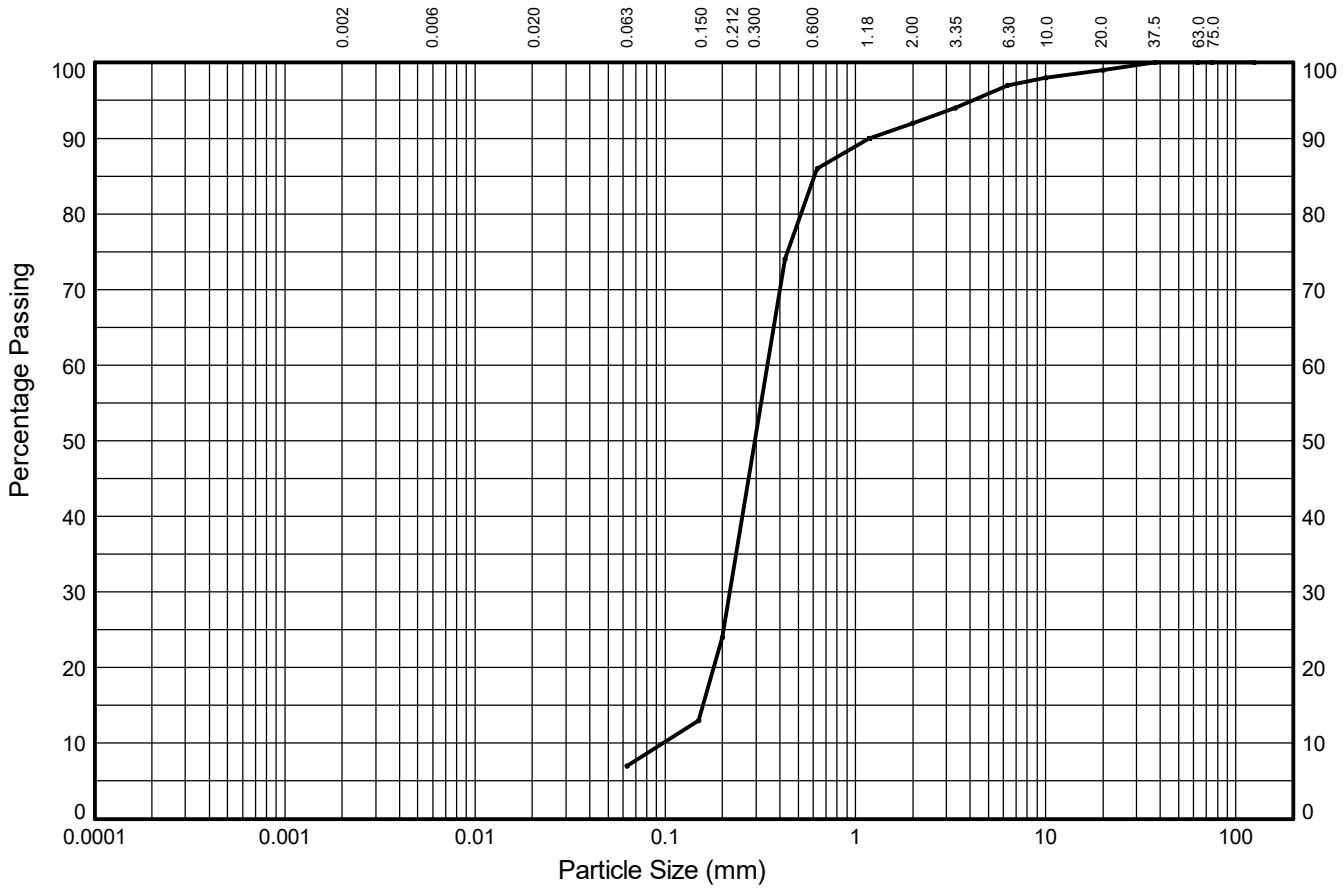
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_K** Sample Ref: **7** Sample Type: **B** Depth (m): **1.20**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	17%	62%	6%	5%	2%	1%	
	SILT			SAND			GRAVEL			
7%				85%			8%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**98**
6.30	**97**
3.35	**94**
2.00	**92**
1.18	**90**
0.630	**86**
0.425	**74**
0.200	**24**
0.150	**13**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.097**
D_{15} (mm)	**0.158**
D_{30} (mm)	**0.219**
D_{50} (mm)	**0.296**
D_{60} (mm)	**0.344**
D_{85} (mm)	**0.610**
D_{90} (mm)	**1.180**
C_U	**3.5**
C_C	**1.4**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Contract Ref: **734318**

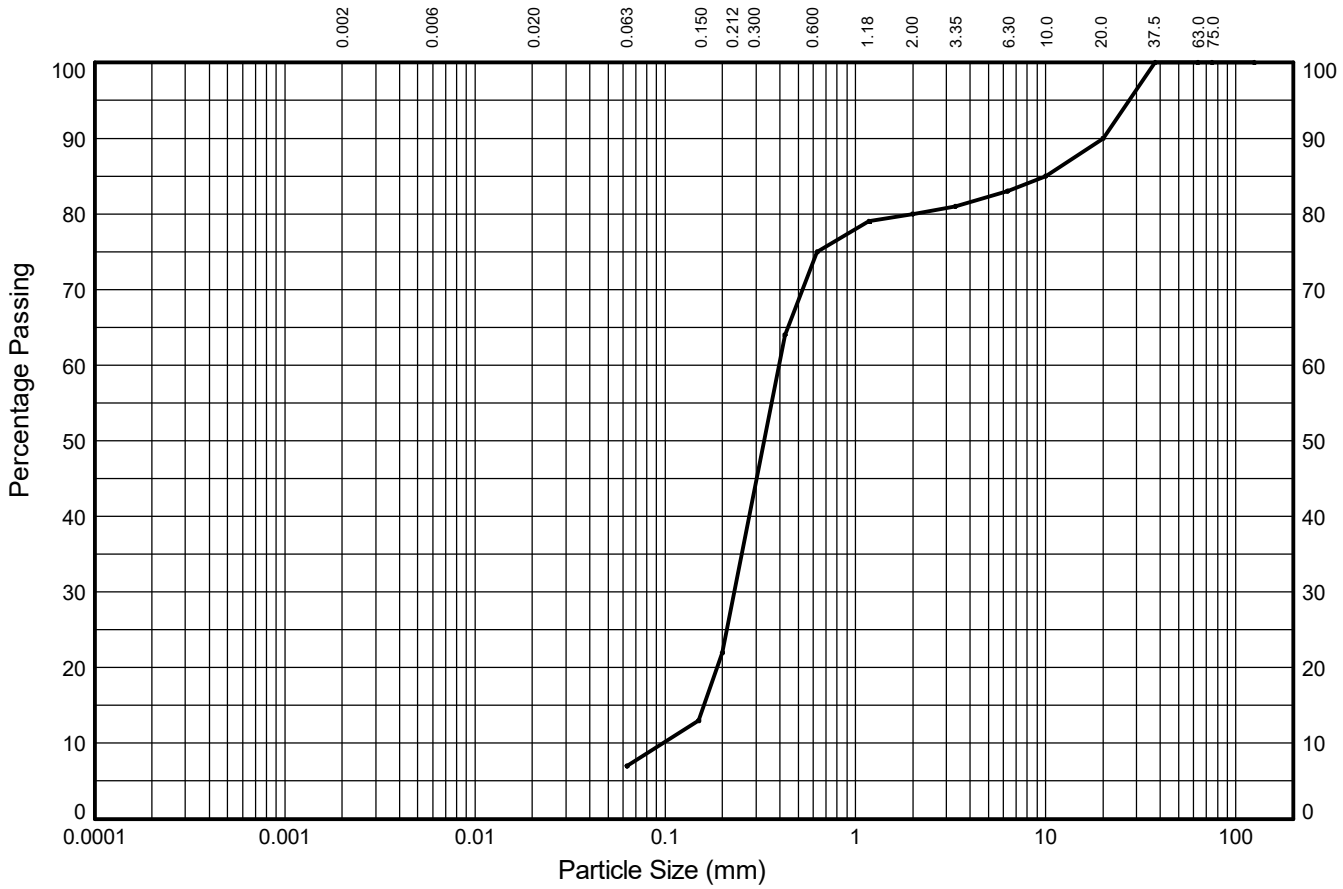
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_K** Sample Ref: **9** Sample Type: **B** Depth (m): **2.50**



CLAY										COBBLES
	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	
	-	-	-	15%	53%	5%	3%	7%	10%	
	SILT			SAND			GRAVEL			
7%				73%			20%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**90**
10.0	**85**
6.30	**83**
3.35	**81**
2.00	**80**
1.18	**79**
0.630	**75**
0.425	**64**
0.200	**22**
0.150	**13**
0.063	**7**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.097**
D_{15} (mm)	**0.160**
D_{30} (mm)	**0.231**
D_{50} (mm)	**0.331**
D_{60} (mm)	**0.396**
D_{85} (mm)	**10.000**
D_{90} (mm)	**20.000**
C_U	**4.1**
C_C	**1.4**

Soil Description:

Orangish brown gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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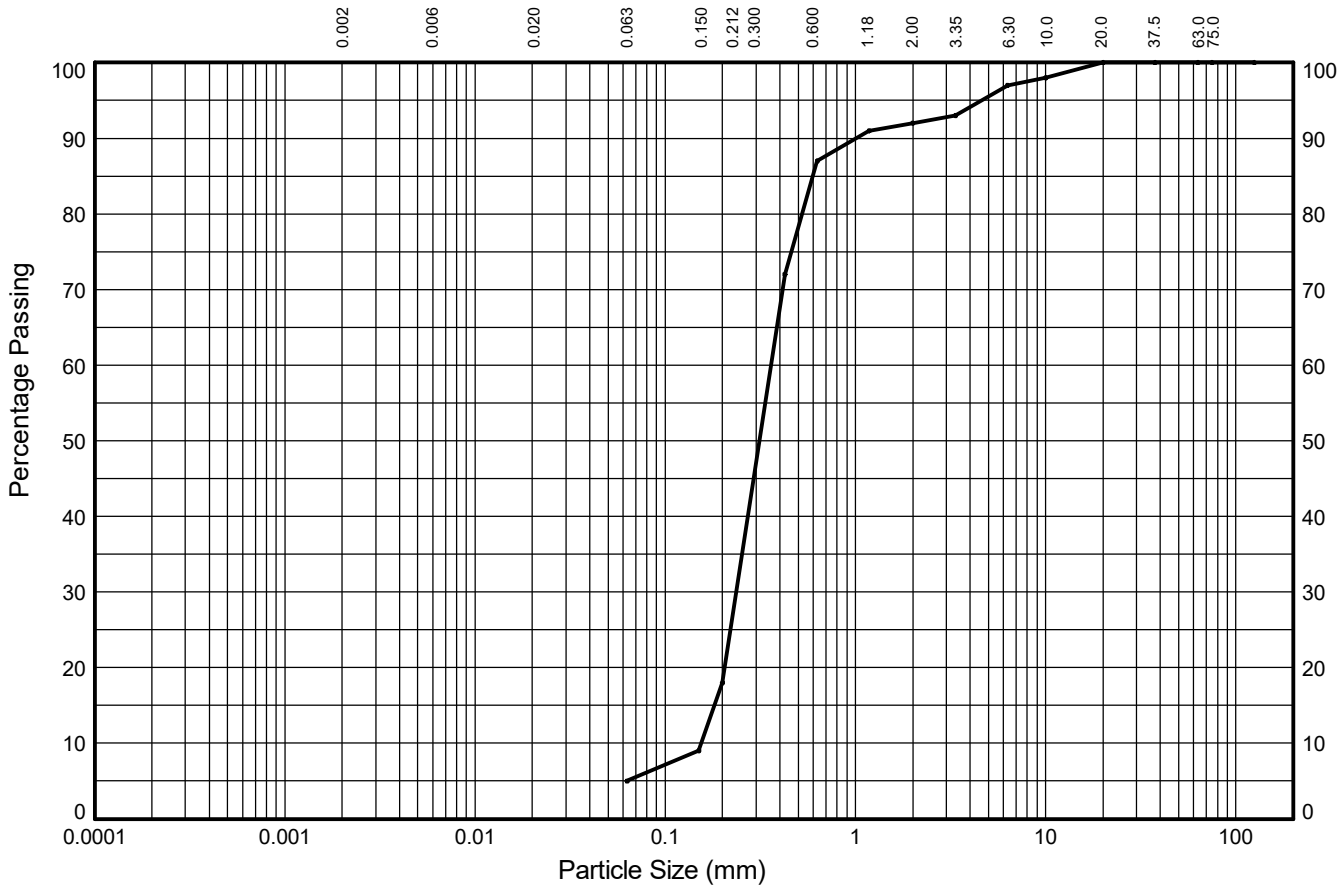
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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_K** Sample Ref: **13** Sample Type: **B** Depth (m): **4.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	13%	69%	5%	5%	3%	0%	
	SILT			SAND			GRAVEL			
5%				87%			8%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**98**
6.30	**97**
3.35	**93**
2.00	**92**
1.18	**91**
0.630	**87**
0.425	**72**
0.200	**18**
0.150	**9**
0.063	**5**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.155**
D_{15} (mm)	**0.182**
D_{30} (mm)	**0.236**
D_{50} (mm)	**0.313**
D_{60} (mm)	**0.359**
D_{85} (mm)	**0.598**
D_{90} (mm)	**1.009**
C_U	**2.3**
C_C	**1.0**

Soil Description:

Orangish brown gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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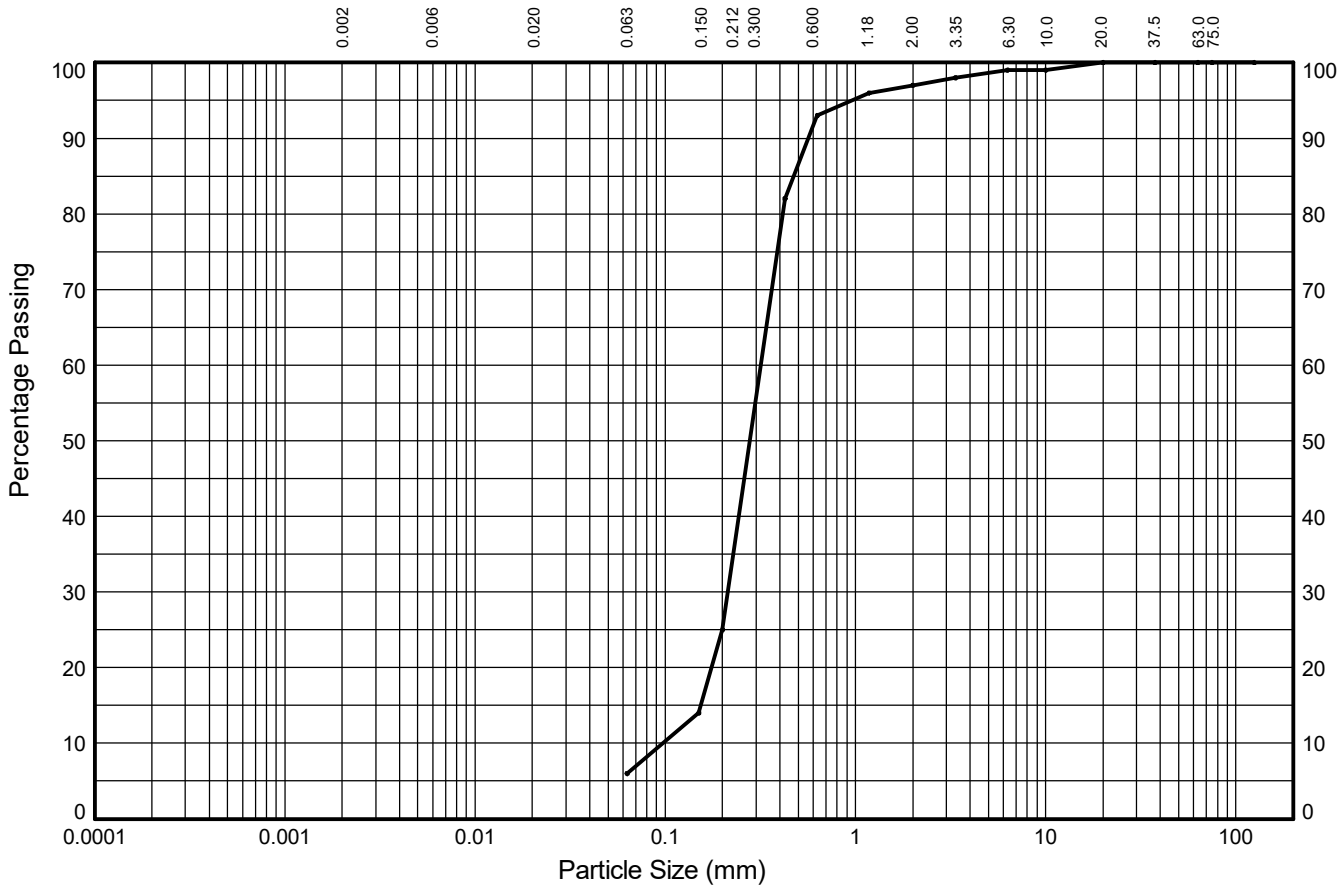
Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - PSD - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07_
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 07/03/20 - 07:40 | AF3 |

PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016
NON-STANDARD TEST

Position ID: **MGS2019_K** Sample Ref: **15** Sample Type: **B** Depth (m): **6.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	19%	68%	4%	2%	1%	0%	
	SILT			SAND			GRAVEL			
6%				91%			3%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**100**
10.0	**99**
6.30	**99**
3.35	**98**
2.00	**97**
1.18	**96**
0.630	**93**
0.425	**82**
0.200	**25**
0.150	**14**
0.063	**6**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.097**
D_{15} (mm)	**0.154**
D_{30} (mm)	**0.214**
D_{50} (mm)	**0.278**
D_{60} (mm)	**0.318**
D_{85} (mm)	**0.473**
D_{90} (mm)	**0.566**
C_U	**3.3**
C_C	**1.5**

Soil Description:

Orangish brown slightly gravelly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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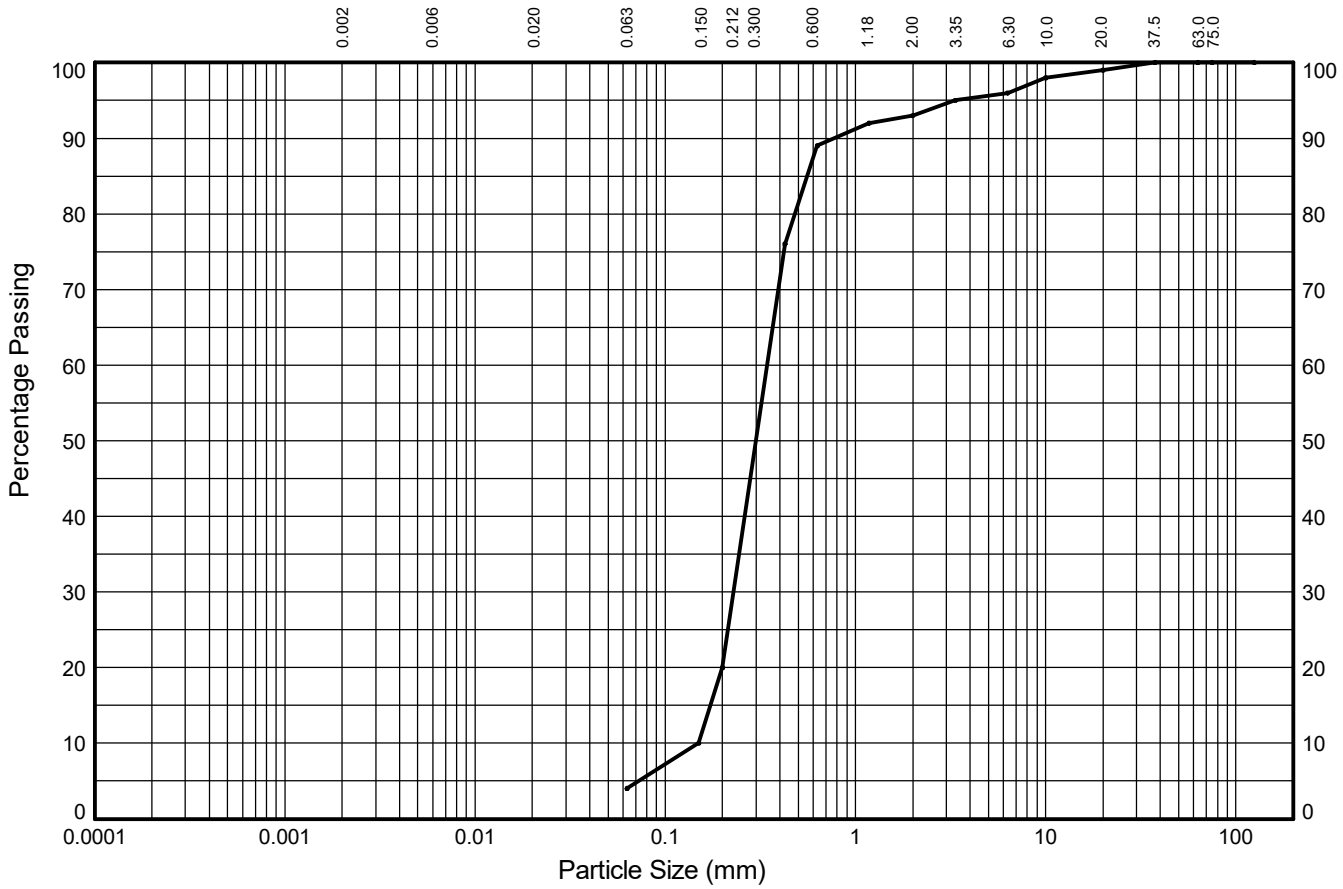
Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 5.2 of BS EN ISO 17892:Part 4:2016

Position ID: **MGS2019_K** Sample Ref: **16** Sample Type: **B** Depth (m): **6.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	-	-	-	16%	69%	4%	3%	3%	1%	
	SILT			SAND			GRAVEL			
4%				89%			7%			0%

Test Sieve (mm)	Percent Passing (%)
125.0	**100**
75.0	**100**
63.0	**100**
37.5	**100**
20.0	**99**
10.0	**98**
6.30	**96**
3.35	**95**
2.00	**93**
1.18	**92**
0.630	**89**
0.425	**76**
0.200	**20**
0.150	**10**
0.063	**4**

Particle Diameter (mm)	Percent Passing (%)

Sedimentation sample was not pre-treated

Coefficients	
D_{10} (mm)	**0.150**
D_{15} (mm)	**0.173**
D_{30} (mm)	**0.229**
D_{50} (mm)	**0.300**
D_{60} (mm)	**0.343**
D_{85} (mm)	**0.558**
D_{90} (mm)	**0.777**
C_U	**2.3**
C_C	**1.0**

Soil Description:

Orangish brown gravelly slightly silty/clayey SAND

Key: C_U = Uniformity coefficient. C_C = Coefficient of curvature as defined in BS EN ISO 14688-2

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Compiled By: [redacted] FRANCESCA BENNETT

Date: 07/03/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

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SUMMARY OF PARTICLE DENSITY TESTS

In accordance with BS EN ISO 17892 - 3 : 2015

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Particle Density (Mg/m^3)	Test Type	Measured Water Density (Mg/m^3)	Description	Lab location
DCBH2019_2	1	C	10.05	2.64	Pycnometer	0.9971	Brown slightly gravelly slightly silty/clayey SAND	B
DCBH2019_2	14	C	20.55	2.66	Pycnometer	0.9971	Brown slightly gravelly slightly silty SAND	B
DCBH2019_2	46	C	59.02	2.65	Pycnometer	0.9971	Dark yellowish brown slightly sandy SILT	B
DCBH2019_2	52	C	66.30	2.64	Pycnometer	0.9971	Grey mottled brown clayey SAND	B
DCBH2019_2	55	C	71.30	2.64	Pycnometer	0.9971	Greyish brown slightly silty/clayey SAND	B
DCBH2019_3	1	C	9.50	2.64	Pycnometer	0.9971	Orangish brown mottled grey slightly gravelly silty/clayey SAND	B
DCBH2019_3	13	C	23.00	2.65	Pycnometer	0.9971	Greenish grey slightly gravelly slightly silty/clayey SAND	B
DCBH2019_3	23	C	36.50	2.71	Pycnometer	0.9971	Grey mottled brown slightly gravelly silty/clayey SAND	B
DCBH2019_3	6	D	42.50	2.71	Pycnometer	0.9971	Grey slightly gravelly silty/clayey SAND	B
DCBH2019_3	9	D	48.35	2.52	Pycnometer	0.9971	Dark brownish grey slightly sandy CLAY	B
DCBH2019_3	31	C	53.09	2.53	Pycnometer	0.9971	Dark greyish brown slightly sandy CLAY	B
DCBH2019_3	40	C	62.23	2.64	Pycnometer	0.9971	Yellowish brown mottled grey slightly sandy silty CLAY	B
DCBH2019_3	42	C	65.24	2.63	Pycnometer	0.9971	Grey mottled brown silty SAND	B
DCBH2019_3	47	C	68.72	2.55	Pycnometer	0.9971	Brown slightly gravelly slightly sandy CLAY	B
DCBH2019_3	51	C	71.81	2.66	Pycnometer	0.9971	Grey sandy silty CLAY	B
DCBH2019_3	63	C	80.20	2.54	Pycnometer	0.9971	Dark grey sandy CLAY	B
DCBH2019_4	1	C	14.40	2.65	Pycnometer	0.9971	Brown mottled grey silty/clayey SAND	B
DCBH2019_4	4	C	35.20	2.69	Pycnometer	0.9971	Brown mottled grey gravelly slightly silty SAND	B

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Compiled By		Date	Contract Ref:
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Contract: **Sizewell C Onshore GI Phase 2 2019**			

SUMMARY OF PARTICLE DENSITY TESTS

In accordance with BS EN ISO 17892 - 3 : 2015

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Particle Density (Mg/m^3)	Test Type	Measured Water Density (Mg/m^3)	Description	Lab location
DCBH2019_5	1	C	15.60	2.69	Pycnometer	0.9971	Grey mottled brown slightly gravelly silty/clayey SAND	B
DCBH2019_5	6	C	21.10	2.69	Pycnometer	0.9971	Brown mottled grey slightly gravelly slightly silty SAND	B
DCBH2019_5	8	C	26.00	2.77	Pycnometer	0.9971	Dark grey slightly silty SAND	B
DCBH2019_5	11	C	38.95	2.68	Pycnometer	0.9971	Grey slightly gravelly slightly silty/clayey SAND	B
DCBH2019_5	14	C	46.70	2.75	Pycnometer	0.9971	Greyish brown CLAY	B
DCBH2019_5	19	C	64.90	2.62	Pycnometer	0.9971	Brownish grey silty/clayey SAND	B
DCBH2019_6	1	C	14.20	2.66	Pycnometer	0.9971	Brown slightly gravelly slightly silty/clayey SAND	B
DCBH2019_6	9	C	22.45	2.70	Pycnometer	0.9971	Dark brown gravelly silty/clayey SAND	B
DCBH2019_6	14	C	34.45	2.71	Pycnometer	0.9971	Dark grey gravelly slightly silty/clayey SAND	B
DCBH2019_6	17	C	46.70	2.62	Pycnometer	0.9971	Greyish brown slightly sandy silty CLAY	B
DCBH2019_6	22	C	53.51	2.58	Pycnometer	0.9971	Brown slightly sandy CLAY	B
DCBH2019_6	32	C	67.08	2.55	Pycnometer	0.9971	Dark grey slightly sandy CLAY	B
DCBH2019_6	38	C	71.62	2.56	Pycnometer	0.9971	Greyish brown CLAY	B
DCBH2019_6	43	C	76.16	2.72	Pycnometer	0.9971	Dark grey slightly sandy silty CLAY	B
DCBH2019_7	20	C	42.75	2.72	Pycnometer	0.9971	Dark grey gravelly silty/clayey SAND	B
DCBH2019_7	22	C	47.00	2.53	Pycnometer	0.9971	Greyish brown slightly sandy silty CLAY	B
DCBH2019_7	21	D	51.30	2.56	Pycnometer	0.9971	Grey silty CLAY	B
DCBH2019_7	25	C	55.81	2.57	Pycnometer	0.9971	Dark brown slightly gravelly slightly sandy silty CLAY	B

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Date: **23.04.20**

Contract Ref: **734318**

Contract: **Sizewell C Onshore GI Phase 2 2019**

SUMMARY OF PARTICLE DENSITY TESTS

In accordance with BS EN ISO 17892 - 3 : 2015

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Particle Density (Mg/m^3)	Test Type	Measured Water Density (Mg/m^3)	Description	Lab location
DCBH2019_7	28	C	57.44	2.60	Pycnometer	0.9971	Dark brown very clayey SAND	**B**
DCBH2019_7	34	C	60.80	2.62	Pycnometer	0.9971	Light brown sandy SILT	**B**
DCBH2019_7	35	C	62.60	2.64	Pycnometer	0.9971	Greyish brown mottled grey clayey SAND	**B**
DCBH2019_7	37	C	66.70	2.52	Pycnometer	0.9971	Greyish brown slightly sandy CLAY	**B**
DCBH2019_7	47	C	76.29	2.57	Pycnometer	0.9971	Dark brownish grey CLAY	**B**
DCBH2019_7	50	C	78.51	2.48	Pycnometer	0.9971	Dark brownish grey silty CLAY	**B**

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Date: **23.04.20**

Contract Ref: **734318**

Contract: **Sizewell C Onshore GI Phase 2 2019**

SUMMARY OF MAXIMUM/MINIMUM DENSITY OF SAND TESTS

In accordance with BS1377:Part 4:Clauses 4.2 & 4.4:1990

Exploratory Position ID	Sample Ref.	Sample Type	Depth (m)	Minimum Dry Density (Mg/m^3)	Maximum Dry Density (Mg/m^3)	Percentage Retained on 6.3mm Sieve (%)	Percentage Retained on 2mm Sieve (%)	Description of Sample	Lab location
DCBH2019_3	3	C	12.50	1.37	1.66	0.0	0.0	Brown slightly gravelly slightly clayey SAND	**C**
DCBH2019_3	8	C	18.50	1.39	1.81	0.3	0.0	Brown slightly gravelly slightly silty SAND	**C**
DCBH2019_3	26	C	41.00	1.29	1.77	0.0	3.4	Brown slightly gravelly silty SAND	**C**

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Compiled By: [redacted] **LORNA WHITWORTH**

Date: **07.03.20**

Contract Ref: **734318**

Contract: **Sizewell C Onshore GI Phase 2 2019**

SUMMARY OF MAXIMUM INDEX DENSITY

In accordance with a modified method based on ASTM D4253-14

Exploratory Position ID	Sample Ref.	Sample Type	Depth (m)	Maximum Dry Density (Mg/m^3)	Percentage Retained 20mm Sieve (%)	Percentage Retained on 10mm Sieve (%)	Percentage Passing 10mm Sieve (%)	Sample Description	Lab location
DCBH2019_2	1	C	10.05	1.542	0	0	100	Brown slightly gravelly slightly silty/clayey SAND	**B**
DCBH2019_2	8	C	15.30	1.524	0	0	100	Light brown slightly gravelly slightly silty/clayey SAND	**B**
DCBH2019_2	14	C	20.55	1.856	0	3	97	Brown slightly gravelly slightly silty SAND	**B**
DCBH2019_8	1	C	15.50	1.513	0	0	100	Brown slightly gravelly slightly silty SAND	**B**
DCBH2019_8	6	C	20.00	1.494	0	0	100	Orangish brown slightly gravelly slightly silty SAND	**B**
DCBH2019_8	10	C	25.25	1.586	0	0	100	Brown mottled grey gravelly slightly silty/clayey SAND	**B**
DCBH2019_8	15	C	29.00	1.480	0	0	100	Brown mottled grey gravelly slightly silty SAND	**B**
DCBH2019_8	20	C	38.00	1.521	0	0	100	Greyish brown gravelly slightly silty SAND	**B**

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Compiled By		Date	Contract Ref:
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Contract: **Sizewell C Onshore GI Phase 2 2019**			

SUMMARY OF MINIMUM INDEX DENSITY

In accordance with a modified method based on ASTM D4254-14

Exploratory Position ID	Sample Ref.	Sample Type	Depth (m)	Method Used	Minimum Dry Density (Mg/m^3)	Percentage Passing 20mm Sieve (%)	Percentage Retained on 10mm Sieve (%)	Percentage Passing 10mm Sieve (%)	Percentage Retained on 2.00mm Sieve (%)	Sample Description	Lab location
DCBH2019_2	1	C	10.05	Method C[2]	1.438	100	0	100	0	Brown slightly gravelly slightly silty/clayey SAND	B
DCBH2019_2	8	C	15.30	Method C[2]	1.438	100	0	100	0	Light brown slightly gravelly slightly silty/clayey SAND	B
DCBH2019_2	14	C	20.55	Method C[2]	1.365	100	3	97	1	Brown slightly gravelly slightly silty SAND	B
DCBH2019_8	1	C	15.50	Method C[2]	1.409	100	0	100	2	Brown slightly gravelly slightly silty SAND	B
DCBH2019_8	6	C	20.00	Method C[2]	1.339	100	0	100	5	Orangish brown slightly gravelly slightly silty SAND	B
DCBH2019_8	10	C	25.25	Method C[2]	1.482	100	0	100	10	Brown mottled grey gravelly slightly silty/clayey SAND	B
DCBH2019_8	15	C	29.00	Method C[2]	1.400	100	0	100	25	Brown mottled grey gravelly slightly silty SAND	B
DCBH2019_8	20	C	38.00	Method C[2]	1.370	100	0	100	4	Greyish brown gravelly slightly silty SAND	B

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Date: **23.04.20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

SUMMARY OF DENSITY BY IMMERSION IN WATER

In accordance with clause 7.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Number of Lumps	Moisture Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Description of Sample	Lab location
DCBH2019_3	7	D	46.95	1	35	1.74	1.29	Dark brownish grey slightly sandy CLAY	**B**
DCBH2019_3	11	D	51.50	1	59	1.61	1.01	Dark brownish grey slightly sandy CLAY	**B**

* denotes the average values from multiple lumps

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Date: **08.03.20**

Contract Ref: **734318**

Contract: **Sizewell C Onshore GI Phase 2 2019**

BULK AND DRY DENSITY

GEOLABS
UKAS TESTING 1982

SUMMARY OF DENSITY TESTS

In accordance with BS EN ISO 17892-2 : 2014 Clause 6.1.1 (Linear Method)

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content (%)	Bulk Density (Mg/m^3)	Dry Density (Mg/m^3)	Volume (if less than 50 cm^3)	Description	Lab location
CH2019_R2	21	C	44.93	40.5	1.83	1.30	-	Dark brown clayey SILT	**B**
CH2019_R2	22	C	51.38	42.5	1.81	1.27	-	Dark greyish brown silty CLAY	**B**
CH2019_R2	23	C	53.27	34.6	1.90	1.41	-	Dark greyish brown silty CLAY	**B**
CH2019_R2	25	C	53.95	32.5	1.91	1.44	-	Dark greyish brown silty CLAY	**B**
CH2019_R2	27	C	55.00	31.1	1.93	1.48	-	Dark greyish brown CLAY	**B**
CH2019_R2	31	C	57.00	29.1	1.94	1.50	-	Dark greyish brown slightly sandy silty CLAY	**B**
CH2019_R2	33	C	61.00	22.0	2.06	1.69	-	Yellowish brown silty/clayey SAND	**B**
CH2019_R2	34	C	62.90	20.9	1.99	1.64	-	Yellowish brown mottled grey slightly gravelly silty/clayey SAND	**B**
CH2019_R2	36	C	65.50	20.3	2.13	1.77	-	Brownish grey clayey SAND	**B**
CH2019_R2	39	C	67.56	30.4	1.98	1.52	-	Brownish grey CLAY	**B**
CH2019_R2	41	C	69.48	27.7	1.99	1.56	-	Bluish grey slightly sandy silty CLAY	**B**
CH2019_R2	42	C	70.00	33.3	1.95	1.46	-	Bluish grey slightly sandy silty CLAY	**B**
CH2019_R2	45	C	71.50	42.9	1.80	1.26	-	Dark grey silty CLAY	**B**
CH2019_R2	48	C	73.00	68.3	1.60	0.95	-	Dark grey silty CLAY	**B**
CH2019_R2	50	C	73.81	48.5	1.78	1.20	-	Dark grey silty CLAY	**B**
CH2019_R2	54	C	76.19	37.8	1.86	1.35	-	Dark grey silty CLAY	**B**
CH2019_R2	58	C	78.24	45.4	1.79	1.23	-	Dark grey clayey SILT	**B**
CH2019_R2	61	C	81.13	31.6	1.93	1.47	-	Dark brown silty CLAY	**B**

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Compiled By: [redacted] **FRANCESCA BENNETT**

Date: **23.04.20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

AGS

SUMMARY OF DENSITY TESTS

In accordance with BS EN ISO 17892-2 : 2014 Clause 6.1.1 (Linear Method)

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content (%)	Bulk Density (Mg/m^3)	Dry Density (Mg/m^3)	Volume (if less than 50 cm^3)	Description	Lab location
DCBH2019_2	10	C	16.90	22.8	1.99	1.62	-	Grey silty/clayey SAND	B
DCBH2019_2	23	C	33.52	17.2	2.18	1.86	-	Dark grey mottled brown slightly gravelly slightly silty/clayey SAND	B
DCBH2019_2	45	C	57.05	20.2	2.08	1.73	-	Dark yellowish brown mottled grey slightly sandy silty CLAY	B
DCBH2019_2	46	C	59.13	27.1	2.00	1.57	-	Dark yellowish brown slightly sandy SILT	B
DCBH2019_2	51	C	66.06	20.0	2.01	1.68	-	Greyish brown mottled grey silty/clayey SAND	B
DCBH2019_2	52	C	66.77	23.7	1.99	1.61	-	Grey mottled brown clayey SAND	B
DCBH2019_2	53	C	69.20	22.4	1.93	1.58	-	Brown mottled grey slightly silty/clayey SAND	B
DCBH2019_2	55	C	72.20	23.7	1.87	1.51	-	Greyish brown slightly silty/clayey SAND	B
DCBH2019_3	1	C	10.40	21.9	2.03	1.67	-	Orangish brown mottled grey slightly gravelly silty/clayey SAND	B
DCBH2019_3	4	C	13.25	24.2	2.18	1.76	-	Yellowish brown mottled grey slightly silty/clayey SAND	B
DCBH2019_3	7	C	16.95	20.2	1.86	1.55	-	Grey mottled brown slightly gravelly silty/clayey SAND	B
DCBH2019_3	16	C	29.21	16.5	2.22	1.90	-	Brown mottled grey gravelly silty/clayey SAND	B
DCBH2019_3	19	C	31.25	17.1	1.84	1.57	-	Grey mottled brown slightly gravelly very silty/clayey SAND	B
DCBH2019_3	25	C	40.84	21.4	2.02	1.67	-	Grey mottled brown gravelly silty/clayey SAND	B
DCBH2019_3	29	C	44.22	23.0	2.06	1.67	-	Dark grey mottled brown gravelly silty/clayey SAND	B
DCBH2019_3	35	C	56.52	31.0	1.94	1.48	-	Dark brown slightly sandy CLAY	B
DCBH2019_3	38	C	59.72	18.4	2.18	1.84	-	Brownish grey mottled bluish grey slightly gravelly slightly sandy SILT	B
DCBH2019_3	39	C	61.67	22.8	2.10	1.71	-	Greyish brown mottled grey CLAY	B

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Compiled By	Date	Contract Ref:
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Sizewell C Onshore GI Phase 2 2019

SUMMARY OF DENSITY TESTS

In accordance with BS EN ISO 17892-2 : 2014 Clause 6.1.1 (Linear Method)

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content (%)	Bulk Density (Mg/m^3)	Dry Density (Mg/m^3)	Volume (if less than 50 cm^3)	Description	Lab location
DCBH2019_3	40	C	62.58	22.6	2.06	1.68	-	Yellowish brown mottled grey slightly sandy silty CLAY	**B**
DCBH2019_3	41	C	62.85	23.4	2.09	1.69	-	Brown mottled grey slightly sandy silty CLAY	**B**
DCBH2019_3	42	C	65.20	21.7	2.02	1.66	-	Grey mottled brown silty SAND	**B**
DCBH2019_3	47	C	68.75	28.3	2.01	1.57	-	Brown slightly gravelly slightly sandy CLAY	**B**
DCBH2019_3	52	C	72.20	27.2	2.05	1.61	-	Dark bluish grey mottled red slightly gravelly slightly sandy CLAY	**B**
DCBH2019_3	63	C	80.22	39.4	1.85	1.32	-	Dark grey sandy CLAY	**B**
DCBH2019_3	65	C	81.55	29.3	1.98	1.53	-	Dark brown CLAY	**B**
DCBH2019_4	1	C	14.75	22.5	2.07	1.69	-	Brown mottled grey silty/clayey SAND	**B**
DCBH2019_4	3	C	21.90	9.3	1.46	1.34	-	Yellowish brown slightly gravelly slightly silty/clayey SAND	**B**
DCBH2019_4	5	C	52.64	39.6	1.78	1.28	-	Dark brown slightly sandy silty CLAY	**B**
DCBH2019_4	6	C	55.55	33.3	1.88	1.41	-	Dark brownish grey slightly sandy CLAY	**B**
DCBH2019_4	8	C	61.03	25.5	1.93	1.54	-	Brownish grey silty SAND	**B**
DCBH2019_4	9	C	69.20	23.9	1.98	1.60	-	Dark grey mottled brown slightly gravelly slightly sandy CLAY	**B**
DCBH2019_5	1	C	15.90	22.2	2.07	1.70	-	Grey mottled brown slightly gravelly silty/clayey SAND	**B**
DCBH2019_5	3	C	17.40	17.8	2.32	1.97	-	Grey mottled brown silty SAND with occasional shell fragments	**B**
DCBH2019_5	4	C	18.46	19.8	2.13	1.78	-	Grey slightly gravelly slightly silty SAND	**B**
DCBH2019_5	6	C	21.45	22.8	1.95	1.59	-	Brown mottled grey slightly gravelly slightly silty SAND	**B**
DCBH2019_5	8	C	26.25	22.4	2.18	1.78	-	Dark grey slightly silty SAND	**B**

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

STRUCTURAL SOILS
1a Princess Street
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Bristol
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Compiled By: [redacted] **FRANCESCA BENNETT**

Date: **23.04.20**

Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

SUMMARY OF DENSITY TESTS

In accordance with BS EN ISO 17892-2 : 2014 Clause 6.1.1 (Linear Method)

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content (%)	Bulk Density (Mg/m^3)	Dry Density (Mg/m^3)	Volume (if less than 50 cm^3)	Description	Lab location
DCBH2019_5	10	C	34.90	20.7	2.12	1.76	-	Dark grey silty SAND	B
DCBH2019_5	11	C	39.40	22.3	2.08	1.70	-	Grey slightly gravelly slightly silty/clayey SAND	B
DCBH2019_5	13	C	43.45	10.8	1.76	1.59	-	Grey silty SAND with occasional shell fragments	B
DCBH2019_5	14	C	46.85	42.0	1.81	1.28	-	Greyish brown CLAY	B
DCBH2019_5	15	C	49.18	47.2	1.78	1.21	-	Grey sandy silty CLAY	B
DCBH2019_5	16	C	51.55	31.6	1.91	1.45	-	Greyish brown slightly sandy CLAY	B
DCBH2019_5	17	C	54.47	46.0	1.75	1.20	-	Dark brown silty CLAY	B
DCBH2019_5	18	C	59.55	21.1	2.09	1.72	-	Brown slightly sandy silty CLAY	B
DCBH2019_5	19	C	65.24	25.2	2.02	1.61	-	Brownish grey silty/clayey SAND	B
DCBH2019_5	20	C	68.10	24.6	2.07	1.66	-	Grey mottled yellowish brown slightly sandy CLAY	B
DCBH2019_5	21	C	72.44	38.7	1.85	1.34	-	Dark grey silty CLAY	B
DCBH2019_5	22	C	81.04	35.0	1.91	1.41	-	Brown silty CLAY	B
DCBH2019_6	1	C	14.20	16.9	2.23	1.91	-	Brown slightly gravelly slightly silty/clayey SAND	B
DCBH2019_6	4	C	18.10	19.5	1.98	1.66	-	Dark grey slightly gravelly slightly silty/clayey SAND	B
DCBH2019_6	6	C	20.70	18.9	2.25	1.89	-	Greyish brown slightly gravelly slightly silty SAND	B
DCBH2019_6	9	C	23.10	18.2	2.15	1.82	-	Dark brown gravelly silty/clayey SAND	B
DCBH2019_6	10	C	29.10	22.3	1.98	1.62	-	Dark grey silty/clayey SAND	B
DCBH2019_6	14	C	35.10	21.9	2.07	1.70	-	Dark grey gravelly slightly silty/clayey SAND	B

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

SUMMARY OF DENSITY TESTS

In accordance with BS EN ISO 17892-2 : 2014 Clause 6.1.1 (Linear Method)

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content (%)	Bulk Density (Mg/m^3)	Dry Density (Mg/m^3)	Volume (if less than 50 cm^3)	Description	Lab location
DCBH2019_6	16	C	37.87	19.5	2.12	1.78	-	Dark grey slightly gravelly slightly silty/clayey SAND	B
DCBH2019_6	18	C	47.44	42.1	1.84	1.30	-	Greyish brown slightly gravelly CLAY	B
DCBH2019_6	22	C	53.53	32.8	1.92	1.45	-	Brown slightly sandy CLAY	B
DCBH2019_6	26	C	55.85	32.4	1.93	1.46	-	Brown slightly sandy silty CLAY	B
DCBH2019_6	28	C	62.07	21.7	2.15	1.76	-	Dark brown slightly gravelly silty/clayey SAND	B
DCBH2019_6	30	C	63.60	20.7	2.00	1.66	-	Dark greyish brown silty/clayey SAND	B
DCBH2019_6	31	C	66.21	34.5	1.98	1.47	-	Greyish brown slightly gravelly slightly sandy CLAY	B
DCBH2019_6	32	C	67.13	21.5	2.10	1.73	-	Dark grey slightly sandy CLAY	B
DCBH2019_6	35	C	69.74	30.4	1.91	1.46	-	Dark greenish grey sandy silty CLAY	B
DCBH2019_6	38	C	71.68	41.2	1.85	1.31	-	Greyish brown CLAY	B
DCBH2019_6	43	C	76.37	41.2	1.84	1.31	-	Dark grey slightly sandy silty CLAY	B
DCBH2019_7	2	C	18.64	20.5	2.07	1.72	-	Brown SAND	B
DCBH2019_7	7	C	24.15	20.8	2.05	1.69	-	Grey mottled yellowish brown slightly gravelly slightly silty/clayey SAND	B
DCBH2019_7	14	C	34.65	18.6	2.14	1.80	-	Grey slightly gravelly silty/clayey SAND	B
DCBH2019_7	16	C	37.65	15.9	2.06	1.78	-	Dark grey slightly gravelly silty/clayey SAND	B
DCBH2019_7	20	C	43.65	17.9	2.18	1.85	-	Dark grey gravelly silty/clayey SAND	B
DCBH2019_7	28	C	57.50	22.5	2.11	1.72	-	Dark brown very clayey SAND	B
DCBH2019_7	34	C	60.90	24.4	1.99	1.60	-	Light brown sandy SILT	B

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Sizewell C Onshore GI Phase 2 2019

Contract Ref:

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SUMMARY OF DENSITY TESTS

In accordance with BS EN ISO 17892-2 : 2014 Clause 6.1.1 (Linear Method)

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content (%)	Bulk Density (Mg/m^3)	Dry Density (Mg/m^3)	Volume (if less than 50 cm^3)	Description	Lab location
DCBH2019_7	35	C	62.80	24.2	2.00	1.61	-	Greyish brown mottled grey clayey SAND	**B**
DCBH2019_7	37	C	66.84	26.6	1.97	1.55	-	Greyish brown slightly sandy CLAY	**B**
DCBH2019_7	39	C	68.76	26.7	2.05	1.62	-	Bluish grey mottled orange CLAY	**B**
DCBH2019_7	40	C	71.47	41.9	1.78	1.25	-	Dark grey slightly sandy CLAY	**B**
DCBH2019_7	47	C	76.36	38.6	1.82	1.32	-	Dark brownish grey CLAY	**B**
DCBH2019_7	50	C	78.55	42.6	1.78	1.25	-	Dark brownish grey silty CLAY	**B**
DCBH2019_7	52	C	79.35	38.5	1.88	1.35	-	Dark brownish grey clayey SILT	**B**

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

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Contract Ref: **734318**

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Sizewell C Onshore GI Phase 2 2019

FILTER PAPER SUCTION TEST

In accordance with BRE IP4/93

Borehole : **DCBH2019_6** Sample Ref : **18** Sample Type : **C** Depth (m) : **47.46**

Description : **Greyish brown slightly gravelly CLAY**

Test Date Start: **17/02/2020** Test Date End: **27/02/2020** Testing Period: **11 days**

Results

TOP

Water Content of Filter Paper (%) = **55.7**
Suction (kN/m^2) = **52**

MIDDLE

Water Content of Filter Paper (%) = **56.5**
Suction (kN/m^2) = **51**

BOTTOM

Water Content of Filter Paper (%) = **56.9**
Suction (kN/m^2) = **50**

SAMPLE AVERAGES

Average Water Content of Filter Paper (%) = **56.4**
Average Suction (kN/m^2) = **51**

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[redacted]ed By		Date
	CONNEL MCLAUGHLIN	23/04/20
Contra[redacted]	Job No	
Sizewell C Onshore GI Phase 2 2019	734318	

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - FILTER PAPER SUCTION TEST - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 23/04/20 - 11:13 | AF3 |

FILTER PAPER SUCTION TEST

In accordance with BRE IP4/93

Borehole : **DCBH2019_6** Sample Ref : **25** Sample Type : **C** Depth (m) : **55.48**

Description : **Dark brown CLAY**

Test Date Start: **17/02/2020** Test Date End: **27/02/2020** Testing Period: **11 days**

Results

TOP

Water Content of Filter Paper (%) = **34.0**
Suction (kN/m^2) = **532**

MIDDLE

Water Content of Filter Paper (%) = **35.0**
Suction (kN/m^2) = **458**

BOTTOM

Water Content of Filter Paper (%) = **35.7**
Suction (kN/m^2) = **417**

SAMPLE AVERAGES

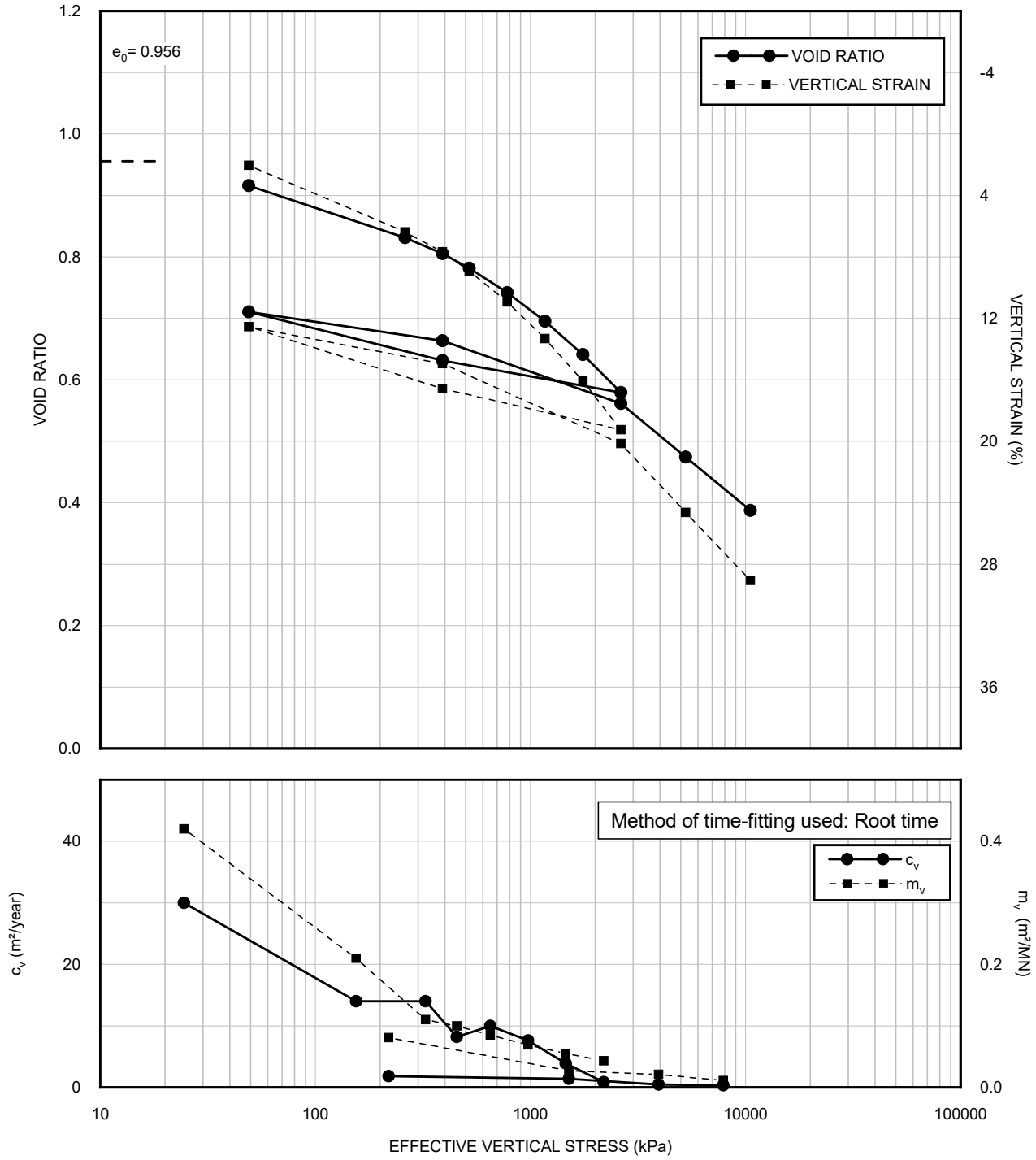
Average Water Content of Filter Paper (%) = **34.9**
Average Suction (kN/m^2) = **467**

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[redacted] CONNEL MCLAUGHLIN	23/04/20

Contract	Job No
Sizewell C Onshore GI Phase 2 2019	734318

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - FILTER PAPER SUCTION TEST - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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Initial Conditions					
Specimen height	: 18.1 mm	Bulk density	: 1.84 Mg/m^3	Borehole	: CH2019_R2
Specimen diameter	: 50.0 mm	Dry density	: 1.38 Mg/m^3		
Degree of saturation	: 93 %	Water content	: 33.1 %	Sample	: 24
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 53.74
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

Drawn by: LH Date: 20/05/2020

Template Issue: 3

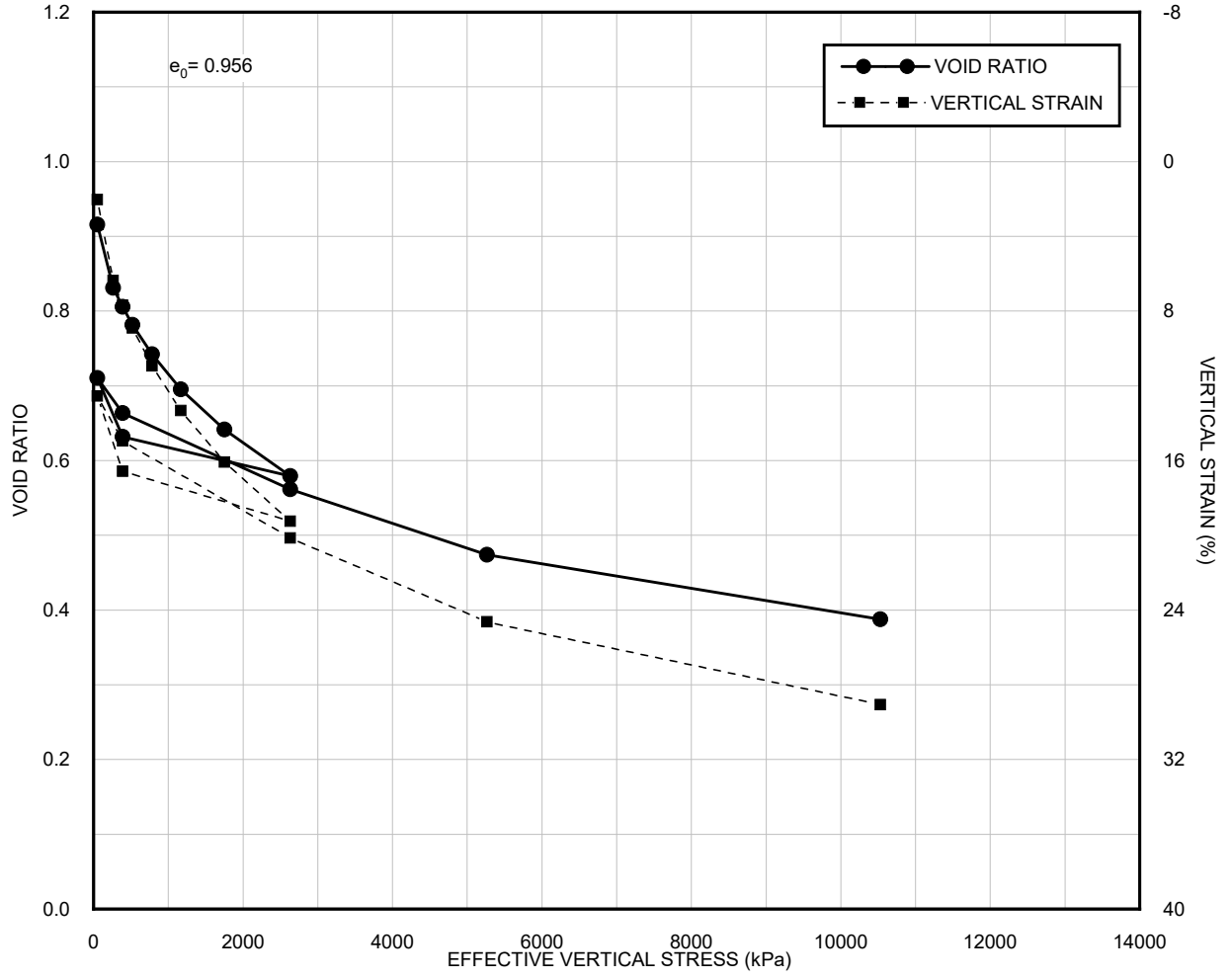
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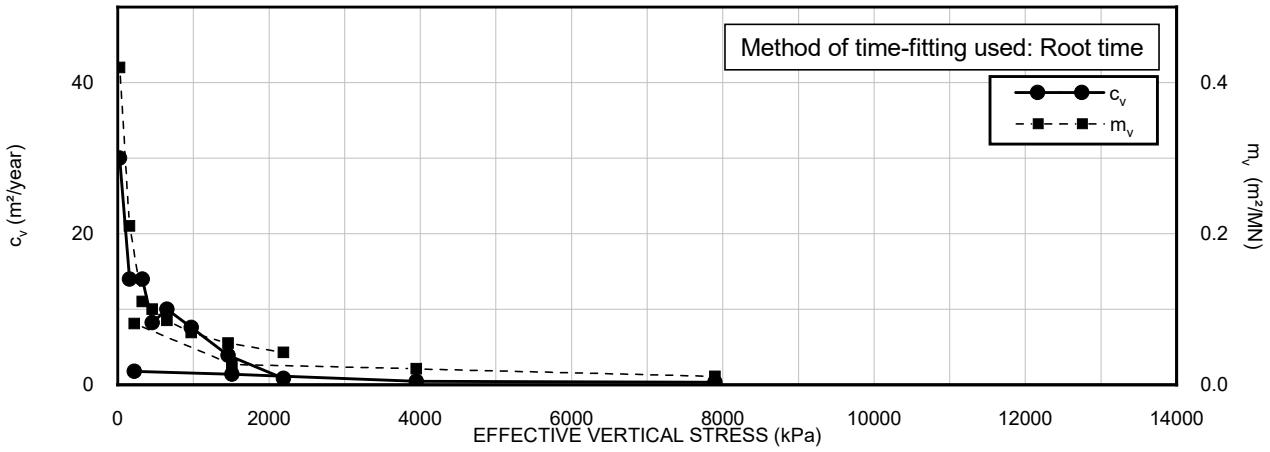
Date : 20/05/2020

Checked by: MSR

Date : 20/05/2020

Approved by: MSR





Initial Conditions					
Specimen height	: 18.1 mm	Bulk density	: 1.84 Mg/m^3	Borehole	: CH2019_R2
Specimen diameter	: 50.0 mm	Dry density	: 1.38 Mg/m^3		
Degree of saturation	: 93 %	Water content	: 33.1 %	Sample	: 24
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 53.74
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

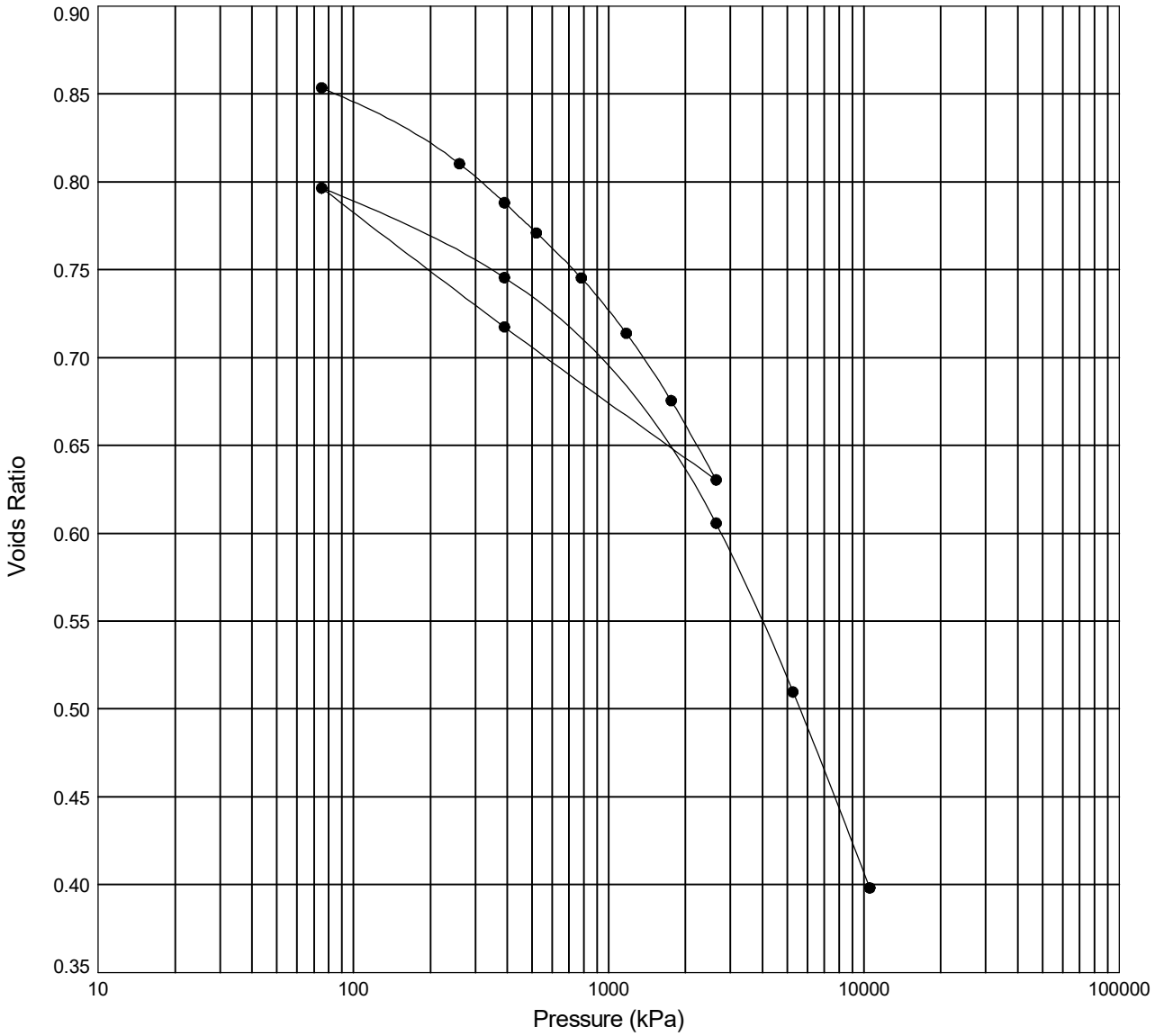
Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **CH2019_R2** Sample Ref: **26** Sample Type: **C** Depth (m): **54.60**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**34**	Moisture Content (%)	:	**22**
Bulk Density (Mg/m^3)	:	**1.91**	Bulk Density (Mg/m^3)	:	**2.31**
Dry Density (Mg/m^3)	:	**1.42**	Dry Density (Mg/m^3)	:	**1.90**
Void Ratio	:	**0.8688**	Void Ratio	:	**0.3982**

Specimen Details			
Description	Height (mm)	:	**20.06**
	Diameter (mm)	:	**75.01**
Dark greyish brown silty CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 75	**0.11**	**0.48**	**0.8535**
75 - 260	**0.13**	**0.59**	**0.8103**
260 - 390	**0.094**	**0.56**	**0.7881**
390 - 520	**0.074**	**0.96**	**0.7709**
520 - 780	**0.056**	**1.5**	**0.7453**
780 - 1170	**0.046**	**1.00**	**0.7138**
1170 - 1755	**0.038**	**0.37**	**0.6755**
1755 - 2633	**0.031**	**0.24**	**0.6304**
2633 - 390	**NA**	**NA**	**0.7174**
390 - 75	**NA**	**NA**	**0.7964**
75 - 390	**0.090**	**0.40**	**0.7455**
390 - 2633	**0.036**	**0.56**	**0.6057**
2633 - 5265	**0.023**	**0.17**	**0.5097**
5265 - 10530	**0.014**	**0.13**	**0.3982**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **16.9 - 21.6.**

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Compiled By: [redacted] **MYRTO SAVVA** Date: **28/05/20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

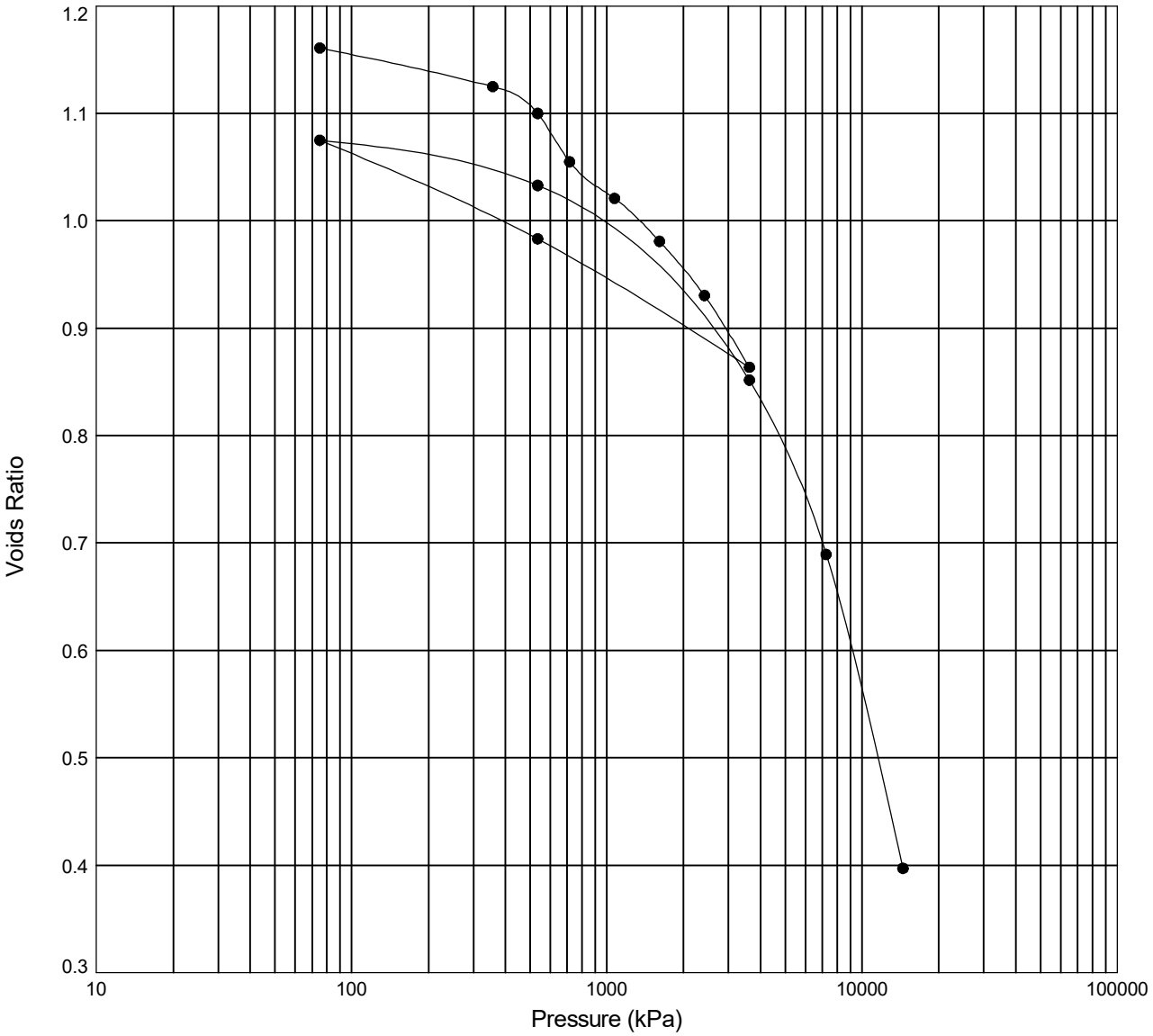
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GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - 1D CONSOL DL -1- A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **CH2019_R2** Sample Ref: **51** Sample Type: **C** Depth (m): **74.54**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**50**	Moisture Content (%)	:	**36**
Bulk Density (Mg/m^3)	:	**1.79**	Bulk Density (Mg/m^3)	:	**2.53**
Dry Density (Mg/m^3)	:	**1.20**	Dry Density (Mg/m^3)	:	**1.86**
Void Ratio	:	**1.172**	Void Ratio	:	**0.3970**

Specimen Details			
Description	Height (mm)	:	**20.08**
	Diameter (mm)	:	**49.97**
Dark brownish grey silty CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.60**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 75	**0.066**	**3.1**	**1.161**
75 - 357	**0.059**	**0.68**	**1.125**
357 - 535.5	**0.066**	**0.29**	**1.100**
535.5 - 714	**0.12**	**0.22**	**1.055**
714 - 1071	**0.046**	**0.27**	**1.021**
1071 - 1606.5	**0.037**	**0.16**	**0.9809**
1606.5 - 2410	**0.032**	**0.14**	**0.9305**
2410 - 3615	**0.029**	**0.10**	**0.8636**
3615 - 535.5	**NA**	**NA**	**0.9832**
535.5 - 75	**NA**	**NA**	**1.075**
75 - 535.5	**0.044**	**0.49**	**1.033**
535.5 - 3615	**0.029**	**0.14**	**0.8517**
3615 - 7229	**0.024**	**0.071**	**0.6894**
7229 - 14459	**0.024**	**0.040**	**0.3970**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.1 - 21.8.**

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[redacted] By: **FRANCESCA BENNETT** Date: **28/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

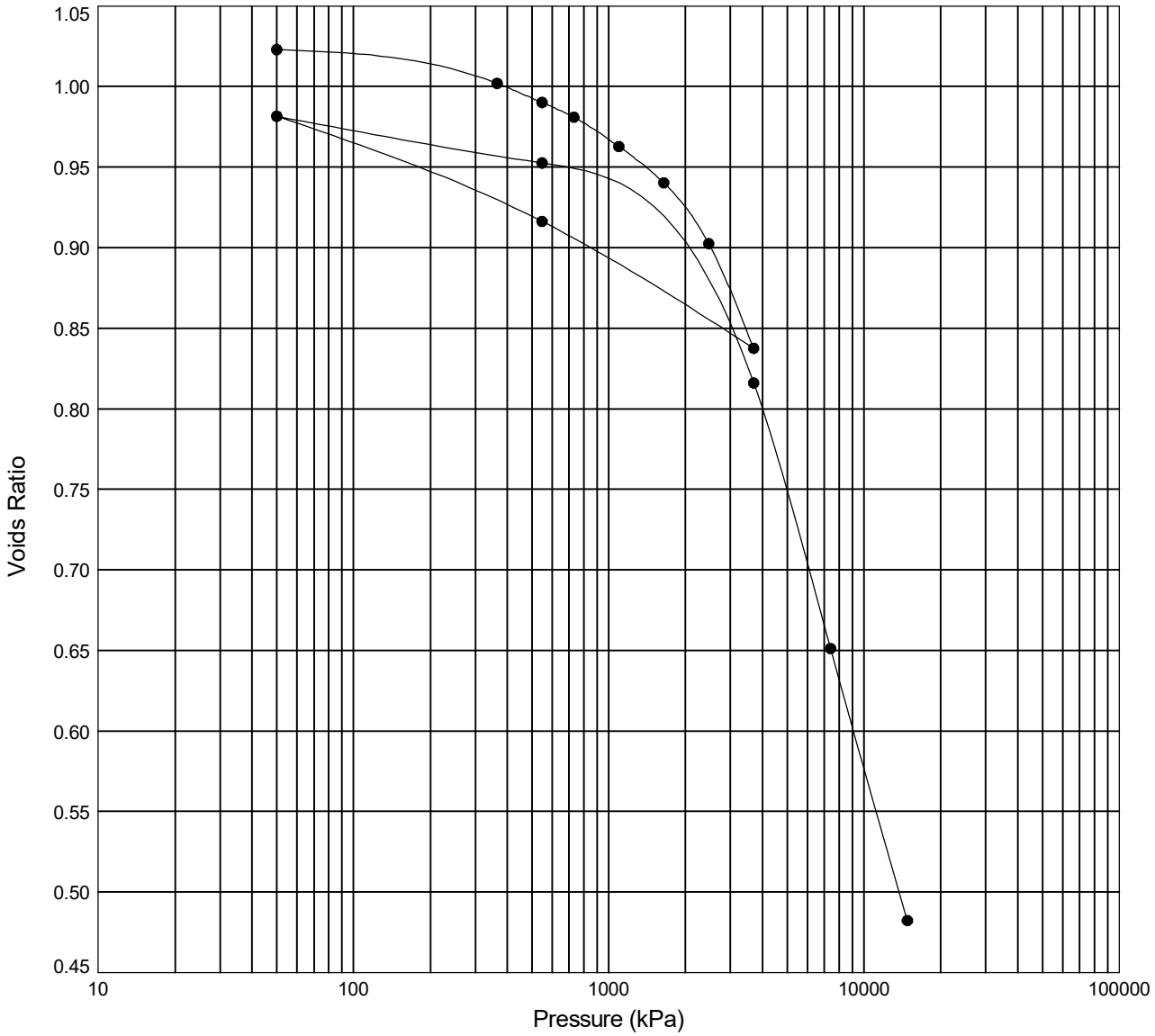
AGS

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - 1D CONSOL DL -1- A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **CH2019_R2** Sample Ref: **55** Sample Type: **C** Depth (m): **76.69**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**42**	Moisture Content (%)	:	**26**
Bulk Density (Mg/m^3)	:	**1.85**	Bulk Density (Mg/m^3)	:	**2.25**
Dry Density (Mg/m^3)	:	**1.31**	Dry Density (Mg/m^3)	:	**1.78**
Void Ratio	:	**1.028**	Void Ratio	:	**0.4823**

Specimen Details			
Description	Height (mm)	:	**19.93**
	Diameter (mm)	:	**49.89**
Dark brownish grey slightly sandy silty CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**0.049**	**20**	**1.023**
50 - 365	**0.033**	**7.8**	**1.002**
365 - 547.5	**0.033**	**1.6**	**0.9901**
547.5 - 730	**0.025**	**2.0**	**0.9810**
730 - 1095	**0.025**	**3.9**	**0.9628**
1095 - 1643	**0.021**	**1.3**	**0.9403**
1643 - 2464	**0.024**	**4.3**	**0.9025**
2464 - 3696	**0.028**	**0.40**	**0.8375**
3696 - 547.5	**NA**	**NA**	**0.9163**
547.5 - 50	**NA**	**NA**	**0.9816**
50 - 547.5	**0.029**	**9.6**	**0.9526**
547.5 - 3696	**0.022**	**0.47**	**0.8160**
3696 - 7391	**0.025**	**0.11**	**0.6512**
7391 - 14783	**0.014**	**0.051**	**0.4823**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.1 - 21.8.**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

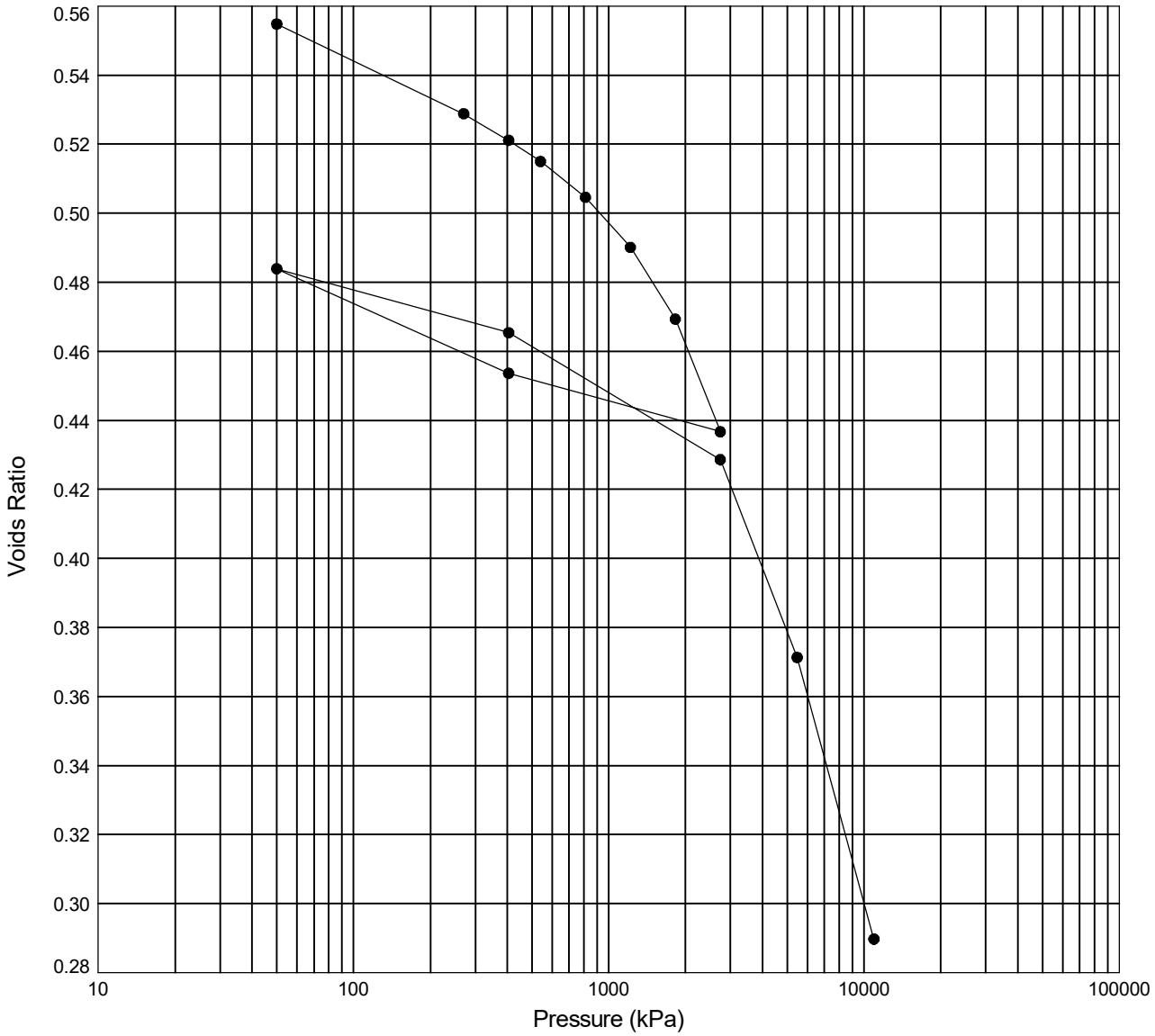
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_2** Sample Ref: **45** Sample Type: **C** Depth (m): **57.04**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**22**	Moisture Content (%)	:	**14**
Bulk Density (Mg/m^3)	:	**2.06**	Bulk Density (Mg/m^3)	:	**2.35**
Dry Density (Mg/m^3)	:	**1.70**	Dry Density (Mg/m^3)	:	**2.06**
Void Ratio	:	**0.5625**	Void Ratio	:	**0.2897**

Specimen Details			
Description	Height (mm)	:	**20.06**
	Diameter (mm)	:	**75.01**
Dark yellowish brown mottled grey slightly sandy silty CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results

Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**0.099**	**44**	**0.5548**
50 - 270	**0.076**	**43**	**0.5288**
270 - 405	**0.037**	**85**	**0.5211**
405 - 540	**0.030**	**30**	**0.5150**
540 - 810	**0.025**	**18**	**0.5046**
810 - 1215	**0.024**	**14**	**0.4901**
1215 - 1822.5	**0.023**	**4.5**	**0.4693**
1822.5 - 2734	**0.024**	**39**	**0.4367**
2734 - 405	**NA**	**NA**	**0.4536**
405 - 50	**NA**	**NA**	**0.4839**
50 - 405	**0.035**	**50**	**0.4654**
405 - 2734	**0.011**	**64**	**0.4286**
2734 - 5468	**0.015**	**21**	**0.3713**
5468 - 10935	**0.011**	**9.0**	**0.2897**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **18.2 - 21.1.**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

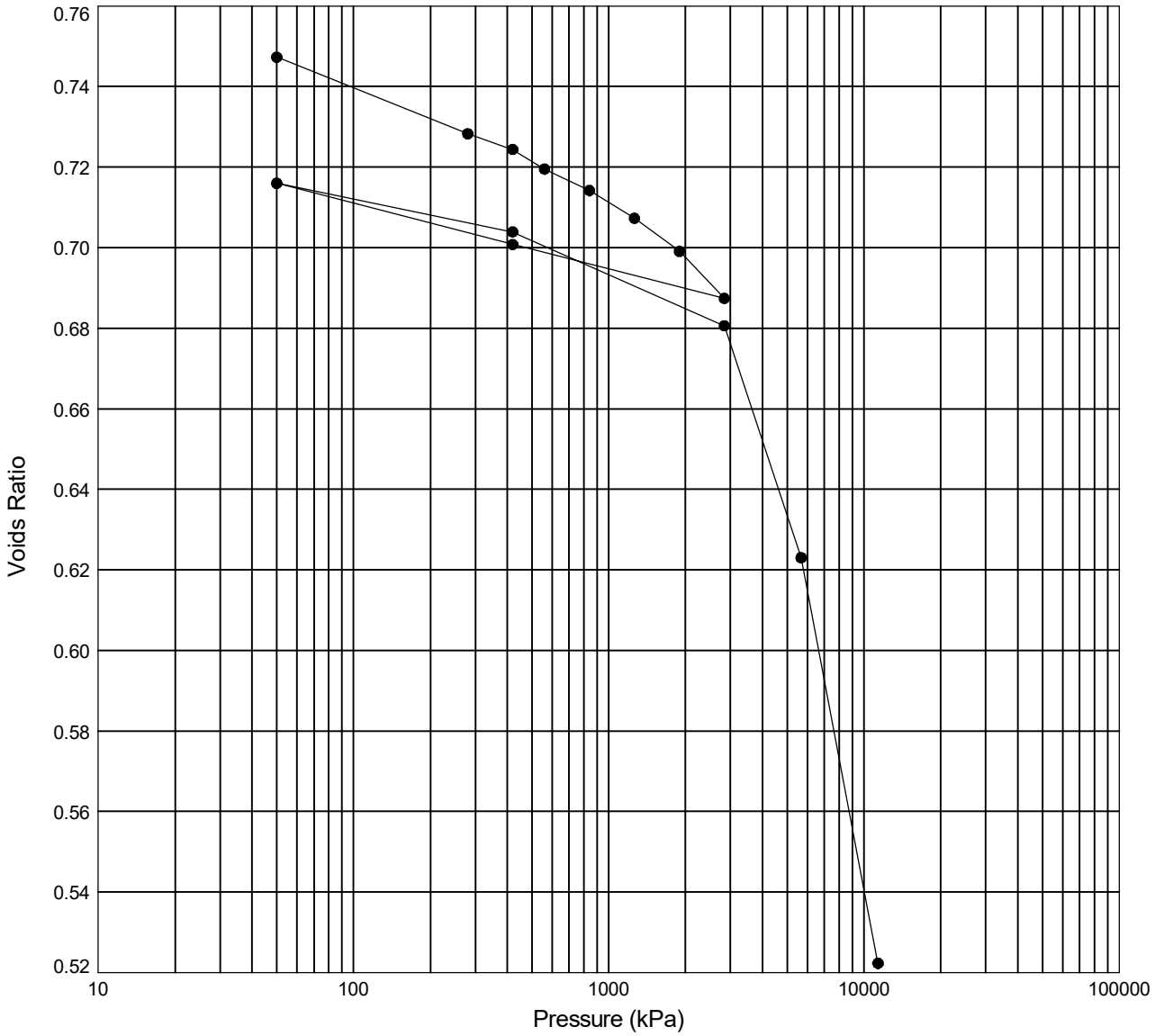
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_2** Sample Ref: **46** Sample Type: **C** Depth (m): **59.15**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**29**	Moisture Content (%)	:	**26**
Bulk Density (Mg/m^3)	:	**1.94**	Bulk Density (Mg/m^3)	:	**2.20**
Dry Density (Mg/m^3)	:	**1.50**	Dry Density (Mg/m^3)	:	**1.74**
Void Ratio	:	**0.7608**	Void Ratio	:	**0.5223**

Specimen Details			
Description	Height (mm)	:	**20.10**
	Diameter (mm)	:	**49.97**
Dark yellowish brown slightly sandy SILT	Particle Density (Mg/m^3) (measured)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results

Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**0.15**	**0.000**	**0.7473**
50 - 280	**0.047**	**218**	**0.7283**
280 - 420	**0.016**	**43**	**0.7244**
420 - 560	**0.020**	**31**	**0.7195**
560 - 840	**0.011**	**71**	**0.7142**
840 - 1260	**0.010**	**42**	**0.7073**
1260 - 1890	**0.008**	**35**	**0.6991**
1890 - 2835	**0.007**	**83**	**0.6874**
2835 - 420	**NA**	**NA**	**0.7008**
420 - 50	**NA**	**NA**	**0.7160**
50 - 420	**0.019**	**35**	**0.7039**
420 - 2835	**0.006**	**83**	**0.6806**
2835 - 5670	**0.012**	**49**	**0.6230**
5670 - 11340	**0.011**	**36**	**0.5223**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **18.1 - 20.9.**

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Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

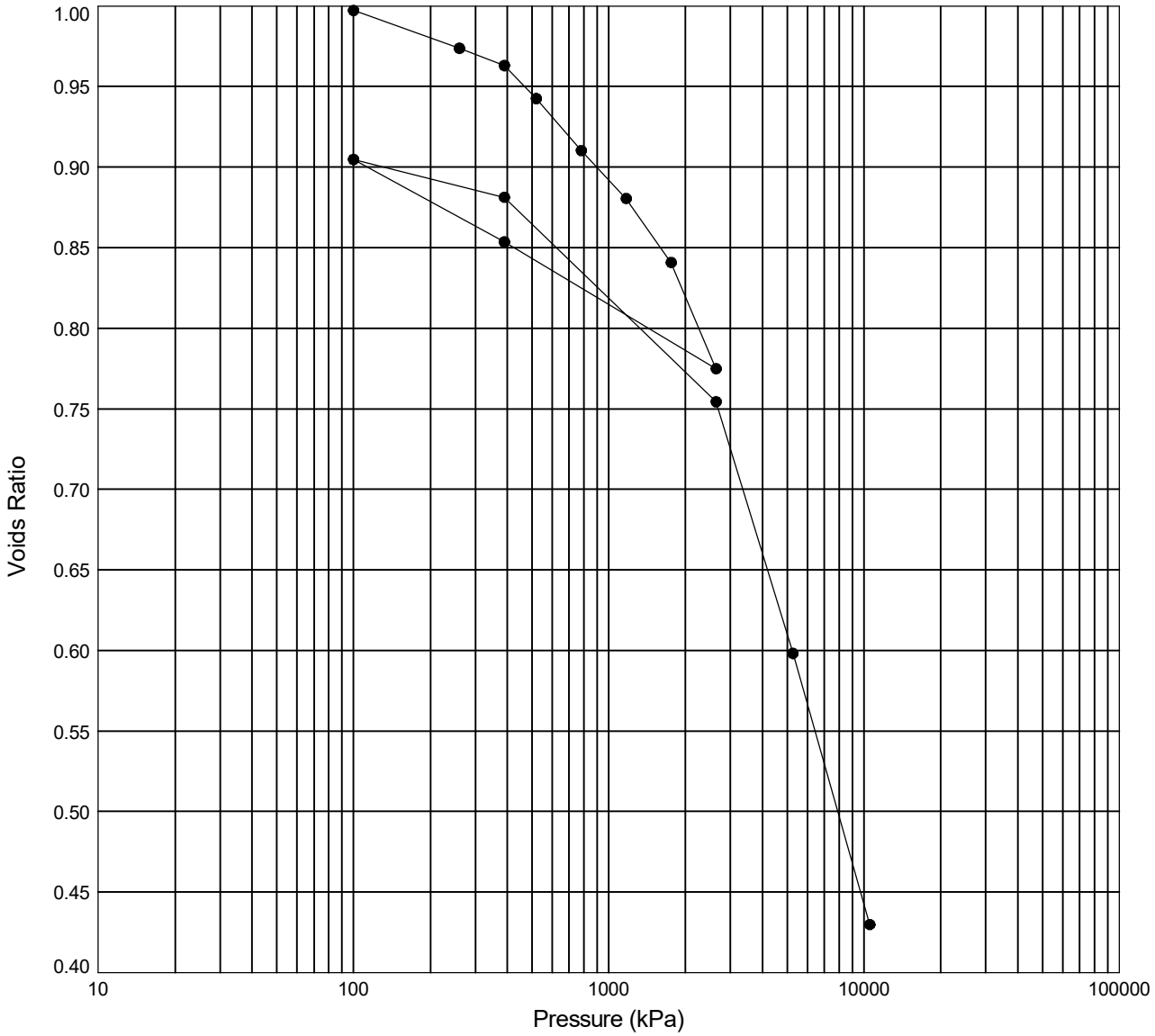
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_3** Sample Ref: **31** Sample Type: **C** Depth (m): **53.15**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**44**	Moisture Content (%)	:	**30**
Bulk Density (Mg/m^3)	:	**1.81**	Bulk Density (Mg/m^3)	:	**2.30**
Dry Density (Mg/m^3)	:	**1.26**	Dry Density (Mg/m^3)	:	**1.77**
Void Ratio	:	**1.006**	Void Ratio	:	**0.4298**

Specimen Details			
Description	Height (mm)	:	**20.13**
	Diameter (mm)	:	**49.97**
Dark greyish brown slightly sandy CLAY	Particle Density (Mg/m^3) (measured)	:	**2.53**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 100	**0.043**	**6.6**	**0.9973**
100 - 260	**0.074**	**4.3**	**0.9738**
260 - 390	**0.042**	**17**	**0.9631**
390 - 520	**0.080**	**0.78**	**0.9426**
520 - 780	**0.064**	**2.9**	**0.9103**
780 - 1170	**0.040**	**5.9**	**0.8805**
1170 - 1755	**0.036**	**4.3**	**0.8408**
1755 - 2632.5	**0.041**	**1.3**	**0.7749**
2632.5 - 390	**NA**	**NA**	**0.8536**
390 - 100	**NA**	**NA**	**0.9048**
100 - 390	**0.042**	**6.9**	**0.8813**
390 - 2632.5	**0.030**	**1.2**	**0.7544**
2632.5 - 5265	**0.034**	**0.28**	**0.5981**
5265 - 10530	**0.020**	**0.16**	**0.4298**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **16 - 20.5.**

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Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

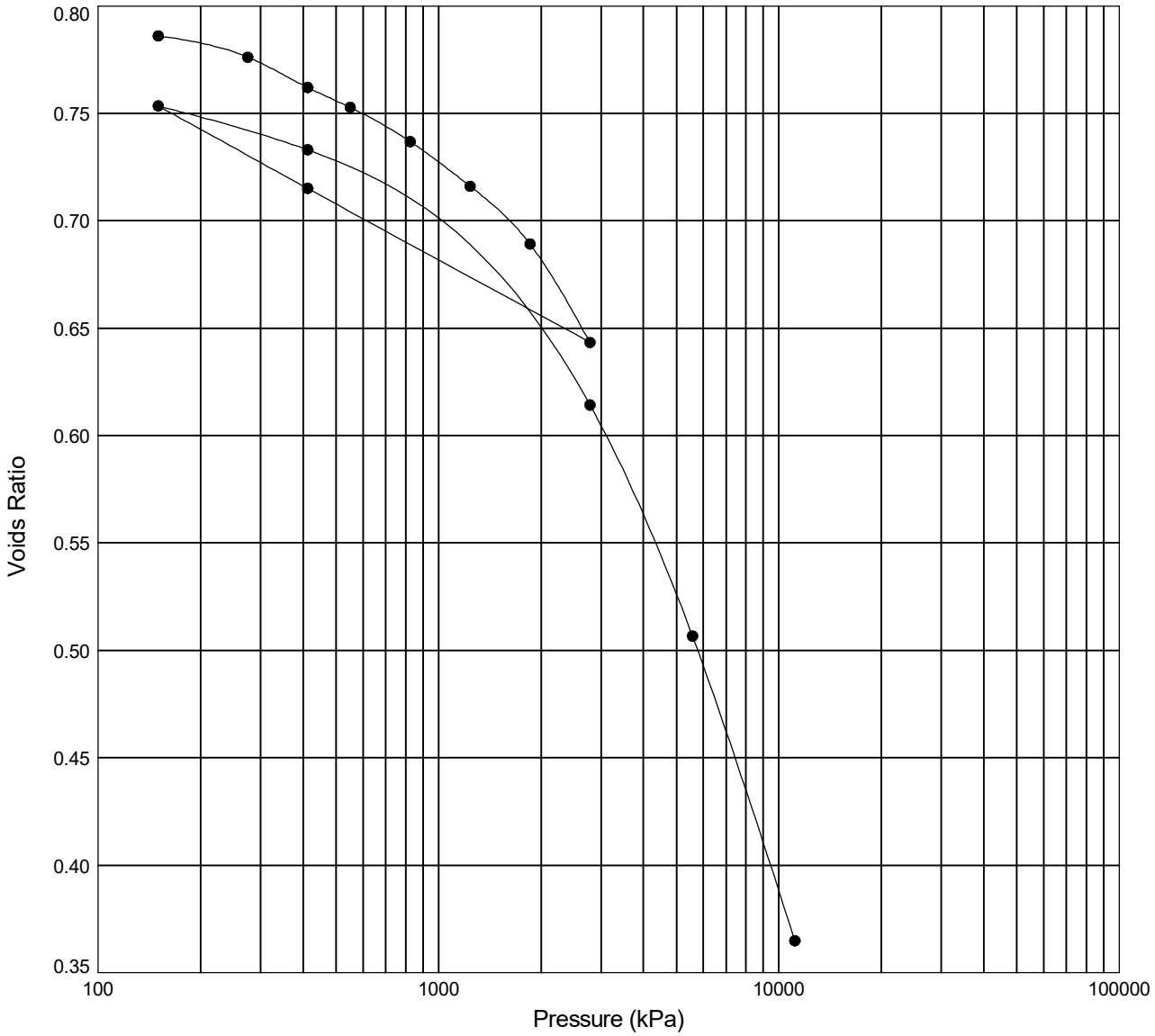
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_3** Sample Ref: **35** Sample Type: **C** Depth (m): **56.78**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**32**	Moisture Content (%)	:	**22**
Bulk Density (Mg/m^3)	:	**1.96**	Bulk Density (Mg/m^3)	:	**2.38**
Dry Density (Mg/m^3)	:	**1.48**	Dry Density (Mg/m^3)	:	**1.95**
Void Ratio	:	**0.7925**	Void Ratio	:	**0.3648**

Specimen Details			
Description	Height (mm)	:	**20.08**
	Diameter (mm)	:	**49.97**
Dark brown slightly sandy CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 150	**0.024**	**32**	**0.7861**
150 - 275	**0.044**	**5.3**	**0.7762**
275 - 412.5	**0.057**	**1.6**	**0.7621**
412.5 - 550	**0.039**	**1.3**	**0.7528**
550 - 825	**0.033**	**1.7**	**0.7369**
825 - 1238	**0.029**	**1.2**	**0.7161**
1238 - 1856	**0.025**	**0.98**	**0.6892**
1856 - 2784	**0.029**	**0.44**	**0.6434**
2784 - 412.5	**NA**	**NA**	**0.7151**
412.5 - 150	**NA**	**NA**	**0.7535**
150 - 412.5	**0.044**	**1.5**	**0.7331**
412.5 - 2785	**0.029**	**0.75**	**0.6143**
2785 - 5569	**0.024**	**0.38**	**0.5067**
5569 - 11138	**0.017**	**0.23**	**0.3648**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **18.1 - 21.1.**

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

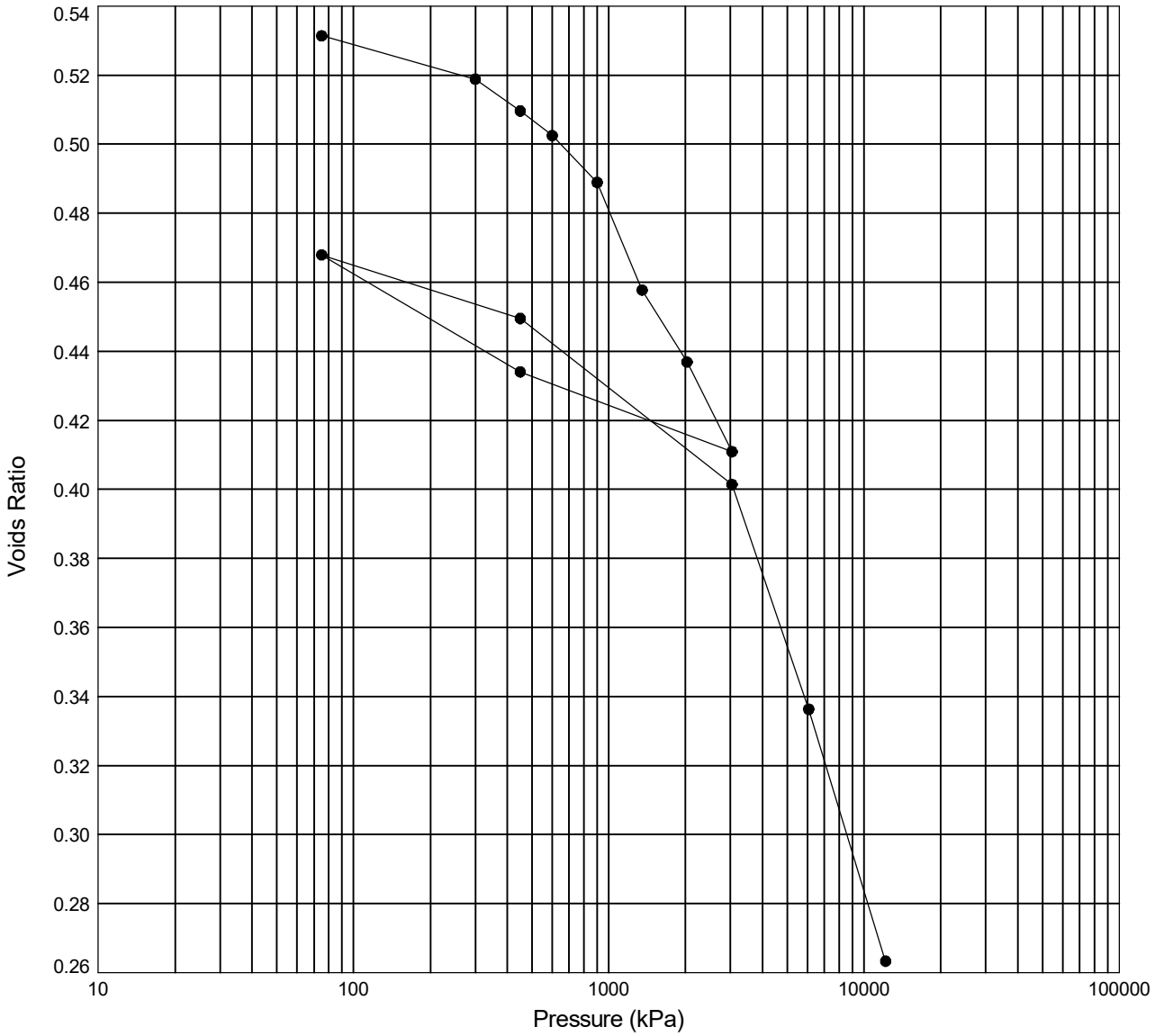
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_3** Sample Ref: **40** Sample Type: **C** Depth (m): **62.66**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**22**	Moisture Content (%)	:	**14**
Bulk Density (Mg/m^3)	:	**2.10**	Bulk Density (Mg/m^3)	:	**2.39**
Dry Density (Mg/m^3)	:	**1.72**	Dry Density (Mg/m^3)	:	**2.10**
Void Ratio	:	**0.5382**	Void Ratio	:	**0.2633**

Specimen Details			
Description	Height (mm)	:	**20.11**
	Diameter (mm)	:	**49.97**
Yellowish brown mottled grey slightly sandy silty CLAY	Particle Density (Mg/m^3) (measured)	:	**2.64**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 75	**0.059**	**74**	**0.5314**
75 - 300	**0.037**	**44**	**0.5188**
300 - 450	**0.040**	**43**	**0.5096**
450 - 600	**0.031**	**25**	**0.5025**
600 - 900	**0.030**	**30**	**0.4889**
900 - 1350	**0.046**	**14**	**0.4577**
1350 - 2025	**0.021**	**15**	**0.4369**
2025 - 3037.5	**0.018**	**9.6**	**0.4109**
3037.5 - 450	**NA**	**NA**	**0.4340**
450 - 75	**NA**	**NA**	**0.4679**
75 - 450	**0.033**	**5.2**	**0.4495**
450 - 3037.5	**0.013**	**17**	**0.4014**
3037.5 - 6075	**0.015**	**3.9**	**0.3363**
6075 - 12150	**0.009**	**3.6**	**0.2633**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.5 - 20.9.**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

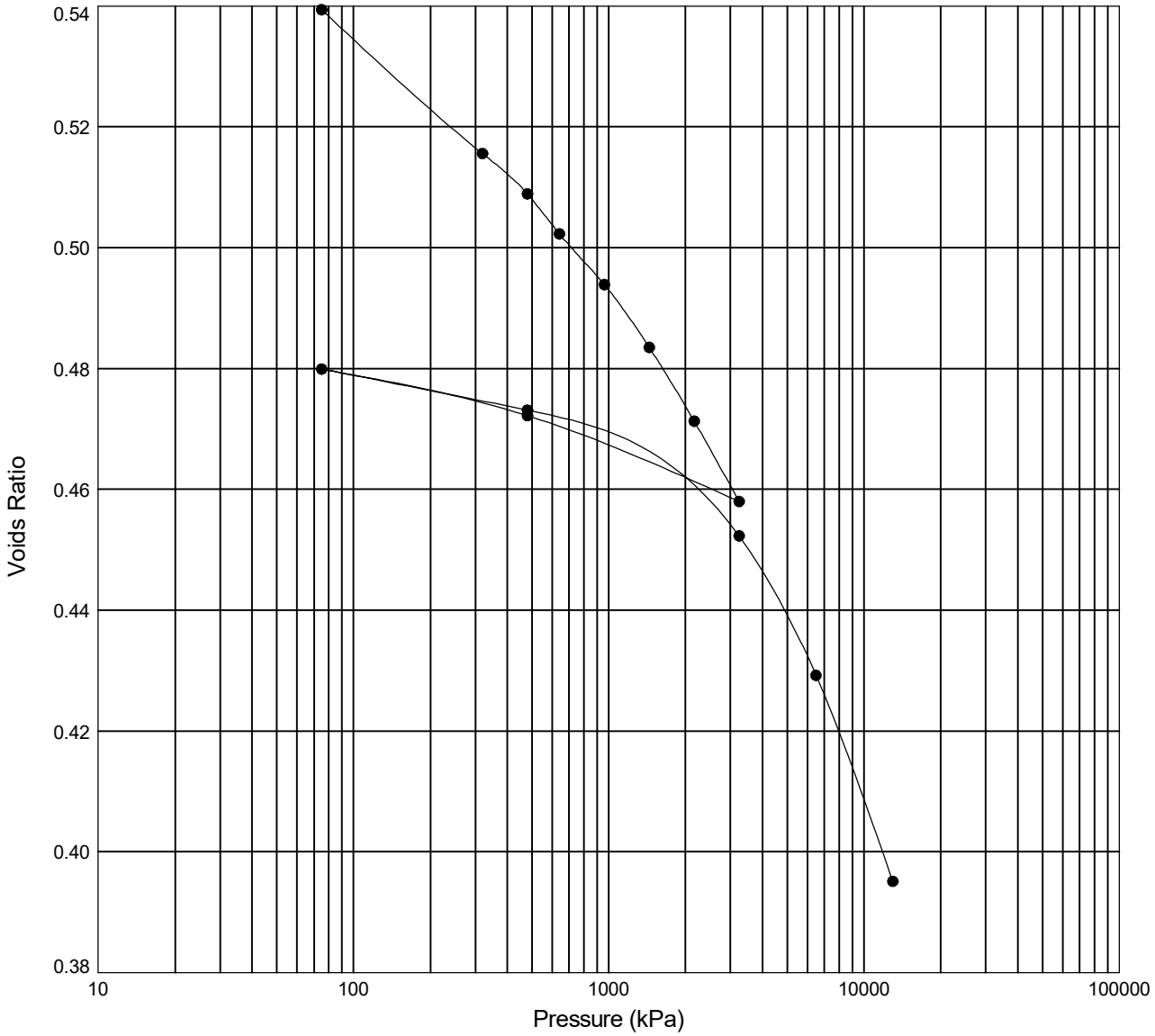
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_3** Sample Ref: **42** Sample Type: **C** Depth (m): **65.40**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**24**	Moisture Content (%)	:	**17**
Bulk Density (Mg/m^3)	:	**2.08**	Bulk Density (Mg/m^3)	:	**2.21**
Dry Density (Mg/m^3)	:	**1.68**	Dry Density (Mg/m^3)	:	**1.89**
Void Ratio	:	**0.5676**	Void Ratio	:	**0.3951**

Specimen Details			
Description	Height (mm)	:	**20.20**
	Diameter (mm)	:	**49.97**
Grey mottled brown silty SAND	Particle Density (Mg/m^3) (measured)	:	**2.63**
	Swelling Pressure (kPa)	:	**NA**

Test Results

Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 75	**0.24**	**44**	**0.5394**
75 - 320	**0.063**	**108**	**0.5156**
320 - 480	**0.028**	**25**	**0.5089**
480 - 640	**0.027**	**4.4**	**0.5023**
640 - 960	**0.017**	**41**	**0.4939**
960 - 1440	**0.015**	**51**	**0.4835**
1440 - 2160	**0.011**	**67**	**0.4713**
2160 - 3240	**0.008**	**79**	**0.4580**
3240 - 480	**NA**	**NA**	**0.4722**
480 - 75	**NA**	**NA**	**0.4799**
75 - 480	**0.011**	**80**	**0.4731**
480 - 3240	**0.005**	**9.9**	**0.4523**
3240 - 6480	**0.005**	**64**	**0.4292**
6480 - 12960	**0.004**	**7.7**	**0.3951**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.7 - 20.9.**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

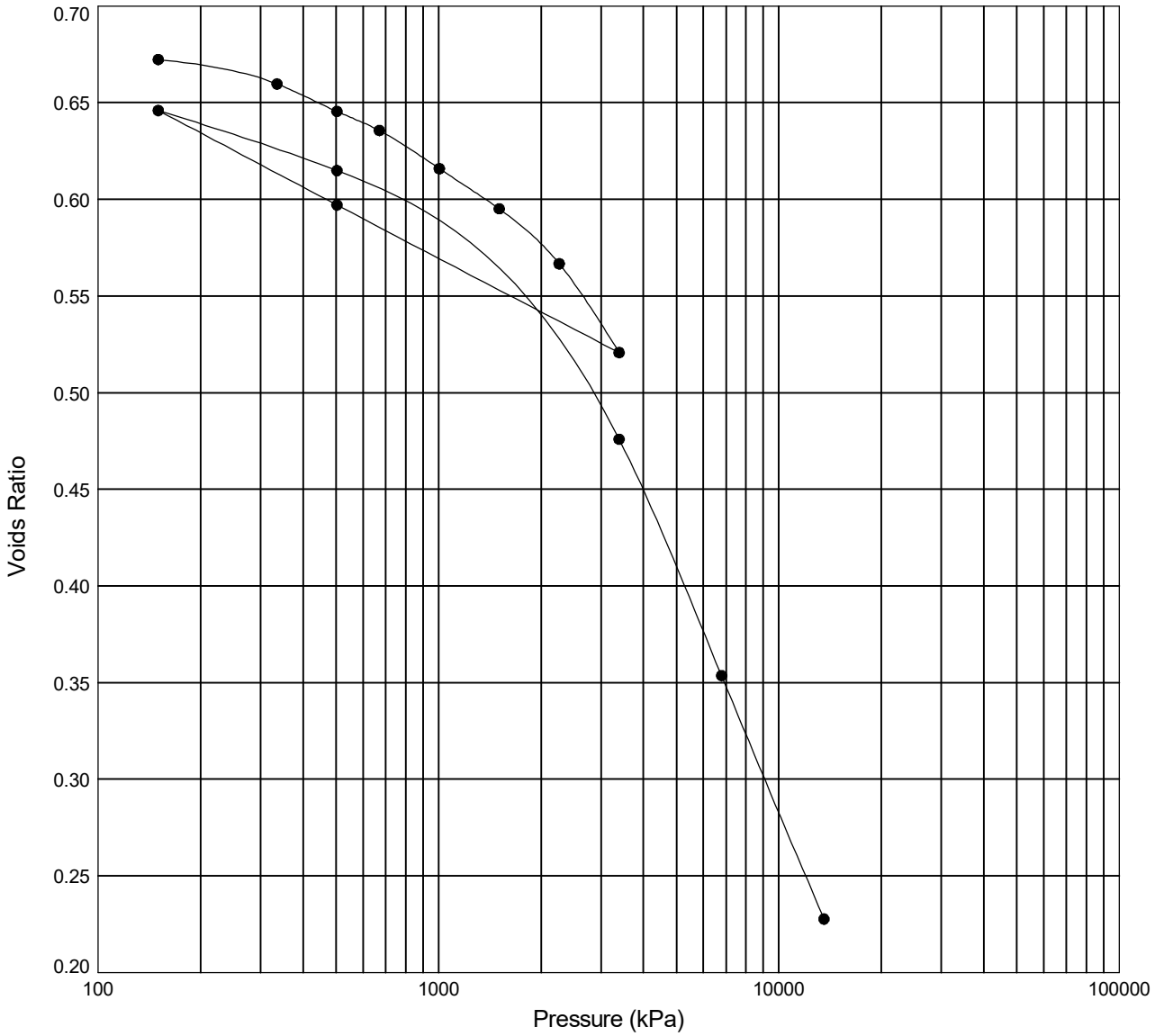
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_3** Sample Ref: **47** Sample Type: **C** Depth (m): **68.86**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**32**	Moisture Content (%)	:	**30**
Bulk Density (Mg/m^3)	:	**2.01**	Bulk Density (Mg/m^3)	:	**2.70**
Dry Density (Mg/m^3)	:	**1.52**	Dry Density (Mg/m^3)	:	**2.08**
Void Ratio	:	**0.6757**	Void Ratio	:	**0.2277**

Specimen Details			
Description	Height (mm)	:	**20.05**
	Diameter (mm)	:	**49.97**
Brown slightly gravelly slightly sandy CLAY	Particle Density (Mg/m^3) (measured)	:	**2.55**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 150	**0.014**	**9.3**	**0.6723**
150 - 335	**0.041**	**5.7**	**0.6597**
335 - 502.5	**0.051**	**1.5**	**0.6455**
502.5 - 670	**0.036**	**1.9**	**0.6356**
670 - 1005	**0.036**	**2.3**	**0.6159**
1005 - 1507.5	**0.026**	**1.6**	**0.5951**
1507.5 - 2261.3	**0.024**	**0.81**	**0.5667**
2261.3 - 3391.9	**0.026**	**0.55**	**0.5207**
3391.9 - 502.5	**NA**	**NA**	**0.5971**
502.5 - 150	**NA**	**NA**	**0.6460**
150 - 502.5	**0.054**	**2.3**	**0.6149**
502.5 - 3391.9	**0.030**	**0.85**	**0.4759**
3391.9 - 6783.8	**0.024**	**0.50**	**0.3536**
6783.8 - 13568	**0.014**	**0.40**	**0.2277**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.8 - 21.4.**

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C **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

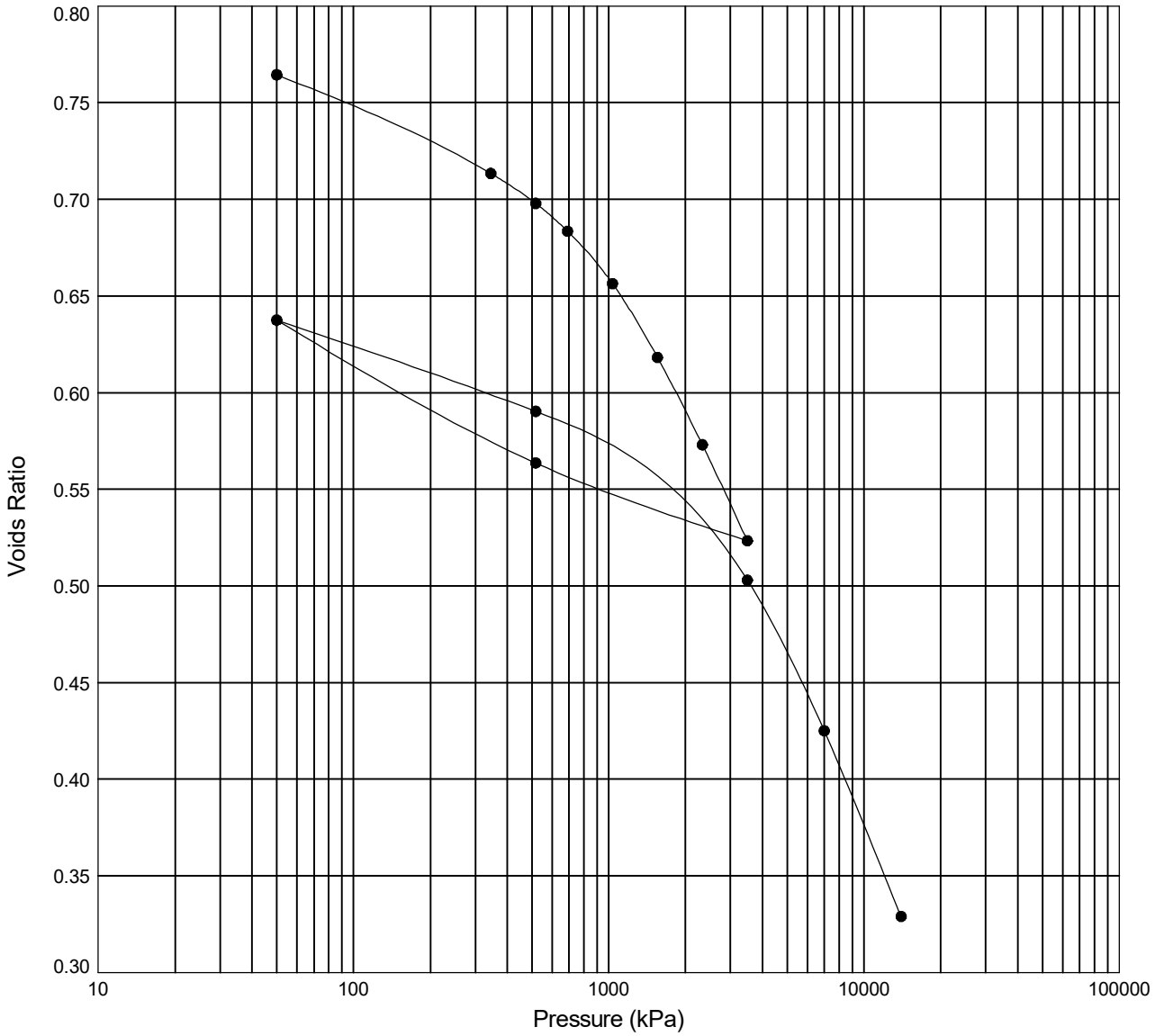
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_3** Sample Ref: **50** Sample Type: **C** Depth (m): **71.08**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**28**	Moisture Content (%)	:	**18**
Bulk Density (Mg/m^3)	:	**1.89**	Bulk Density (Mg/m^3)	:	**2.35**
Dry Density (Mg/m^3)	:	**1.48**	Dry Density (Mg/m^3)	:	**1.99**
Void Ratio	:	**0.7934**	Void Ratio	:	**0.3290**

Specimen Details			
Description	Height (mm)	:	**20.16**
	Diameter (mm)	:	**49.89**
Dark bluish grey slightly sandy CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**0.32**	**55**	**0.7644**
50 - 345	**0.098**	**30**	**0.7134**
345 - 517.5	**0.052**	**68**	**0.6979**
517.5 - 690	**0.049**	**67**	**0.6835**
690 - 1035	**0.047**	**22**	**0.6564**
1035 - 1552.5	**0.045**	**25**	**0.6182**
1552.5 - 2328.7	**0.036**	**6.6**	**0.5730**
2328.7 - 3493.1	**0.027**	**4.2**	**0.5234**
3493.1 - 517.5	**NA**	**NA**	**0.5636**
517.5 - 50	**NA**	**NA**	**0.6375**
50 - 517.5	**0.062**	**20**	**0.5903**
517.5 - 3493.1	**0.018**	**28**	**0.5030**
3493.1 - 6986.3	**0.015**	**50**	**0.4251**
6986.3 - 13972.5	**0.010**	**4.3**	**0.3290**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.7 - 21.2.**

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Compiled By	Date
[redacted] **DAISY RICHARDS**	**23/04/20**

Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

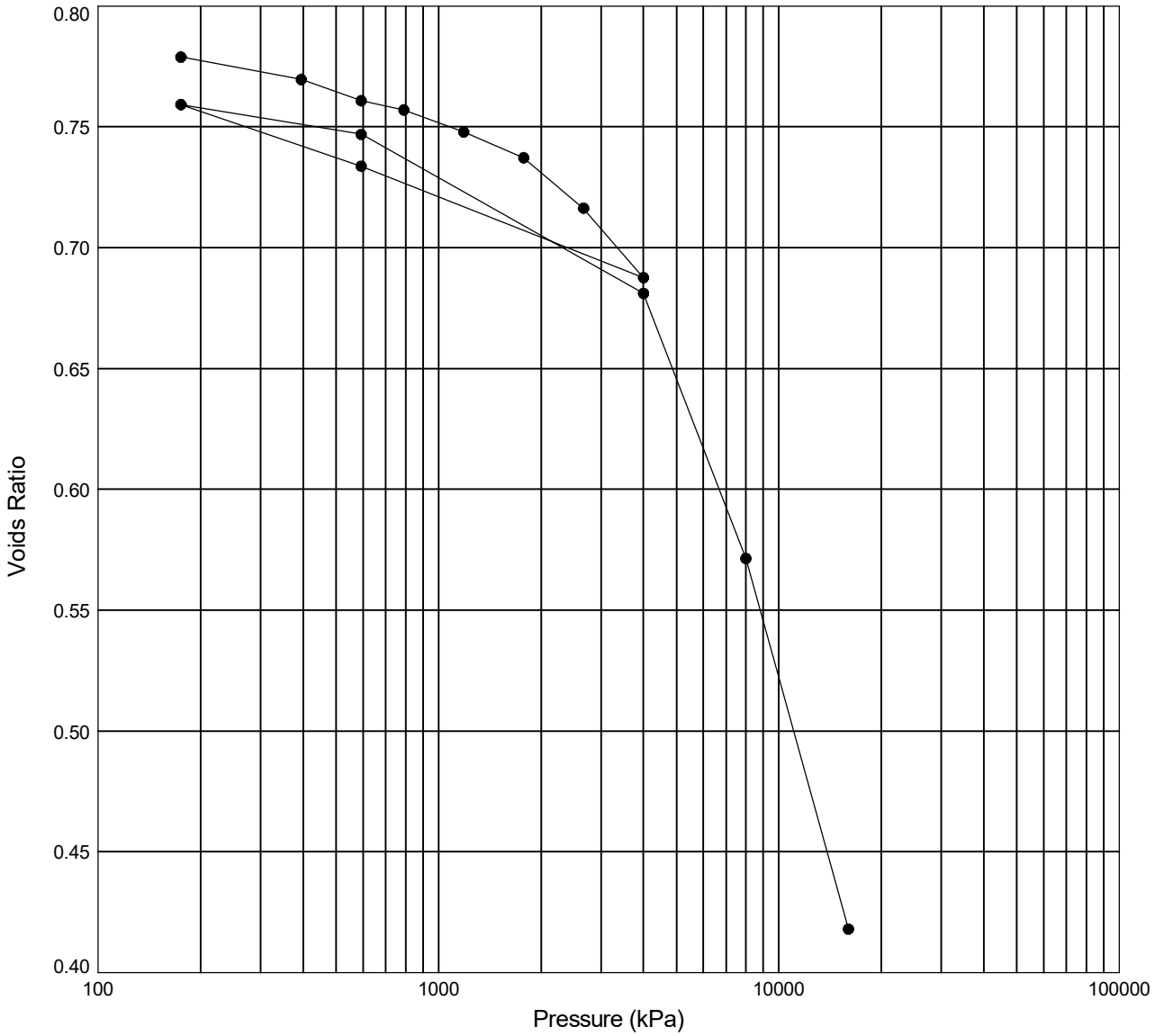
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_3** Sample Ref: **65** Sample Type: **C** Depth (m): **81.74**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**32**	Moisture Content (%)	:	**20**
Bulk Density (Mg/m^3)	:	**1.95**	Bulk Density (Mg/m^3)	:	**2.24**
Dry Density (Mg/m^3)	:	**1.48**	Dry Density (Mg/m^3)	:	**1.87**
Void Ratio	:	**0.7863**	Void Ratio	:	**0.4180**

Specimen Details			
Description	Height (mm)	:	**20.07**
	Diameter (mm)	:	**49.97**
Dark brown CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**150**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
150 - 175	**0.17**	**10**	**0.7789**
175 - 395	**0.024**	**14**	**0.7696**
395 - 592.5	**0.025**	**3.0**	**0.7608**
592.5 - 790	**0.011**	**9.0**	**0.7570**
790 - 1185	**0.013**	**9.0**	**0.7479**
1185 - 1778	**0.010**	**11**	**0.7372**
1778 - 2666	**0.014**	**2.6**	**0.7163**
2666 - 3999	**0.013**	**3.0**	**0.6876**
3999 - 592.5	**NA**	**NA**	**0.7337**
592.5 - 175	**NA**	**NA**	**0.7592**
175 - 592.5	**0.017**	**8.1**	**0.7469**
592.5 - 3999	**0.011**	**2.3**	**0.6811**
3999 - 7999	**0.016**	**1.3**	**0.5714**
7999 - 15998	**0.012**	**0.27**	**0.4180**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.5 - 21.2.**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

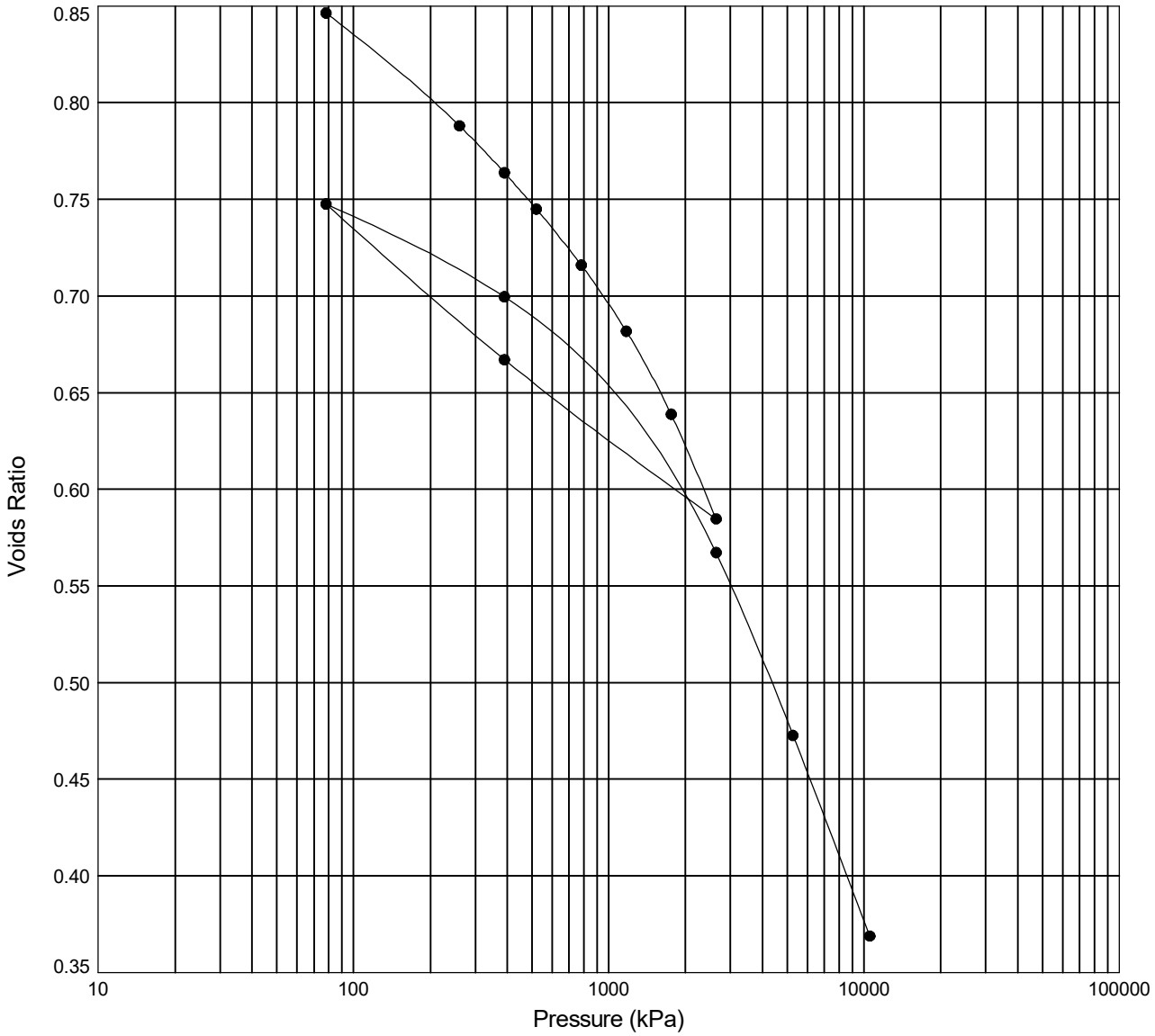
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_4** Sample Ref: **6** Sample Type: **C** Depth (m): **55.75**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**34**	Moisture Content (%)	:	**21**
Bulk Density (Mg/m^3)	:	**1.91**	Bulk Density (Mg/m^3)	:	**2.34**
Dry Density (Mg/m^3)	:	**1.42**	Dry Density (Mg/m^3)	:	**1.93**
Void Ratio	:	**0.8662**	Void Ratio	:	**0.3689**

Specimen Details			
Description	Height (mm)	:	**20.06**
	Diameter (mm)	:	**74.87**
Dark brownish grey slightly sandy CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**28**

Test Results

Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
28 - 78	**0.21**	**4.1**	**0.8464**
78 - 260	**0.17**	**0.87**	**0.7881**
260 - 390	**0.10**	**1.0**	**0.7638**
390 - 520	**0.082**	**3.1**	**0.7450**
520 - 780	**0.064**	**1.3**	**0.7160**
780 - 1170	**0.051**	**1.4**	**0.6818**
1170 - 1755	**0.044**	**0.68**	**0.6388**
1755 - 2632.5	**0.038**	**0.39**	**0.5847**
2632.5 - 390	**NA**	**NA**	**0.6671**
390 - 78	**NA**	**NA**	**0.7476**
78 - 390	**0.088**	**0.84**	**0.6996**
390 - 2632.5	**0.035**	**0.63**	**0.5673**
2632.5 - 5265	**0.023**	**0.23**	**0.4727**
5265 - 10530	**0.013**	**0.16**	**0.3689**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **18 - 21.5.**

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Compiled By		Date
[redacted]	**MYRTO SAVVA**	**23/04/20**

Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

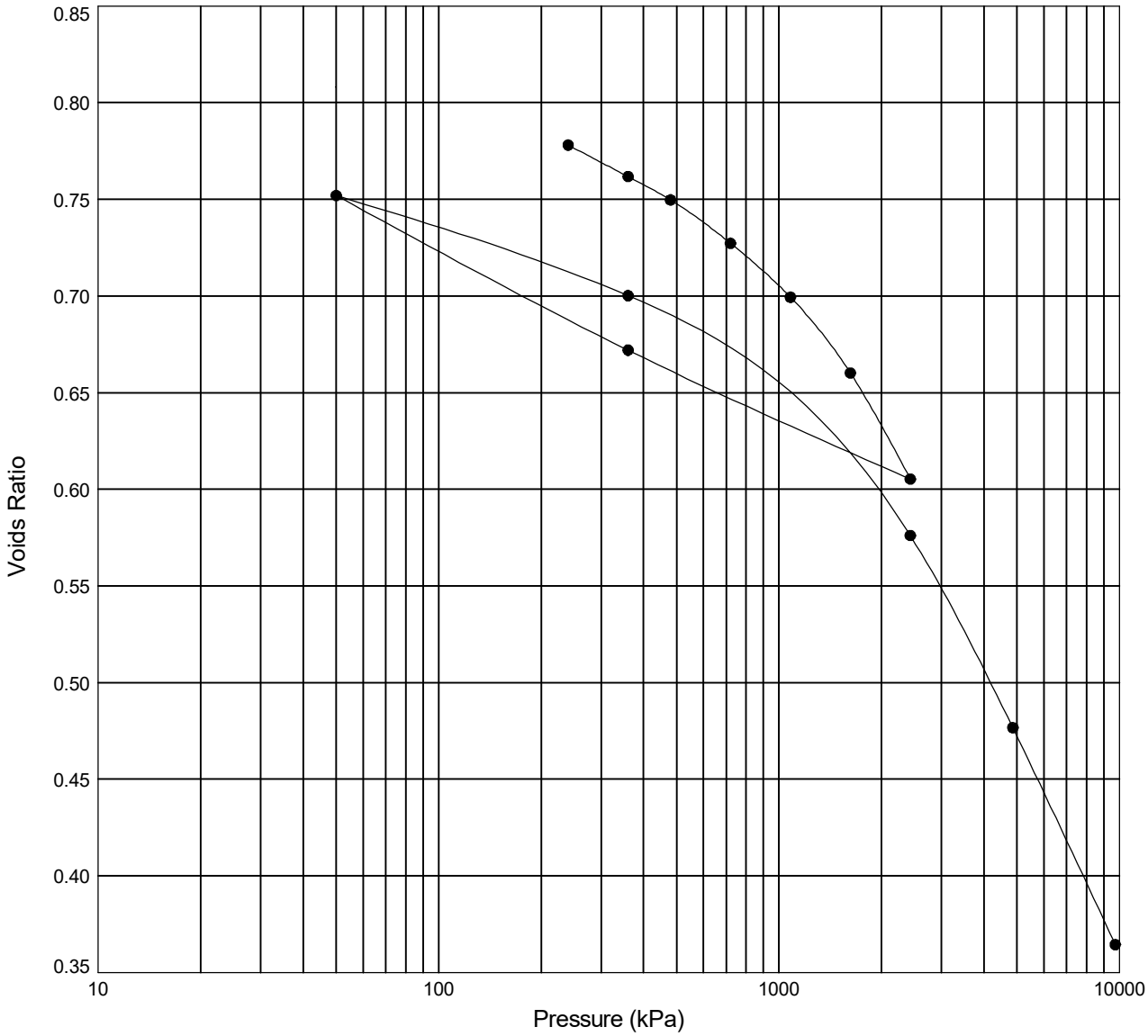
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_5** Sample Ref: **16** Sample Type: **C** Depth (m): **51.55**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**32**	Moisture Content (%)	:	**21**
Bulk Density (Mg/m^3)	:	**1.91**	Bulk Density (Mg/m^3)	:	**2.34**
Dry Density (Mg/m^3)	:	**1.45**	Dry Density (Mg/m^3)	:	**1.94**
Void Ratio	:	**0.8250**	Void Ratio	:	**0.3645**

Specimen Details			
Description	Height (mm)	:	**20.10**
	Diameter (mm)	:	**75.01**
Greyish brown slightly sandy CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**Sample**	**Swelling**	**0.8080**
50 - 240	**0.087**	**17**	**0.7781**
240 - 360	**0.076**	**18**	**0.7618**
360 - 480	**0.057**	**10**	**0.7497**
480 - 720	**0.053**	**11**	**0.7273**
720 - 1080	**0.045**	**15**	**0.6994**
1080 - 1620	**0.043**	**2.9**	**0.6602**
1620 - 2430	**0.041**	**1.2**	**0.6053**
2430 - 360	**NA**	**NA**	**0.6720**
360 - 50	**NA**	**NA**	**0.7520**
50 - 360	**0.095**	**1.7**	**0.7002**
360 - 2430	**0.035**	**4.0**	**0.5761**
2430 - 4860	**0.026**	**0.97**	**0.4767**
4860 - 9720	**0.016**	**0.64**	**0.3645**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.5 - 21.3.**

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[redacted] **FRANCESCA BENNETT**	**07/03/20**

Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

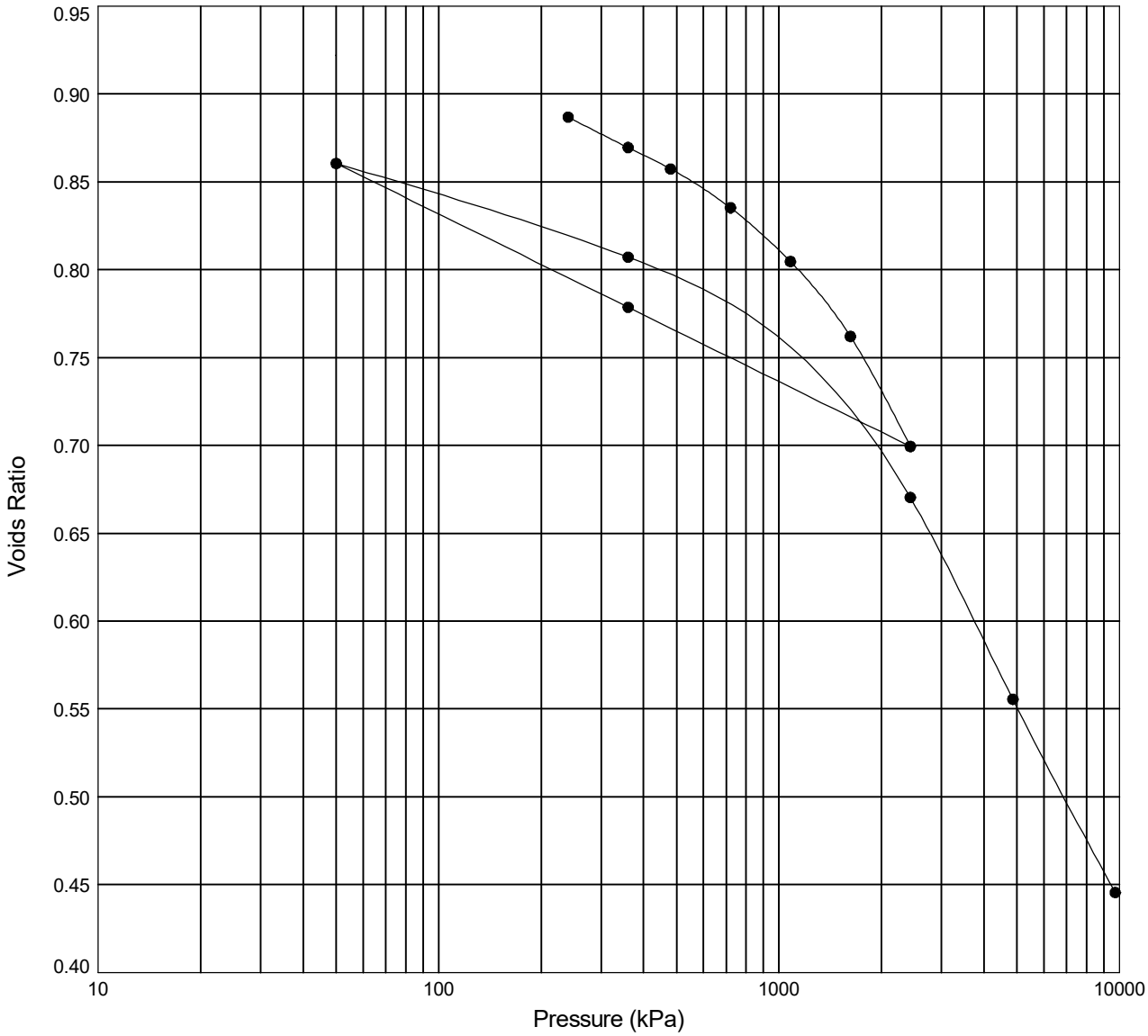
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_5** Sample Ref: **16** Sample Type: **C** Depth (m): **51.67**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**36**	Moisture Content (%)	:	**23**
Bulk Density (Mg/m^3)	:	**1.86**	Bulk Density (Mg/m^3)	:	**2.25**
Dry Density (Mg/m^3)	:	**1.37**	Dry Density (Mg/m^3)	:	**1.83**
Void Ratio	:	**0.9358**	Void Ratio	:	**0.4455**

Specimen Details			
Description	Height (mm)	:	**20.07**
	Diameter (mm)	:	**74.97**
Greyish brown slightly sandy CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**Sample**	**Swelling**	**0.9216**
50 - 240	**0.095**	**36**	**0.8868**
240 - 360	**0.076**	**11**	**0.8695**
360 - 480	**0.055**	**10**	**0.8573**
480 - 720	**0.050**	**10**	**0.8352**
720 - 1080	**0.046**	**7.5**	**0.8046**
1080 - 1620	**0.044**	**7.9**	**0.7620**
1620 - 2430	**0.044**	**2.2**	**0.6994**
2430 - 360	**NA**	**NA**	**0.7786**
360 - 50	**NA**	**NA**	**0.8604**
50 - 360	**0.092**	**1.5**	**0.8071**
360 - 2430	**0.037**	**1.6**	**0.6704**
2430 - 4860	**0.028**	**0.56**	**0.5555**
4860 - 9720	**0.015**	**0.26**	**0.4455**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **18.1 - 21.1.**

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Compiled By: [redacted] **CONNEL MCLAUGHLIN** Date: **07/03/20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

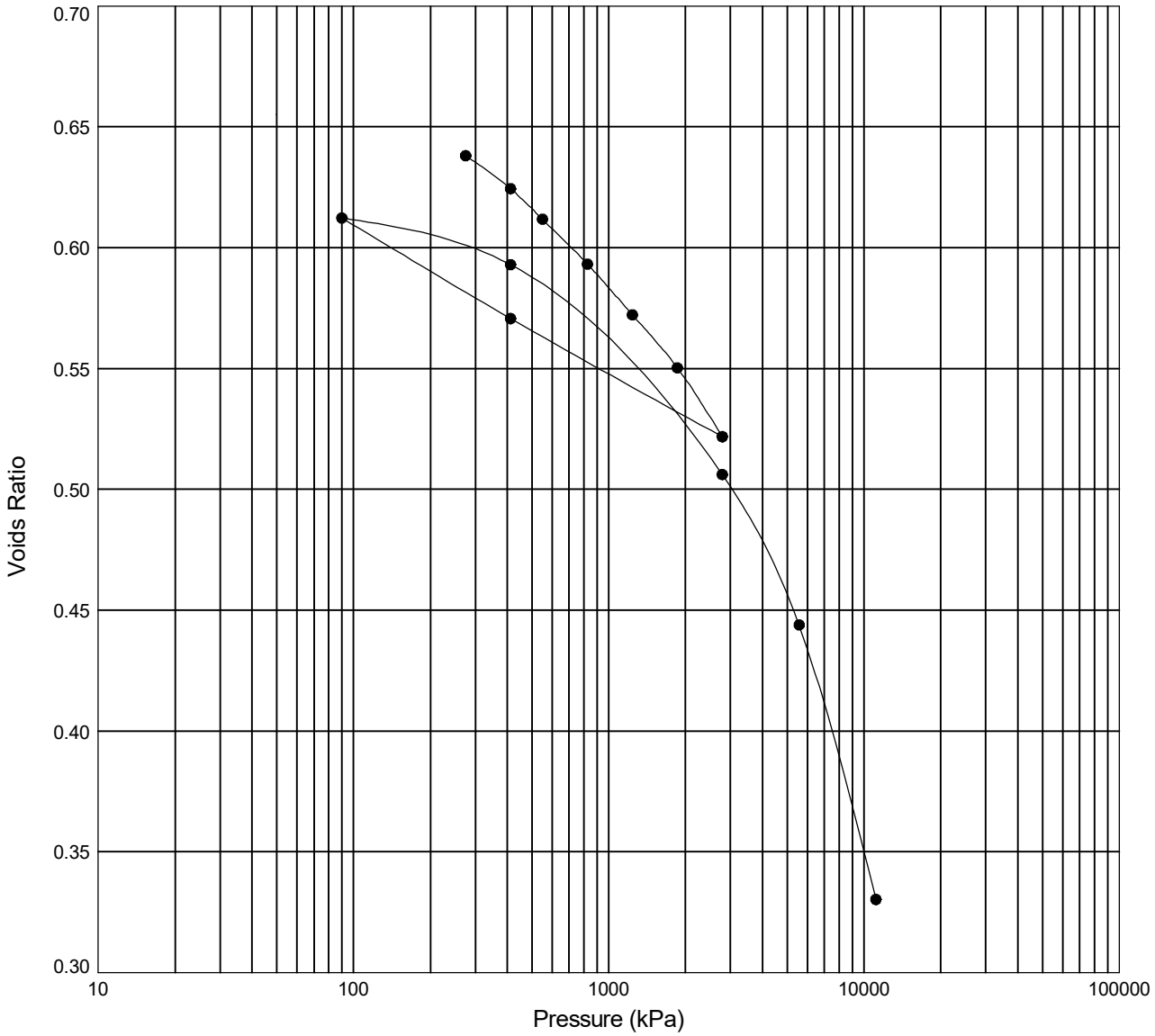
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_5** Sample Ref: **20** Sample Type: **C** Depth (m): **68.24**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**28**	Moisture Content (%)	:	**23**
Bulk Density (Mg/m^3)	:	**2.05**	Bulk Density (Mg/m^3)	:	**2.45**
Dry Density (Mg/m^3)	:	**1.60**	Dry Density (Mg/m^3)	:	**1.99**
Void Ratio	:	**0.6549**	Void Ratio	:	**0.3303**

Specimen Details			
Description	Height (mm)	:	**20.10**
	Diameter (mm)	:	**49.97**
Grey mottled yellowish brown slightly sandy CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results

Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**Sample**	**Swelling**	**0.6548**
50 - 275	**0.045**	**5.7**	**0.6381**
275 - 412.5	**0.061**	**1.4**	**0.6244**
412.5 - 550	**0.056**	**1.4**	**0.6118**
550 - 825	**0.042**	**2.1**	**0.5932**
825 - 1238	**0.032**	**1.8**	**0.5722**
1238 - 1856	**0.023**	**0.55**	**0.5503**
1856 - 2784	**0.020**	**0.25**	**0.5218**
2784 - 412.5	**NA**	**NA**	**0.5707**
412.5 - 90	**NA**	**NA**	**0.6123**
90 - 412.5	**0.037**	**3.9**	**0.5930**
412.5 - 2784	**0.023**	**0.99**	**0.5061**
2784 - 5569	**0.015**	**0.25**	**0.4439**
5569 - 11138	**0.014**	**0.10**	**0.3303**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.5 - 21.1.**

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Compiled By: [redacted] **CONNEL MCLAUGHLIN** Date: **05/06/20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

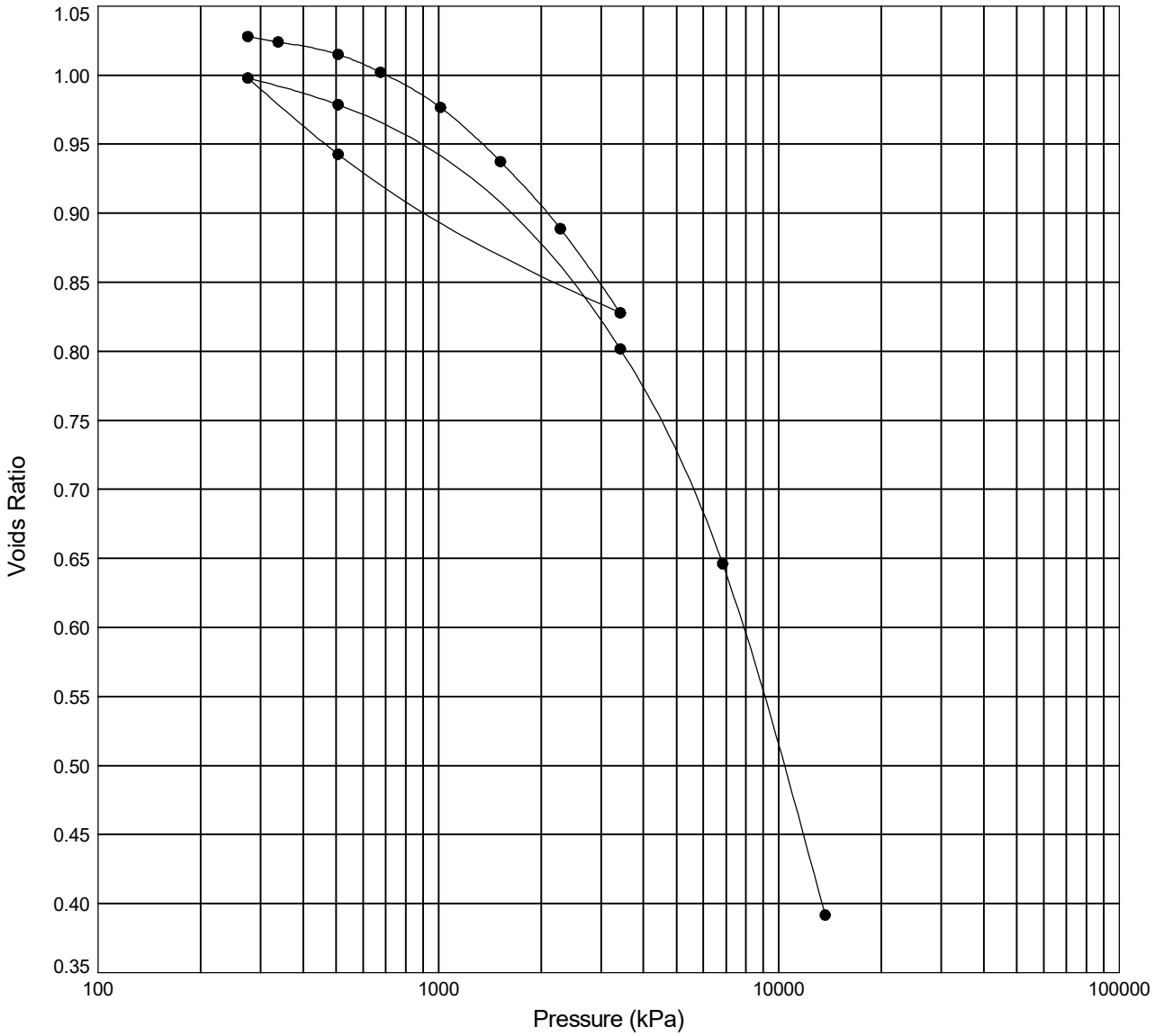
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_5** Sample Ref: **21** Sample Type: **C** Depth (m): **72.58**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**42**	Moisture Content (%)	:	**40**
Bulk Density (Mg/m^3)	:	**1.86**	Bulk Density (Mg/m^3)	:	**2.67**
Dry Density (Mg/m^3)	:	**1.31**	Dry Density (Mg/m^3)	:	**1.91**
Void Ratio	:	**1.029**	Void Ratio	:	**0.3917**

Specimen Details			
Description	Height (mm)	:	**20.05**
	Diameter (mm)	:	**49.97**
Dark grey silty CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 275	**0.003**	**11**	**1.028**
275 - 337.5	**0.025**	**4.9**	**1.024**
337.5 - 506.25	**0.026**	**1.8**	**1.015**
506.25 - 675	**0.038**	**0.58**	**1.002**
675 - 1012.5	**0.038**	**0.43**	**0.9766**
1012.5 - 1518.75	**0.039**	**0.25**	**0.9374**
1518.75 - 2278	**0.033**	**0.13**	**0.8888**
2278 - 3417	**0.028**	**0.095**	**0.8278**
3417 - 506.25	**NA**	**NA**	**0.9427**
506.25 - 275	**NA**	**NA**	**0.9980**
275 - 506.25	**0.042**	**3.3**	**0.9786**
506.25 - 3418	**0.031**	**0.24**	**0.8017**
3418 - 6834	**0.025**	**0.076**	**0.6462**
6834 - 13669	**0.023**	**0.053**	**0.3917**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **18.5 - 21.1.**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

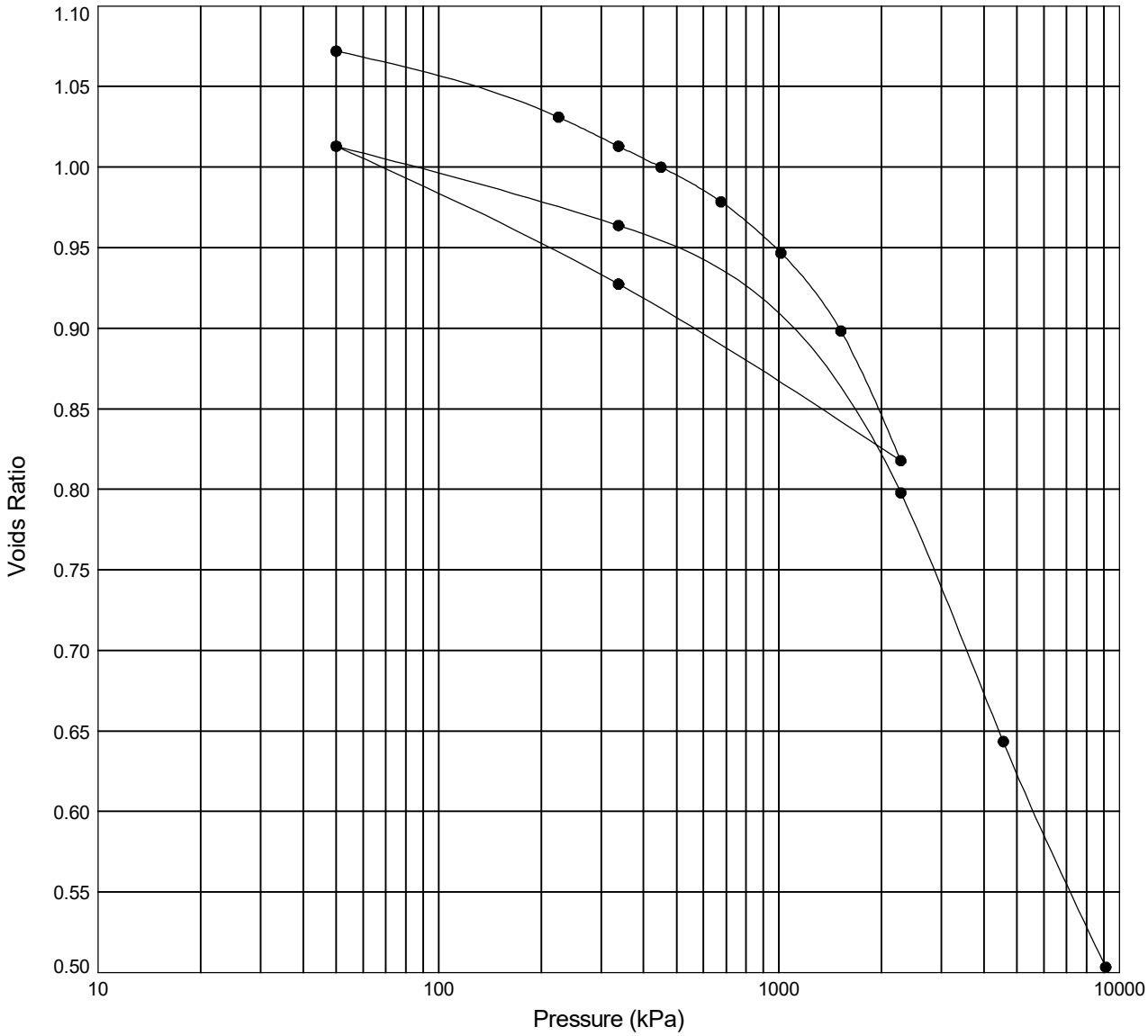
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_6** Sample Ref: **17** Sample Type: **C** Depth (m): **46.68**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**44**	Moisture Content (%)	:	**25**
Bulk Density (Mg/m^3)	:	**1.81**	Bulk Density (Mg/m^3)	:	**2.18**
Dry Density (Mg/m^3)	:	**1.25**	Dry Density (Mg/m^3)	:	**1.74**
Void Ratio	:	**1.093**	Void Ratio	:	**0.5034**

Specimen Details			
Description	Height (mm)	:	**20.06**
	Diameter (mm)	:	**75.01**
Greyish brown slightly sandy silty CLAY	Particle Density (Mg/m^3) (measured)	:	**2.62**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**0.20**	**22**	**1.072**
50 - 225	**0.11**	**4.8**	**1.031**
225 - 337.5	**0.080**	**2.9**	**1.013**
337.5 - 450	**0.056**	**1.4**	**1.000**
450 - 675	**0.048**	**2.0**	**0.9785**
675 - 1012.5	**0.048**	**2.5**	**0.9467**
1012.5 - 1519	**0.049**	**1.6**	**0.8983**
1519 - 2278	**0.056**	**1.6**	**0.8178**
2278 - 337.5	**NA**	**NA**	**0.9274**
337.5 - 50	**NA**	**NA**	**1.013**
50 - 337.5	**0.085**	**3.7**	**0.9637**
337.5 - 2278	**0.044**	**1.4**	**0.7978**
2278 - 4556	**0.038**	**0.26**	**0.6434**
4556 - 9112.5	**0.019**	**0.11**	**0.5034**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **18.1 - 21.8.**

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

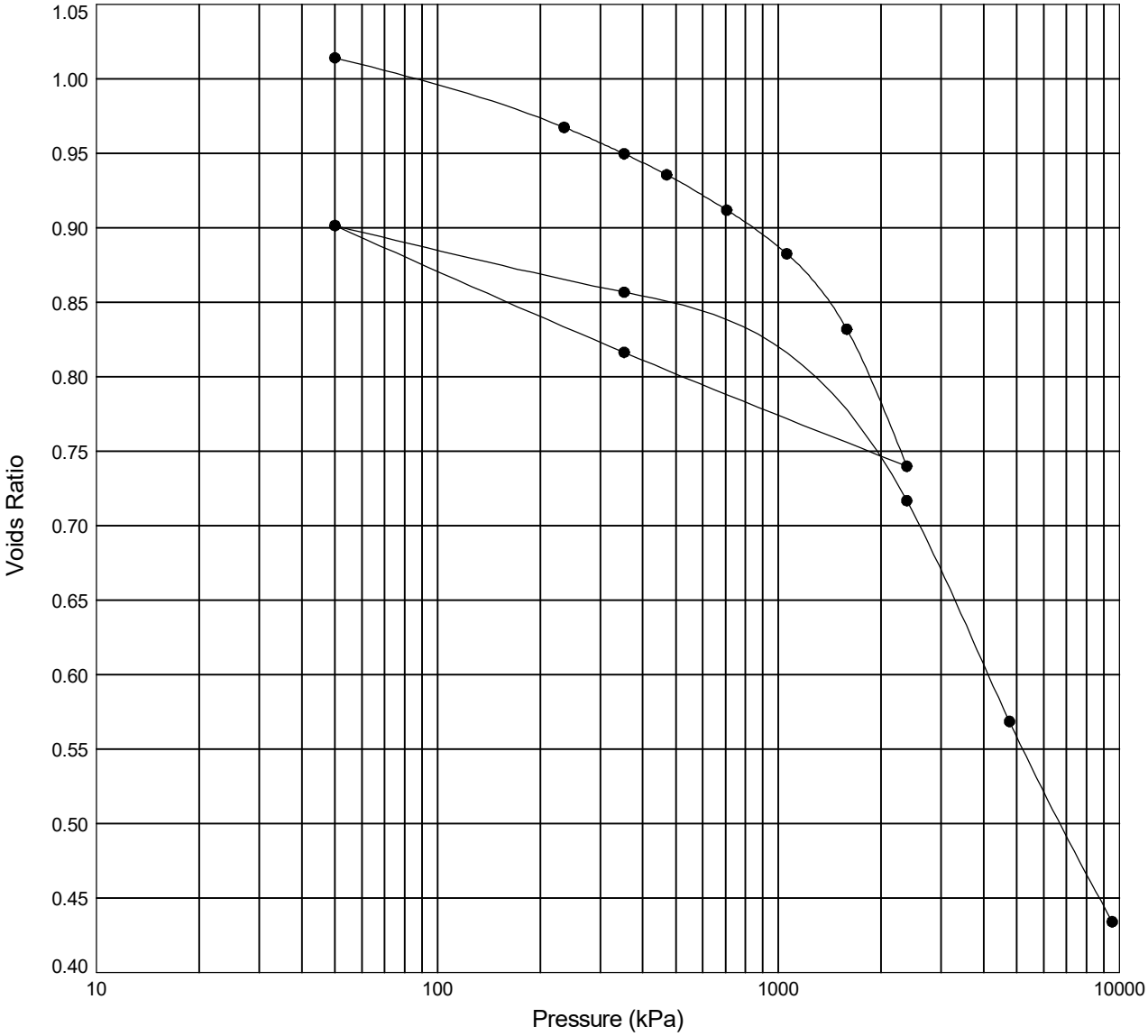
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_6** Sample Ref: **19** Sample Type: **C** Depth (m): **48.80**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**41**	Moisture Content (%)	:	**23**
Bulk Density (Mg/m^3)	:	**1.84**	Bulk Density (Mg/m^3)	:	**2.28**
Dry Density (Mg/m^3)	:	**1.30**	Dry Density (Mg/m^3)	:	**1.86**
Void Ratio	:	**1.037**	Void Ratio	:	**0.4340**

Specimen Details			
Description	Height (mm)	:	**20.06**
Brown CLAY	Diameter (mm)	:	**74.87**
	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**0.23**	**74**	**1.014**
50 - 235	**0.12**	**25**	**0.9674**
235 - 352.5	**0.077**	**21**	**0.9496**
352.5 - 470	**0.062**	**37**	**0.9355**
470 - 705	**0.052**	**20**	**0.9118**
705 - 1057.5	**0.043**	**10**	**0.8825**
1057.5 - 1586	**0.051**	**6.6**	**0.8318**
1586 - 2379	**0.063**	**1.5**	**0.7399**
2379 - 352.5	**NA**	**NA**	**0.8163**
352.5 - 50	**NA**	**NA**	**0.9014**
50 - 352.5	**0.078**	**3.0**	**0.8567**
352.5 - 2379	**0.037**	**2.2**	**0.7167**
2379 - 4759	**0.036**	**0.58**	**0.5685**
4759 - 9517.5	**0.018**	**0.24**	**0.4340**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **19 - 21.8.**

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Sizewell C Onshore GI Phase 2 2019

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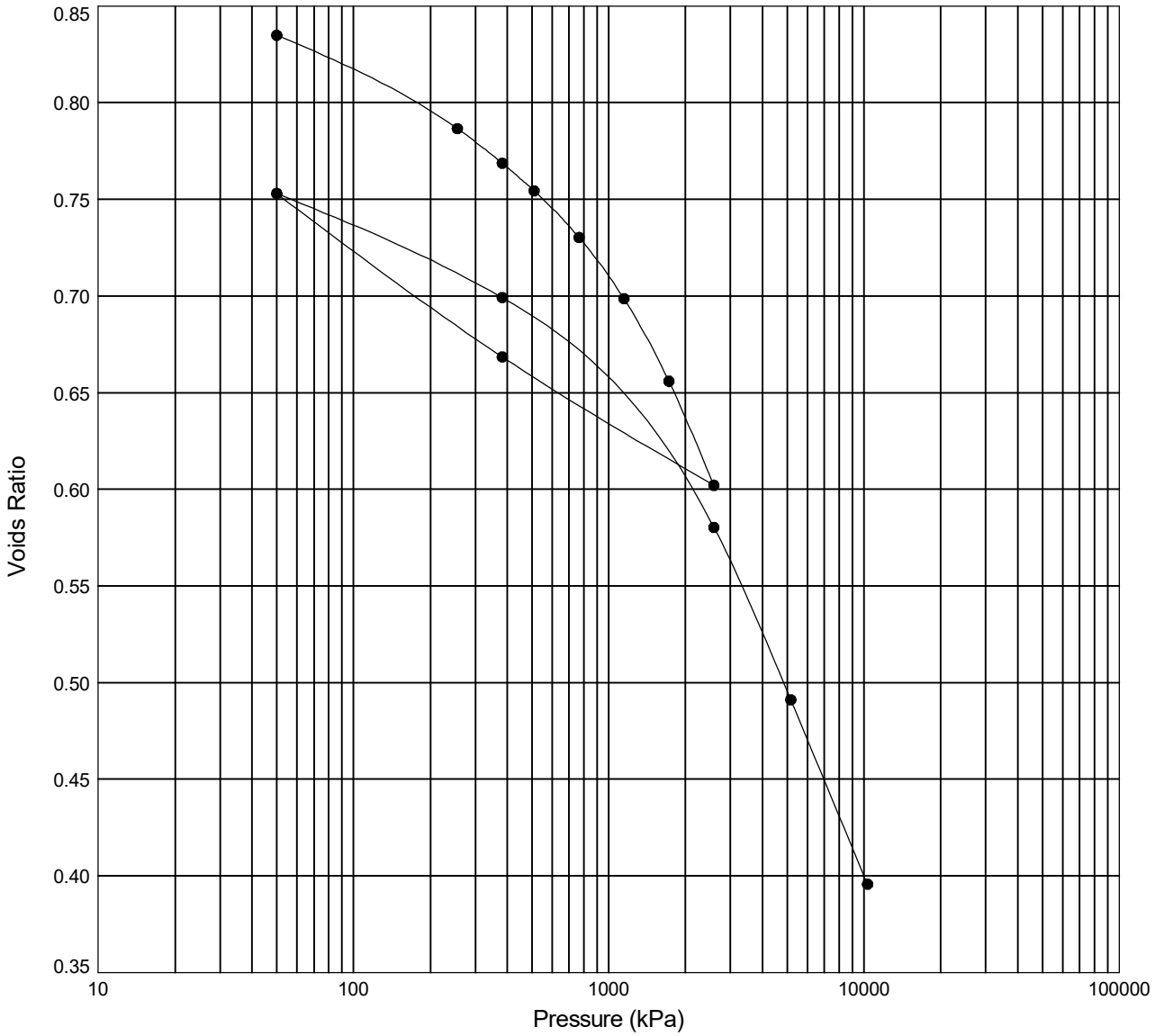
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_6** Sample Ref: **24** Sample Type: **C** Depth (m): **54.48**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**34**	Moisture Content (%)	:	**22**
Bulk Density (Mg/m^3)	:	**1.90**	Bulk Density (Mg/m^3)	:	**2.32**
Dry Density (Mg/m^3)	:	**1.42**	Dry Density (Mg/m^3)	:	**1.90**
Void Ratio	:	**0.8620**	Void Ratio	:	**0.3957**

Specimen Details			
Description	Height (mm)	:	**20.16**
Brown CLAY	Diameter (mm)	:	**75.01**
	Particle Density (Mg/m^3) (assumed)	:	**2.65**
	Swelling Pressure (kPa)	:	**NA**

Test Results

Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**0.29**	**89**	**0.8349**
50 - 255	**0.13**	**16**	**0.7866**
255 - 382.5	**0.079**	**8.6**	**0.7687**
382.5 - 510	**0.063**	**11**	**0.7544**
510 - 765	**0.054**	**15**	**0.7303**
765 - 1147.5	**0.048**	**12**	**0.6986**
1147.5 - 1721	**0.044**	**4.1**	**0.6559**
1721 - 2581	**0.038**	**2.2**	**0.6021**
2581 - 382.5	**NA**	**NA**	**0.6685**
382.5 - 50	**NA**	**NA**	**0.7530**
50 - 382.5	**0.092**	**2.6**	**0.6992**
382.5 - 2581	**0.032**	**3.9**	**0.5803**
2581 - 5164	**0.022**	**1.9**	**0.4911**
5164 - 10327.5	**0.012**	**1.4**	**0.3957**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **19 - 21.8.**

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Contract Ref: **734318**

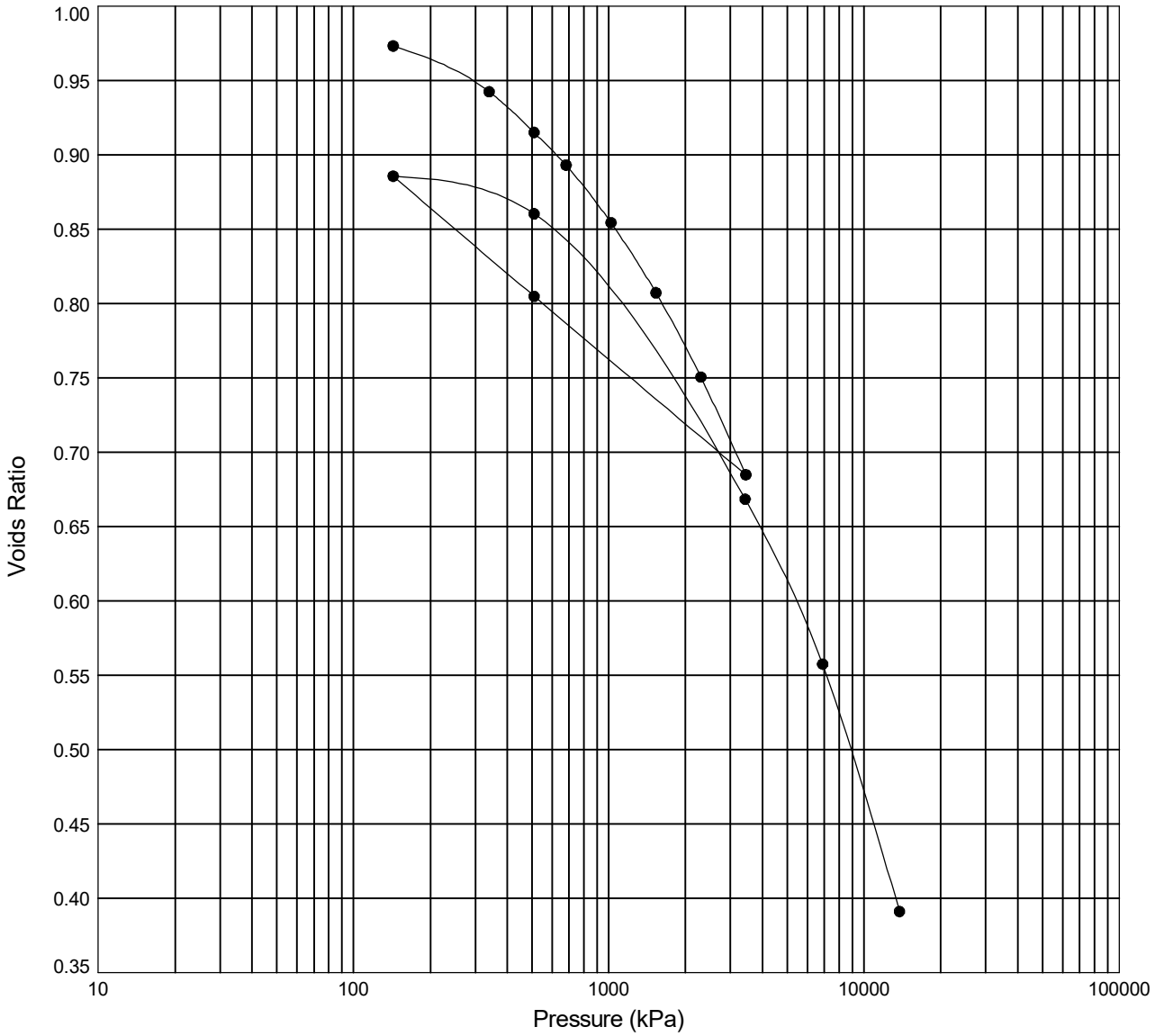
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_6** Sample Ref: **38** Sample Type: **C** Depth (m): **71.78**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**42**	Moisture Content (%)	:	**26**
Bulk Density (Mg/m^3)	:	**1.83**	Bulk Density (Mg/m^3)	:	**2.32**
Dry Density (Mg/m^3)	:	**1.29**	Dry Density (Mg/m^3)	:	**1.84**
Void Ratio	:	**0.9786**	Void Ratio	:	**0.3911**

Specimen Details			
Description	Height (mm)	:	**19.99**
	Diameter (mm)	:	**49.89**
Dark brown CLAY	Particle Density (Mg/m^3) (measured)	:	**2.56**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 143	**0.019**	**37**	**0.9732**
143 - 340	**0.079**	**1.8**	**0.9424**
340 - 510	**0.083**	**3.3**	**0.9150**
510 - 680	**0.067**	**0.20**	**0.8930**
680 - 1020	**0.060**	**0.19**	**0.8543**
1020 - 1530	**0.050**	**0.24**	**0.8072**
1530 - 2295	**0.041**	**0.12**	**0.7505**
2295 - 3442.5	**0.033**	**0.092**	**0.6848**
3442.5 - 510	**NA**	**NA**	**0.8048**
510 - 143	**NA**	**NA**	**0.8856**
143 - 510	**0.036**	**1.9**	**0.8603**
510 - 3422.5	**0.035**	**1.6**	**0.6684**
3422.5 - 6885	**0.019**	**1.4**	**0.5574**
6885 - 13770	**0.016**	**1.1**	**0.3911**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.1 - 21.8.**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

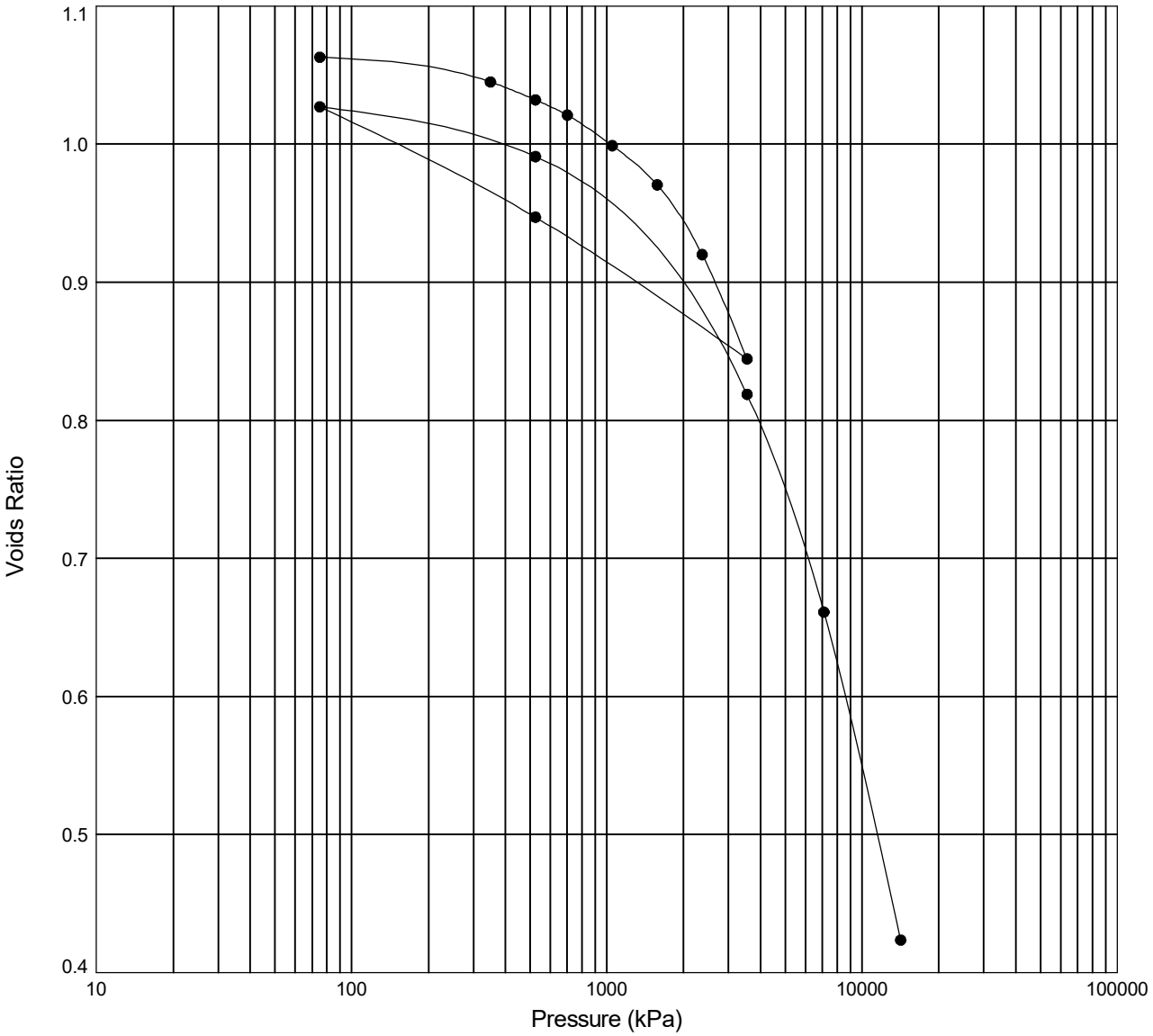
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_6** Sample Ref: **40** Sample Type: **C** Depth (m): **73.52**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**45**	Moisture Content (%)	:	**32**
Bulk Density (Mg/m^3)	:	**1.83**	Bulk Density (Mg/m^3)	:	**2.42**
Dry Density (Mg/m^3)	:	**1.26**	Dry Density (Mg/m^3)	:	**1.83**
Void Ratio	:	**1.067**	Void Ratio	:	**0.4235**

Specimen Details			
Description	Height (mm)	:	**20.08**
	Diameter (mm)	:	**49.97**
Dark greyish brown silty CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.60**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 75	**0.028**	**5.0**	**1.063**
75 - 350	**0.032**	**0.73**	**1.045**
350 - 525	**0.036**	**0.68**	**1.032**
525 - 700	**0.030**	**0.71**	**1.021**
700 - 1050	**0.031**	**0.57**	**0.9989**
1050 - 1575	**0.027**	**0.44**	**0.9705**
1575 - 2363	**0.033**	**0.20**	**0.9200**
2363 - 3544	**0.033**	**0.12**	**0.8444**
3544 - 525	**NA**	**NA**	**0.9471**
525 - 75	**NA**	**NA**	**1.027**
75 - 525	**0.040**	**0.51**	**0.9910**
525 - 3544	**0.029**	**0.25**	**0.8187**
3544 - 7088	**0.024**	**0.088**	**0.6611**
7088 - 14175	**0.020**	**0.058**	**0.4235**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.1 - 21.8.**

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Contract Ref: **734318**

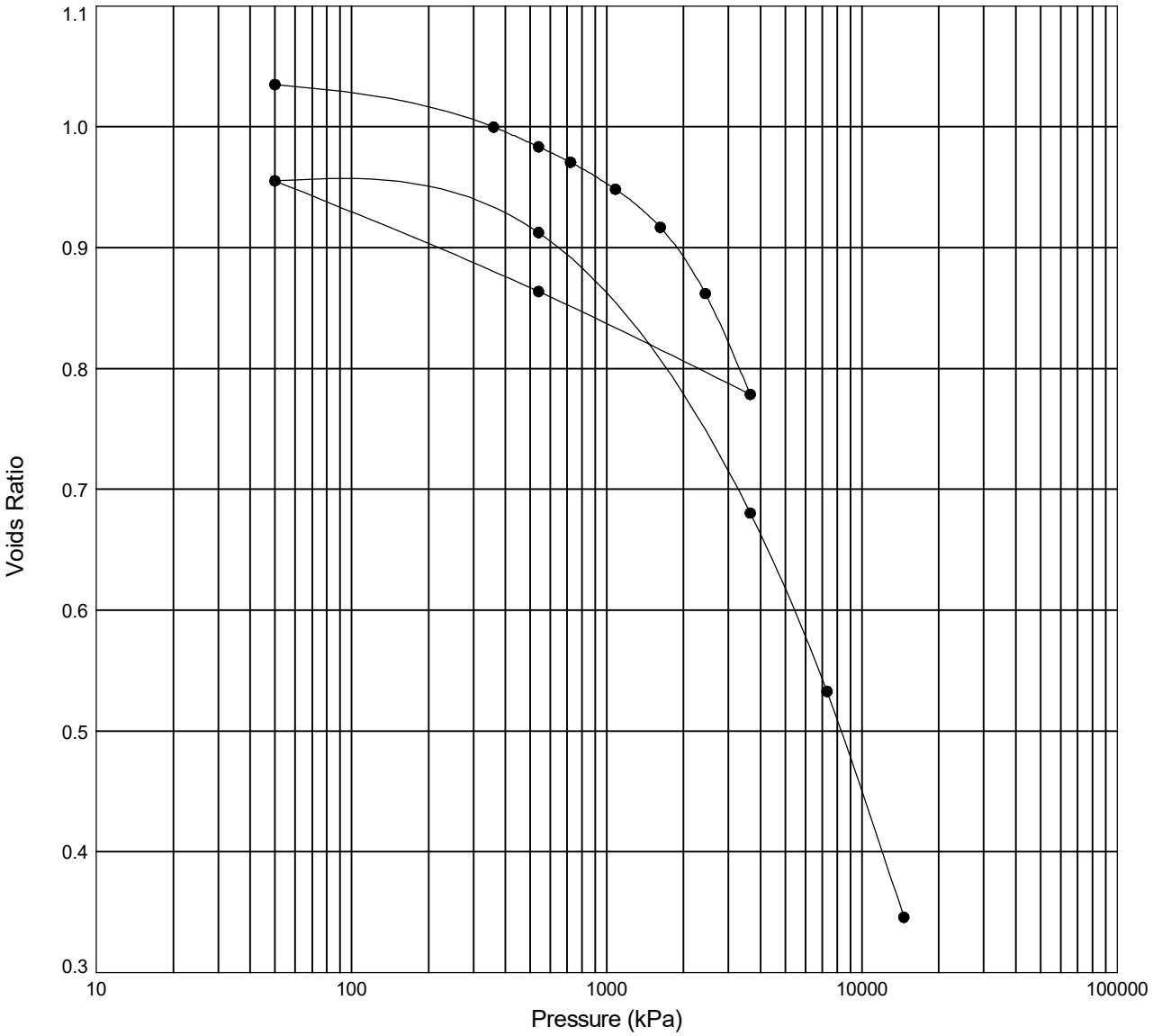
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ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_6** Sample Ref: **44** Sample Type: **C** Depth (m): **76.68**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**44**	Moisture Content (%)	:	**25**
Bulk Density (Mg/m^3)	:	**1.82**	Bulk Density (Mg/m^3)	:	**2.41**
Dry Density (Mg/m^3)	:	**1.27**	Dry Density (Mg/m^3)	:	**1.93**
Void Ratio	:	**1.048**	Void Ratio	:	**0.3458**

Specimen Details			
Description	Height (mm)	:	**20.00**
	Diameter (mm)	:	**49.89**
Dark greenish grey silty CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.60**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 50	**0.13**	**40**	**1.035**
50 - 360	**0.056**	**12**	**0.9998**
360 - 540	**0.045**	**19**	**0.9835**
540 - 720	**0.036**	**15**	**0.9707**
720 - 1080	**0.032**	**18**	**0.9483**
1080 - 1620	**0.030**	**4.2**	**0.9168**
1620 - 2430	**0.035**	**2.9**	**0.8621**
2430 - 3645	**0.037**	**0.34**	**0.7785**
3645 - 540	**NA**	**NA**	**0.8637**
540 - 50	**NA**	**NA**	**0.9553**
50 - 540	**0.045**	**1.0**	**0.9125**
540 - 3645	**0.039**	**0.49**	**0.6803**
3645 - 7290	**0.024**	**0.12**	**0.5327**
7290 - 14580	**0.017**	**0.037**	**0.3458**

Notes: Method of time-setting used: **T90.**

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Compiled By: [redacted] **DAISY RICHARDS** Date: **28/05/20**

C: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

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Drawn by: LH Date: 07/04/2020

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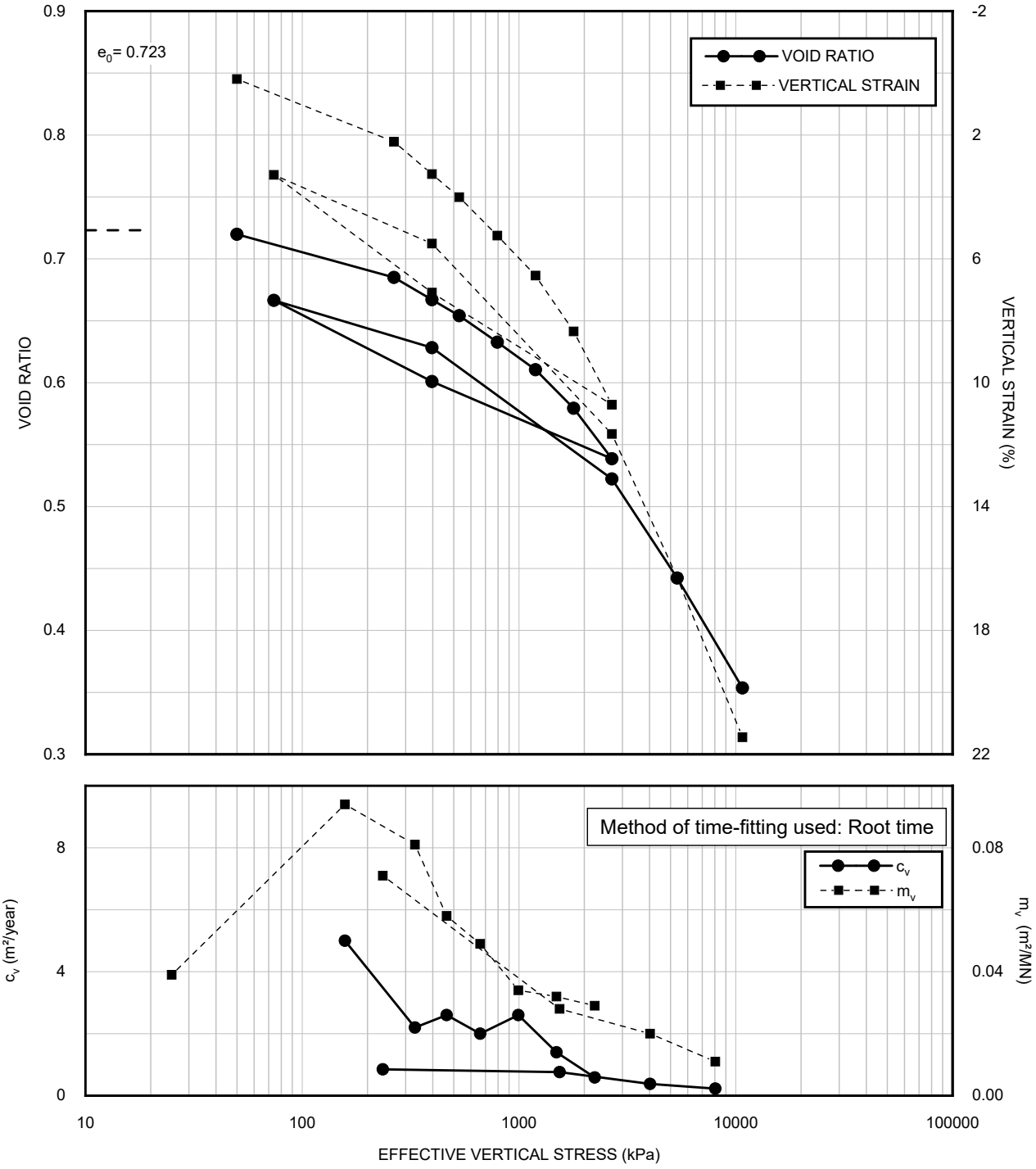
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Date : 08/04/2020

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Initial Conditions			
Specimen height	: 18.2 mm	Bulk density	: 1.95 Mg/m^3
Specimen diameter	: 50.0 mm	Dry density	: 1.57 Mg/m^3
Degree of saturation	: 92 %	Water content	: 24.5 %
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa
Method of time fitting	: Root Time Method		

Borehole : DCBH2019_7

Sample : 27

Depth [m] : 56.89

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

Drawn by: LH Date: 07/04/2020

Template Issue: 3

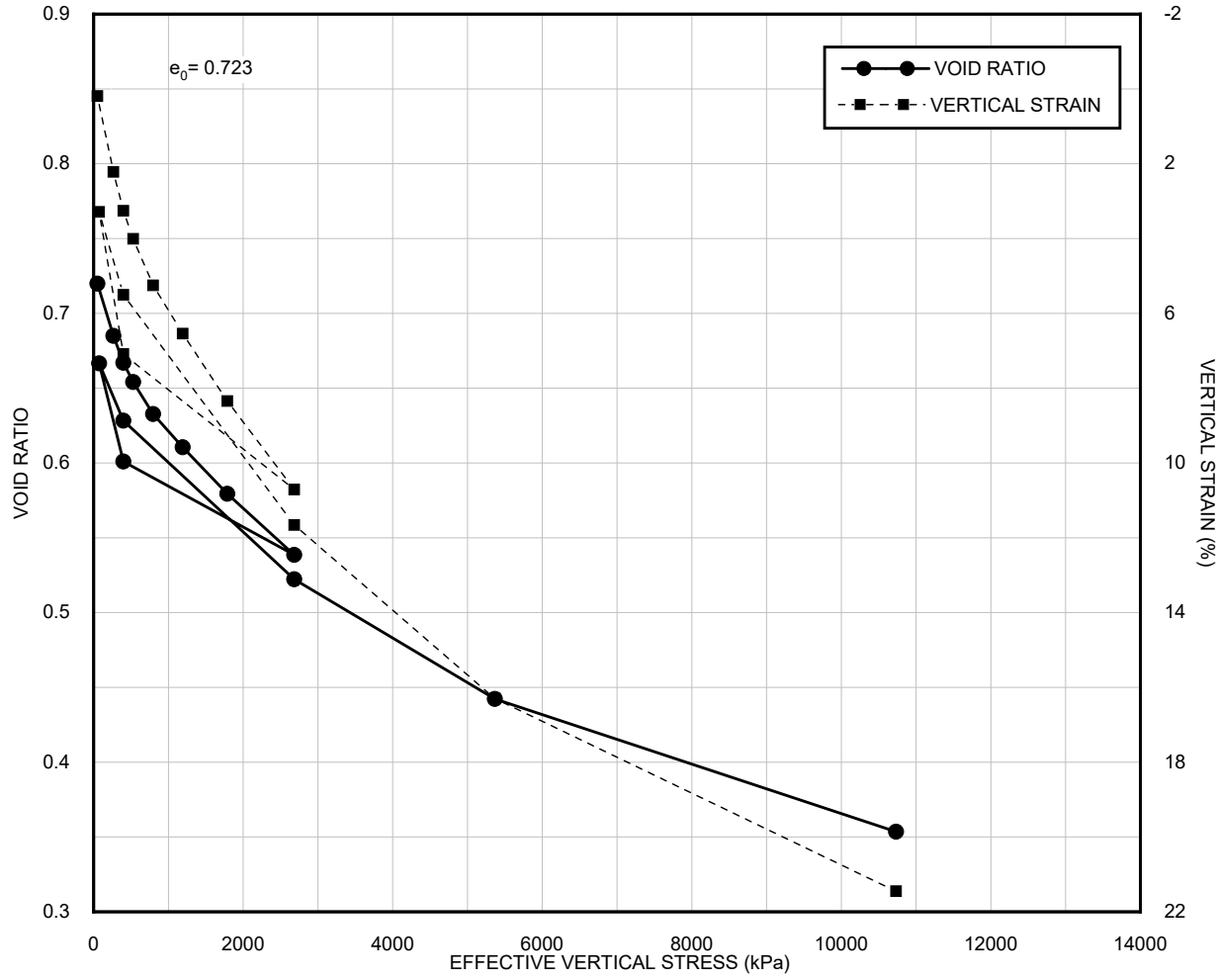
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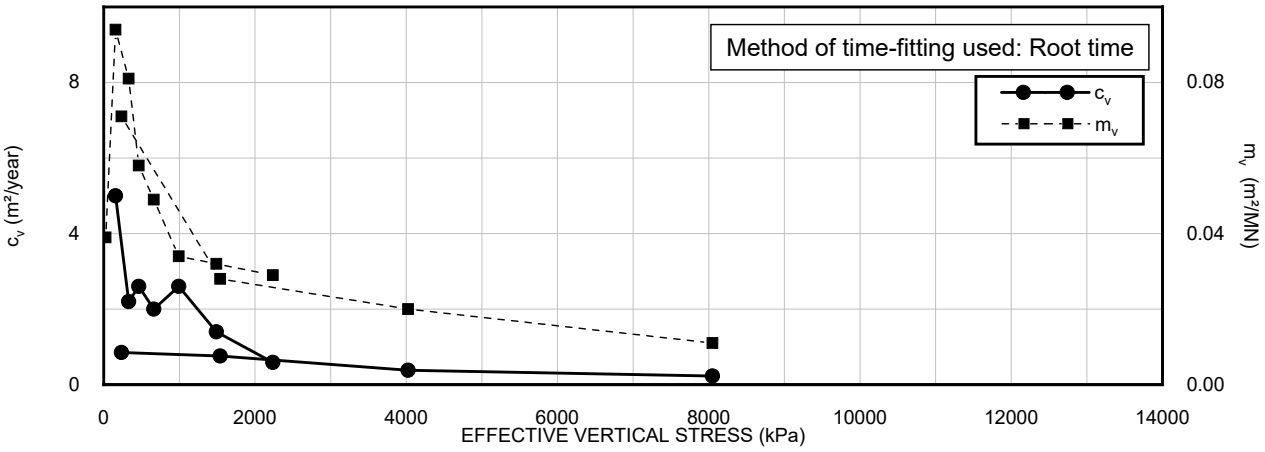
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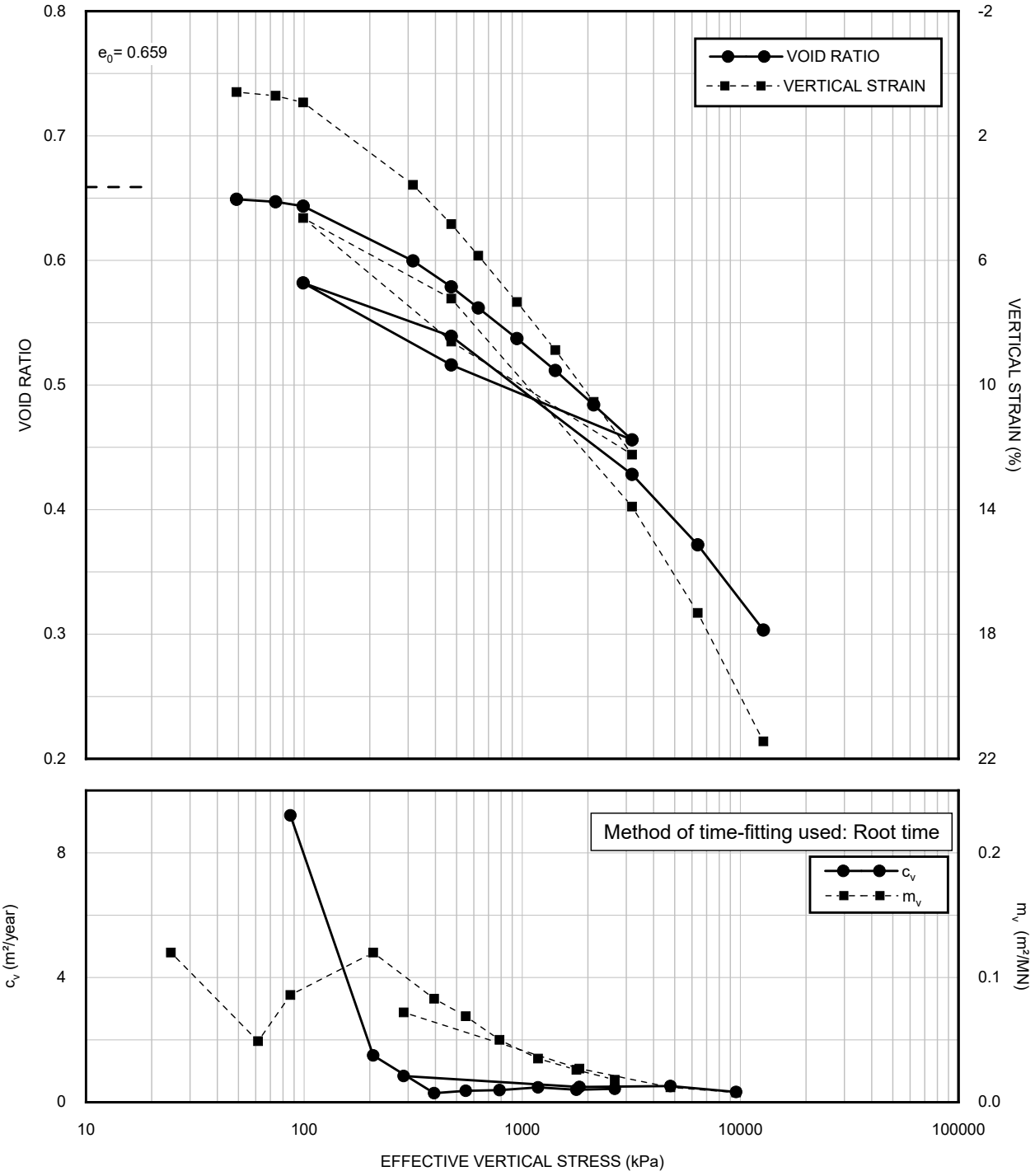




Initial Conditions					
Specimen height	: 18.2 mm	Bulk density	: 1.95 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.57 Mg/m^3		
Degree of saturation	: 92 %	Water content	: 24.5 %	Sample	: 27
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 56.89
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)



Initial Conditions			
Specimen height : 18.1 mm	Bulk density : 2.02 Mg/m^3		
Specimen diameter : 50.0 mm	Dry density : 1.63 Mg/m^3		
Degree of saturation : 99 %	Water content : 24.3 %		
Particle density : 2.70 Mg/m^3 (Assumed)	Lab. temperature : 20 °C	Borehole : DCBH2019_7	
Specimen condition : Undisturbed	Swelling pressure : NA kPa	Sample : 37	
Method of time fitting : Root Time Method		Depth [m] : 66.74	

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

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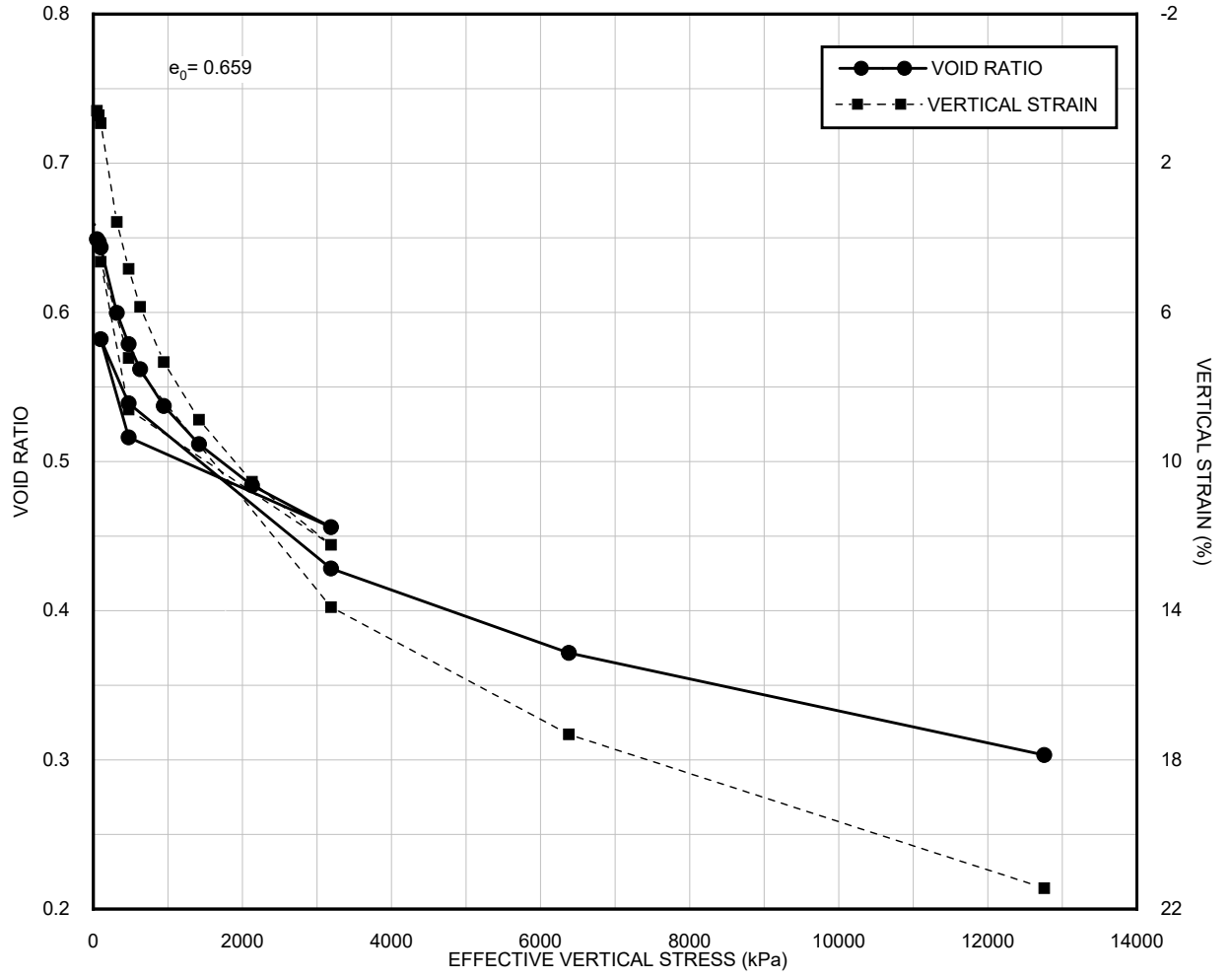
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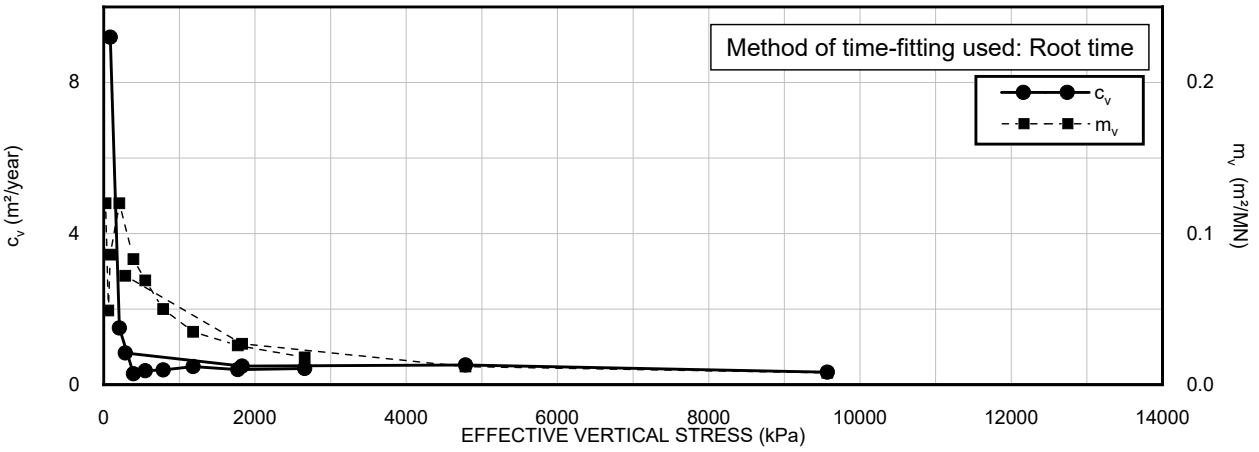
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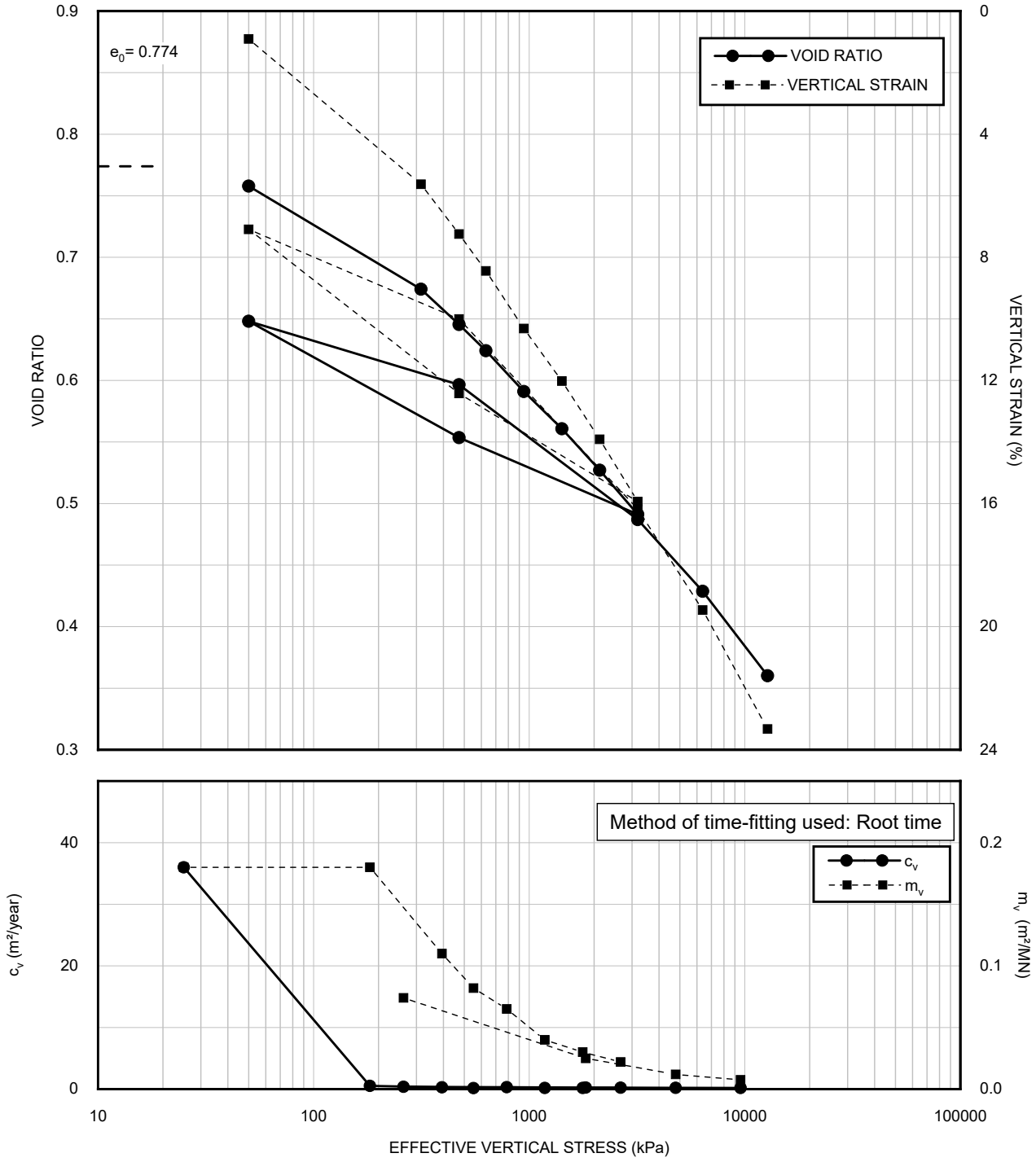


Initial Conditions					
Specimen height	: 18.1 mm	Bulk density	: 2.02 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.63 Mg/m^3		
Degree of saturation	: 99 %	Water content	: 24.3 %	Sample	: 37
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 66.74
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

Drawn by: LH Date: 08/04/2020
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Filename: 200322 \ Labdata \ Compress \ DCBH2019_7_38_od.OPJ
Date : 08/04/2020
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Initial Conditions					
Specimen height	: 18.1 mm	Bulk density	: 1.94 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.52 Mg/m^3		
Degree of saturation	: 97 %	Water content	: 27.7 %	Sample	: 38
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 67.25
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

Drawn by: LH Date: 08/04/2020

Template Issue: 3

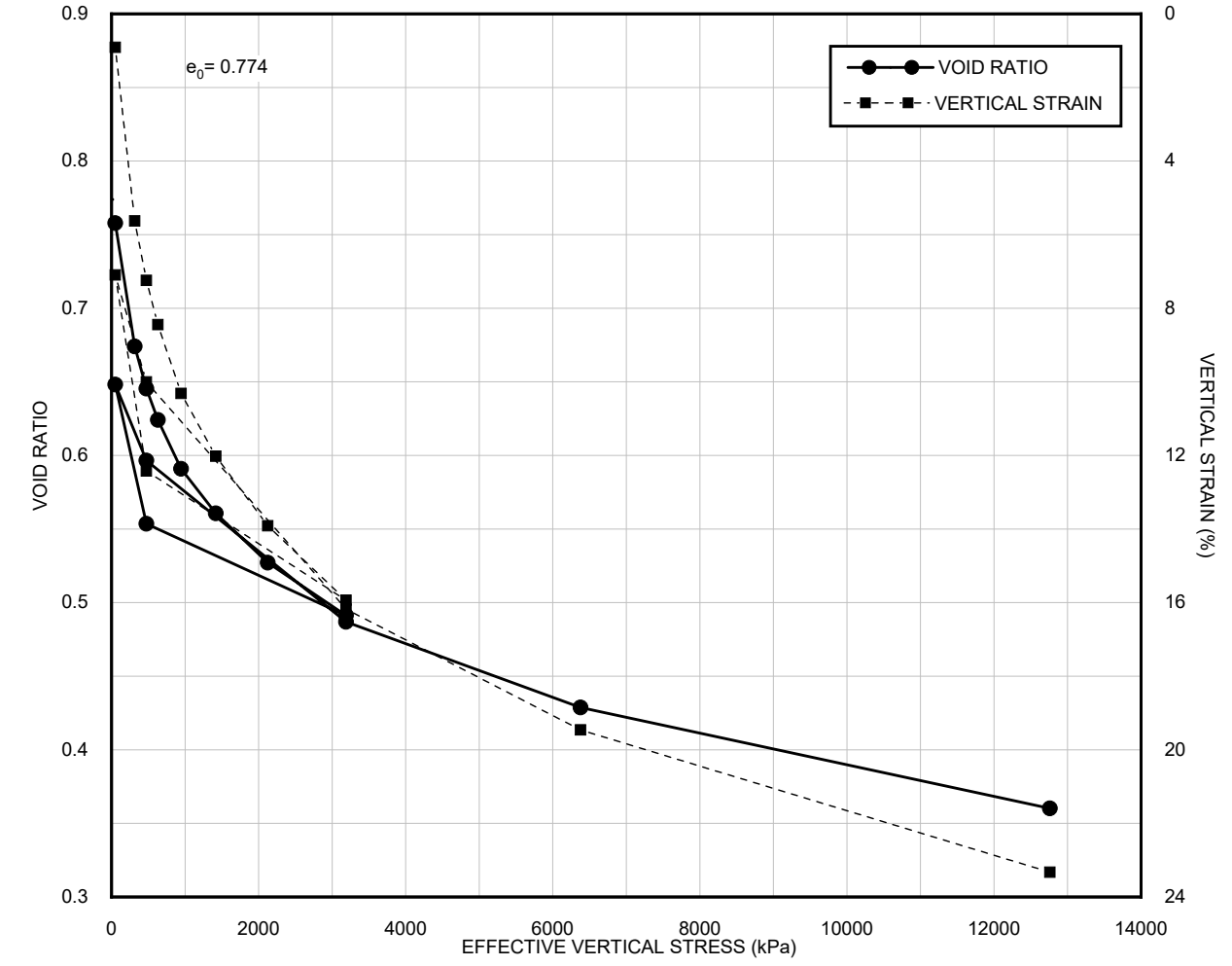
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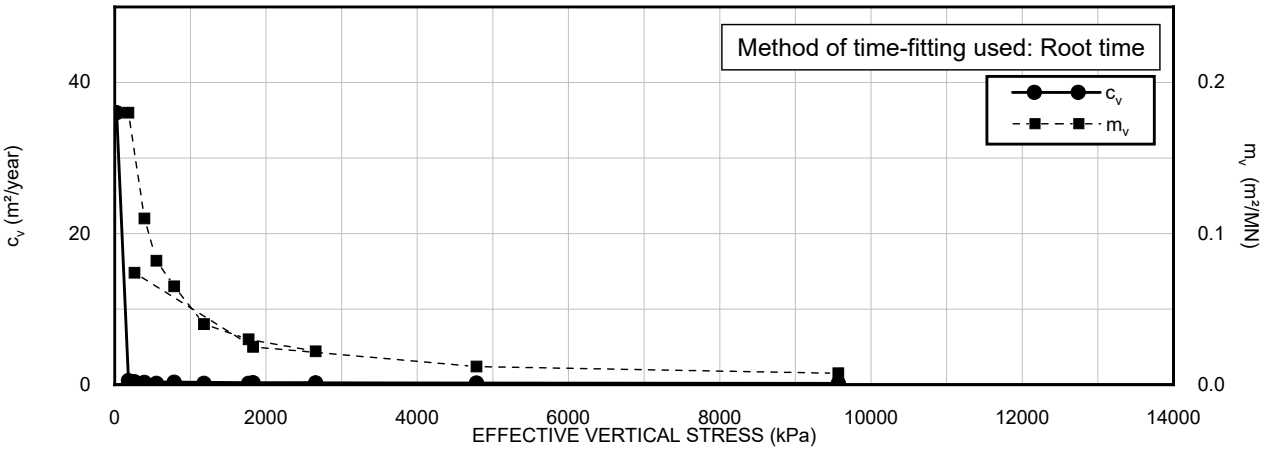
Date : 08/04/2020

Checked by: NB

Date : 08/04/2020

Approved by: MSR

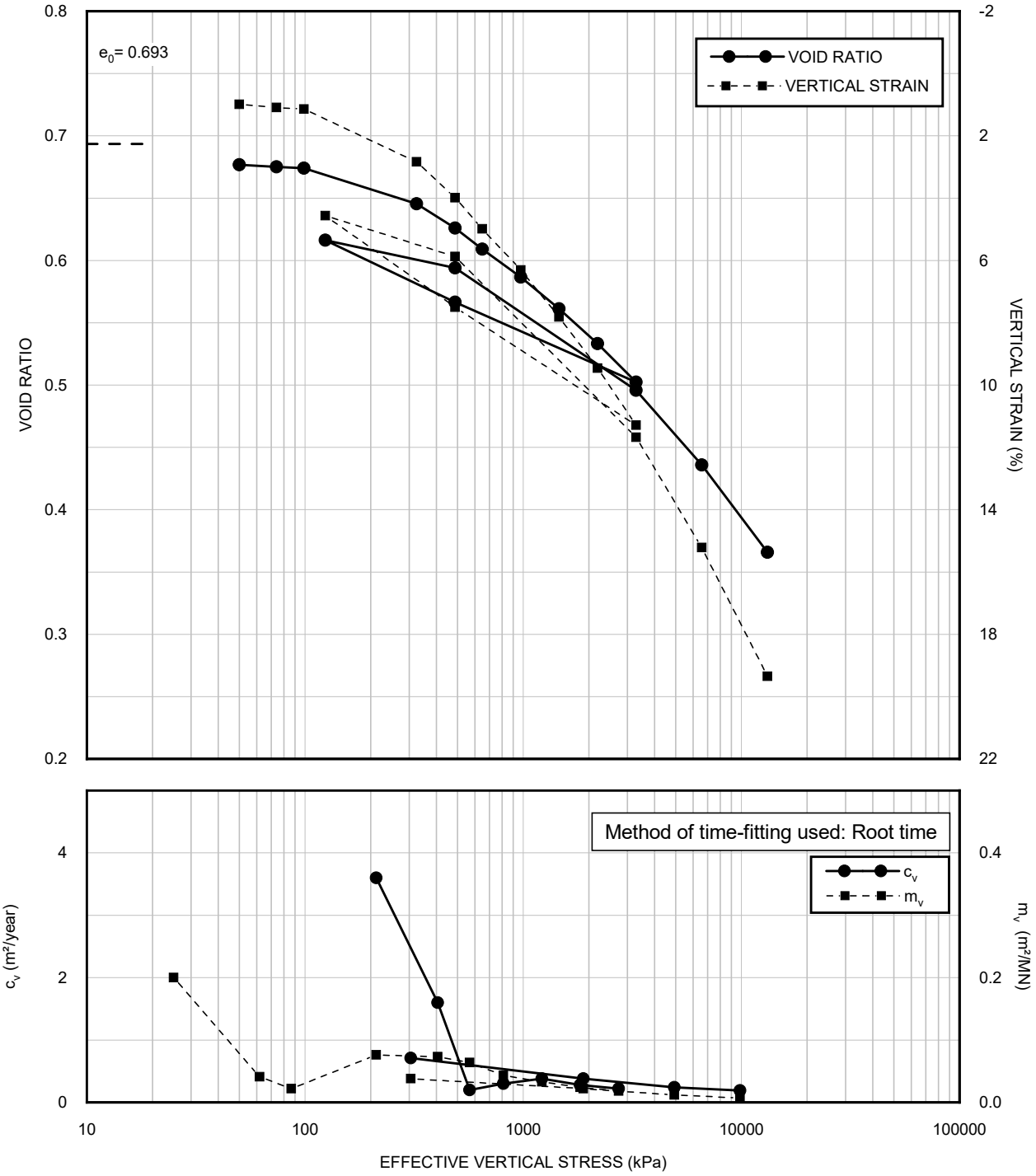




Initial Conditions					
Specimen height	: 18.1 mm	Bulk density	: 1.94 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.52 Mg/m^3		
Degree of saturation	: 97 %	Water content	: 27.7 %	Sample	: 38
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 67.25
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)



Initial Conditions					
Specimen height	: 18.1 mm	Bulk density	: 2.01 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.59 Mg/m^3		
Degree of saturation	: 100 %	Water content	: 26.3 %	Sample	: 39
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 68.95
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

Drawn by: LH Date: 15/04/2020
Template Issue: 3
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Date : 20/04/2020
Date : 00/01/1900
Checked by: NB
Approved by: 0

Drawn by: LH Date: 15/04/2020

Template Issue: 3

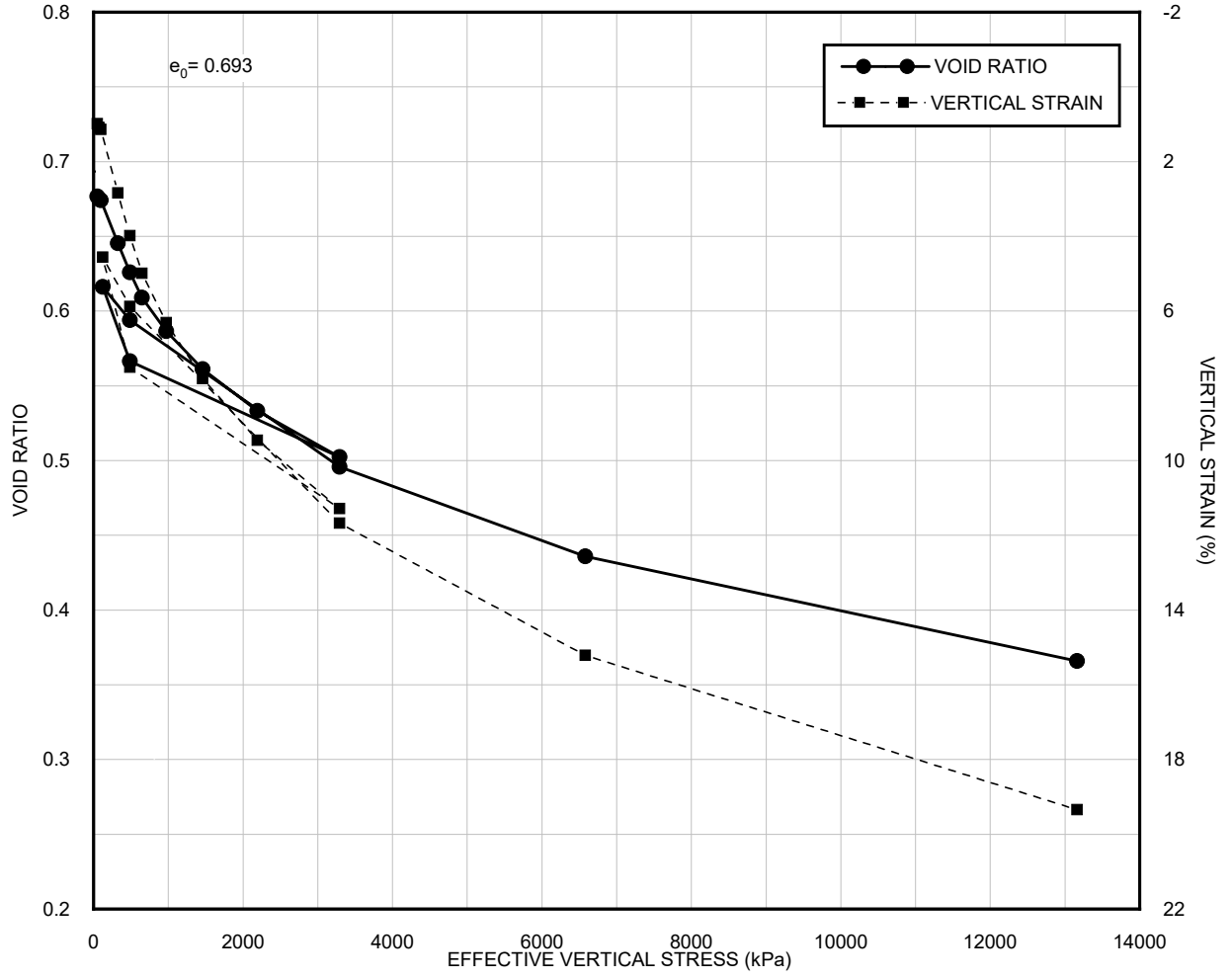
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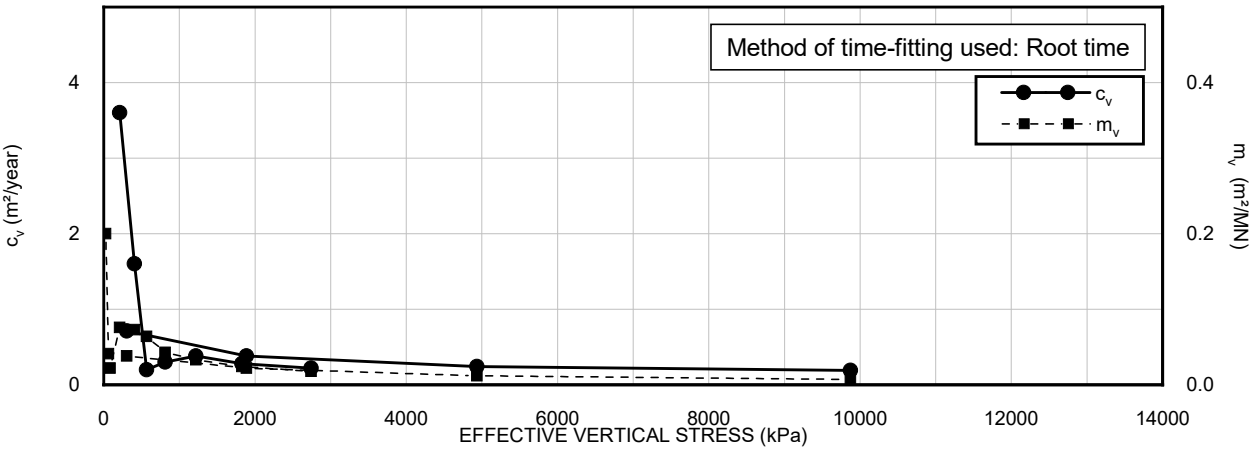
Date : 20/04/2020

Date : 00/01/1900

Checked by: NB

Approved by: 0





Initial Conditions					
Specimen height	: 18.1 mm	Bulk density	: 2.01 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.59 Mg/m^3		
Degree of saturation	: 100 %	Water content	: 26.3 %	Sample	: 39
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 68.95
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

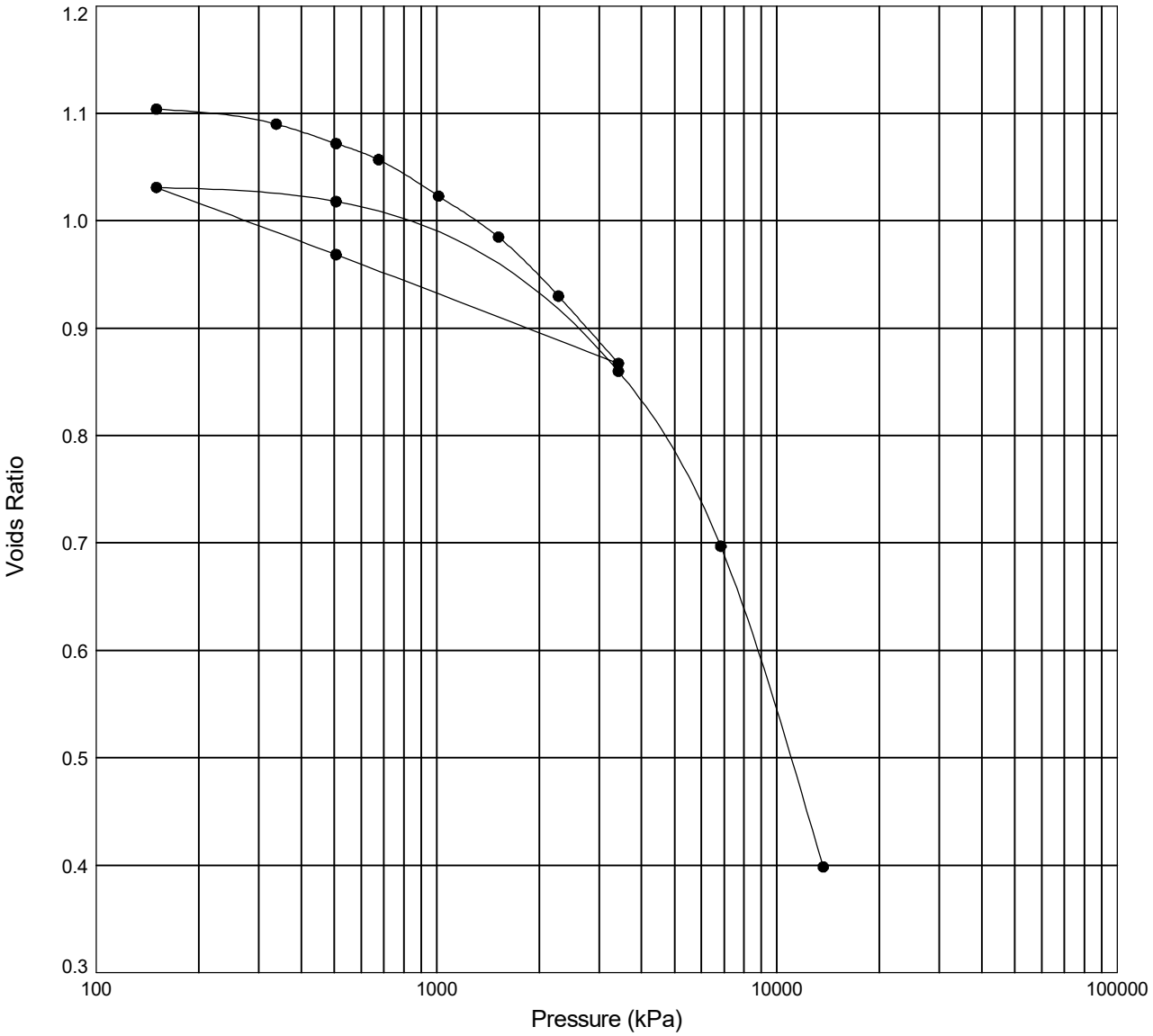
Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_7** Sample Ref: **40** Sample Type: **C** Depth (m): **71.47**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**45**	Moisture Content (%)	:	**39**
Bulk Density (Mg/m^3)	:	**1.79**	Bulk Density (Mg/m^3)	:	**2.58**
Dry Density (Mg/m^3)	:	**1.24**	Dry Density (Mg/m^3)	:	**1.86**
Void Ratio	:	**1.105**	Void Ratio	:	**0.3984**

Specimen Details			
Description	Height (mm)	:	**20.14**
	Diameter (mm)	:	**49.97**
Dark grey slightly sandy CLAY	Particle Density (Mg/m^3) (assumed)	:	**2.60**
	Swelling Pressure (kPa)	:	**NA**

Test Results			
Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 150	**0.002**	**0.87**	**1.104**
150 - 337.5	**0.037**	**1.1**	**1.090**
337.5 - 506	**0.051**	**0.36**	**1.072**
506 - 675	**0.043**	**0.84**	**1.057**
675 - 1012.5	**0.049**	**0.27**	**1.023**
1012.5 - 1519	**0.037**	**0.21**	**0.9849**
1519 - 2278	**0.036**	**0.12**	**0.9299**
2278 - 3418	**0.029**	**0.071**	**0.8672**
3418 - 506	**NA**	**NA**	**0.9685**
506 - 150	**NA**	**NA**	**1.031**
150 - 506	**0.017**	**1.7**	**1.018**
506 - 3418	**0.027**	**0.19**	**0.8600**
3418 - 6835	**0.026**	**0.12**	**0.6970**
6835 - 13669	**0.026**	**0.047**	**0.3984**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **18 - 20.4.**

STRUCTURAL SOILS
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Compiled By: [redacted] **FRANCESCA BENNETT**

Date: **07/03/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

AGS

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - 1D CONSOL DL -1- A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 07/03/20 - 08:13 | AF3 |

Drawn by: LH Date: 30/04/2020

Template Issue: 3

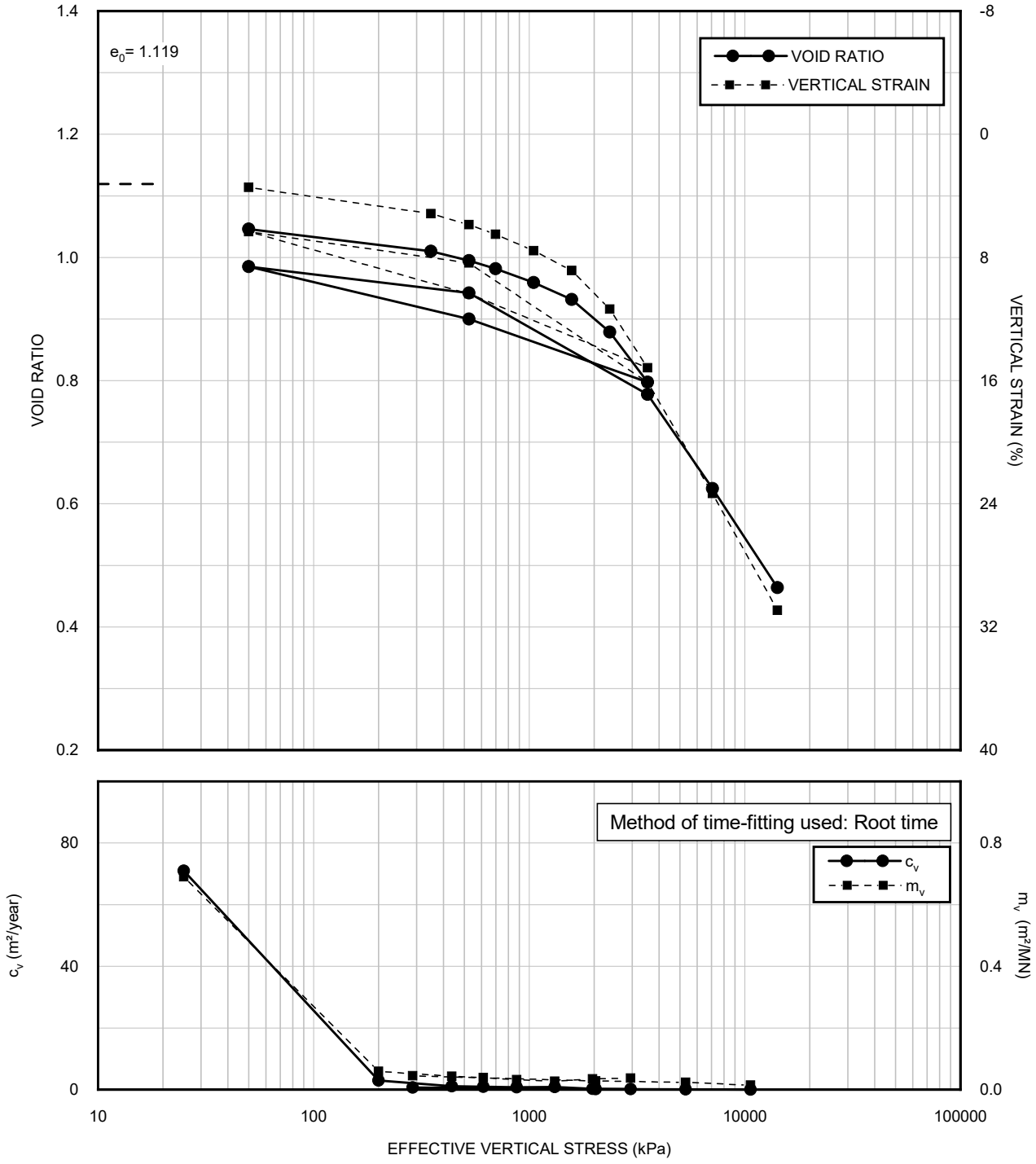
Filename: 200322 \ Labdata \ Compress \ DCBH2019_7_43_od.OPJ

Date : 05/05/2020

Date : 11/05/2020

Checked by: NB

Approved by: MSR



Initial Conditions					
Specimen height	: 18.2 mm	Bulk density	: 1.81 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.27 Mg/m^3		
Degree of saturation	: 100 %	Water content	: 42.1 %	Sample	: 43
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 73.98
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

Drawn by: LH Date: 30/04/2020

Template Issue: 3

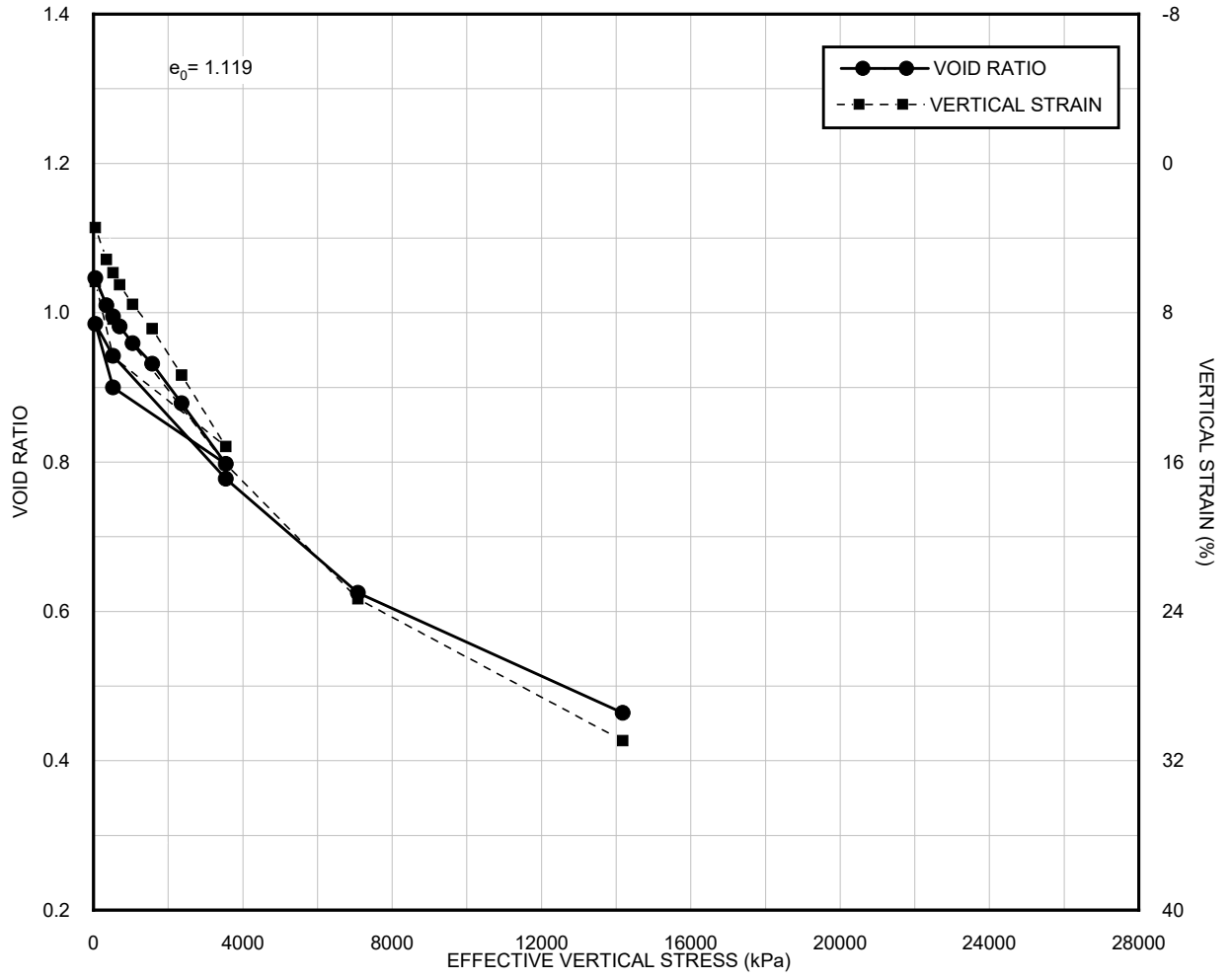
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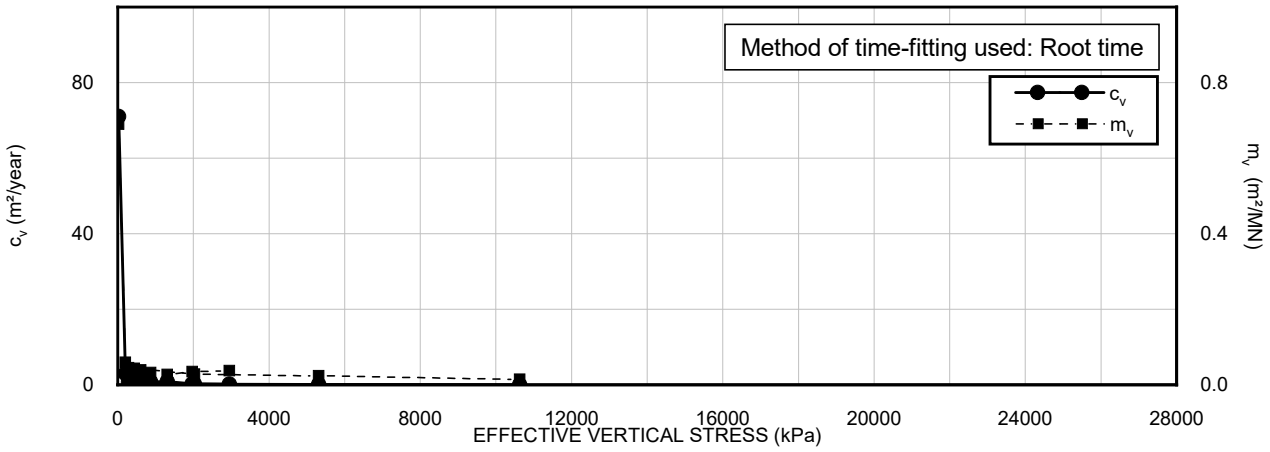
Date : 05/05/2020

Date : 11/05/2020

Checked by: NB

Approved by: MSR





Initial Conditions					
Specimen height	: 18.2 mm	Bulk density	: 1.81 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.27 Mg/m^3		
Degree of saturation	: 100 %	Water content	: 42.1 %	Sample	: 43
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 73.98
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

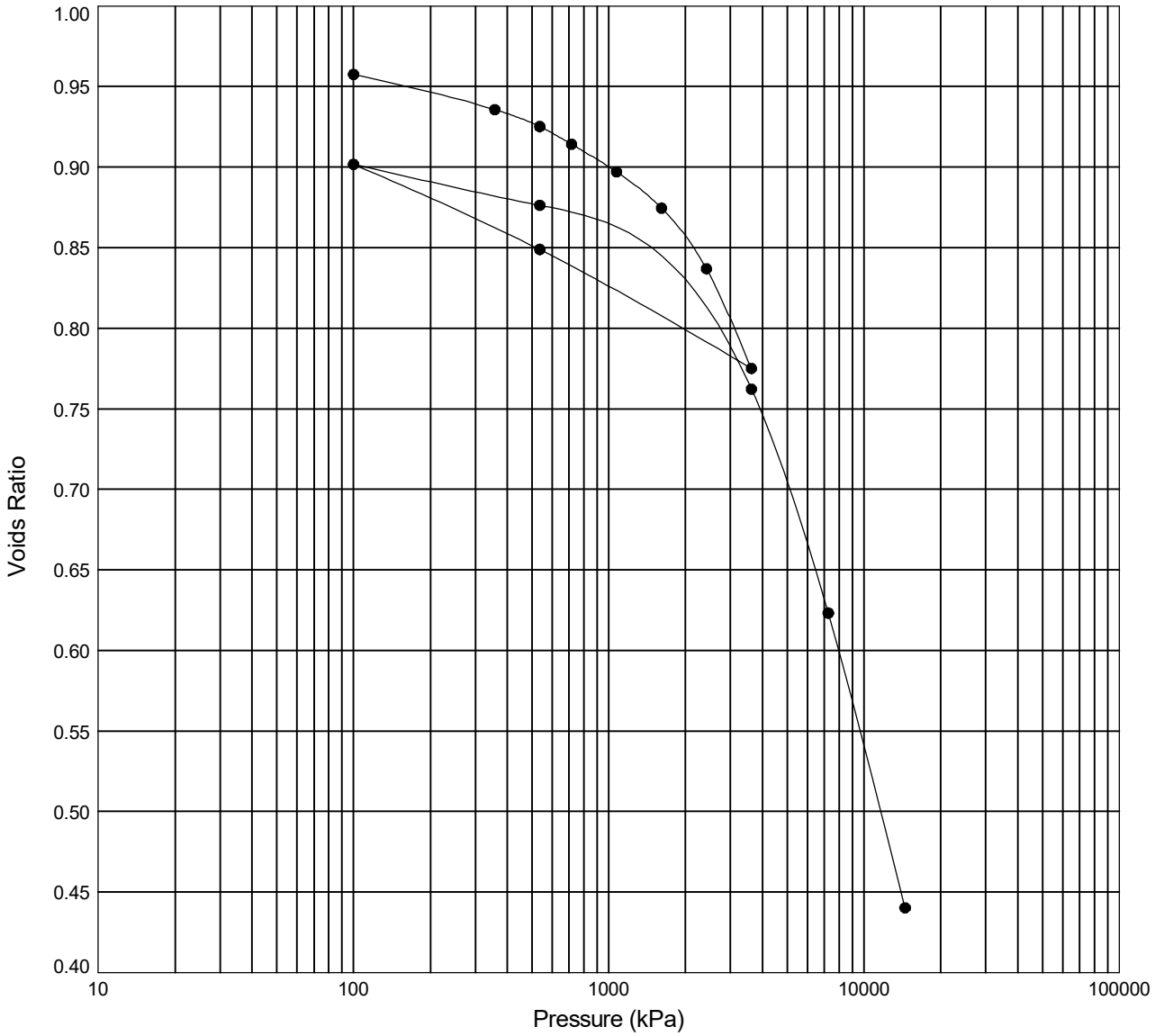
Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

ONE DIMENSIONAL CONSOLIDATION TEST

In accordance with BS EN ISO 17892 Part 5

Position ID: **DCBH2019_7** Sample Ref: **47** Sample Type: **C** Depth (m): **76.50**



Initial Specimen Condition			Final Specimen Condition		
Moisture Content (%)	:	**41**	Moisture Content (%)	:	**27**
Bulk Density (Mg/m^3)	:	**1.85**	Bulk Density (Mg/m^3)	:	**2.27**
Dry Density (Mg/m^3)	:	**1.31**	Dry Density (Mg/m^3)	:	**1.79**
Void Ratio	:	**0.9658**	Void Ratio	:	**0.4402**

Specimen Details			
Description	Height (mm)	:	**20.08**
	Diameter (mm)	:	**49.97**
Dark brownish grey CLAY	Particle Density (Mg/m^3) (measured)	:	**2.57**
	Swelling Pressure (kPa)	:	**NA**

Test Results

Pressure Range (kPa)	Mv (m^2/MN)	Cv (m^2/yr)	Voids Ratio
0 - 100	**0.042**	**4.1**	**0.9576**
100 - 357.5	**0.043**	**3.4**	**0.9357**
357.5 - 536.3	**0.031**	**3.2**	**0.9252**
536.3 - 715	**0.032**	**3.7**	**0.9142**
715 - 1072.5	**0.025**	**12**	**0.8971**
1072.5 - 1608.8	**0.022**	**4.0**	**0.8746**
1608.8 - 2413.1	**0.025**	**1.7**	**0.8369**
2413.1 - 3619.7	**0.028**	**0.55**	**0.7750**
3619.7 - 536.3	**NA**	**NA**	**0.8489**
536.3 - 100	**NA**	**NA**	**0.9018**
100 - 536.3	**0.031**	**1.7**	**0.8763**
536.3 - 3619.7	**0.020**	**0.58**	**0.7622**
3619.7 - 7239.4	**0.022**	**0.13**	**0.6232**
7239.4 - 14479	**0.016**	**0.069**	**0.4402**

Notes: Method of time-setting used: **T90.** Temperature range during test (degC): **17.9 - 21.1.**

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1a Princess Street
Bedminster
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Compiled By: [redacted] **CONNEL MCLAUGHLIN** Date: **05/06/20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

Contract Ref: **734318**

AGS

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - 1D CONSOL DL -1- A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 05/06/20 - 07:24 | AF3 |

Drawn by: LH Date: 04/05/2020

Template Issue: 3

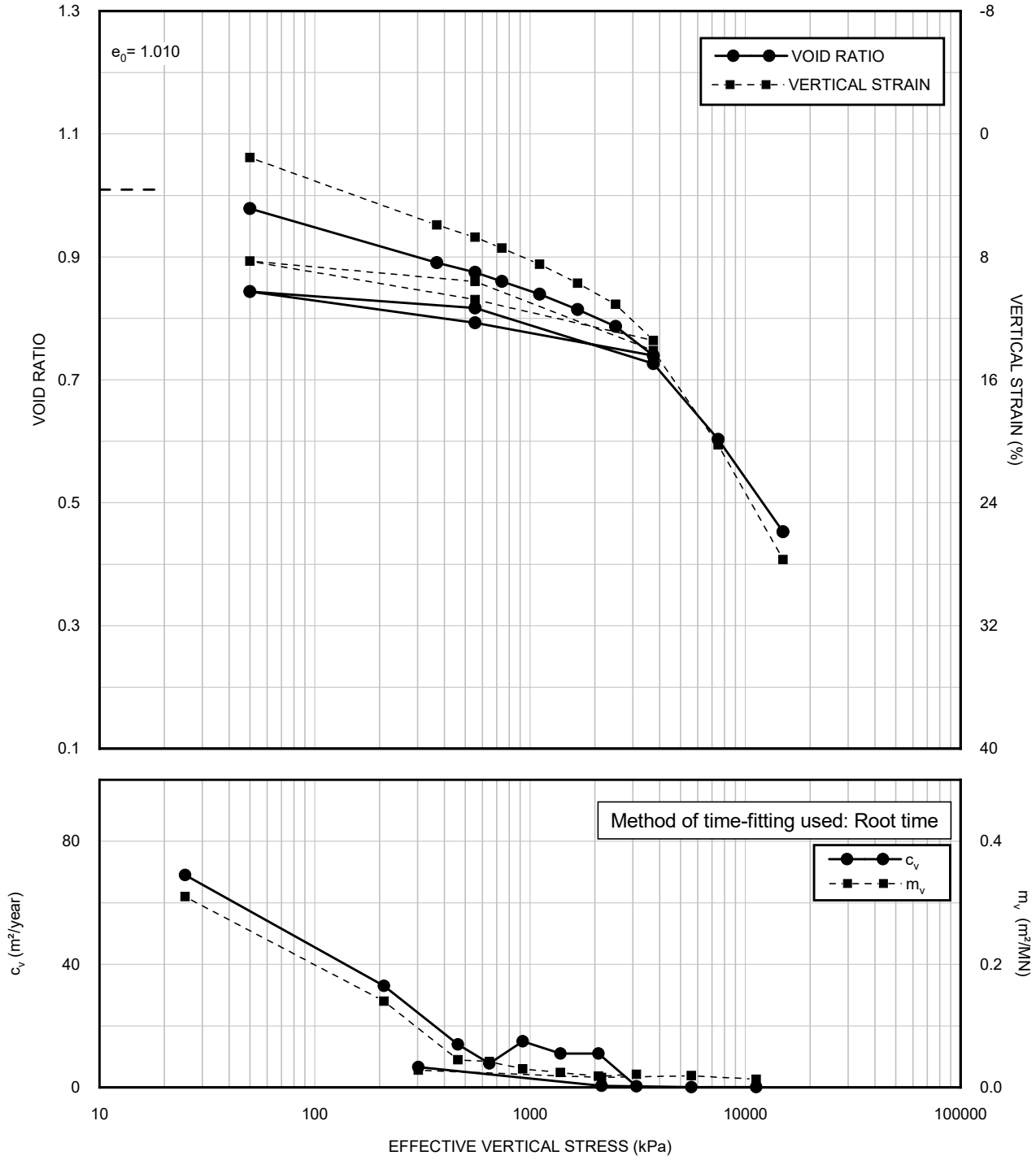
Filename: 200322 \ Labdata \ Compress \ DCBH2019_7_52_od.OPJ

Date : 05/05/2020

Date : 11/05/2020

Checked by: NB

Approved by: MSR



Initial Conditions					
Specimen height	: 18.2 mm	Bulk density	: 1.78 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.34 Mg/m^3		
Degree of saturation	: 87 %	Water content	: 32.5 %	Sample	: 52
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 79.30
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

Drawn by: LH Date: 04/05/2020

Template Issue: 3

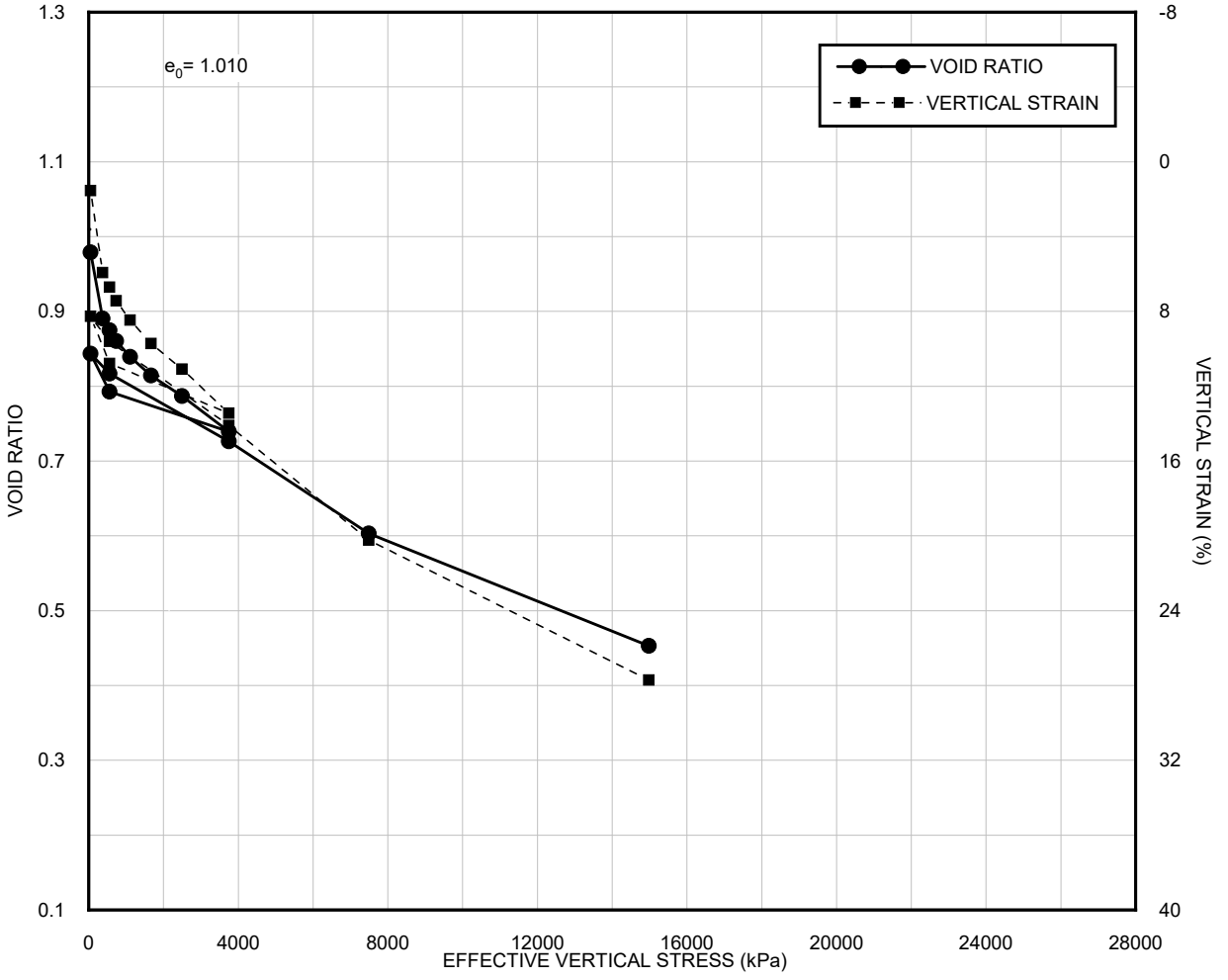
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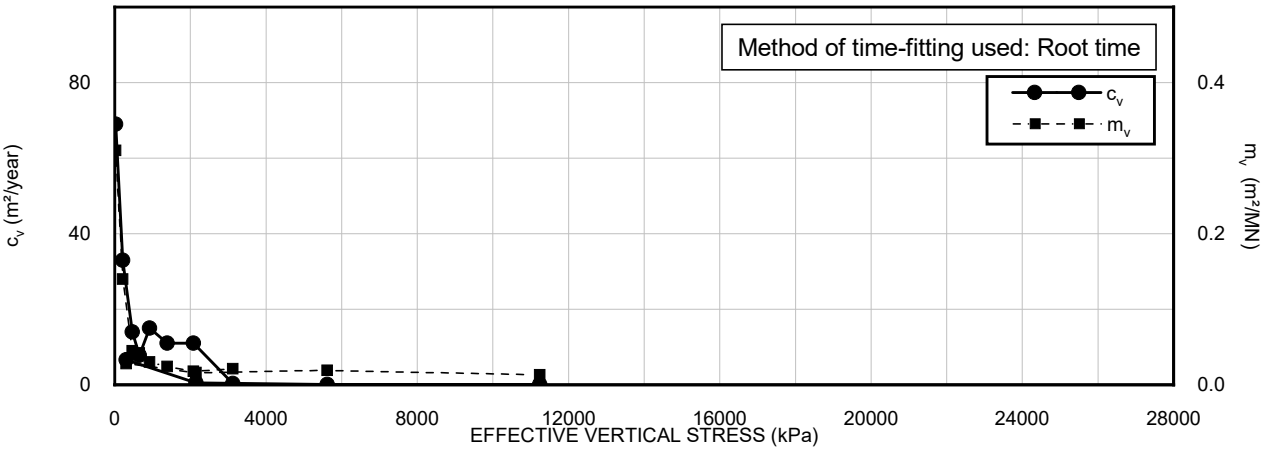
Date : 05/05/2020

Date : 11/05/2020

Checked by: NB

Approved by: MSR





Initial Conditions					
Specimen height	: 18.2 mm	Bulk density	: 1.78 Mg/m^3	Borehole	: DCBH2019_7
Specimen diameter	: 50.0 mm	Dry density	: 1.34 Mg/m^3		
Degree of saturation	: 87 %	Water content	: 32.5 %	Sample	: 52
Particle density	: 2.70 Mg/m^3 (Assumed)	Lab. temperature	: 20 °C	Depth [m]	: 79.30
Specimen condition	: Undisturbed	Swelling pressure	: NA kPa		
Method of time fitting	: Root Time Method				

Tested in accordance with BS1377: Part 5: 1990: Clause 3

ONE - DIMENSIONAL CONSOLIDATION TEST (OEDOMETER)

Short Nam	PRESSURE	AVE.PRES	Height	Mass	Machine	Net	STRAIN	Voids	VoidsRatio	e1-e2	p1-p2	(1+e1)	Mv	N	O	P	Q	cv90	cv50	T	U	M	Csec	voX	voY
Long Name			Change	required	Correction	Height		change															Csec		
1	49	24.5	0.394	0.890682	-0.02316	0.370842	2.044334	0.039983	0.915825	0.039983	49	1.955808	0.42	1.213		17.76916	17.95458	30		3.88E-09		2.380952		10	0.955808
2	261	155	1.231	4.744246	-0.07458	1.156418	6.374962	0.124682	0.831126	0.084699	212	1.915825	0.21	2.371		16.98358	17.37637	14		9.29E-10		4.761905		18	0.955808
3	390	325.5	1.486	7.089103	-0.09217	1.393832	7.683747	0.150279	0.805529	0.025597	129	1.831126	0.11	2.342		16.74617	16.86488	14		4.64E-10		9.090909			
4	520	455	1.727	9.452137	-0.10989	1.617109	8.914603	0.174353	0.781456	0.024073	130	1.805529	0.1	3.78		16.52289	16.63453	8.2		2.54E-10		10			
5	781	650.5	2.12	14.19638	-0.13708	1.98292	10.9312	0.213793	0.742015	0.039441	261	1.781456	0.085	2.882		16.15708	16.33999	10		2.73E-10		11.76471			
6	1169	975	2.588	21.24913	-0.17212	2.415877	13.31796	0.260474	0.695335	0.04668	388	1.742015	0.069	3.752		15.72412	15.9406	7.6		1.62E-10		14.49275			
7	1754	1461.5	3.116	31.88278	-0.19871	2.917293	16.0821	0.314535	0.641273	0.054061	585	1.695335	0.055	6.827		15.22271	15.47341	3.9		6.70E-11		18.18182			
8	2632	2193	3.719	47.84235	-0.22821	3.490785	19.24358	0.376368	0.579441	0.061832	878	1.641273	0.043	30.065		14.64921	14.93596	0.83		1.11E-11		23.25581			
9	390	1511	3.109	7.089103	-0.10133	3.007669	16.58032	0.324279	0.631529	-0.05209	-2242	1.579441	-			15.13233	14.89077								
10	49	219.5	2.309	0.890682	-0.03232	2.27668	12.55061	0.245466	0.710342	-0.07881	-341	1.631529	-			15.86332	15.49783								
11	390	219.5	2.814	7.089103	-0.10133	2.712669	14.95408	0.292473	0.663335	0.047007	341	1.710342	0.081	15.281		15.42733	15.64533	1.8		4.50E-11		12.34568			
12	2632	1511	3.893	47.84235	-0.23738	3.655623	20.15228	0.39414	0.561668	0.101667	2242	1.663335	0.027	18.066		14.48438	14.95585	1.4		1.16E-11		37.03704			
13	5266	3949	4.755	95.72106	-0.28695	4.468047	24.63091	0.481733	0.474075	0.087593	2634	1.561668	0.021	48.302		13.67195	14.07817	0.46		2.99E-12		47.61905			
14	10529	7897.5	5.624	191.3876	-0.35198	5.272023	29.06297	0.568416	0.387392	0.086683	5263	1.474075	0.011	62.397		12.86798	13.26997	0.32		1.08E-12		90.90909			

Short Nam	PRESSURE	AVE.PRES	A1	A2	A3	A4	STRAIN	A6	VoidsRatio	J	K	L	Mv	N	O	P	Q	cv90	cv50	T	U	M	Csec	voX	voY
Long Name																							Csec		
1	50	25	0.066	0.90584	-0.03074	0.03526	0.193417	0.003333	0.719823	0.003333	50	1.723156	0.039			18.19474	18.21237					25.64103		10	0.723156
2	265	157.5	0.469	4.800951	-0.06487	0.404129	2.216833	0.0382	0.684957	0.034867	215	1.719823	0.094	7.257		17.82587	18.01031	5		1.46E-10		10.6383		18	0.723156
3	397	331	0.671	7.192368	-0.07643	0.59457	3.261493	0.056201	0.666956	0.018001	132	1.684957	0.081	15.68		17.63543	17.73065	2.2		5.64E-11		12.34568			
4	530	463.5	0.819	9.601902	-0.08808	0.730924	4.009458	0.069089	0.654067	0.012889	133	1.666956	0.058	13.433		17.49908	17.56725	2.6		4.63E-11		17.24138			
5	795	662.5	1.06	14.40285	-0.10277	0.957232	5.25086	0.090481	0.632676	0.021391	265	1.654067	0.049	16.934		17.27277	17.38592	2		3.04E-11		20.40816			
6	1192	993.5	1.315	21.59522	-0.12259	1.192411	6.540926	0.11271	0.610446	0.02223	397	1.632676	0.034	12.494		17.03759	17.15518	2.6		2.78E-11		29.41176			
7	1788	1490	1.668	32.39283	-0.14688	1.521116	8.344027	0.143781	0.579376	0.03107	596	1.610446	0.032	22.443		16.70888	16.87324	1.4		1.41E-11		31.25			
8	2684	2236	2.13	48.62548	-0.17715	1.952846	10.71227	0.184589	0.538567	0.040808	896	1.579376	0.029	51.814		16.27715	16.49302	0.59		5.29E-12		34.48276			
9	397	1540.5	1.369	7.192368	-0.07643	1.29257	7.090347	0.122178	0.600979	-0.06241	-2287	1.538567	-			16.93743	16.60729								
10	74	235.5	0.638	1.340643	-0.03875	0.599253	3.28718	0.056643	0.666513	-0.06553	-323	1.600979	-			17.63075	17.28409								
11	397	235.5	1.082	7.192368	-0.07809	1.003911	5.506916	0.094893	0.628264	0.03825	323	1.666513	0.071	39.816		17.22609	17.42842	0.85		1.88E-11		14.08451			
12	2684	1540.5	2.304	48.62548	-0.17881	2.125187	11.65763	0.200879	0.522277	0.105986	2287	1.628264	0.028	40.986		16.10481	16.66545	0.76		6.59E-12		35.71429			
13	5366	4025	3.217	97.21473	-0.24517	2.971835	16.30189	0.280907	0.442249	0.080028	2682	1.522277	0.02	72.811		15.25817	15.68149	0.38		2.35E-12		50			
14	10732	8049	4.254	194.4295	-0.34365	3.910354	21.4501	0.369619	0.353537	0.088712	5366	1.442249	0.011	107.4		14.31965	14.78891	0.23		7.78E-13		90.90909			

Short Nam	PRESSURE	AVE.PRES	A1	A2	A3	A4	STRAIN	A6	VoidsRatio	J	K	L	Mv	N	O	P	Q	cv90	cv50	T	U	M	Csec	voX	voY	B1	B2
Long Name																							Csec				
1	49	24.5	0.131	0.891038	-0.02317	0.107833	0.594121	0.009856	0.649082	0.009856	49	1.658938	0.12	-		18.04217	18.09608	-				8.333333		10	0.658938		
2	74	61.5	0.162	1.34565	-0.03222	0.129778	0.715032	0.011862	0.647076	0.002006	25	1.649082	0.049	-		18.02022	18.03119	-				20.40816		18	0.658938		
3	99	86.5	0.209	1.800261	-0.0404	0.168595	0.9289	0.01541	0.643528	0.003548	25	1.647076	0.086	3.962		17.9814	18.00081		9.2		2.44E-10	11.62791					
4	316	207.5	0.731	5.746288	-0.0821	0.648903	3.575222	0.059311	0.599627	0.043901	217	1.643528	0.12	23.503		17.5011	17.74125		1.5		5.58E-11	8.333333					
5	473	394.5	0.981	8.601247	-0.10351	0.877491	4.834659	0.080204	0.578734	0.020893	157	1.599627	0.083	116.769		17.27251	17.3868		0.29		7.46E-12	12.04819					
6	629	551	1.184	11.43802	-0.12191	1.062091	5.85174	0.097077	0.561861	0.016873	156	1.578734	0.069	90.438		17.08791	17.18021		0.37		7.82E-12	14.49275					
7	946	787.5	1.485	17.20249	-0.15361	1.331386	7.335462	0.121691	0.537247	0.024614	317	1.561861	0.05	82.661		16.81861	16.95326		0.39		6.04E-12	20					
8	1418	1182	1.795	25.78556	-0.18346	1.611536	8.878987	0.147297	0.511641	0.025606	472	1.537247	0.035	65.214		16.53846	16.67854		0.48		5.18E-12	28.57143					
9	2128	1773	2.129	38.69652	-0.21574	1.913259	10.54137	0.174875	0.484063	0.027578	710	1.511641	0.026	75.488		16.23674	16.3876		0.4		3.21E-12	38.46154					
10	3189	2658.5	2.461	57.99023	-0.24014	2.220861	12.23615	0.20299	0.455948	0.028115	1061	1.484063	0.018	67.943		15.92914	16.08294		0.43		2.38E-12	55.55556					
11	473	1831	1.677	8.601247	-0.11469	1.562307	8.607752	0.142797	0.516141	-0.06019	-2716	1.455948	-	-		16.58769	16.25842	-									
12	99	286	0.894	1.800261	-0.05159	0.842412	4.641387	0.076998	0.58194	-0.0658	-374	1.516141	-	-		17.30759	16.94764	-									
13	473	286	1.426	8.601247	-0.11469	1.311307	7.224832	0.119855	0.539083	0.042858	374	1.58194	0.072	38.818		16.83869	17.07314		0.84		1.88E-11	13.88889					
14	3189	1831	2.775	57.99023	-0.25132	2.523678	13.90456	0.230668	0.42827	0.110813	2716	1.539083	0.027	60.407		15.62632	16.23251		0.49		4.09E-12	37.03704					
15	6380	4784.5	3.447	116.0168	-0.3042	3.142804	17.31572	0.287257	0.371681	0.056589	3191	1.42827	0.012	50.139		15.0072	15.31676		0.52		1.95E-12	83.33333					
16	12757	9568.5	4.267	231.9791	-0.37574	3.891256	21.43943	0.355667	0.303271	0.06841	6377	1.371681	0.0078	72.914		14.25874	14.63297		0.33		7.95E-13	128.2051					

B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15 B16

Short Nam	PRESSURE	AVE.PRES	A1	A2	A3	A4	STRAIN	A6	VoidsRatio	J	K	L	Mv	N	O	P	Q	cv90	cv50	T	U	M	Csec	voX	voY	B1	B2
Long Name																							Csec				
1	50	25	0.238	0.904393	-0.07322	0.16478	0.907881	0.016105	0.757829	0.016105	50	1.773934	0.18	1.009		17.98522	18.06761	36		2.02E-09		5.555556		10	0.773934		
2	315	182.5	1.184	5.697673	-0.16241	1.021589	5.62859	0.099847	0.674086	0.083742	265	1.757829	0.18	65.283		17.12841	17.55682	0.53		2.95E-11		5.555556		18	0.773934		
3	473	394	1.505	8.555553	-0.19004	1.314963	7.244975	0.128521	0.645413	0.028674	158	1.674086	0.11	111.394		16.83504	16.98172	0.29		9.89E-12		9.090909					
4	630	551.5	1.745	11.39535	-0.21223	1.532767	8.445	0.149809	0.624125	0.021288	157	1.645413	0.082	185.219		16.61723	16.72613	0.17		4.30E-12		12.19512					
5	945	787.5	2.118	17.09302	-0.24585	1.872151	10.31488	0.182979	0.590955	0.03317	315	1.624125	0.065	98.601		16.27785	16.44754	0.31		6.19E-12		15.38462					
6	1418	1181.5	2.464	25.64857	-0.28221	2.181795	12.02091	0.213243	0.560691	0.030264	473	1.590955	0.04	160.79		15.96821	16.12303	0.18		2.25E-12		25					
7	2125	1771.5	2.851	38.43668	-0.32568	2.525315	13.91358	0.246818	0.527116	0.033575	707	1.560691	0.03	154.629		15.62468	15.79644	0.18		1.68E-12		33.33333					
8	3189	2657	3.262	57.68216	-0.36946	2.892541	15.93687	0.282709	0.491224	0.035892	1064	1.527116	0.022	113.749		15.25746	15.44107	0.23		1.60E-12		45.45455					
9	473	1831	2.539	8.555553	-0.28426	2.254738	12.4228	0.220372	0.553562	-0.06234	-2716	1.491224	-			15.89526	15.57636										
10	50	261.5	1.489	0.904393	-0.20144	1.287563	7.094009	0.125843	0.648091	-0.09453	-423	1.553562	-			16.86244	16.37885										
11	473	261.5	2.134	8.555553	-0.31825	1.815745	10.00411	0.177466	0.596468	0.051623	423	1.648091	0.074	80.519		16.33425	16.59835	0.38		8.79E-12		13.51351					
12	3189	1831	3.434	57.68216	-0.49768	2.936324	16.17809	0.286989	0.486945	0.109522	2716	1.596468	0.025	110.918		15.21368	15.77397	0.25		1.95E-12		40					
13	6378	4783.5	4.138	115.3643	-0.60589	3.532105	19.46063	0.345219	0.428715	0.05823	3189	1.486945	0.012	111.476		14.61789	14.91579	0.22		8.32E-13		83.33333					
14	12759	9568.5	5.008	230.7829	-0.77425	4.233753	23.32646	0.413796	0.360138	0.068577	6381	1.428715	0.0075	125.151		13.91625	14.26707	0.18		4.24E-13		133.3333					

B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15 B16

Short Nam	PRESSURE	AVE.PRES	A1	A2	A3	A4	STRAIN	A6	VoidsRatio	J	K	L	Mv	N	O	P	Q	cv90	cv50	T	U	M	Csec	voX	voY
Long Name																							Csec		
1	50	25	0.198	0.908133	-0.01853	0.17947	0.990999	0.016782	0.676689	0.016782	50	1.693471	0.2			17.93053	18.02027					5		10	0.693471
2	74	62	0.222	1.344036	-0.02482	0.197183	1.08881	0.018439	0.675032	0.001656	24	1.676689	0.041			17.91282	17.92167					24.39024		18	0.693471
3	99	86.5	0.238	1.798103	-0.03117	0.206827	1.142057	0.01934	0.674131	9.02E-04	25	1.675032	0.022			17.90317	17.90799					45.45455			
4	325	212	0.582	5.902862	-0.06832	0.51368	2.836444	0.048034	0.645437	0.028694	226	1.674131	0.076	9.769		17.59632	17.74975	3.6		8.51E-11		13.15789			
5	487	406	0.811	8.845212	-0.08892	0.722084	3.987209	0.067522	0.625949	0.019488	162	1.645437	0.073	21.661		17.38792	17.49212	1.6		3.58E-11		13.69863			
6	649	568	1.007	11.78756	-0.10379	0.903207	4.98734	0.084459	0.609012	0.016937	162	1.625949	0.064	164.153		17.20679	17.29735	0.2		4.05E-12		15.625			
7	974	811.5	1.269	17.69042	-0.12622	1.142776	6.310195	0.106861	0.58661	0.022402	325	1.609012	0.043	107.281		16.96722	17.08701	0.3		4.06E-12		23.25581			
8	1461	1217.5	1.563	26.53564	-0.1484	1.414602	7.811165	0.13228	0.561191	0.025418	487	1.58661	0.033	83.195		16.6954	16.83131	0.38		3.90E-12		30.30303			
9	2193	1827	1.889	39.8307	-0.17565	1.713347	9.460779	0.160216	0.533256	0.027936	732	1.561191	0.024	110.351		16.39665	16.54603	0.28		2.07E-12		41.66667			
10	3291	2742	2.249	59.77329	-0.20467	2.044329	11.2884	0.191166	0.502305	0.03095	1098	1.533256	0.018	132.471		16.06567	16.23116	0.22		1.24E-12		55.55556			
11	487	1889	1.453	8.845212	-0.09441	1.358589	7.501873	0.127042	0.566429	-0.06412	-2804	1.502305	-			16.75141	16.40854								
12	124	305.5	0.868	2.252169	-0.04214	0.825858	4.560231	0.077226	0.616245	-0.04982	-363	1.566429	-			17.28414	17.01778								
13	487	305.5	1.159	8.845212	-0.09441	1.064589	5.87846	0.09955	0.593921	0.022324	363	1.616245	0.038	46.306		17.04541	17.16478	0.71		8.39E-12		26.31579			
14	3291	1889	2.325	59.77329	-0.21017	2.114834	11.67772	0.197759	0.495712	0.098209	2804	1.593921	0.022	80.79		15.99517	16.52029	0.38		2.58E-12		45.45455			
15	6582	4936.5	3.038	119.5466	-0.283	2.755004	15.21261	0.257621	0.43585	0.059862	3291	1.495712	0.012	113.87		15.355	15.67508	0.24		8.99E-13		83.33333			
16	13162	9872	3.904	239.0568	-0.40034	3.50366	19.34655	0.327628	0.365843	0.070007	6580	1.43585	0.0074	132.183		14.60634	14.98067	0.19		4.36E-13		135.1351			

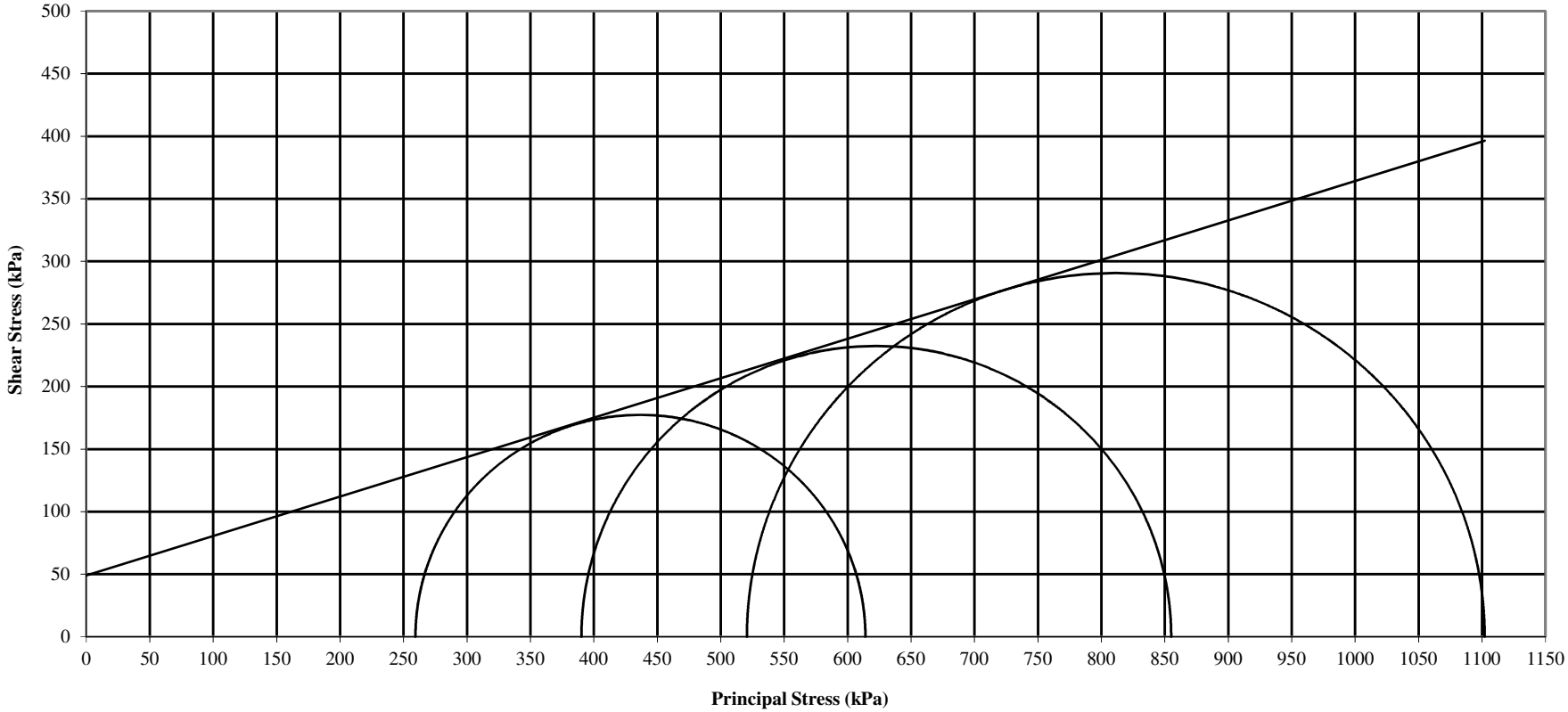
Short Nam	PRESSURE	AVE.PRES	A1	A2	A3	A4	STRAIN	A6	VoidsRatio	J	K	L	Mv	N	O	P	Q	cv90	cv50	T	U	M	Csec	voX	voY
Long Name																							Csec		
1	50	25	0.65	0.907769	-0.0236	0.626398	3.445534	0.073018	1.046199	0.073018	50	2.119218	0.69	0.504		17.5536	17.8668	71		1.52E-08		1.449275		10	1.119218
2	350	200	1.024	6.354386	-0.08666	0.937342	5.155897	0.109265	1.009953	0.036246	300	2.046199	0.059	11.254		17.24266	17.39813	3		5.51E-11		16.94915		18	1.119218
3	526	438	1.177	9.549734	-0.11062	1.066377	5.86566	0.124306	0.994912	0.015041	176	2.009953	0.043	28.981		17.11362	17.17814	1.1		1.52E-11		23.25581			
4	699	612.5	1.31	12.69062	-0.1288	1.181202	6.497259	0.137691	0.981527	0.013385	173	1.994912	0.039	33.571		16.9988	17.05621	0.97		1.17E-11		25.64103			
5	1049	874	1.538	19.045	-0.16375	1.374252	7.559145	0.160195	0.959023	0.022504	350	1.981527	0.032	41.251		16.80575	16.90227	0.78		7.69E-12		31.25			
6	1575	1312	1.8	28.59474	-0.19049	1.609513	8.853208	0.187619	0.931599	0.027424	526	1.959023	0.027	36.604		16.57049	16.68812	0.85		7.13E-12		37.03704			
7	2362	1968.5	2.286	42.88303	-0.22239	2.063612	11.351	0.240552	0.878665	0.052934	787	1.931599	0.035	103.044		16.11639	16.34344	0.29		3.15E-12		28.57143			
8	3544	2953	3.007	64.3427	-0.2476	2.759397	15.1782	0.321659	0.797559	0.081107	1182	1.878665	0.037	212.611		15.4206	15.7685	0.13		1.50E-12		27.02703			
9	526	2035	2.006	9.549734	-0.12307	1.882927	10.35713	0.21949	0.899728	-0.10217	-3018	1.797559	-			16.29707	15.85884								
10	50	288	1.188	0.907769	-0.03605	1.151948	6.336345	0.134281	0.984937	-0.08521	-476	1.899728	-			17.02805	16.66256								
11	526	288	1.642	9.549734	-0.12307	1.518927	8.354931	0.177059	0.942159	0.042778	476	1.984937	0.045	48.326		16.66107	16.84456	0.66		9.17E-12		22.22222			
12	3544	2035	3.19	64.3427	-0.26005	2.929947	16.11632	0.34154	0.777678	0.164481	3018	1.942159	0.028	180.762		15.25005	15.95556	0.16		1.37E-12		35.71429			
13	7087	5315.5	4.557	128.6672	-0.31495	4.242049	23.3336	0.49449	0.624728	0.15295	3543	1.777678	0.024	419.018		13.93795	14.594	0.057		4.24E-13		41.66667			
14	14175	10631	6.012	257.3526	-0.3906	5.621396	30.92077	0.655278	0.463939	0.160789	7088	1.624728	0.014	593.05		12.5586	13.24828	0.033		1.44E-13		71.42857			

Short Nam	PRESSURE	AVE.PRES	A1	A2	A3	A4	STRAIN	A6	VoidsRatio	J	K	L	Mv	N	O	P	Q	cv90	cv50	T	U	M	Csec	voX	voY
Long Name																							Csec		
1	50	25	0.299	0.908133	-0.01853	0.28047	1.537664	0.030902	0.978759	0.030902	50	2.009661	0.31	0.53		17.95953	18.09977	69		6.65E-09		3.225806		10	1.009661
2	369	209.5	1.155	6.702019	-0.07391	1.081086	5.927006	0.119113	0.890549	0.088211	319	1.978759	0.14	1.034		17.15891	17.55922	33		1.45E-09		7.142857		18	1.009661
3	556	462.5	1.322	10.09844	-0.09737	1.224626	6.713958	0.134928	0.874733	0.015815	187	1.890549	0.045	2.37		17.01537	17.08714	14		1.92E-10		22.22222			
4	740	648	1.466	13.44036	-0.11007	1.355927	7.433808	0.149394	0.860267	0.014467	184	1.874733	0.042	4.117		16.88407	16.94972	7.8		1.02E-10		23.80952			
5	1109	924.5	1.681	20.14238	-0.13529	1.545708	8.474277	0.170304	0.839357	0.02091	369	1.860267	0.03	2.039		16.69429	16.78918	15		1.44E-10		33.33333			
6	1665	1387	1.929	30.24082	-0.15599	1.773006	9.720429	0.195348	0.814314	0.025043	556	1.839357	0.024	2.773		16.46699	16.58064	11		8.26E-11		41.66667			
7	2497	2081	2.207	45.35214	-0.18376	2.023239	11.09232	0.222918	0.786743	0.02757	832	1.814314	0.018	2.632		16.21676	16.34188	11		6.34E-11		55.55556			
8	3746	3121.5	2.669	68.0373	-0.21665	2.452346	13.44488	0.270197	0.739465	0.047278	1249	1.786743	0.021	80.72		15.78765	16.00221	0.36		2.31E-12		47.61905			
9	556	2151	2.071	10.09844	-0.10302	1.967984	10.78939	0.21683	0.792831	-0.05337	-3190	1.739465	-			16.27202	16.02984								
10	50	303	1.533	0.908133	-0.02417	1.508828	8.272083	0.166241	0.84342	-0.05059	-506	1.792831	-			16.73117	16.50159								
11	556	303	1.853	10.09844	-0.10302	1.749984	9.594211	0.192811	0.81685	0.02657	506	1.84342	0.028	4.653		16.49002	16.61059	6.6		5.76E-11		35.71429			
12	3746	2151	2.795	68.0373	-0.2223	2.572704	14.10474	0.283457	0.726204	0.090646	3190	1.81685	0.016	57.97		15.6673	16.07866	0.5		2.48E-12		62.5			
13	7493	5619.5	3.992	136.0928	-0.30134	3.690656	20.23386	0.406632	0.603029	0.123175	3747	1.726204	0.019	221.96		14.54934	15.10832	0.12		6.78E-13		52.63158			
14	14985	11239	5.485	272.1674	-0.431	5.054004	27.70835	0.556844	0.452817	0.150212	7492	1.603029	0.013	436.306		13.186	13.86767	0.049		1.99E-13		76.92308			

CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole CH2019_R2 Sample Number: C28 Depth (m): 55.66 - 55.74

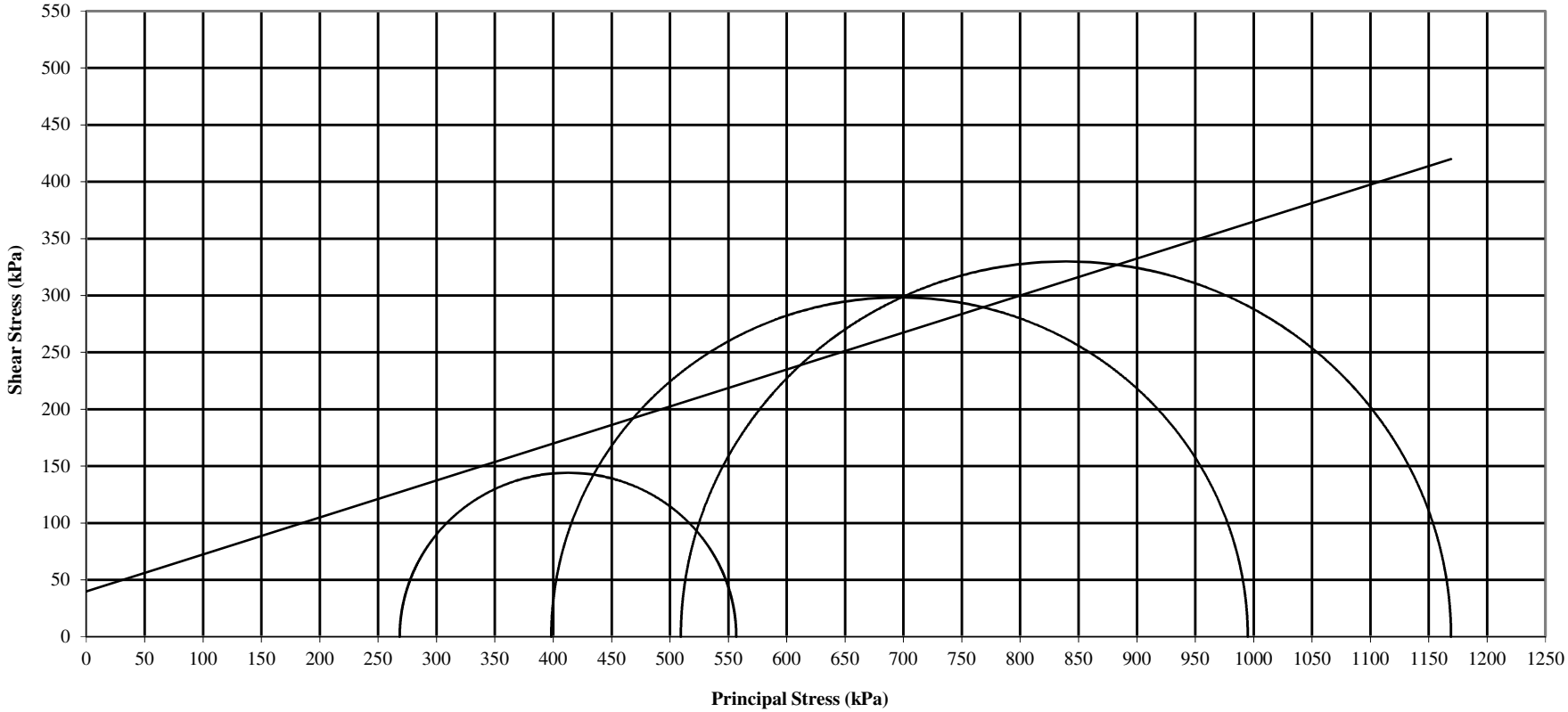


	C'	49	ϕ'	17.5	Job No 734318
	Contract	Sizewell C			Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole CH2019_R2 Sample Number: C30 Depth (m): 56.53

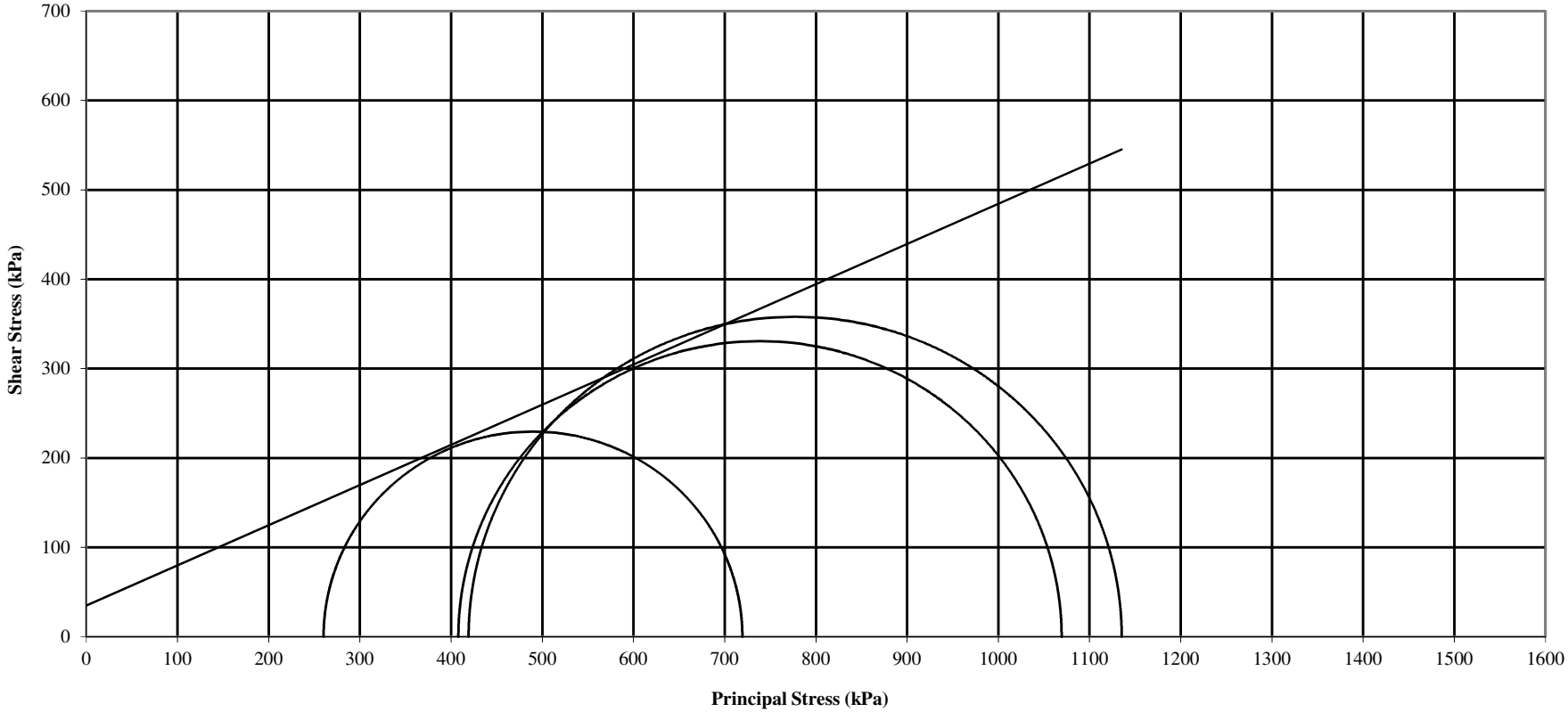


	C'	40	ϕ'	18	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole CH2019_R2 Sample Number: C32 Depth (m): 57.28 - 57.36

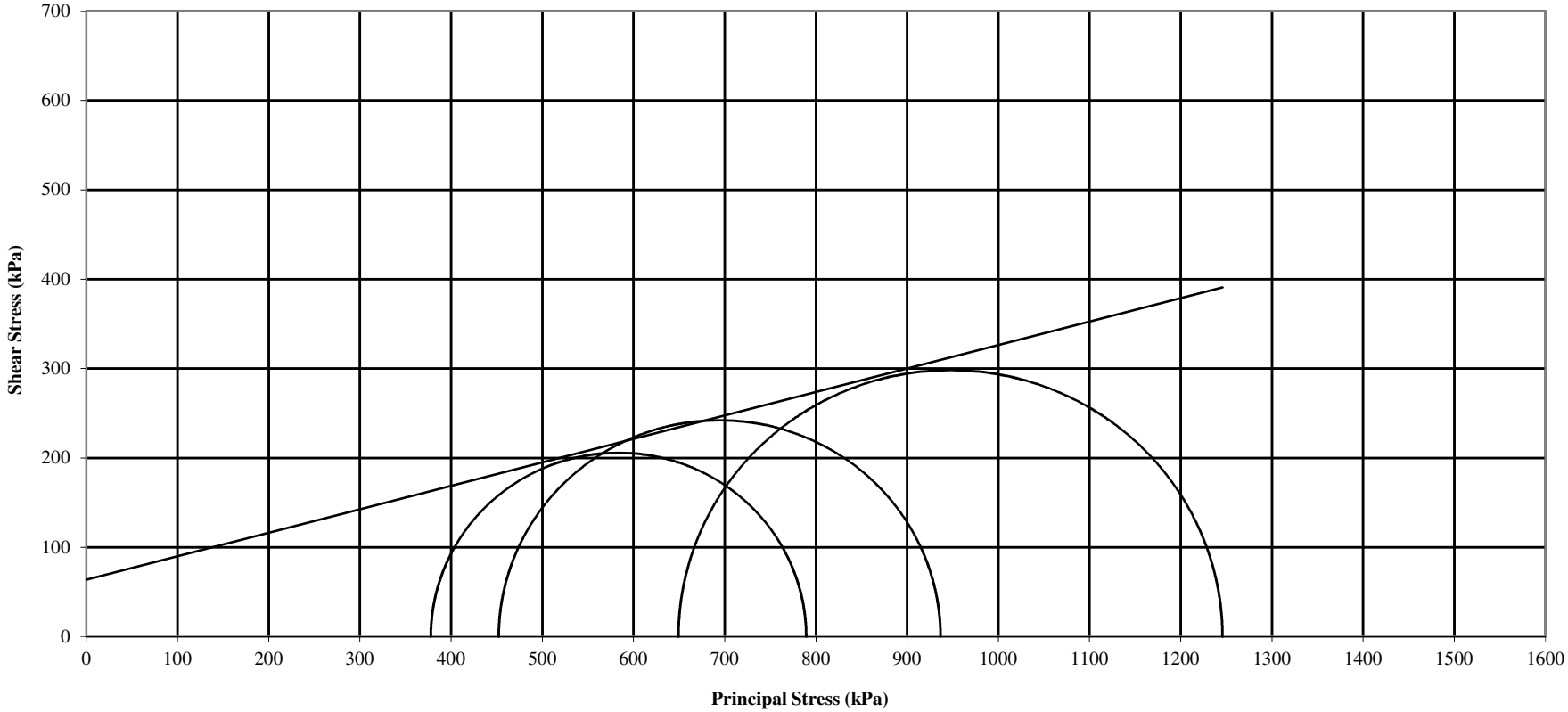


	C'	35	ϕ'	24.2	Job No 734318
	Contract	Sizewell C			Figure
					Page

CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole CH2019_R2 Sample Number: C52 Depth (m): 74.79

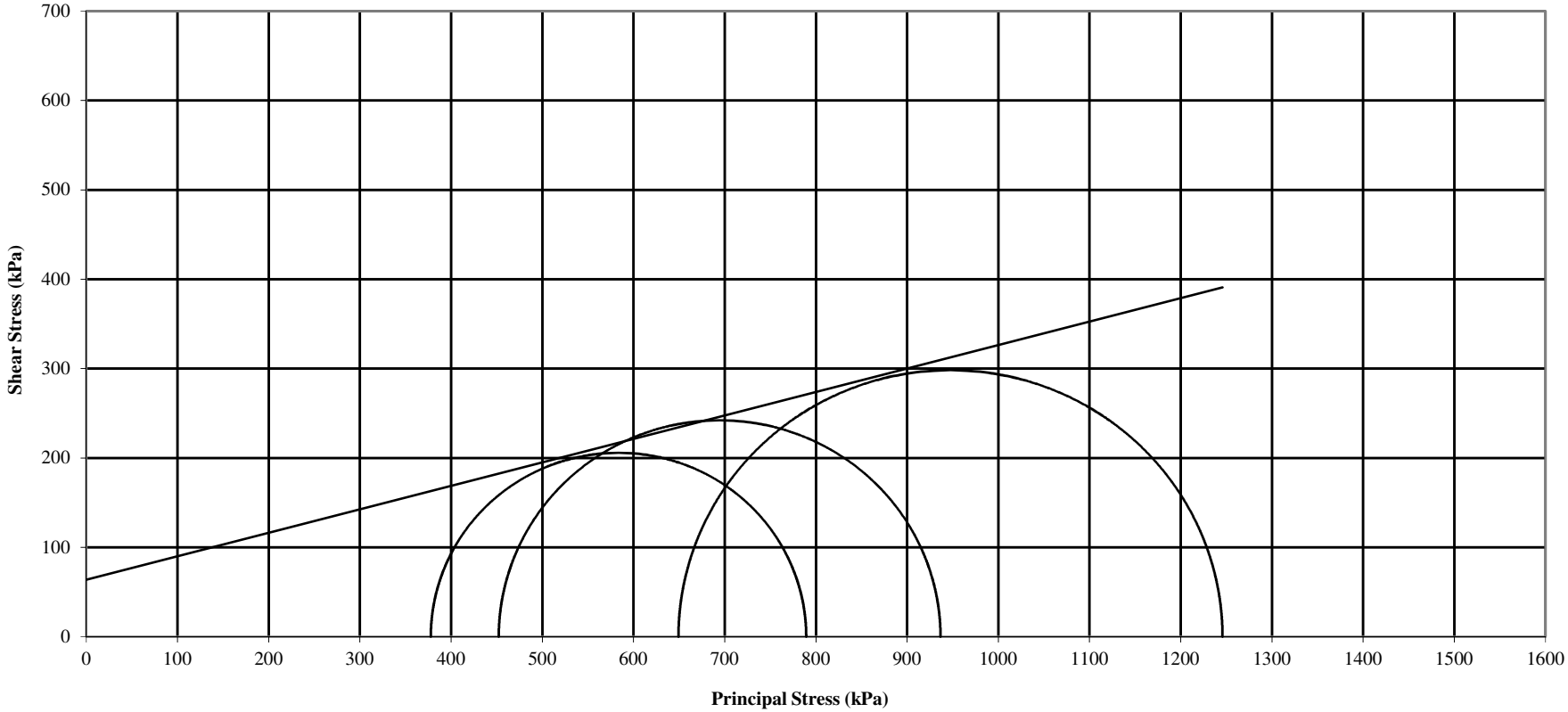


	C'	64	ϕ'	14.7	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole CH2019_R2 Sample Number: C52 Depth (m): 74.79

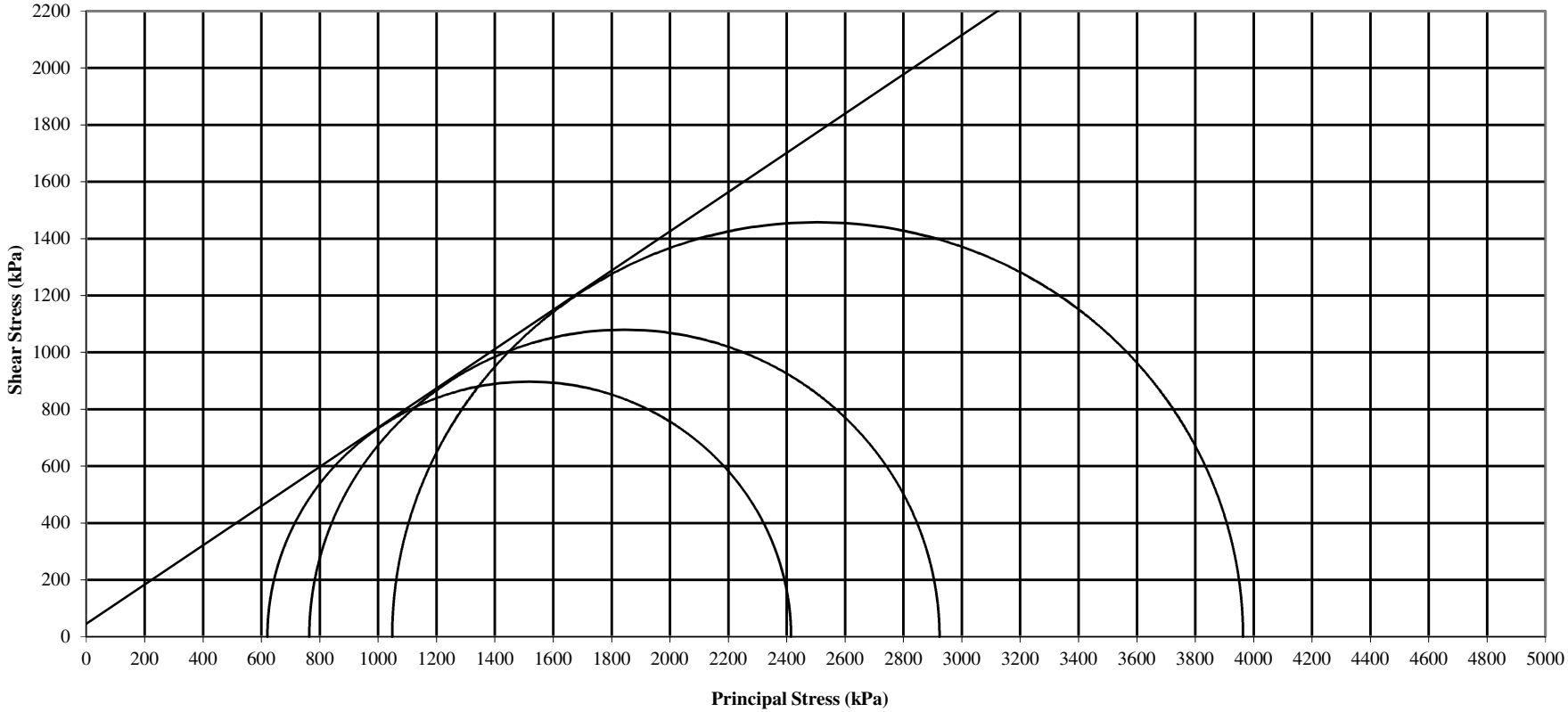


	C'	64	ϕ'	14.7	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED DRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_2 Sample Number: C2 Depth (m): 10.80 - 11.52

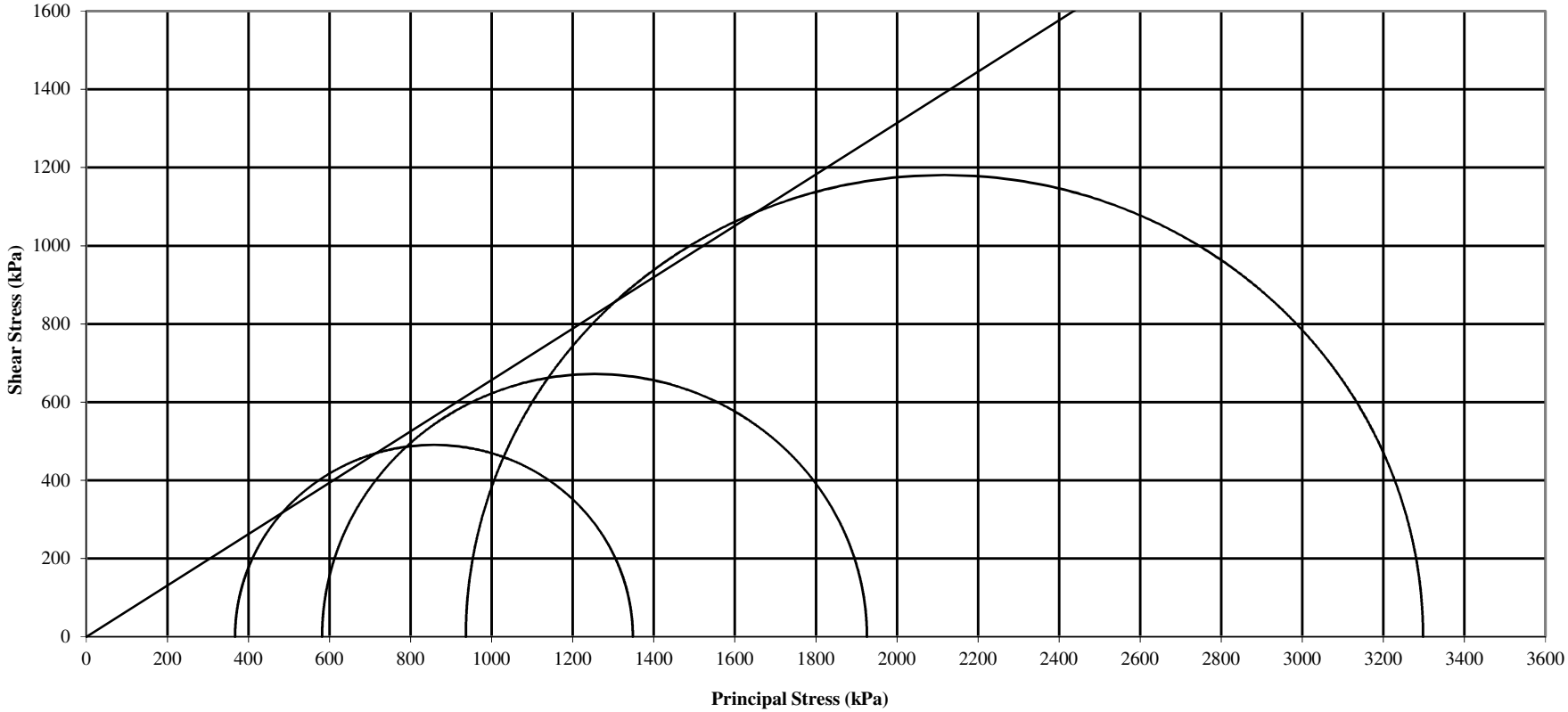


	C'	46	ϕ'	34.6	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_2 Sample Number: C9 Depth (m): 16.05

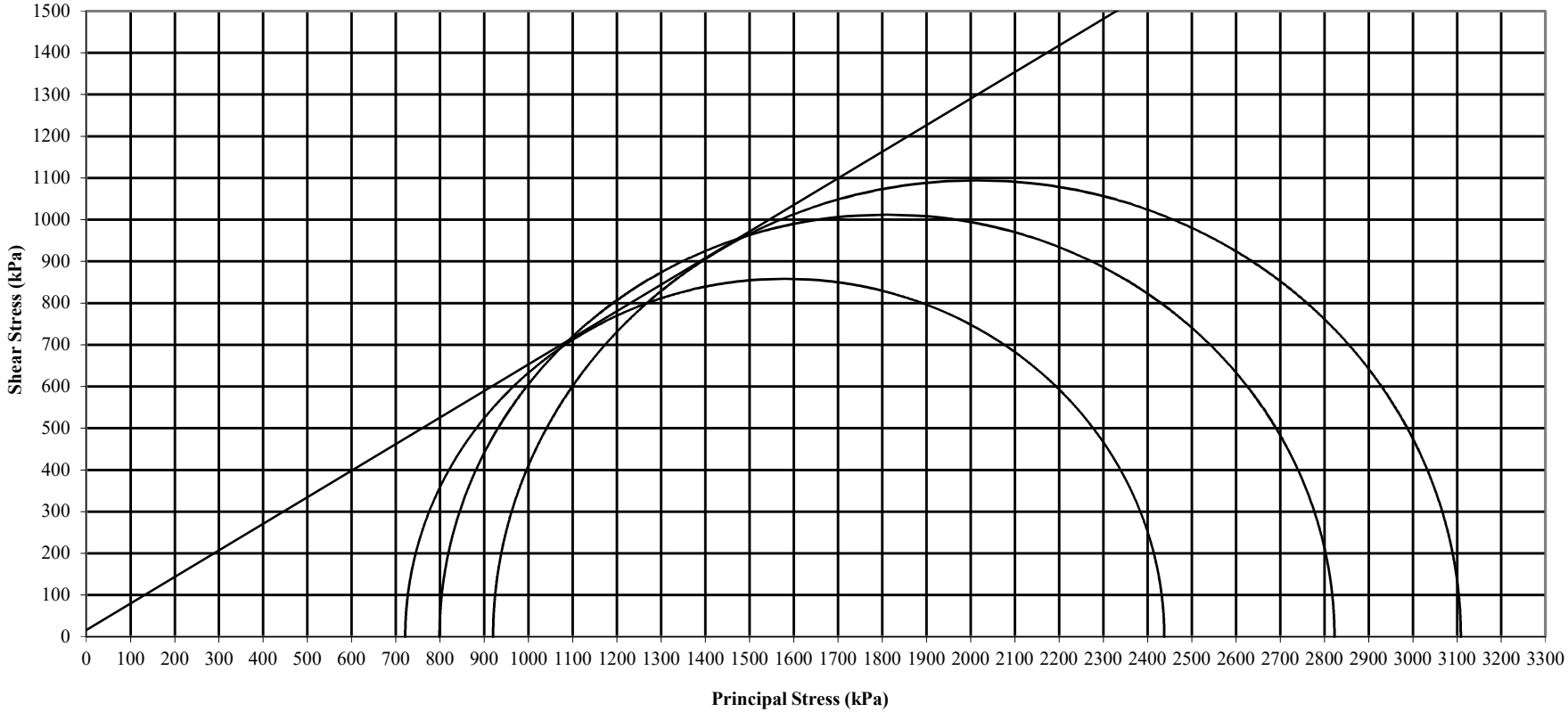


	C'	0	ϕ'	33.3	Job No 734318
	Contract				Figure
	Sizewell C				Page

CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_2 Sample Number: C51 Depth (m): 65.16

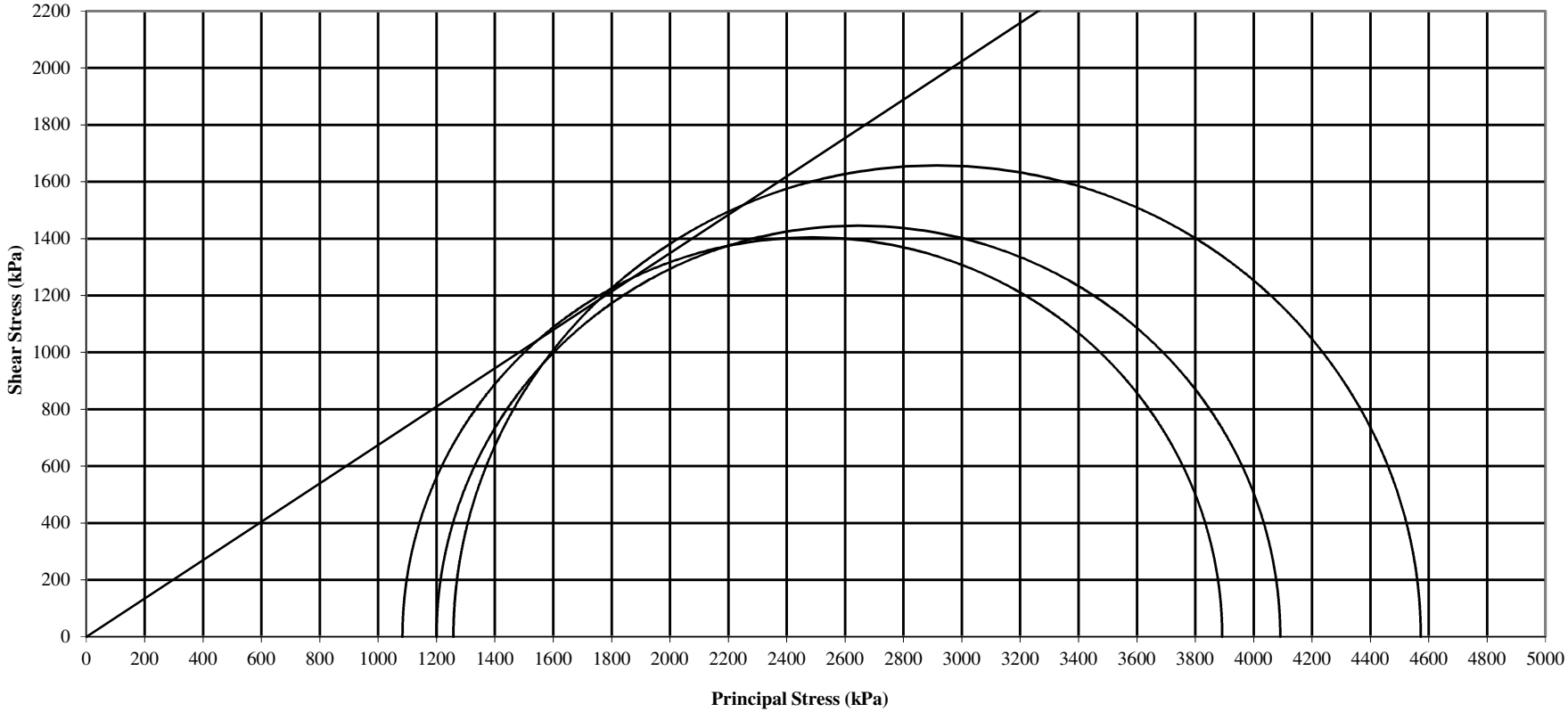


	C'	16	ϕ'	32.5	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED DRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_2 Sample Number: C53 Depth (m): 68.55 - 69.30

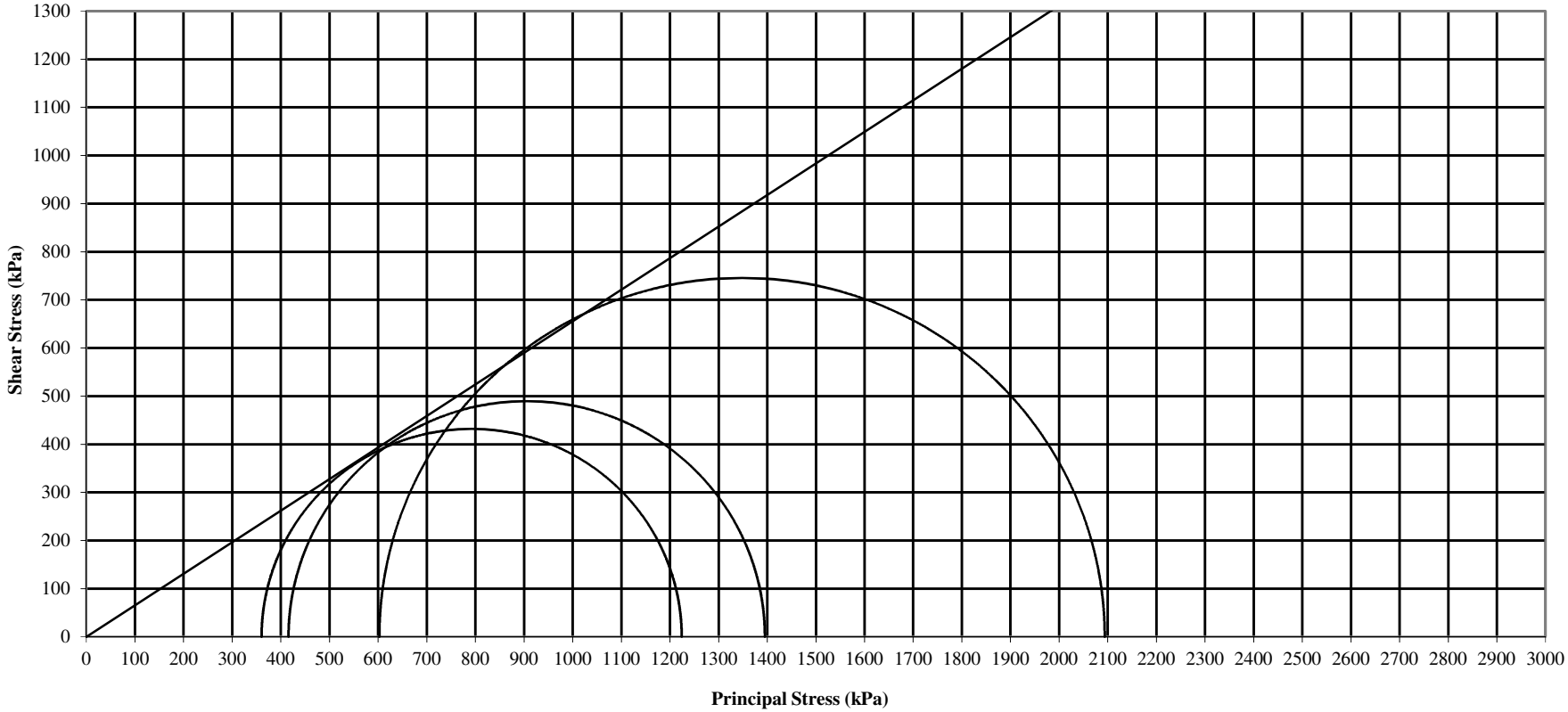


	C'	0	ϕ'	34	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_3 Sample Number: C2 Depth (m): 11.00

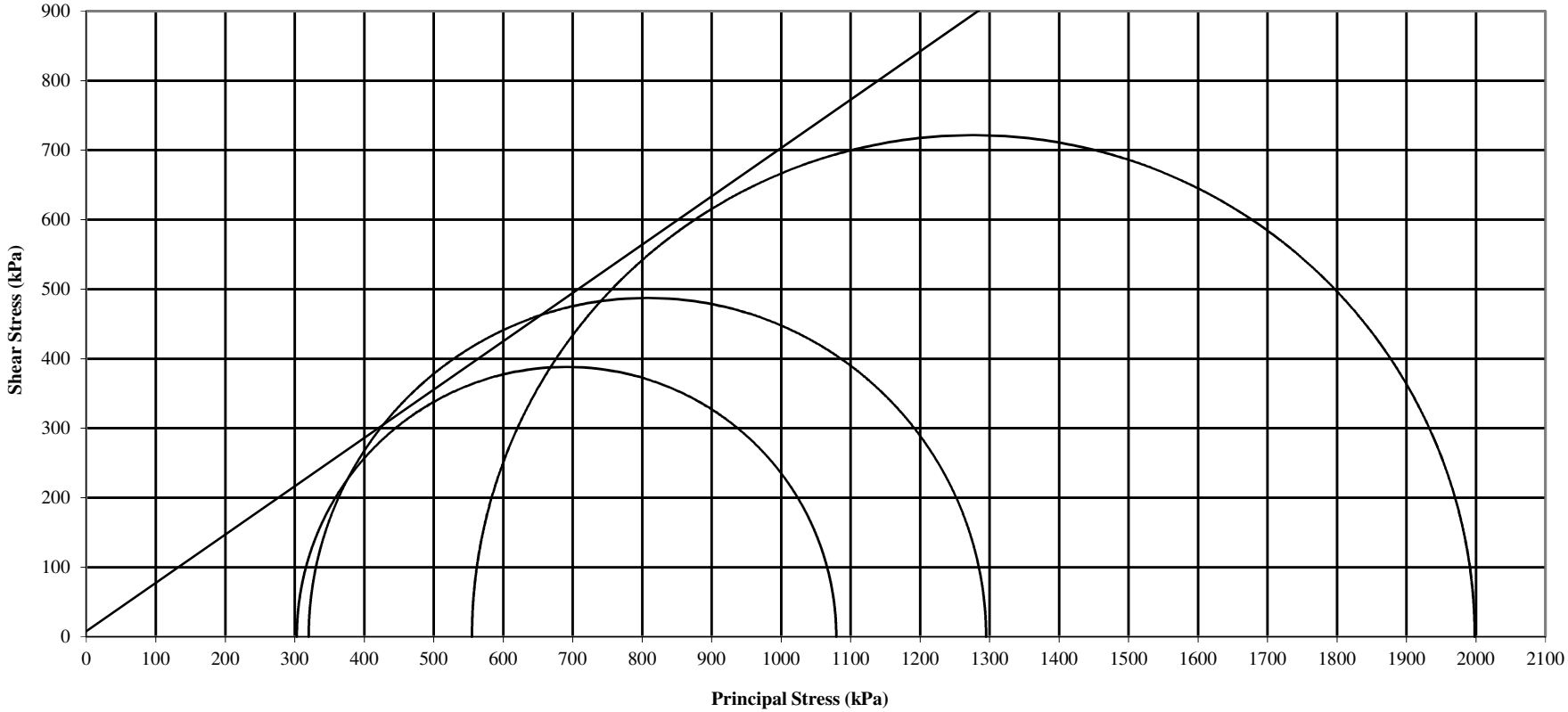


	C'	0	ϕ'	33.25	Job No 734318
	Contract	Sizewell C			Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_3 Sample Number: C9 Depth (m): 19.25m

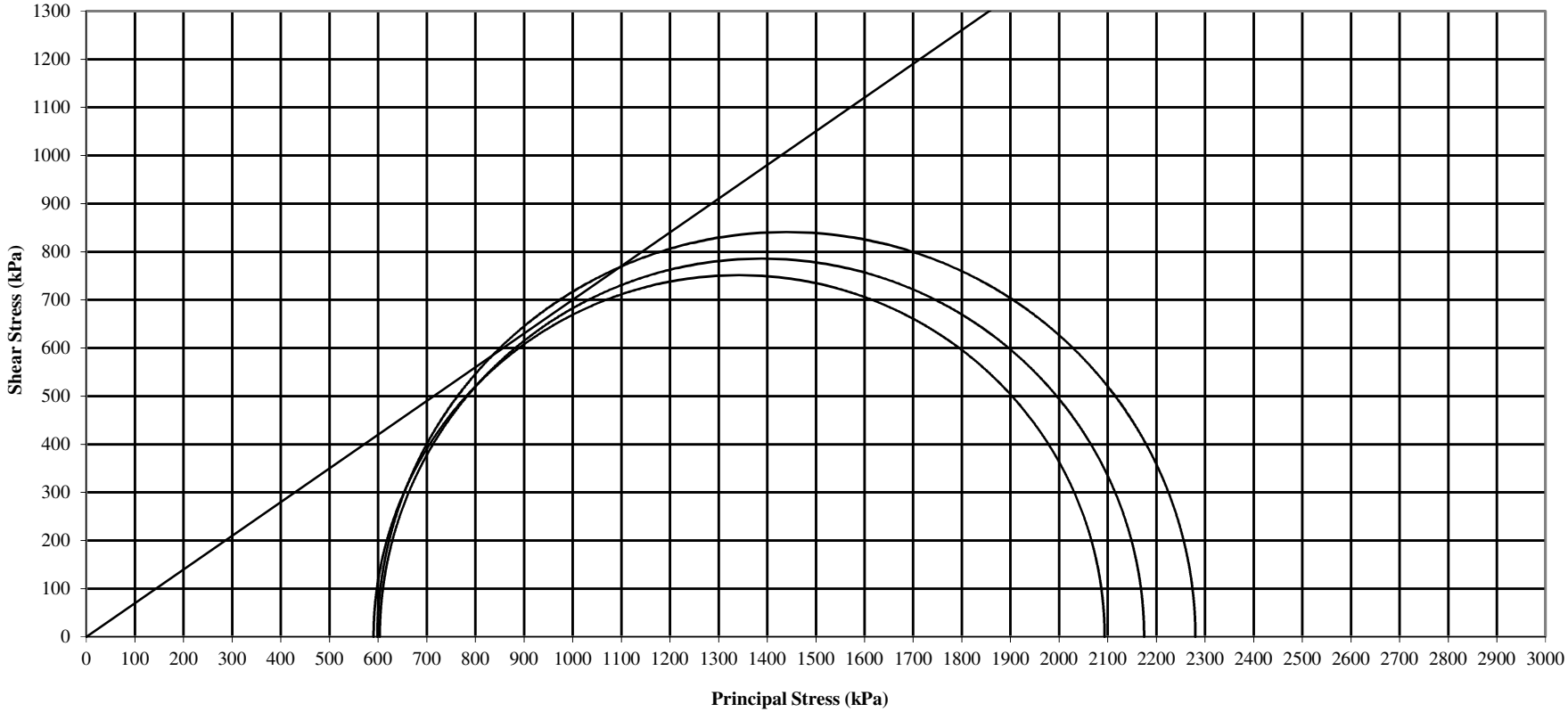


	C'	8	ϕ'	34.8	Job No 734318
	Contract	Sizewell C			Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_3 Sample Number: C27 Depth (m): 41.75

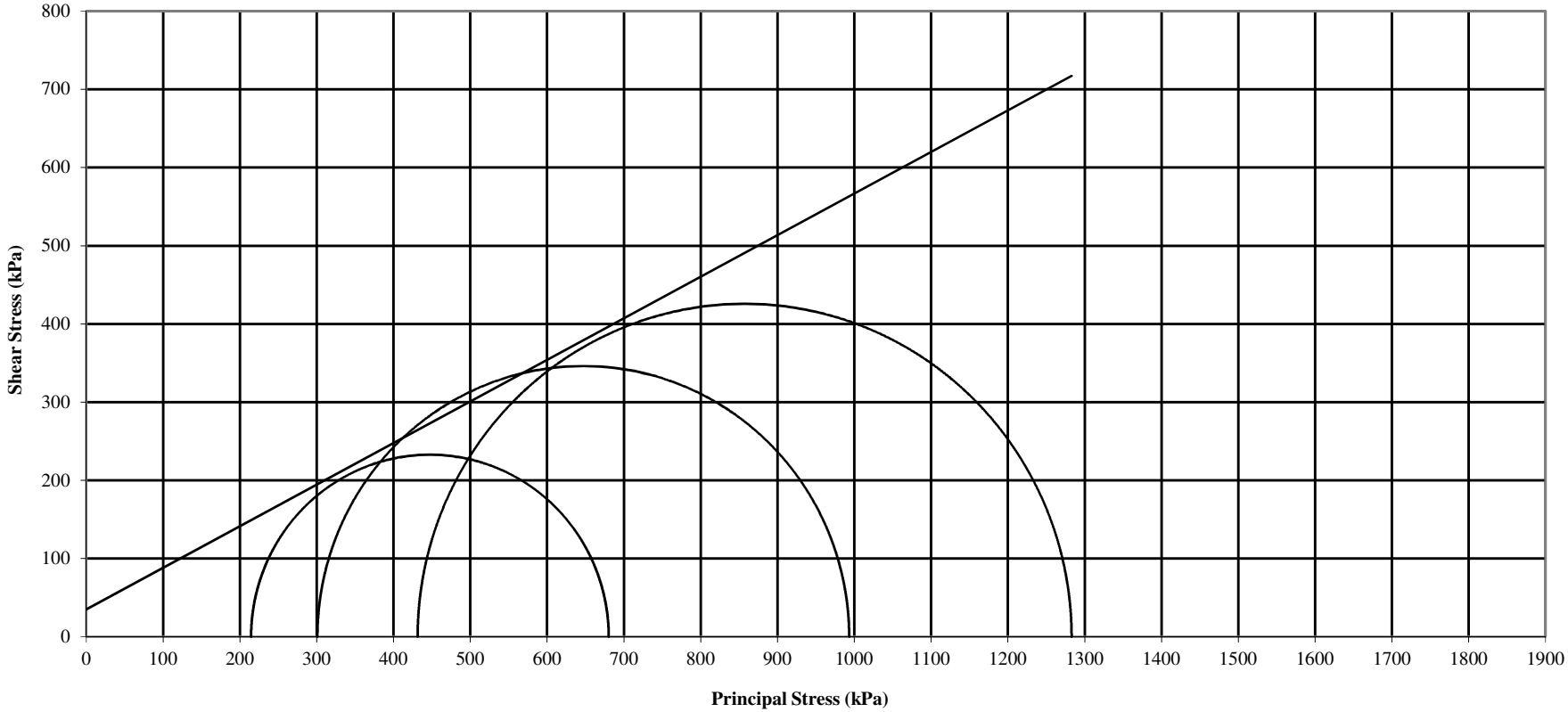


	C'	0	ϕ'	35	Job No 734318
	Contract	Sizewell C			Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_3 Sample Number: C32 Depth (m): 53.72

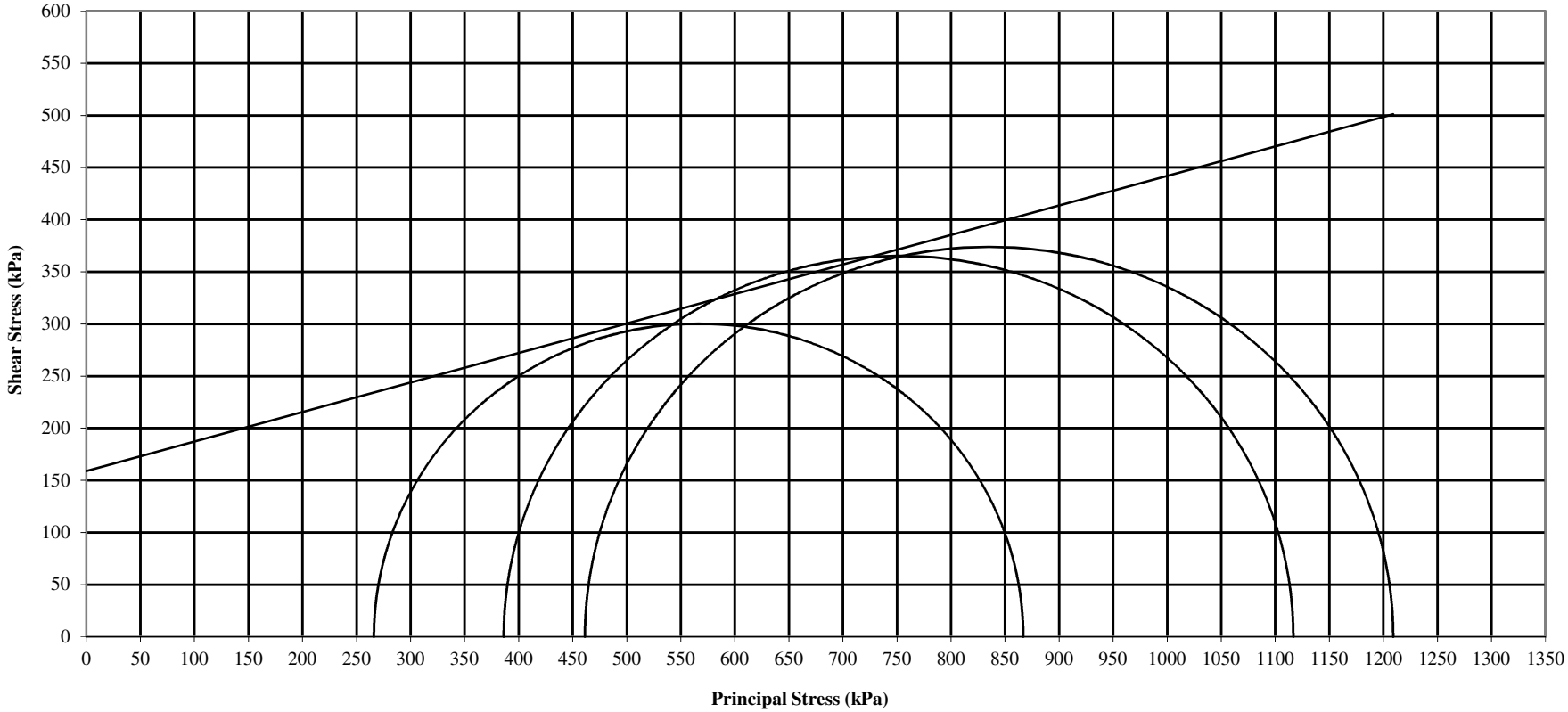


	C'	35	ϕ'	28	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_3 Sample Number: C35A Depth (m): 56.85

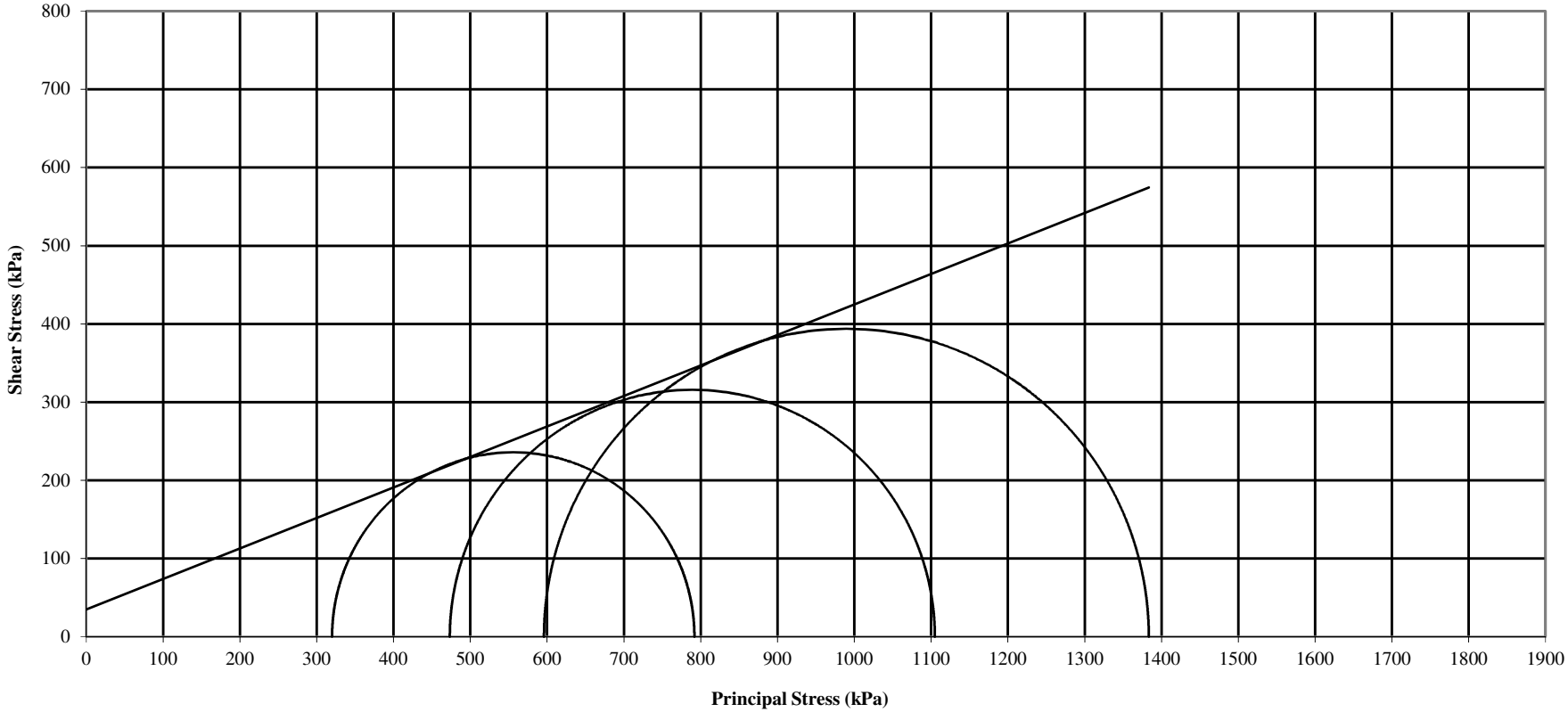


	C'	159	ϕ'	15.8	Job No 734318
	Contract	Sizewell C			Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_3 Sample Number: C39 Depth (m): 61.39-61.77m

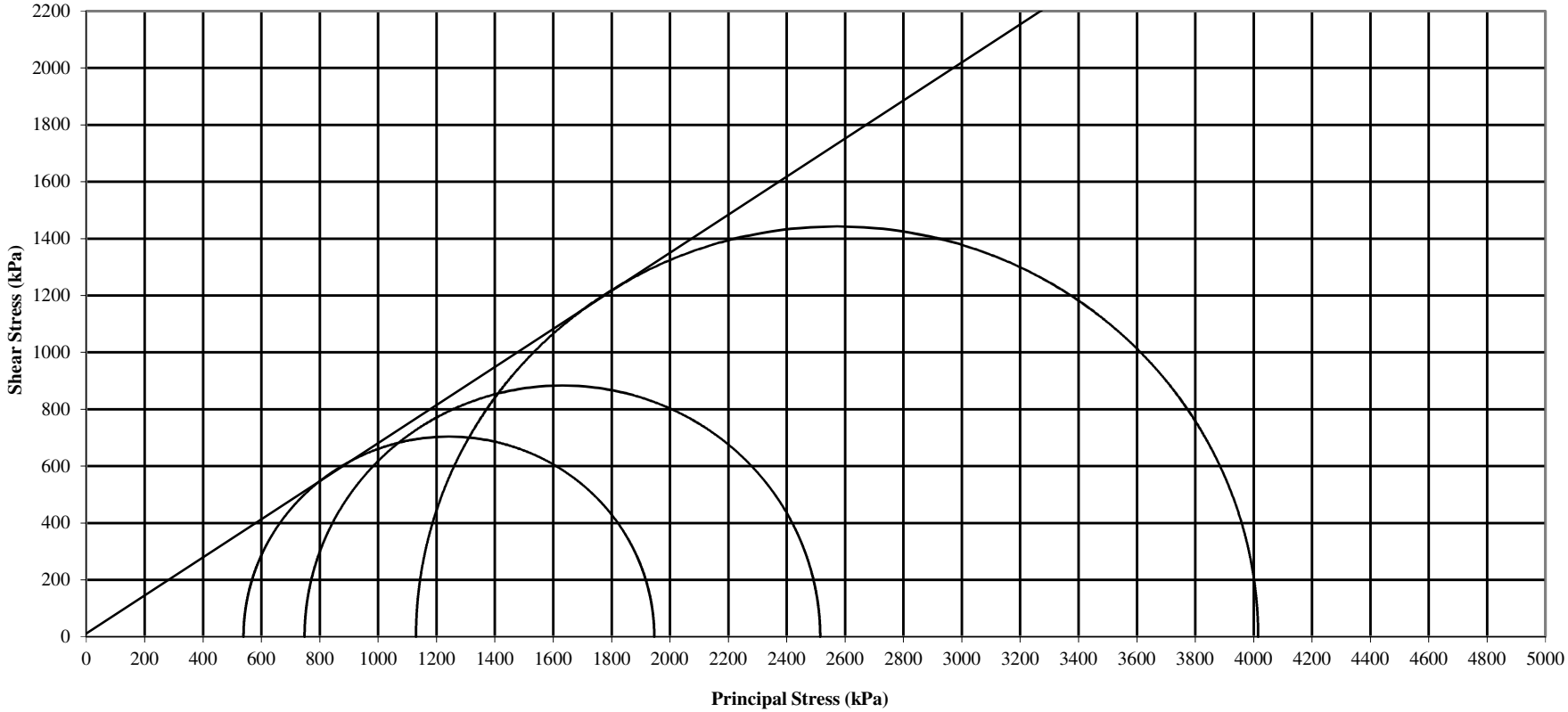


	C'	35	ϕ'	21.3	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED DRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_4 Sample Number: C7 Depth (m): 60.70

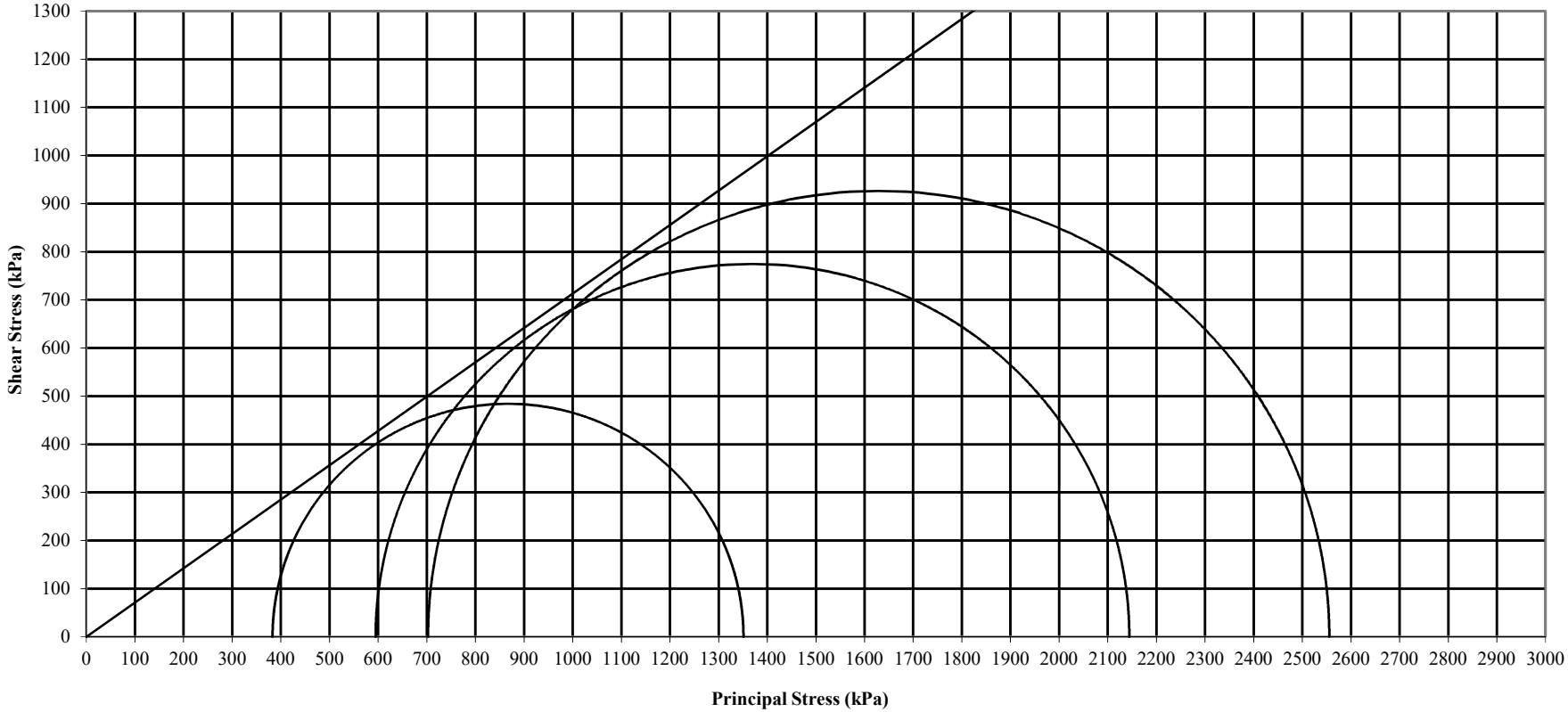


	C'	11.5	ϕ'	33.8	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole	DCBH2019_5	Sample Number:	5	Depth (m):	20.50 - 21.10

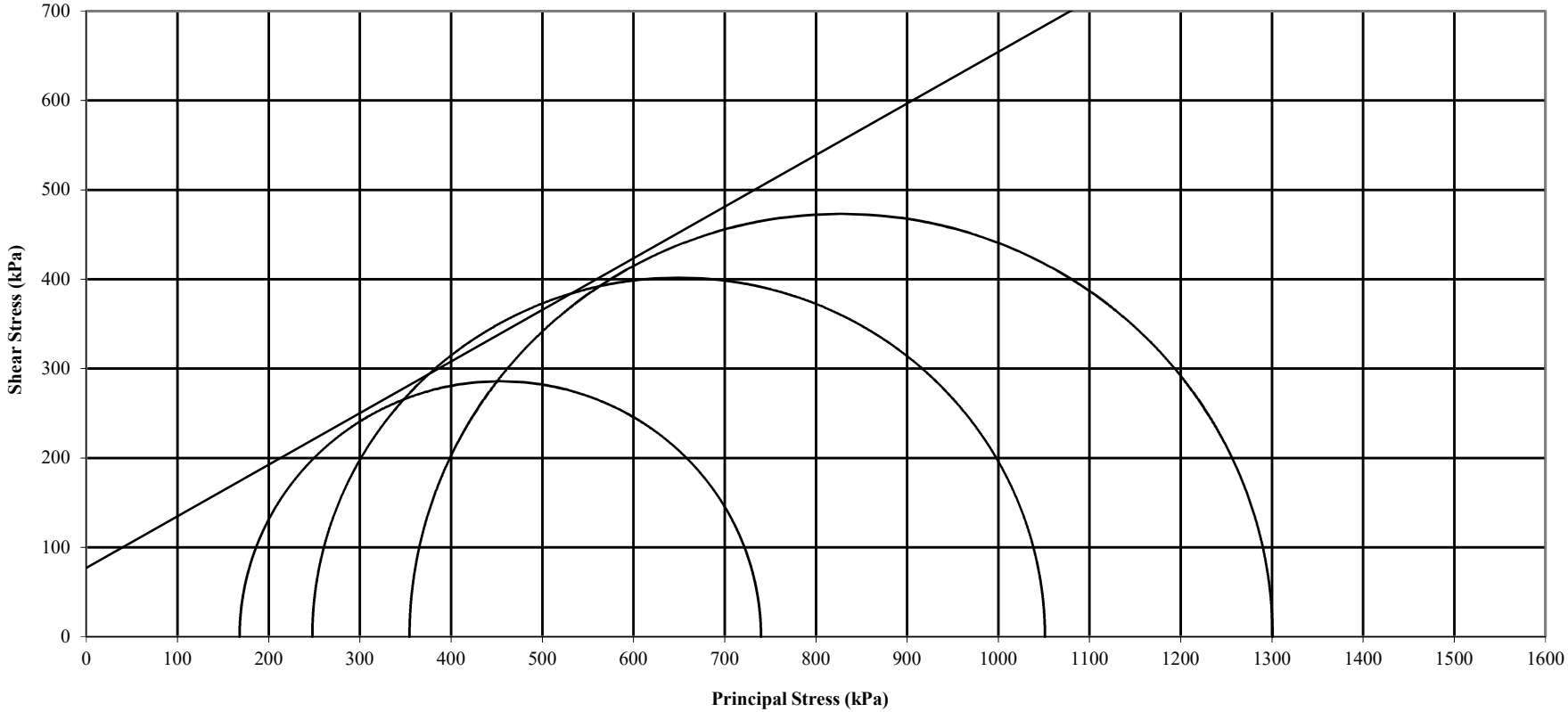


	C'	0	ϕ'	35.5	Job No 734318
	Contract: Sizewell B				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_5 Sample Number: C15 Depth (m): 49.18 - 49.26

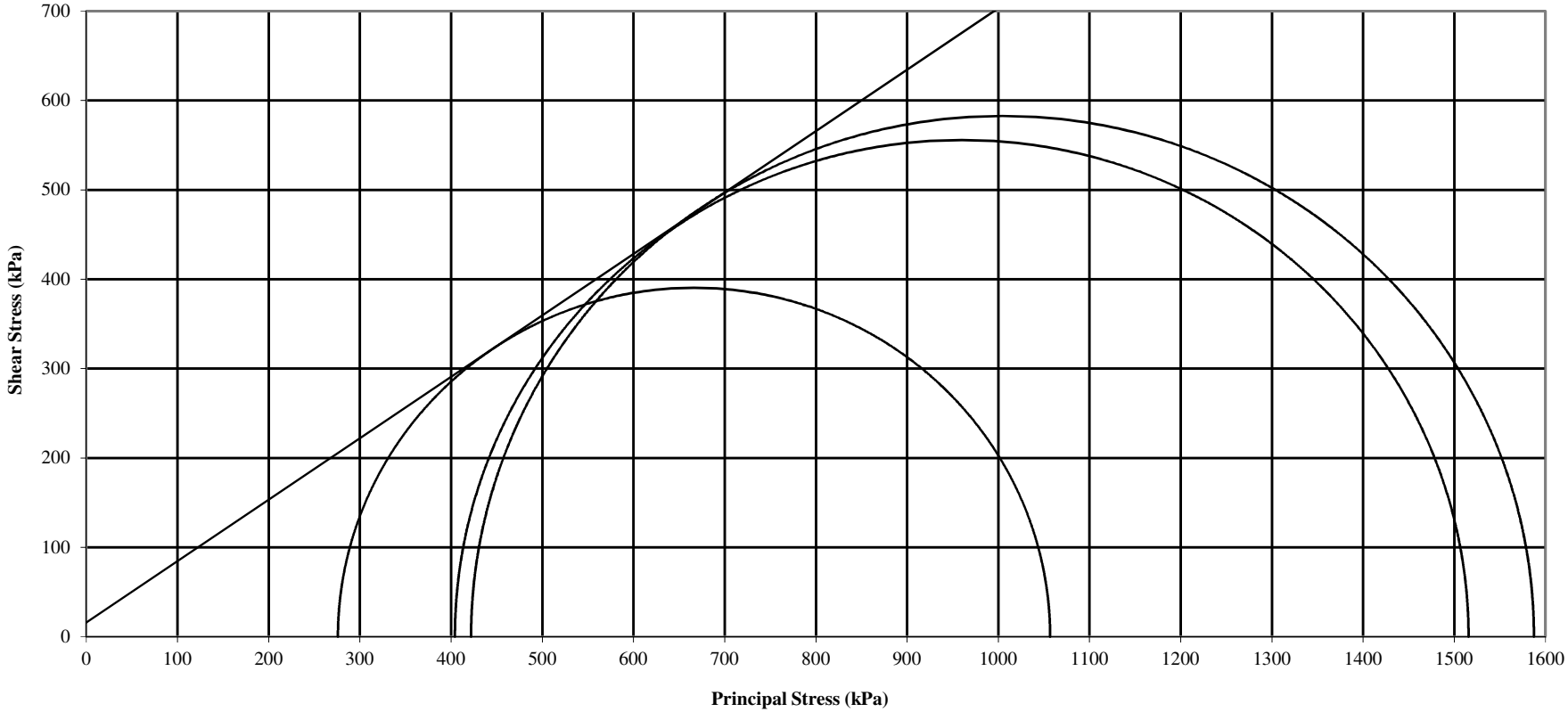


	C'	77	ϕ'	30	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C3 Depth (m): 16.45

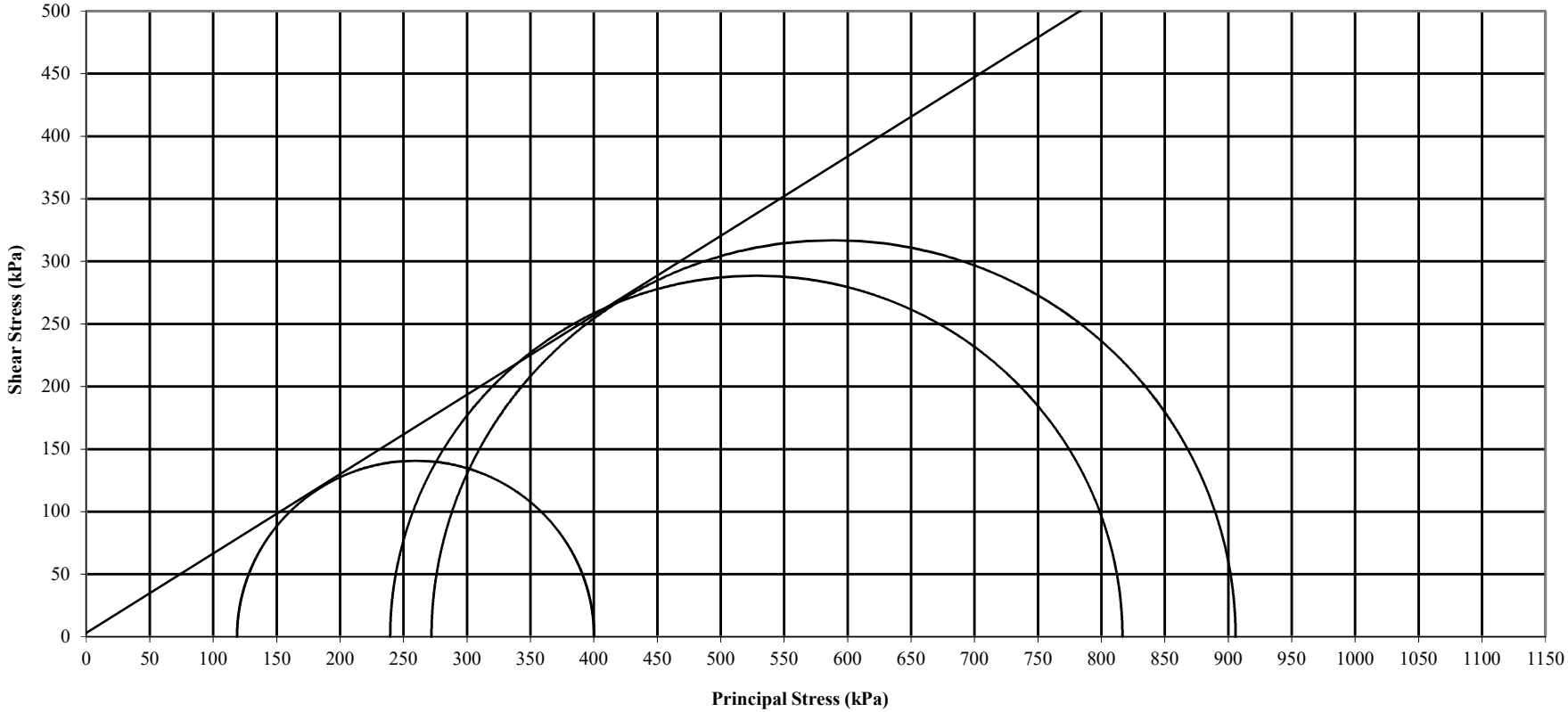


	C'	16	ϕ'	34.5	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_5 Sample Number: C9 Depth (m): 29.95 - 30.50

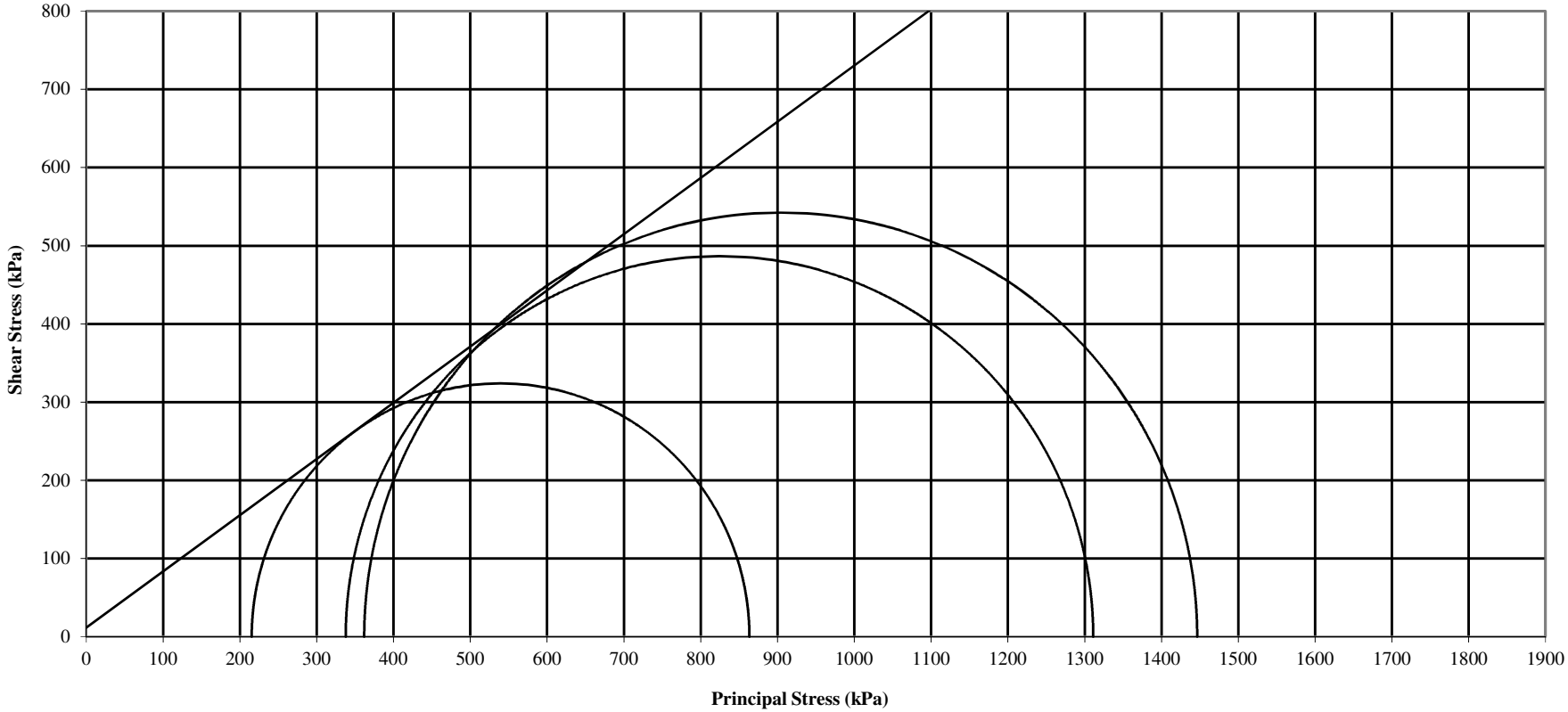


	C'	3	ϕ'	32.4	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C8 Depth (m): 21.70-22.30

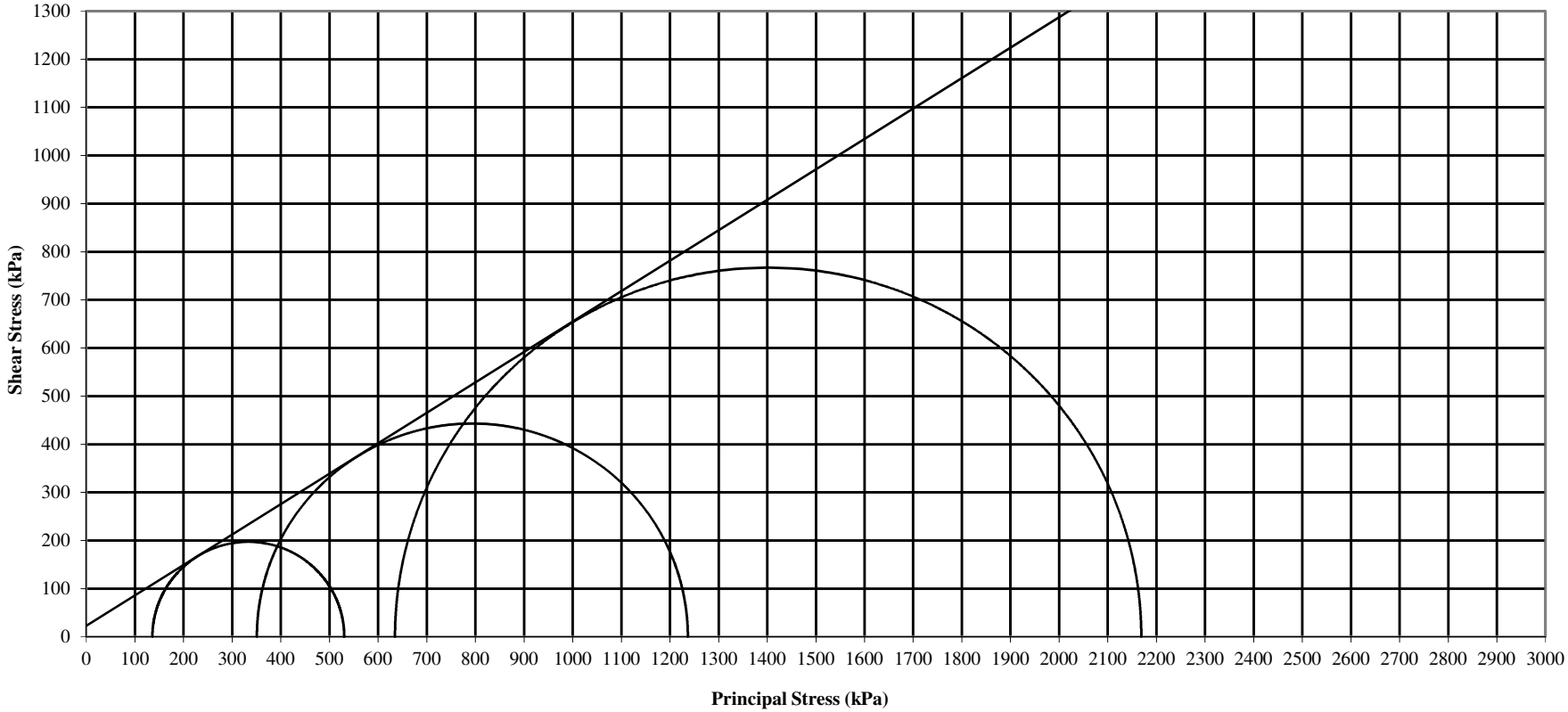


	C'	12	ϕ'	35.7	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C11 Depth (m): 29.20

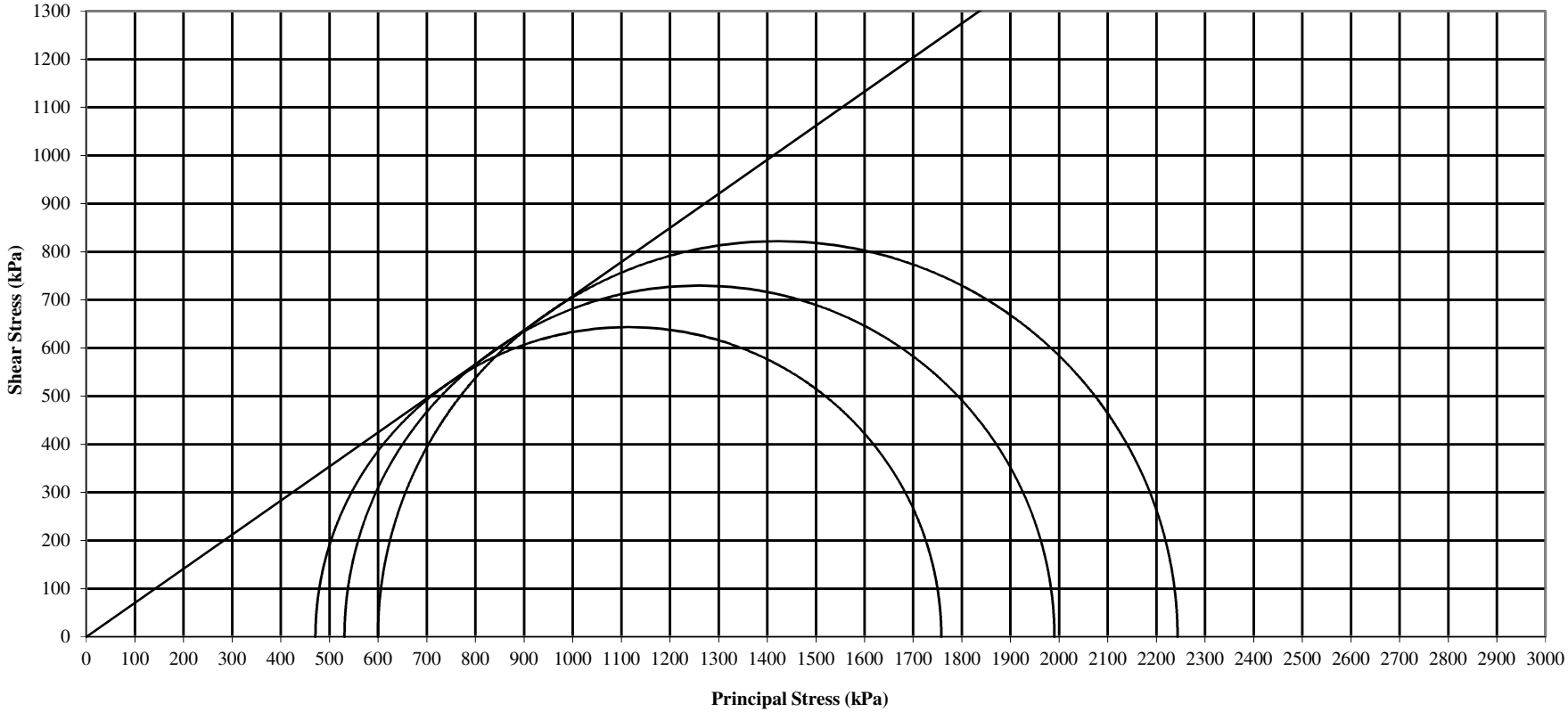


	C'	23	ϕ'	32.3	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C15 Depth (m): 35.20

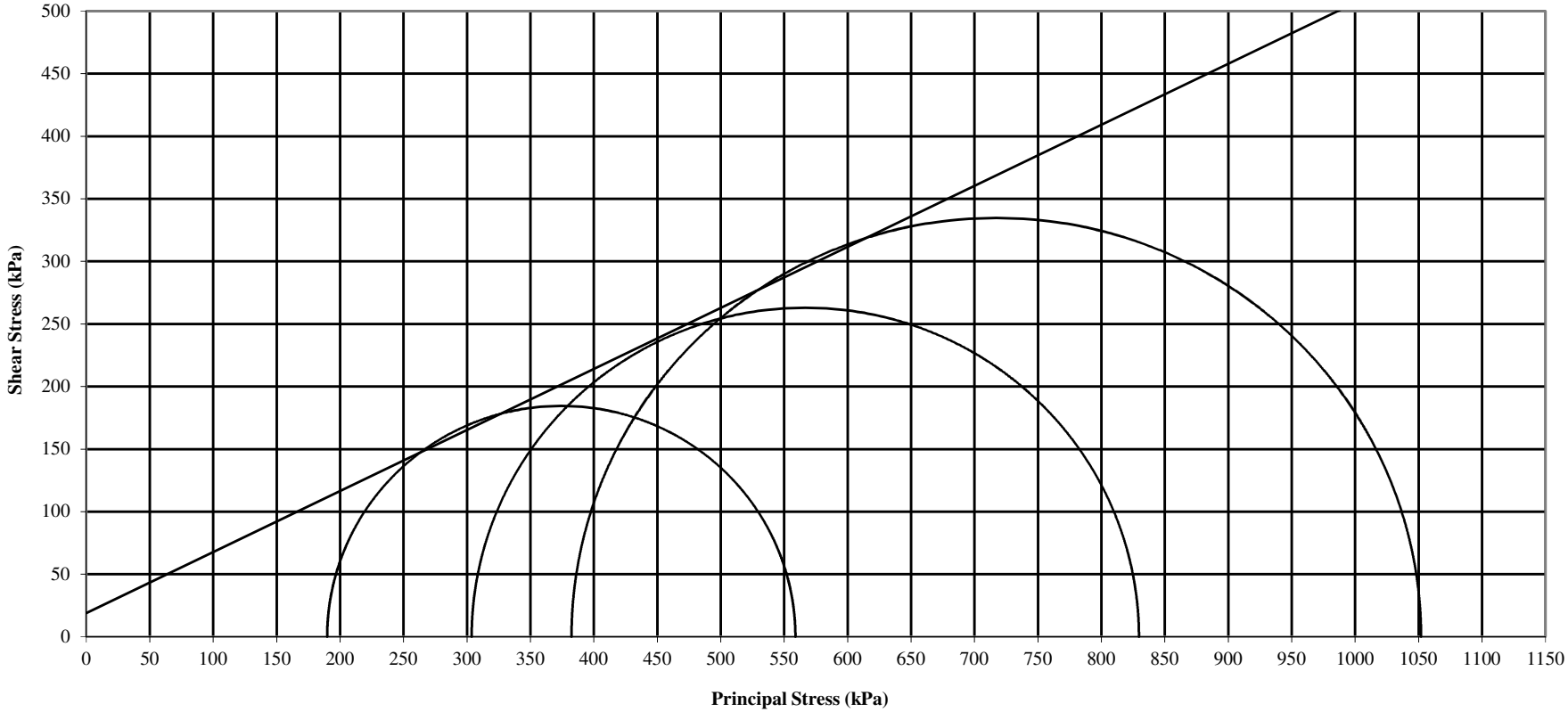


	C'	0	ϕ'	35.3	Job No 734318
	Contract	Sizewell C			Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C18 Depth (m): 47.44

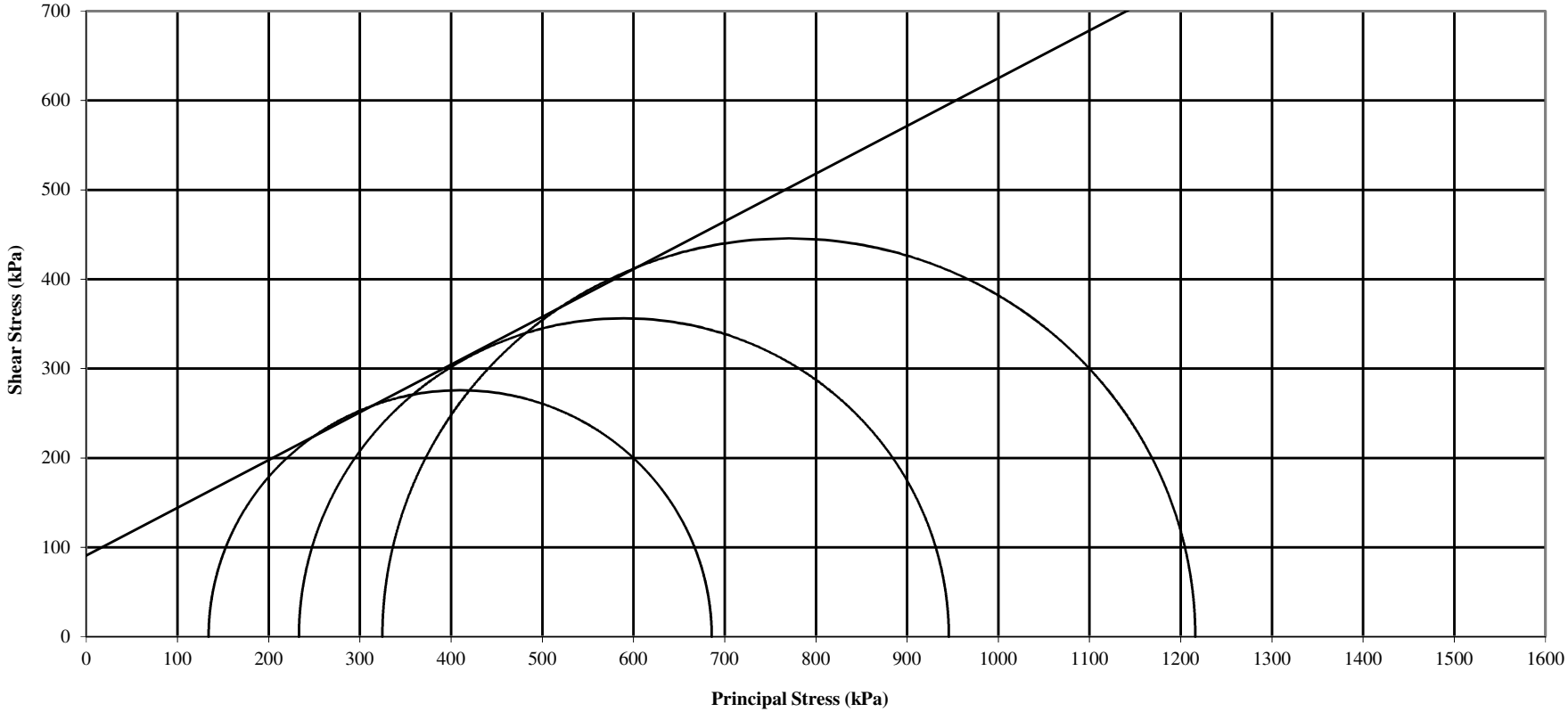


	C'	19	ϕ'	26	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C20 Depth (m): 50.20

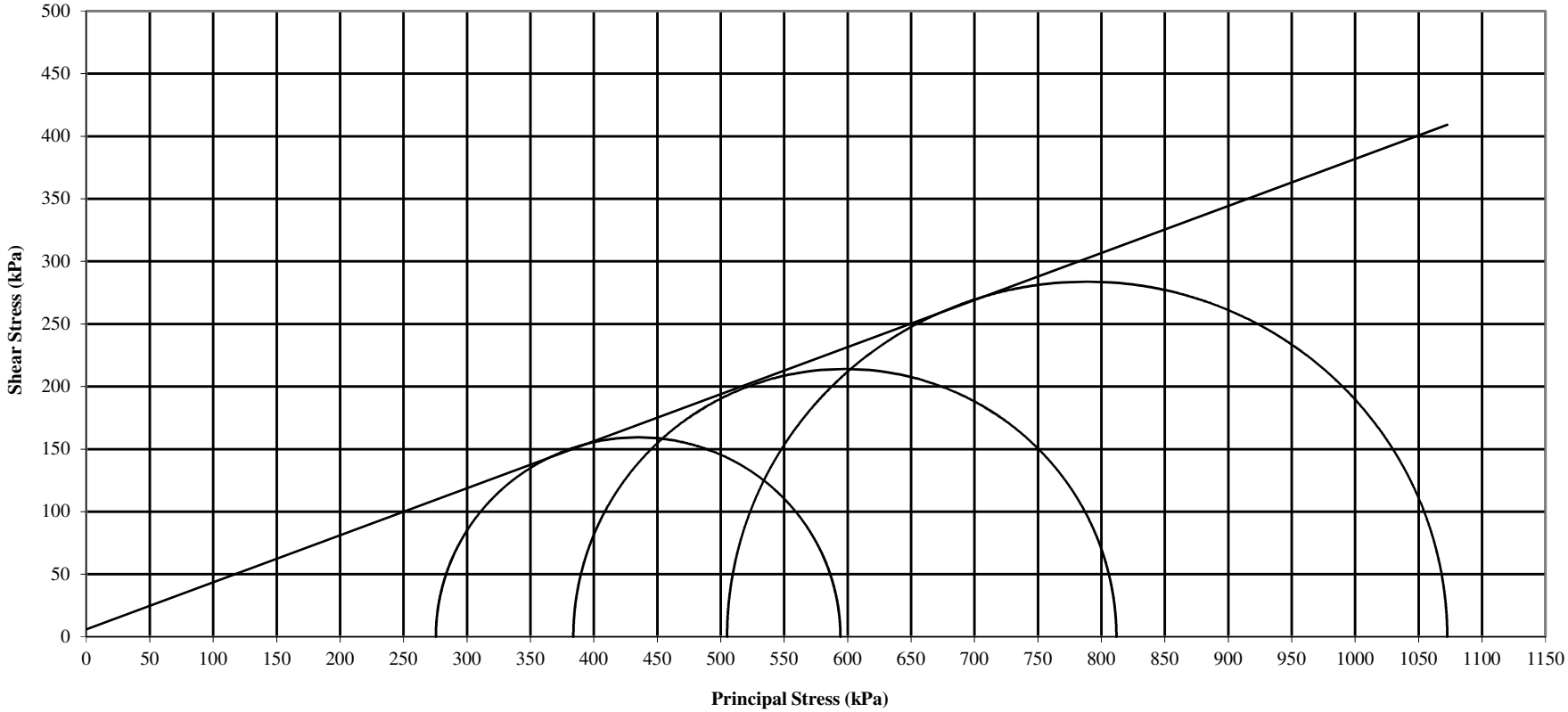


	C'	91	ϕ'	28.1	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C25 Depth (m): 55.22

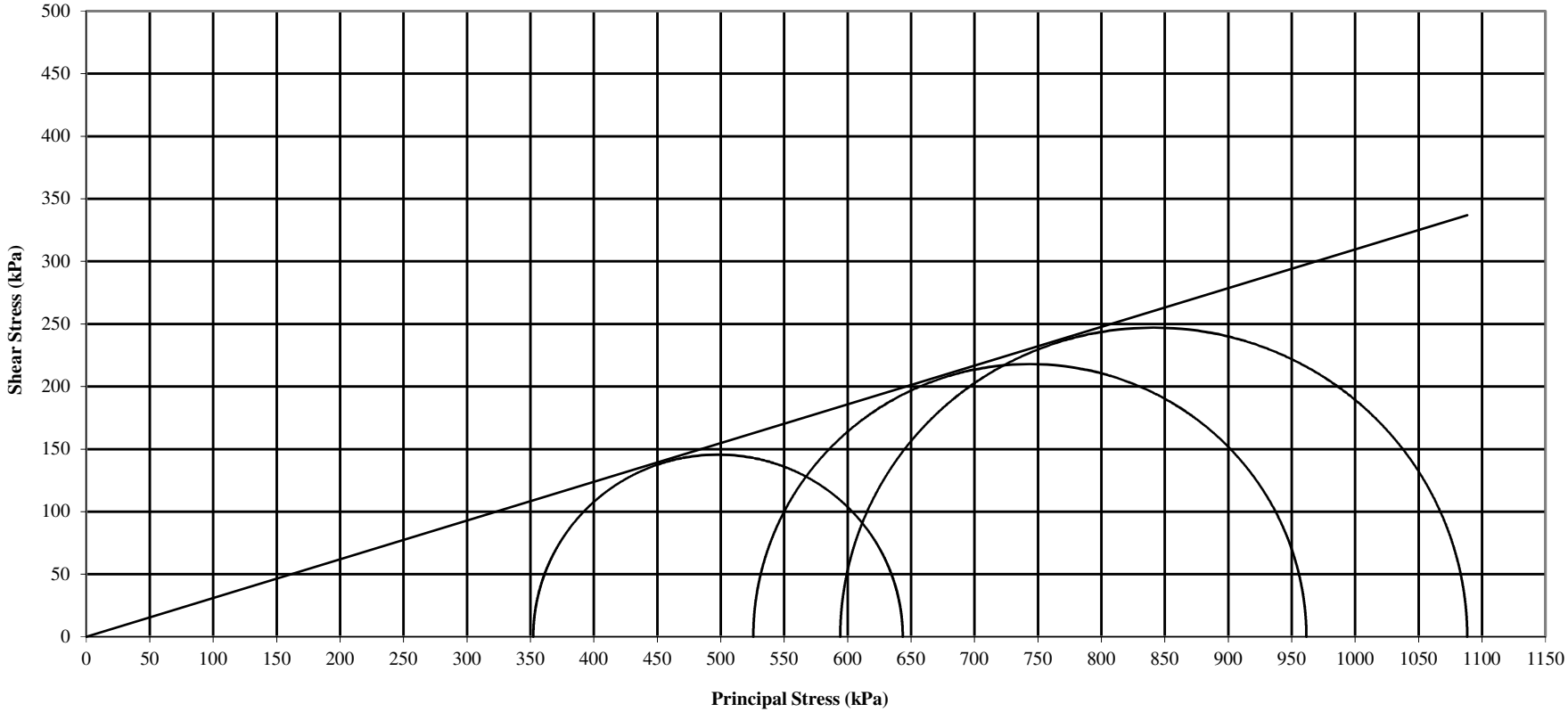


	C'	6	ϕ'	20.6	Job No 734318
	Contract	Sizewell C			Figure
					Page

CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C31 Depth (m): 66.61

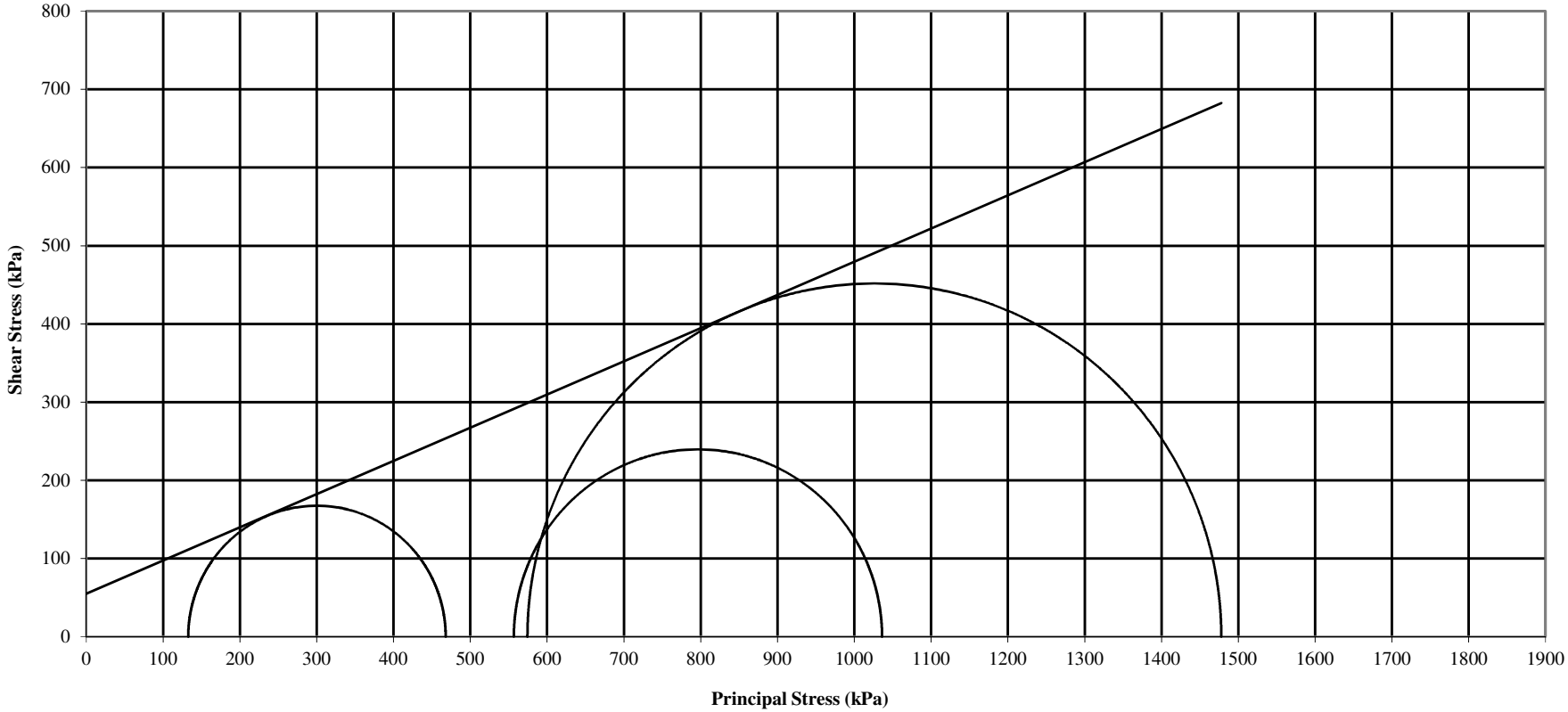


	C'	0	ϕ'	17.2	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C37 Depth (m): 71.45-71.53

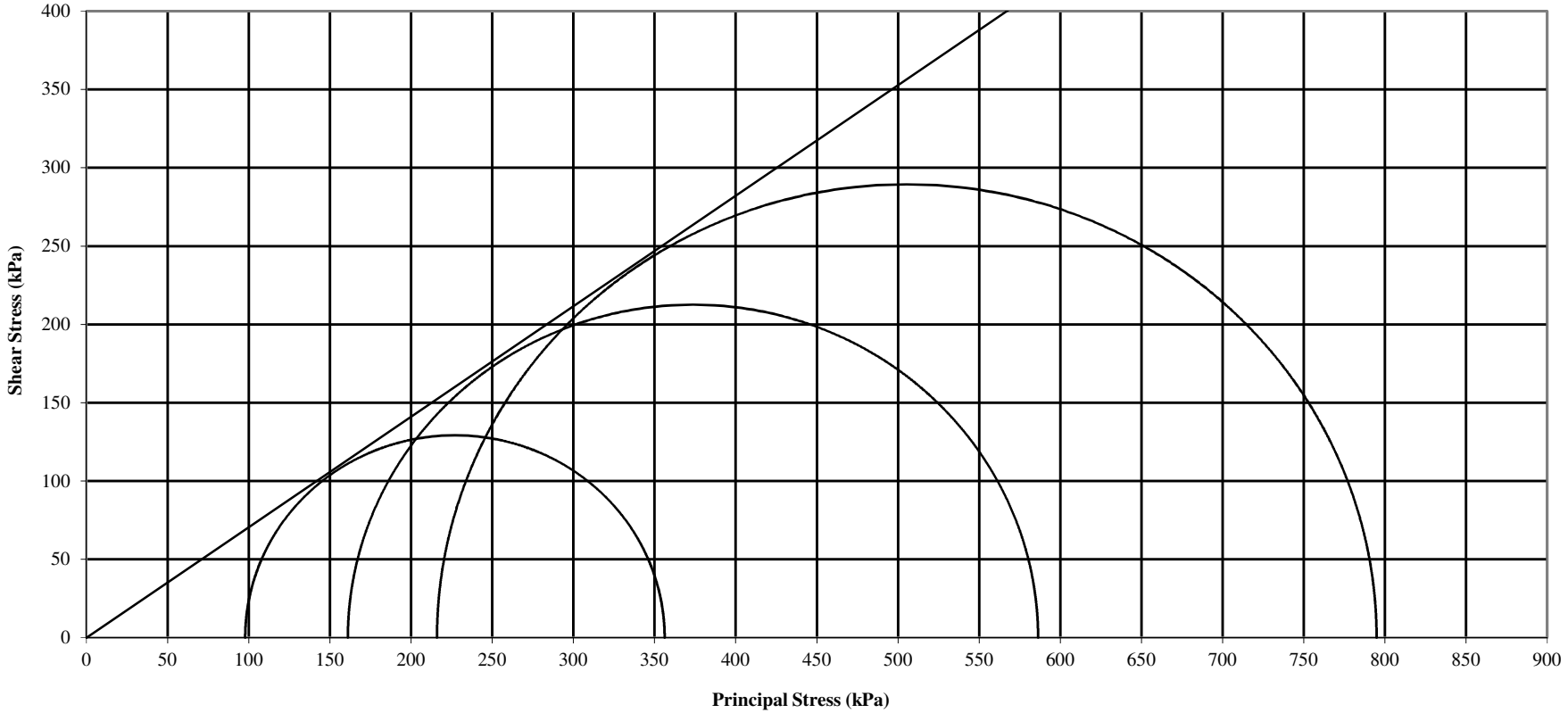


	C'	55	ϕ'	23	Job No 734318
	Contract Sizewell C				Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_7 Sample Number: C3 Depth (m): 19.00

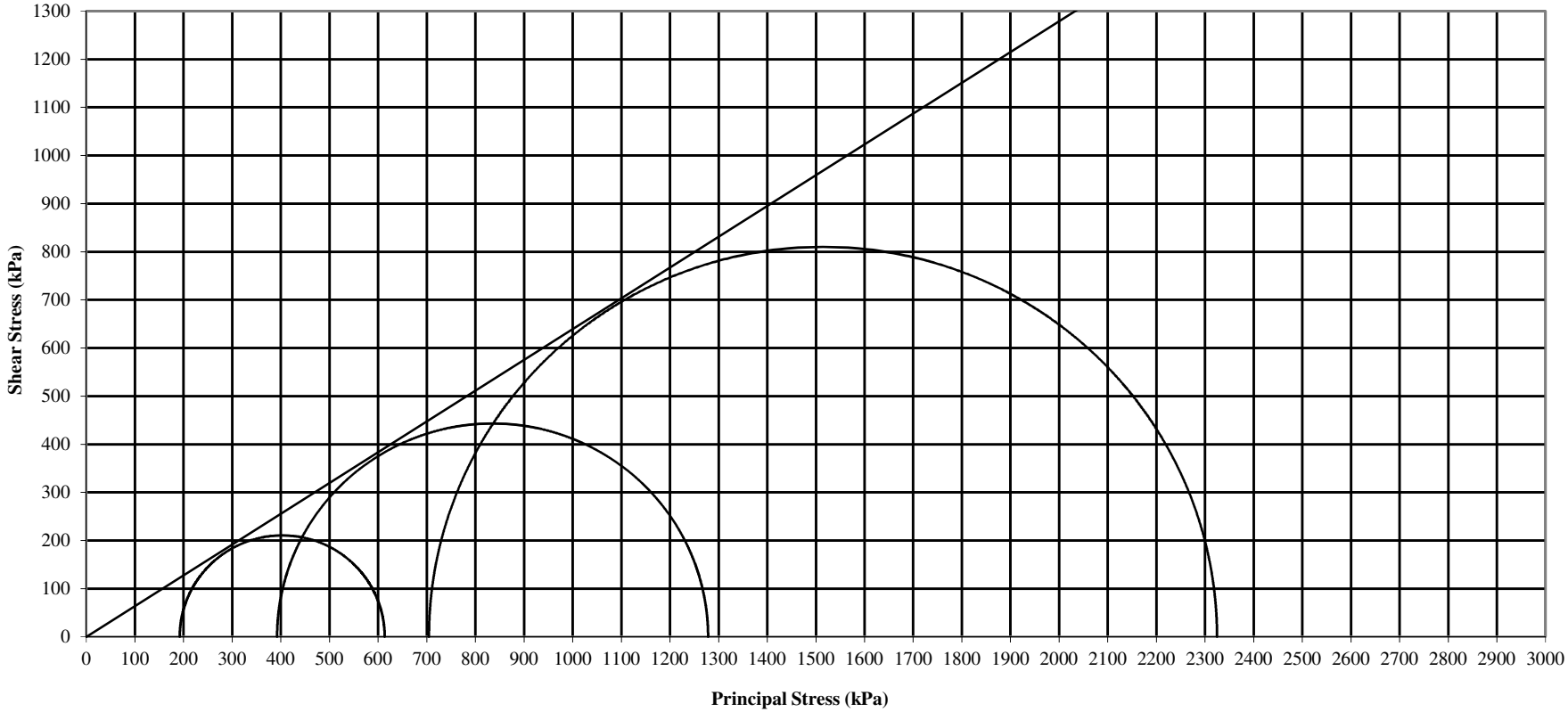


	C'	0	ϕ'	35.2	Job No 734318
	Contract	Sizewell C			Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_7 Sample Number: C10 Depth (m): 27.75-28.75

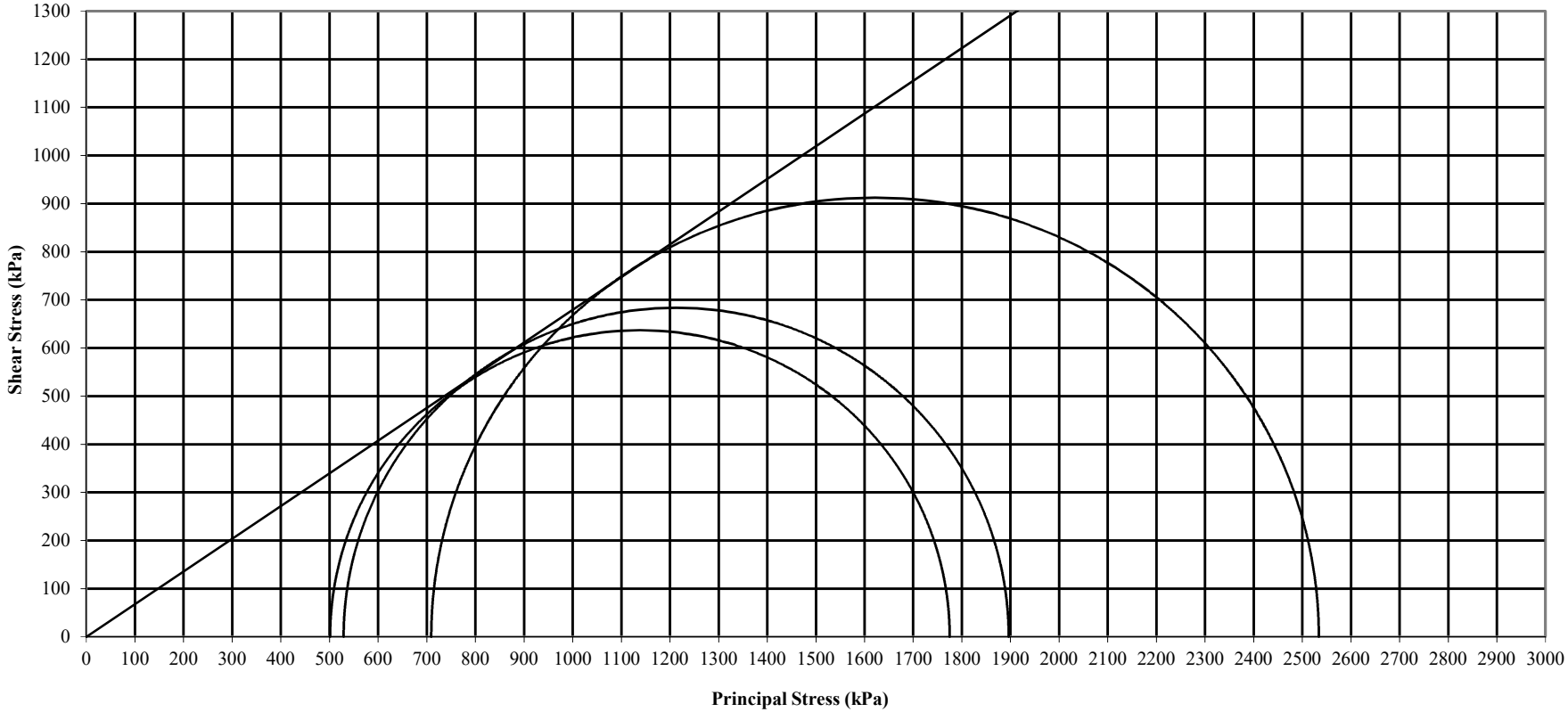


	C'	0	ϕ'	32.6	Job No 734318
	Contract	Sizewell C			Figure
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CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_7 Sample Number: C12 Depth (m): 30.42 - 31.42

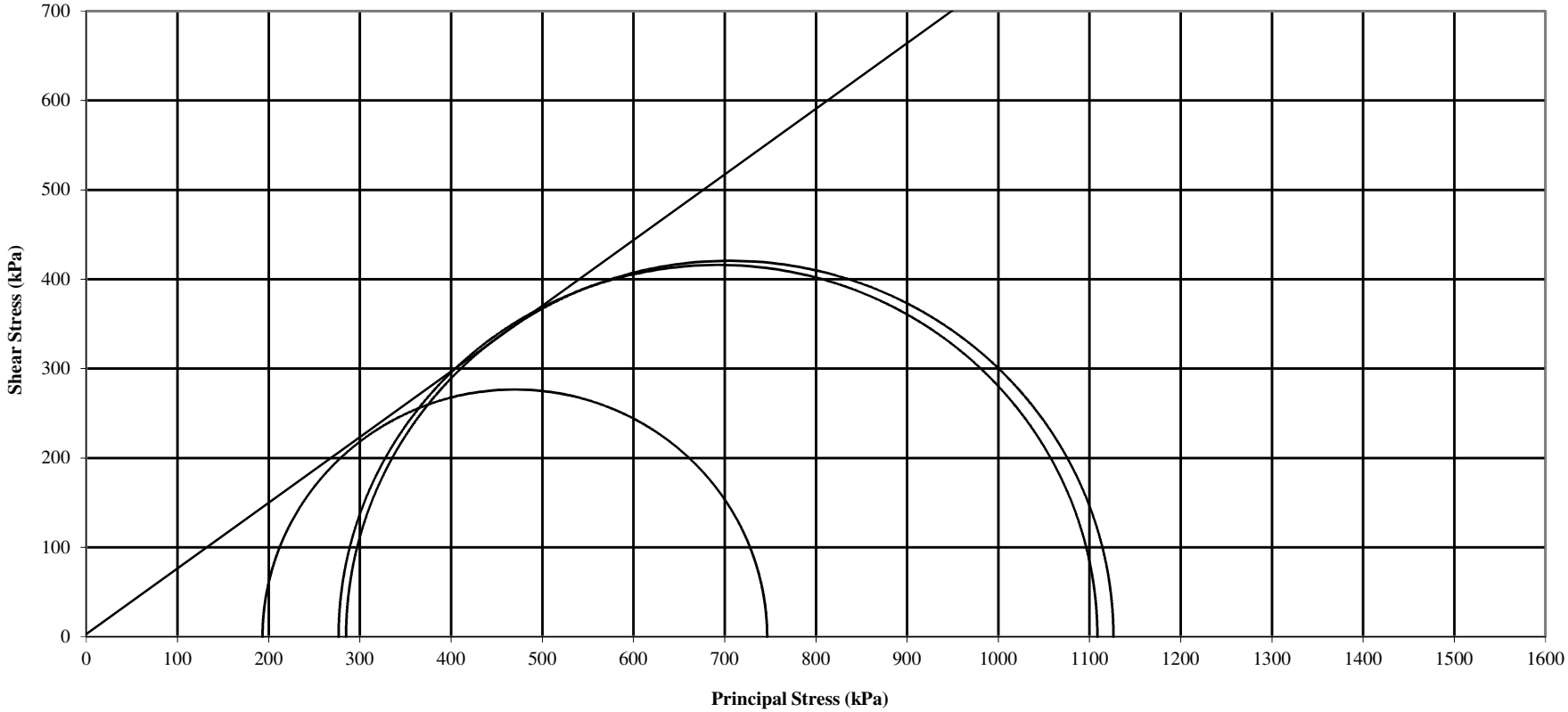


	C'	0	ϕ'	34.2	Job No 734318
	Contract	Sizewell C			Figure
					Page

CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_6 Sample Number: C20 Depth (m): 50.20

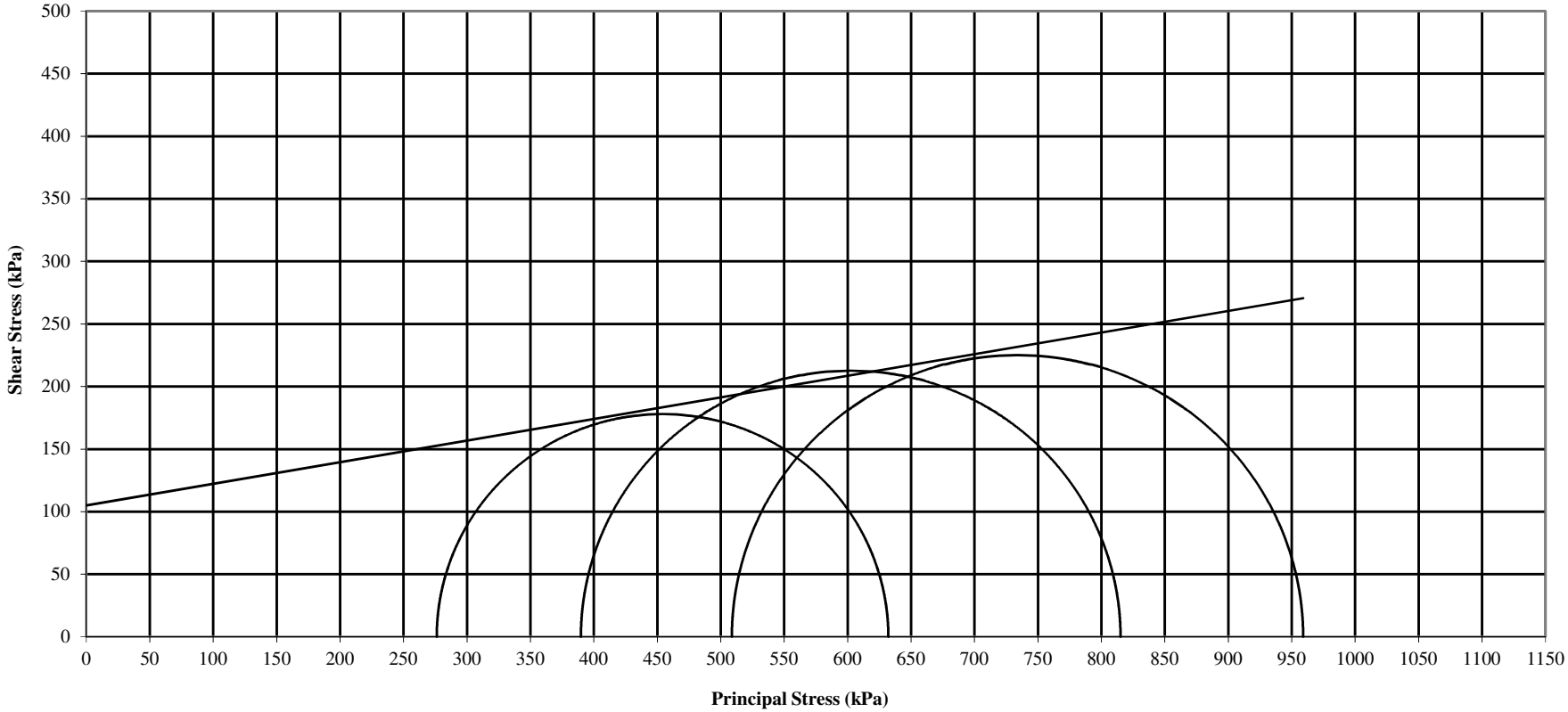


	C'	3	ϕ'	36.3	Job No 734318
	Contract Sizewell C				Figure
					Page

CONSOLIDATED UNDRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_7 Sample Number: C26 Depth (m): 56.28 - 56.36

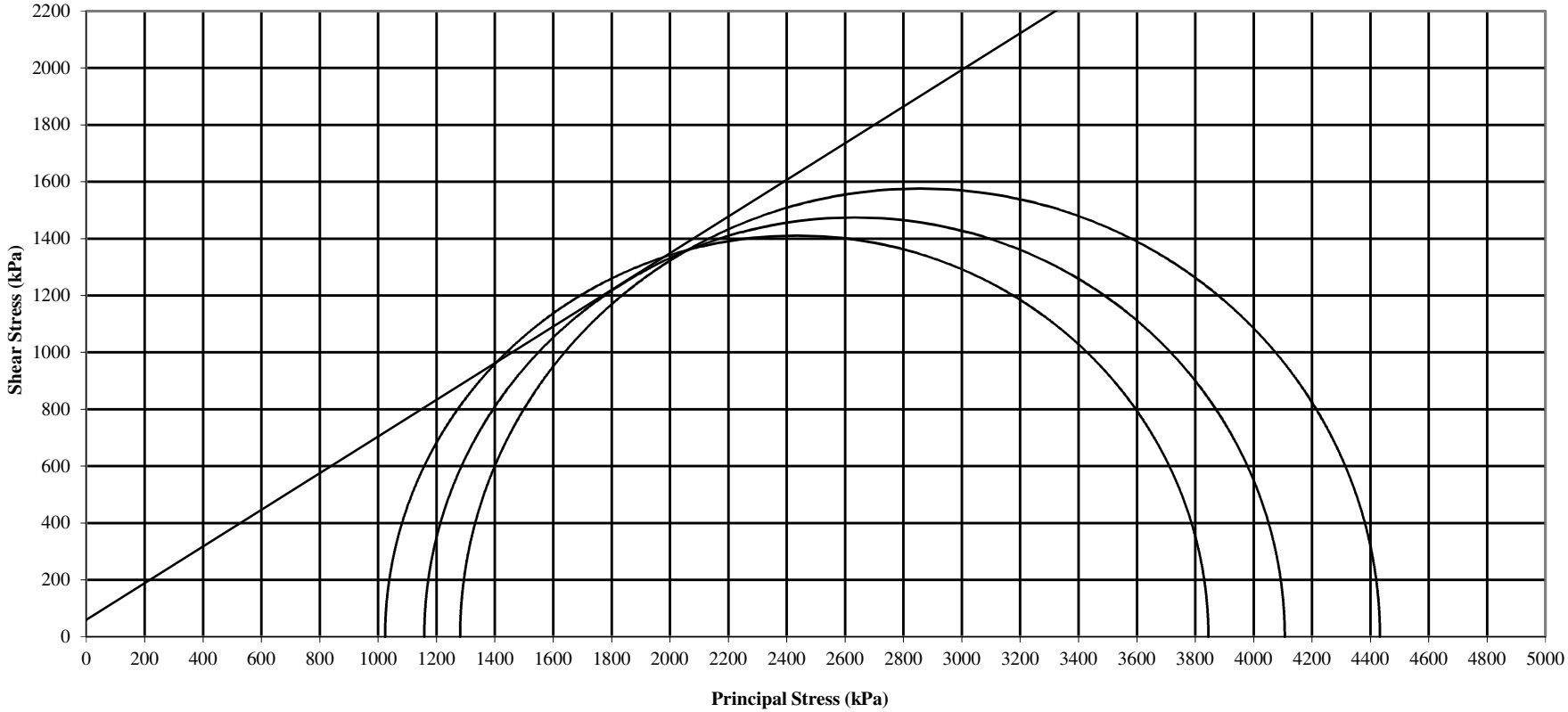


	C'	105	ϕ'	9.8	Job No 734318
	Contract Sizewell C				Figure
					Page

CONSOLIDATED DRAINED TRIAXIAL TEST - MOHR CIRCLES

In accordance with BS1377:Part 8:1990 and K H Head *Manual of Soils Laboratory Testing* Vol 3

Borehole DCBH2019_7 Sample Number: C36 Depth (m): 64.20



	C'	60	ϕ'	32.8	Job No 734318
	Contract Sizewell C				Figure
					Page

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure (38mm)

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

CUMS

Specimen Preparation tick one option

Undisturbed ◯ Remoulded 2.5kg ◯ Remoulded 4.5kg ◯ Other ◯

Test Specimen No.	1
Cell No.	5

Preparation details

Pressures (kPa)

500 / 700 / 900 kPa

Only this first box transfers to report and AGS data

Specimen measurements

Dimensions, mm				Averages
Length	75.65	75.39	75.35	75.46
Diameter 38mm	37.91	37.80	38.20	37.78
	37.19	37.74	37.84	
Orientation	Vertical / Random			Vertical

Side Drains

Fitted ? ◯ YES ◯ NO

Type ? ◯ Vertical ◯ Spiral

Wet sample	166.49	g
Balance No.	L804	

Rubber Membrane (s)

No. of	2	
Total thickness	0.72	mm

Particle density, Mg/m3 will apply to all specimens

2.65	Assumed / Measured	Assumed

U38

Trimmings

Oven No.	L1034	
Drying Temperature (° C)	105	
Tin Number	B2	
Mass of tin	96.92	g
Mass of wet sample + tin	395.17	g
Mass of dry sample + tin (1)	332.67	g

After test (final)

Wet sample	162.10	g
Balance No.	L804	

Whole specimen

Oven No.	L76	
Drying Temperature (° C)	105	
Tin Number	D26	
Mass of tin	99.29	g
Mass of wet sample + tin	260.97	g
Mass of dry sample + tin	227.77	g

Duration of test (days)	1	2	3	Tot.
Saturation	5	4	6	15
Consolidation	6	1	1	8
Shearing	2	1	1	4
Total	27			
Extra-overs	23			

Temperature of Testing Room: (Allowable temperature range: 20 ± 2oC.

Start **End**

Mode of failure



Compound

General Remarks for whole test

fixed: Deviator stresses corrected for area change, and up to 0.72 mm thick rubber membrane

variable:

Prepared By	PH	Date	11/03/2020
Tested By	PH	Date	16/04/2020

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Method

- ◯ Increments of cell and back pressure
- ◯ Increments of cell pressure only
- ◯ Other, please give details here -----v

Saturation Stage

Saturation Start Date	23/03/2020

Pressure increments	50	kPa
Pressure differential	10	kPa

Cell Pressure (kPa)	Back Pressure (kPa)	Pore Pressure (kPa)		Volume Change (ml)			Saturation Dates	
		Value (kPa)	B Value	Volume Change Raeding (V1)	Volume Change Raeding (V2)	Diff. intake=+ve	Started (dd/mm)	Finished (dd/mm)
0	0	2.4	-				23/03	23/03
50	0	21.1	0.37				23/03	23/03
50	40	42.3	-	42.90	42.83	0.07	23/03	23/03
100	0	59.5	0.34				23/03	23/03
100	90	95.9	-	43.14	43.02	0.12	23/03	24/03
150	0	114.8	0.38				24/03	24/03
150	140	137.4	-	43.41	43.69	0.28	24/03	25/03
200	0	160.4	0.46				25/03	25/03
200	190	177.5	-	44.18	44.69	0.51	25/03	26/03
250	0	212.7	0.70				26/03	26/03
250	240	227.1	-	45.14	45.76	0.62	26/03	27/03
300	0	271.4	0.89				27/03	27/03
300	290	282.4	-	46.26	47.27	1.01	27/03	30/03
310	0	291.9	0.95				30/03	30/03
310	300	292	-	47.39	47.42	0.03	30/03	30/03
320	0	301	0.90				30/03	30/03
320	310	302.6	-	47.50	47.82	0.32	30/03	31/03
330	0	312.3	0.97				31/03	31/03
330	320	312.4	-	47.93	47.99	0.06	31/03	31/03
340	0	321.9	0.95				31/03	31/03
820	0	790.7	0.98				31/03	01/04

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Consolidation Data Test Specimen No. **1**

Required Effective Pressure	σ3'	500	kPa
Cell Pressure applied	σ3	820	kPa
Back Pressure applied	U0	320	kPa
Pore pressure after build up	U1	790.7	kPa

Consol1 Start date 01/04/2020

Drainage conditons

- ◯ from one end only
- ◯ from both ends
- ◯ from radial boundary and one end
- ◯ from radial boundary and both ends

Use second data sheet if necessary but restrict input to 1

Elapsed time (mins)	Volume Change Reading (ml)	Pore pressure Reading, U kPa
0	7.12	790.7
0.25	7.37	789
0.5	7.47	788.4
1	7.65	787.9
2.25	8.07	786.9
4	8.39	782.4
9	9.27	780
12.25	9.88	779
16	10.48	778.1
25	11.65	777.5
36	12.74	776.3
64	14.99	775.8
120	17.56	774.2
240	21.20	770.9
360	23.12	763
480	25.00	725
1440	34.59	620.2
2880	39.91	453.8
7200	43.20	373.6
8640	43.50	340

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Shear data Test Specimen No. **1**

Shear1 Start date	14/04/2020
Cell Number	5

Failure Criterion ◯ Maximum stress ratio ◯ Maximum deviator stress

Proving ring number	12489	
Load ring factor	1.779	N/div
Machine number	L1800	
Height at start of shear (LC)	64.65	mm
Area at start of shear (AC)	799.63	mm
Volume at start of shear (VC)	48.22	mm
Nominal effective stress (σ3')	500	kPa
Cell Pressure	820	kPa
Initial PWP	340	kPa
Machine Speed	0.00249	mm/min

Strain reading (1 mm/div)	Load Reading divs*	Pore water pressure	New Load factor* N/div
0	0	340	
0.1	19	376.1	
0.2	38	390.2	
0.3	65	415.3	
0.4	84	439.3	
0.5	99	456.3	
0.6	111	468.7	
0.7	122	476.8	
0.8	130	483	
0.9	138	492.5	
1	145	498	
1.1	151	503.6	
1.2	157	508.9	
1.3	163	512.3	
1.4	169	515	
1.5	174	517.1	
1.6	178	518	
1.7	183	518.9	
1.8	188	519.7	
1.9	191	520.9	
2	195	520.5	
2.1	198	520	
2.2	201	519.9	
2.3	203	519.5	
2.4	208	519.3	
2.5	211	519.2	
2.6	214	519	
2.7	216	518.9	
2.8	219	518.8	
2.9	221	518.7	
3	223	518.5	
	226	518.4	

* new load factor only required if changed

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Specimen Preparation Lab use only

Undisturbed Remoulded Recompacted Other

Test Specimen No.	2
Cell No.	5

Preparation notes

see Test specimen 1

Pressures (kPa)

500 / 700 / 900 kPa

Specimen measurements

Dimensions, mm				Averages
Length	75.91	75.99	75.91	75.94
Diameter 38mm	37.79	37.91	37.78	37.98
	37.99	38.30	38.09	
Orientation	Vertical / Random			Vertical

Side Drains

Fitted ? ◯ YES ◯ NO

Type ? ◯ Vertical ◯ Spiral

Wet sample	166.69	g
Balance No.	L804	

Rubber Membrane (s)

No. of	2	
Total thickness	0.68	mm

U38

Trimmings

Oven No.	L1034	
Drying Temperature (° C)	105	
Tin Number	B2	
Mass of tin	96.92	g
Mass of wet sample + tin	395.17	g
Mass of dry sample + tin (1)	332.67	g

Mode of failure



Compound

After test

Wet sample	1626.70	g
Balance No.	L804	

Whole specimen

Oven No.	L776	
Drying Temperature (° C)	105	
Tin Number	F12	
Mass of tin	93.03	g
Mass of wet sample + tin	255.68	g
Mass of dry sample + tin (1)	221.46	g

Prepared By	PH	Date	11/03/2020
Tested By	PH	Date	24/03/2020

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Method

- ◯ Increments of cell and back pressure
- ◯ Increments of cell pressure only
- ◯ Other, please give details here -----v

Saturation Stage

Saturation Start Date	11/03/2020

Pressure increments	50	kPa
Pressure differential	10	kPa

Cell Pressure (kPa)	Back Pressure (kPa)	Pore Pressure (kPa)		Volume Change (ml)			Saturation Dates	
		Value (kPa)	B Value	Volume Change Reading (V1)	Volume Change Reading (V2)	Diff. intake=+ve	Started (dd/mm)	Finished (dd/mm)
0	0	2.9	-				11/03	11/03
50	0	22.1	0.38				11/03	11/03
50	40	28	-	54.28	54.70	0.42	11/03	11/03
100	0	61.9	0.68				11/03	11/03
100	90	85.1	-	52.54	53.94	1.40	11/03	12/03
150	0	127.4	0.85				12/03	12/03
150	140	133.1	-	52.12	52.29	0.17	12/03	12/03
200	0	175.4	0.85				12/03	12/03
200	190	184.5	-	51.58	51.89	0.31	12/03	13/03
250	0	229	0.89				12/03	13/03
250	240	235.5	-	50.82	51.32	0.50	12/03	13/03
300	0	282	0.93				13/03	13/03
300	290	286.3	-	50.40	50.54	0.14	13/03	14/03
350	0	333.9	0.95				14/03	14/03
350	340	333.6	-	49.14	49.78	0.64	14/03	16/03
400	0	382.3	0.97				16/03	17/03
1040	0	1017.4	0.99				18/03	19/03

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Consolidation Data Test Specimen No. **2**

Required Effective Pressure	σ3'	700	kPa
Cell Pressure applied	σ3	1040	kPa
Back Pressure applied	U0	340	kPa
Pore pressure after build up	U1	1017.4	kPa

Consol2 Start date: 19/03/2020

Drainage conditions

- ◯ from one end only
- ◯ from both ends
- ◯ from radial boundary and one end
- ◯ from radial boundary and both ends

Use second data sheet if necessary but restrict input to 1

Elapsed time (mins)	Volume Change Reading (ml)	Pore pressure Reading, U kPa
0	2.74	1017.4
0.25	3.12	1016.2
0.5	3.23	1015.5
1	3.36	1012.2
2.25	3.59	1006.9
4	3.81	1001
9	4.24	988.6
12.25	4.46	981.7
16	4.66	975.4
25	5.11	961.5
36	5.56	946.2
64	6.49	911
120	7.75	849.6
240	9.00	720.5
360	9.90	646.3
480	10.31	574.9
1440	11.00	373.8

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Shear data Test Specimen No. **2**

Shear2 Start date	23/03/2020
Cell Number	5

Proving ring number	2249	
Load Cell / Load ring factor	4.0238	N/div
Machine number	L1624	
Height at start of shear (LC)	75.94	mm
Area at start of shear (AC)	1132.72	mm
Volume at start of shear (VC)	86.02	mm
Nominal effective stress (σ3')	700	kPa
Cell Pressure	1040	kPa
Initial PWP	349	kPa
Machine Speed	0.01271	mm/min

Strain reading (1 mm/div)	Load Reading divs*	Pore water pressure	New Load factor* N/div
0	0	349	
0.1	22	377.4	
0.2	33	390.5	
0.3	52	422.3	
0.4	64	448.8	
0.5	74	471.4	
0.6	83	492.4	
0.7	91	510	
0.8	97	524.5	
0.9	104	538.3	
1	110	549.7	
1.1	114	560.4	
1.2	119	569.6	
1.3	124	577.8	
1.4	129	584.2	
1.5	133	590.4	
1.6	137	596.3	
1.7	140	600.9	
1.8	143	604.5	
1.9	146	608	
2	149	611	
2.1	151	613.5	
2.2	154	615	
2.3	156	617	
2.4	158	618.3	
2.5	160	619.4	
2.6	162	621.1	
2.7	164	622	
2.8	166	622.4	
2.9	167	622.2	
3	168	621.8	
	169	621.2	

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Specimen Preparation Lab use only

Undisturbed Remoulded Recompacted Other

Test Specimen No.	3
Cell No.	5

Preparation notes

see Test specimen 1

Pressures (kPa)

500 / 700 / 900 kPa

Specimen measurements

Dimensions, mm				Averages
Length	75.57	75.40	75.36	75.44
Diameter 38mm	37.94	37.64	37.68	37.74
	37.74	37.68	37.75	
Orientation	Vertical / Random			Vertical

Side Drains

Fitted ? ◯ YES ◯ NO

Type ? ◯ Vertical ◯ Spiral

Wet sample	172.00	g
Balance No.	L804	

Rubber Membrane (s)

No. of	2	
Total thickness	0.69	mm

U38

Trimmings

Oven No.	L1034	
Drying Temperature (° C)	105	
Tin Number	B2	
Mass of tin	96.92	g
Mass of wet sample + tin	395.17	g
Mass of dry sample + tin (1)	332.67	g

Mode of failure



Compound

After test

Wet sample	166.23	g
Balance No.	L804	

Whole specimen

Oven No.	L776	
Drying Temperature (° C)	105	
Tin Number	E10	
Mass of tin	92.48	g
Mass of wet sample + tin	258.67	g
Mass of dry sample + tin (1)	224.50	g

Prepared By	PH	Date	11/03/2020
Tested By	PH	Date	27/03/2020

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Method

- ◯ Increments of cell and back pressure
- ◯ Increments of cell pressure only
- ◯ Other, please give details here -----v

Saturation Stage

Saturation Start Date	11/03/2020

Pressure increments	50	kPa
Pressure differential	10	kPa

Cell Pressure (kPa)	Back Pressure (kPa)	Pore Pressure (kPa)		Volume Change (ml)			Saturation Dates	
		Value (kPa)	B Value	Volume Change Reading (V1)	Volume Change Reading (V2)	Diff. intake=+ve	Started (dd/mm)	Finished (dd/mm)
0	0	2	-				11/03	11/03
50	0	25.9	0.48				11/03	11/03
50	40	31.3	-	49.08	49.27	0.19	11/03	11/03
100	0	69.4	0.76				11/03	11/03
100	90	84.2	-	47.69	48.63	0.94	11/03	12/03
150	0	129.8	0.91				12/03	12/03
150	140	135.5	-	47.12	47.31	0.19	12/03	12/03
200	0	181	0.91				12/03	12/03
200	190	184.4	-	46.59	46.78	0.19	12/03	12/03
250	0	231.6	0.94				12/03	12/03
250	240	233.2	-	45.80	46.23	0.43	12/03	13/03
300	0	281.4	0.96				13/03	13/03
300	290	283.2	-	45.01	45.43	0.42	13/03	14/03
350	0	332.1	0.98				14/03	14/03
350	340	333	-	43.93	44.64	0.71	14/03	16/03
400	0	384.9	1.04				16/03	24/03
1240	0	1220.7	1.00				24/03	25/03

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Consolidation Data Test Specimen No. **3**

Required Effective Pressure	σ3'	900	kPa
Cell Pressure applied	σ3	1240	kPa
Back Pressure applied	U0	340	kPa
Pore pressure after build up	U1	1220.7	kPa

Consol3 Start date: 25/03/2020

Drainage Conditions
- ◯ from one end only
- ◯ from both ends
- ◯ from radial boundary and one end
- ◯ from radial boundary and both ends

Use second data sheet if necessary but restrict input to 1

Elapsed time (mins)	Volume Change Reading (ml)	Pore pressure Reading, U kPa
0	4.04	1220.7
0.25	4.38	1210.5
0.5	4.45	1208.5
1	4.57	1204.1
2.25	4.77	1199.1
4	5.10	1193.1
9	5.52	1180.4
12.25	5.79	1172.8
16	6.07	1163.1
25	6.64	1138.5
36	7.19	1107.5
64	8.40	998.9
120	9.26	887.4
240	10.26	686.2
360	10.68	570.4
480	10.88	492.1
1440	11.28	358.5

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Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C44
Depth m	67.14	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Shear data Test Specimen No. **3**

Shear3 Start date	26/03/2020
Cell Number	5

Proving ring number	2249	
Load ring factor	4.0238	N/div
Machine number	L1643	
Height at start of shear (LC)	75.44	mm
Area at start of shear (AC)	1118.55	mm
Volume at start of shear (VC)	84.39	mm
Nominal effective stress (σ3')	900	kPa
Cell Pressure	1240	kPa
Back Pressure / Initial PWP	358.5	kPa
Machine Speed	0.01270	mm/min

Strain reading (1 mm/div)	Load Reading divs*	Pore water pressure	New Load factor* N/div
0	0	358.5	
0.1	44	476.8	
0.2	65	531.2	
0.3	80	577.5	
0.4	93	612.4	
0.5	104	643.9	
0.6	113	664.9	
0.7	120	684.4	
0.8	126	699.5	
0.9	131	712.8	
1	136	724.6	
1.1	141	736.2	
1.2	145	745.3	
1.3	148	754.1	
1.4	151	760.5	
1.5	154	767.1	
1.6	157	773	
1.7	159	777.8	
1.8	161	781.7	
1.9	163	786.7	
2	165	789.9	
2.1	166	792.3	
2.2	167	794.2	
2.3	169	797	
2.4	170	799.4	
2.5	172	801.2	
2.6	173	802.7	
2.7	174	804.1	
2.8	175	805	
2.9	177	806.1	
3	178	806.7	
	179	807.4	

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure (38mm)

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.50	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

CUMS

Test Specimen No.	1
Cell No.	3

Specimen Preparation tick one option

Undisturbed ◯ Remoulded 2.5kg ◯ Remoulded 4.5kg ◯ Other ◯

Preparation details

Pressures (kPa)

500 / 700 / 900 kPa

Only this first box transfers to report and AGS data

Specimen measurements

Dimensions, mm				Averages
Length	75.71	75.62	75.76	75.70
Diameter 38mm	37.86	37.97	37.95	37.95
	37.87	38.14	37.91	
Orientation	Vertical / Random			Vertical

Side Drains

Fitted ? ◯ YES ◯ NO

Type ? ◯ Vertical ◯ Spiral

Wet sample	182.92	g
Balance No.	L804	

Rubber Membrane (s)

No. of	2	
Total thickness	0.70	mm

Particle density, Mg/m3 will apply to all specimens

2.65	Assumed / Measured	Assumed

U38

Trimmings

Oven No.	L1038	
Drying Temperature (° C)	105	
Tin Number	A3	
Mass of tin	93.81	g
Mass of wet sample + tin	375.88	g
Mass of dry sample + tin (1)	334.21	g

After test (final)

Wet sample	182.39	g
Balance No.	L804	

Duration of test (days)	1	2	3	Tot.
Saturation	5	6	6	17
Consolidation	6	6	5	17
Shearing	1	2	1	4
Total	38			
Extra-overs	34			

Whole specimen

Oven No.	L776	
Drying Temperature (° C)	105	
Tin Number	F18	
Mass of tin	93.98	g
Mass of wet sample + tin	276.34	g
Mass of dry sample + tin	249.71	g

Temperature of Testing Room: (Allowable temperature range: 20 ± 2oC.

Start

End

Mode of failure

NO IMAGE FOUND

Plastic

General Remarks for whole test

fixed: Deviator stresses corrected for area change, vertical side drains and up to 0.7 mm thick rubber membrane

variable:

Prepared By	PH	Date	11/03/2020
Tested By	PH	Date	09/04/2020

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Method

- ◯ Increments of cell and back pressure
- ◯ Increments of cell pressure only
- ◯ Other, please give details here -----v

Saturation Stage

Saturation Start Date	20/03/2020

Pressure increments	50	kPa
Pressure differential	10	kPa

Cell Pressure (kPa)	Back Pressure (kPa)	Pore Pressure (kPa)		Volume Change (ml)			Saturation Dates	
		Value (kPa)	B Value	Volume Change Raeding (V1)	Volume Change Raeding (V2)	Diff. intake=+ve	Started (dd/mm)	Finished (dd/mm)
0	0	0.1	-				23/03	23/03
50	0	24.2	0.48				23/03	23/03
50	40	31.6	-	51.70	51.80	0.10	23/03	23/03
100	0	60.1	0.57				23/03	23/03
100	90	82.9	-	52.75	53.93	1.18	23/03	24/03
150	0	114.6	0.63				24/03	24/03
150	140	135.3	-	54.76	56.00	1.24	24/03	25/03
200	0	174.7	0.79				25/03	25/03
200	190	183.6	-	56.72	57.40	0.68	25/03	26/03
250	0	225	0.83				26/03	26/03
250	240	233.7	-	58.06	58.66	0.60	26/03	27/03
300	0	277.2	0.87				27/03	27/03
300	290	282.7	-	59.33	60.28	0.95	27/06	30/03
310	0	292.2	0.95				30/03	30/03
310	300	293	-	60.34	60.46	0.12	30/03	30/03
320	0	302	0.90				30/03	30/03
320	310	303.9	-	60.60	60.94	0.34	30/03	31/03
330	0	313.4	0.95				31/03	31/03
330	320	313.7	-	61.10	61.17	0.07	31/03	31/03
340	0	323.2	0.95				31/03	31/03
820	0	789.3	0.97				31/03	01/04

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Consolidation Data Test Specimen No. **1**

Required Effective Pressure	σ3'	500	kPa
Cell Pressure applied	σ3	820	kPa
Back Pressure applied	U0	320	kPa
Pore pressure after build up	U1	789.3	kPa

Consol1 Start date 01/04/2020

Drainage conditons

- ◯ from one end only
- ◯ from both ends
- ◯ from radial boundary and one end
- ◯ from radial boundary and both ends

Use second data sheet if necessary but restrict input to 1

Elapsed time (mins)	Volume Change Reading (ml)	Pore pressure Reading, U kPa
0	1.38	789.3
0.25	1.82	784.5
0.5	1.85	782.9
1	1.91	782
2.25	1.97	781.5
4	2.03	780.7
9	2.16	773.4
12.25	2.22	771
16	2.29	767.4
25	2.41	763.4
36	2.53	759.9
64	2.78	751.2
120	3.18	743.6
240	3.80	715.9
360	4.26	706.1
480		
1440	6.09	573
2880	6.70	464.7
7200	6.71	356.5
8640	6.72	342.9

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Shear data Test Specimen No. **1**

Shear1 Start date 07/04/2020

Cell Number 3

Failure Criterion ◯ Maximum stress ratio ◯ Maximum deviator stress

Proving ring number	12489	
Load ring factor	1.779	N/div
Machine number	L1800	
Height at start of shear (LC)	74.12	mm
Area at start of shear (AC)	1084.10	mm
Volume at start of shear (VC)	80.28	mm
Nominal effective stress (σ3')	500	kPa
Cell Pressure	820	kPa
Initial PWP	342.9	kPa
Machine Speed	0.00283	mm/min

Strain reading (1 mm/div)	Load Reading divs*	Pore water pressure	New Load factor* N/div
0	0	342.9	
0.1	27	350.2	
0.2	56	352.6	
0.3	73	354.3	
0.4	91	356.9	
0.5	109	359.9	
0.6	127	362.2	
0.7	138	367	
0.8	150	372.7	
0.9	162	383.1	
1	172	394	
1.1	182	403.2	
1.2	192	413	
1.3	202	422.1	
1.4	212	430.8	
1.5	221	438.5	
1.6	230	455.5	
1.7	237	460.9	
1.8	243	464.5	
1.9	248	468	
2	252	471.1	
2.1	256	473.5	
2.2	260	476.4	
2.3	263	478.5	
2.4	266	480.7	
2.5	268	482.6	
2.6	270	483.7	
2.7	272	485.2	
2.8	274	486	
2.9	276	487.2	
3	277	487.3	
	279	487.4	

* new load factor only required if changed

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Specimen Preparation Lab use only

Undisturbed Remoulded Recompacted Other

Test Specimen No.	2
Cell No.	3

Preparation notes

see Test specimen 1

Pressures (kPa)

500 / 700 / 900 kPa

Specimen measurements

Dimensions, mm				Averages
Length	75.31	75.45	75.69	75.48
Diameter 38mm	37.60	37.80	37.62	37.73
	37.79	37.75	37.83	
Orientation	Vertical / Random			

Side Drains

Fitted ? ◯ YES ◯ NO

Type ? ◯ Vertical ◯ Spiral

Wet sample	180.98	g
Balance No.	L310	

Rubber Membrane (s)

No. of	2	
Total thickness	0.69	mm

U38

Trimmings

Oven No.	L1034	
Drying Temperature (° C)	105	
Tin Number	A3	
Mass of tin	93.81	g
Mass of wet sample + tin	375.88	g
Mass of dry sample + tin (1)	334.21	g

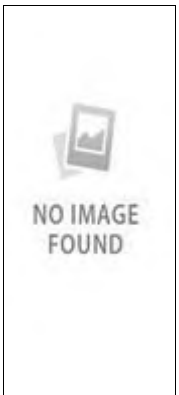
After test

Wet sample	180.88	g
Balance No.	L804	

Whole specimen

Oven No.	L776	
Drying Temperature (° C)	105	
Tin Number	B2	
Mass of tin	96.98	g
Mass of wet sample + tin	277.80	g
Mass of dry sample + tin (1)	250.47	g

Mode of failure



Plastic

Prepared By	PH	Date	12/03/2020
Tested By	PH	Date	09/07/2020

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Method

- ◯ Increments of cell and back pressure
- ◯ Increments of cell pressure only
- ◯ Other, please give details here -----v

Saturation Stage

Saturation Start Date	12/03/2020

Pressure increments	50	kPa
Pressure differential	10	kPa

Cell Pressure (kPa)	Back Pressure (kPa)	Pore Pressure (kPa)		Volume Change (ml)			Saturation Dates	
		Value (kPa)	B Value	Volume Change Reading (V1)	Volume Change Reading (V2)	Diff. intake=+ve	Started (dd/mm)	Finished (dd/mm)
0	130	1	-				12/03	12/03
50	0	16	0.30				12/03	12/03
50	40	15.8	-	40.46	40.60	0.14	12/03	12/03
100	0	33	0.34				12/03	12/03
100	90	83.8	-	38.08	40.19	2.11	12/03	12/03
150	0	110.4	0.53				12/03	12/03
150	140	134.3	-	36.04	37.87	1.83	12/03	13/03
200	0	173.8	0.79				13/03	13/03
200	190	183	-	35.18	35.81	0.63	13/03	14/03
250	0	225.4	0.85				14/03	14/03
250	240	234.2	-	34.12	34.95	0.83	14/03	16/03
300	0	280.1	0.92				16/03	16/03
300	290	282.6	-	33.56	33.89	0.33	16/03	17/03
350	0	329.3	0.93				17/03	17/03
350	340	329.1	-	32.96	33.29	0.33	17/03	18/03
400	0	381.1	1.04				18/03	18/03
400	390	381.2	-	31.30	32.72	1.42	18/03	23/03
450	0	428.8	0.95				23/03	27/03
1090	0	1044	0.96				27/03	31/03

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Consolidation Data Test Specimen No. **2**

Required Effective Pressure	σ3'	700	kPa
Cell Pressure applied	σ3	1090	kPa
Back Pressure applied	U0	390	kPa
Pore pressure after build up	U1	1044	kPa

Consol2 Start date: 31/03/2020

Drainage conditions

- ◯ from one end only
- ◯ from both ends
- ◯ from radial boundary and one end
- ◯ from radial boundary and both ends

Use second data sheet if necessary but restrict input to 1

Elapsed time (mins)	Volume Change Reading (ml)	Pore pressure Reading, U kPa
0	5.10	1044
0.25	5.27	1038.2
0.5	5.30	1033.9
1	5.34	1022.9
2.25	5.40	1008.1
4	5.48	994
9	5.62	978
12.25	5.70	970.7
16	5.78	963.4
25	5.94	953.4
36	6.09	944.3
64	6.40	928
120	6.88	906.2
240	7.57	870.6
360	8.05	838.8
480	8.40	801
1440	9.67	634
2880	10.08	517.2
4320	10.13	467.5
8640	10.15	422.1

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Shear data Test Specimen No. **2**

Shear2 Start date	07/04/2020
Cell Number	3

Proving ring number	10019	
Load Cell / Load ring factor	1.8172	N/div
Machine number	L1643	
Height at start of shear (LC)	75.48	mm
Area at start of shear (AC)	1118.15	mm
Volume at start of shear (VC)	84.40	mm
Nominal effective stress (σ3')	700	kPa
Cell Pressure	1090	kPa
Initial PWP	422.1	kPa
Machine Speed	0.00388	mm/min

Strain reading (1 mm/div)	Load Reading divs*	Pore water pressure	New Load factor* N/div
0	0	422.1	
0.1	31	444.1	
0.2	58	451.3	
0.3	95	470	
0.4	133	498.2	
0.5	156	528.7	
0.6	176	540.5	
0.7	192	556.6	
0.8	205	572.9	
0.9	218	587.9	
1	228	600.4	
1.1	236	611.9	
1.2	245	621.5	
1.3	254	630.7	
1.4	262	637.7	
1.5	268	644.3	
1.6	274	651.1	
1.7	281	656.8	
1.8	288	662	
1.9	294	669	
2	300	671.1	
2.1	306	673.7	
2.2	310	676.7	
2.3	314	679.6	
2.4	318	682.7	
2.5	322	683.8	
2.6	326	685.7	
2.7	329	687.2	
2.8	332	687.8	
2.9	336	689	
3	339	689.8	
	342	690	

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Specimen Preparation Lab use only

Undisturbed Remoulded Recompacted Other

Test Specimen No.	3
Cell No.	3

Preparation notes

see Test specimen 1

Pressures (kPa)

500 / 700 / 900 kPa

Specimen measurements

Dimensions, mm				Averages
Length	75.45	75.48	75.52	75.48
Diameter 38mm	37.86	37.80	37.74	37.76
	37.62	37.83	37.70	
Orientation	Vertical / Random			

Side Drains

Fitted ? ◯ YES ◯ NO

Type ? ◯ Vertical ◯ Spiral

Wet sample	182.51	g
Balance No.	L804	

Rubber Membrane (s)

No. of	2	
Total thickness	0.69	mm

U38

Trimmings

Oven No.	L1038	
Drying Temperature (° C)	105	
Tin Number	A3	
Mass of tin	93.81	g
Mass of wet sample + tin	375.88	g
Mass of dry sample + tin (1)	334.21	g

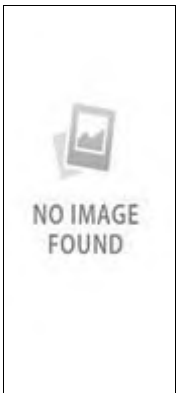
After test

Wet sample	181.74	g
Balance No.	L804	

Whole specimen

Oven No.	L776	
Drying Temperature (° C)	1405	
Tin Number	E12	
Mass of tin	93.57	g
Mass of wet sample + tin	275.30	g
Mass of dry sample + tin (1)	249.71	g

Mode of failure



Plastic

Prepared By	PH	Date	11/03/2020
Tested By	PH	Date	16/04/2020

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Method

- ◯ Increments of cell and back pressure
- ◯ Increments of cell pressure only
- ◯ Other, please give details here -----v

Saturation Stage

Saturation Start Date	12/03/2020

Pressure increments	50	kPa
Pressure differential	10	kPa

Cell Pressure (kPa)	Back Pressure (kPa)	Pore Pressure (kPa)		Volume Change (ml)			Saturation Dates	
		Value (kPa)	B Value	Volume Change Reading (V1)	Volume Change Reading (V2)	Diff. intake=+ve	Started (dd/mm)	Finished (dd/mm)
0	0	7.2	-				12/03	12/03
50	0	14.3	0.14				12/03	12/03
50	40	24.5	-	53.77	54.71	0.94	12/03	12/03
100	0	41	0.33				12/03	12/03
100	90	77.7	-	50.76	52.40	1.64	12/03	12/03
150	0	104.6	0.54				12/03	12/03
150	140	135.4	-	47.76	49.95	2.19	12/03	13/03
200	0	175.9	0.81				13/03	13/03
200	190	185.4	-	46.39	47.15	0.76	13/03	14/03
250	0	229.1	0.87				14/03	14/03
250	240	235.5	-	44.84	45.87	1.03	14/03	16/03
300	0	281.3	0.92				16/03	16/03
300	290	286.2	-	43.84	44.43	0.59	16/03	17/03
350	0	333.3	0.94				17/03	17/03
350	340	336.5	-	42.98	43.40	0.42	17/03	18/03
400	0	384	0.95				18/03	18/03
400	390	384.5	-	42.15	42.60	0.45	18/03	19/03
450	0	432.4	0.96				19/03	08/04
1290	0	1257	0.98				08/04	09/04

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Consolidation Data Test Specimen No. **3**

Required Effective Pressure	σ3'	900	kPa
Cell Pressure applied	σ3	1290	kPa
Back Pressure applied	U0	390	kPa
Pore pressure after build up	U1	1257	kPa

Consol3 Start date: 09/04/2020

Drainage Conditions
- ◯ from one end only
- ◯ from both ends
- ◯ from radial boundary and one end
- ◯ from radial boundary and both ends

Use second data sheet if necessary but restrict input to 1

Elapsed time (mins)	Volume Change Reading (ml)	Pore pressure Reading, U kPa
0	5.10	1257
0.25	5.47	1253.8
0.5	5.53	1249.5
1	5.62	1241.4
2.25	5.76	1224.9
4	5.88	1212.5
9	6.14	1191.5
12.25	6.27	1182.8
16	6.40	1175.9
25	6.66	1162.5
36	6.93	1151.5
64	7.40	1125.2
120	8.16	1099.7
240	9.16	1043
360	9.81	987
480	10.20	948.5
7200	11.58	425.3

IAN FARMER ASSOCIATES

Consolidated Undrained Triaxial Compression test with measurement of pore water pressure

Site Name	Sizewell C GI Phase 2 TO1	Job Ref	2280134
Borehole/Pit No.	DCBH2019_3	Sample	C48
Depth m	69.5	Test Method	BS1377 : Part 8 : 1990, clauses 1 to 7

Shear data Test Specimen No. **3**

Shear3 Start date	14/04/2020
Cell Number	3

Proving ring number	100019	
Load ring factor	1.8172	N/div
Machine number	L1643	
Height at start of shear (LC)	75.48	mm
Area at start of shear (AC)	1119.74	mm
Volume at start of shear (VC)	84.52	mm
Nominal effective stress (σ3')	900	kPa
Cell Pressure	1290	kPa
Back Pressure / Initial PWP	425.3	kPa
Machine Speed	0.00705	mm/min

Strain reading (1 mm/div)	Load Reading divs*	Pore water pressure	New Load factor* N/div
0	0	425.3	
0.1	47	481.1	
0.2	108	526.3	
0.3	175	591.2	
0.4	210	630.5	
0.5	242	658.3	
0.6	266	679.8	
0.7	289	703.4	
0.8	311	717.3	
0.9	330	726.3	
1	346	737.4	
1.1	359	743.5	
1.2	371	747.2	
1.3	381	749.1	
1.4	391	751.2	
1.5	401	753	
1.6	410	754.3	
1.7	418	755.4	
1.8	424	756.5	
1.9	430	757.2	
2	436	758	
2.1	441	758.2	
2.2	446	757.8	
2.3	451	757	
2.4	455	756.6	
2.5	459	755	
2.6	463	754.1	
2.7	466	752.9	
2.8	469	751.5	
2.9	472	750.1	
3	474	748.2	
	476	747	

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **CH2019_R2** Sample Ref : **28** Sample Type : **C** Depth (m) : **55.66**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Dark greyish brown CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.87**	**37.95**	**37.85**
Initial Height (mm)	**75.91**	**75.94**	**75.89**
Initial Mass (g)	**164.54**	**165.30**	**165.49**
Initial Moisture Content (%)	**33**	**32**	**32**
Initial Bulk Density (Mg/m^3)	**1.92**	**1.92**	**1.94**
Initial Dry Density (Mg/m^3)	**1.45**	**1.46**	**1.47**
Initial B-Value	**0.28**	**0.22**	**0.21**
Final Moisture Content (%)	**32**	**31**	**30**
Final Bulk Density (Mg/m^3)	**2.18**	**2.22**	**2.25**
Final Dry Density (Mg/m^3)	**1.65**	**1.70**	**1.73**
SATURATION			
Duration (days)	**4**	**4**	**4**
Final B-Value	**0.99**	**0.99**	**1.00**
CONSOLIDATION			
Duration (days)	**1**	**3**	**2**
Cell Pressure (kPa)	**740**	**940**	**1140**
Back Pressure (kPa)	**340**	**340**	**340**
Initial Volume (cm^3)	**85.506**	**85.872**	**85.401**
Final Volume (cm^3)	**75.016**	**73.732**	**72.631**
Change in Volume (cm^3)	**10.490**	**12.140**	**12.770**
COMPRESSION			
Duration (days)	**2**	**3**	**3**
Cell Pressure (kPa)	**740**	**940**	**1140**
Initial Porewater Pressure (kPa)	**346.2**	**367.3**	**363.7**
Strain Rate (mm/min)	**0.00253**	**0.00167**	**0.00167**
Axial Strain at Failure (%)	**5.62**	**5.40**	**8.15**
Time to Failure (h)	**27.0**	**39.0**	**58.6**
Deviator Stress at Failure (kPa)	**366.3**	**475.4**	**592.0**
Porewater Pressure at Failure (kPa)	**479.7**	**548.8**	**618.9**
Effective Major Principal Stress (kPa)	**625.7**	**865.6**	**1112.6**
Effective Minor Principal Stress (kPa)	**259.4**	**390.2**	**520.6**
Effective Principal Stress Ratio	**2.41**	**2.22**	**2.14**
Pore Pressure Coefficient - A_f	**0.36**	**0.38**	**0.43**

Effective Cohesion (kPa) : **50** Angle of Shear Resistance (degs) : **18**

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FRANCESCA BENNETT **28/05/20**

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

AGS

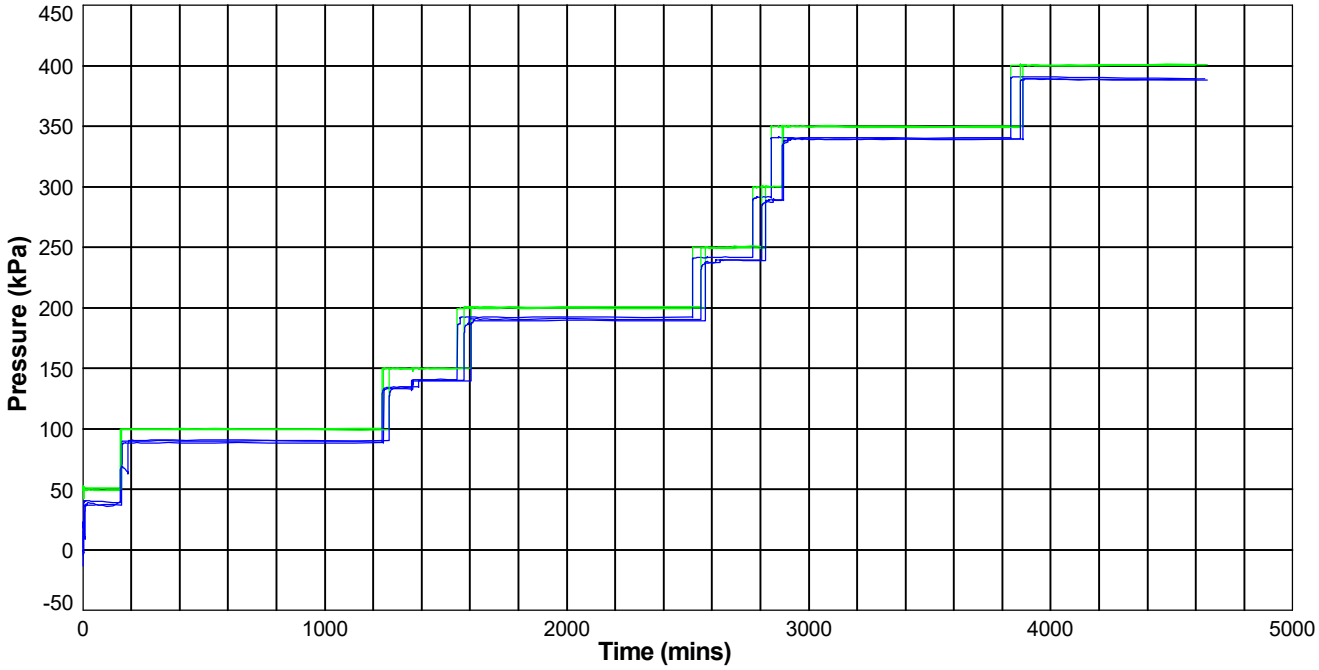
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

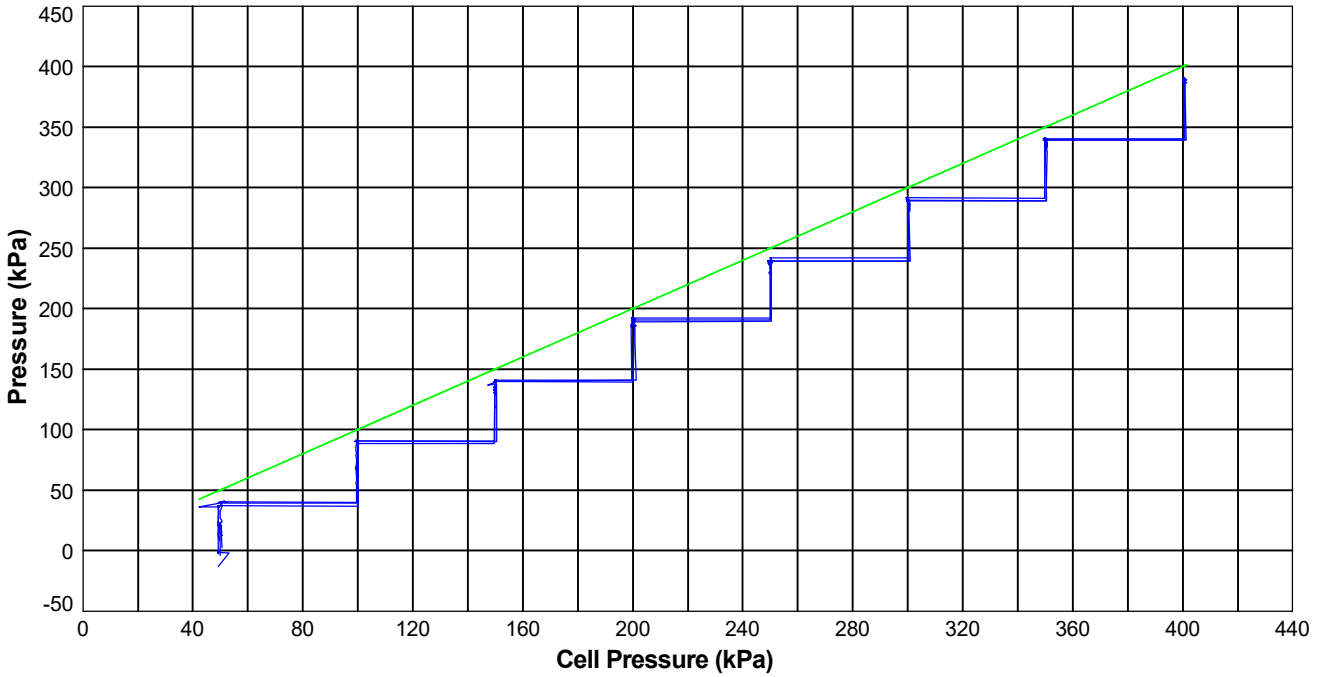
In accordance with BS EN ISO 17892 Part 9

Borehole : **CH2019_R2** Sample Ref : **28** Sample Type : **C** Depth (m) : **55.66**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

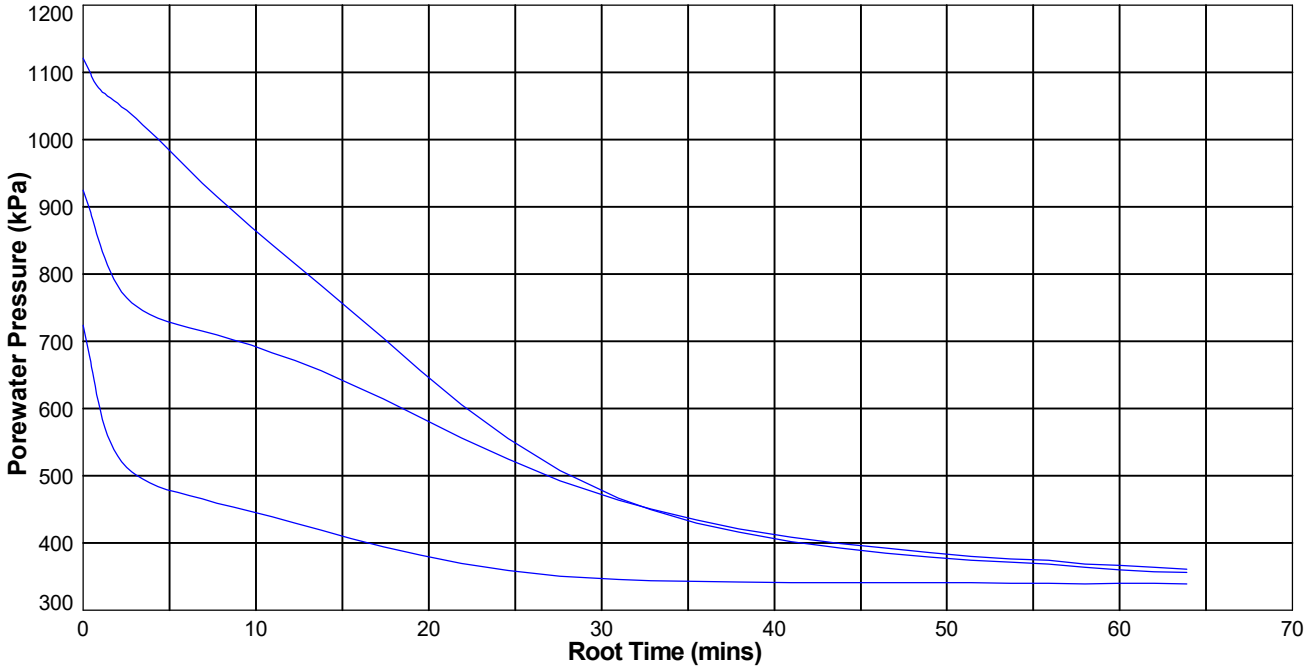
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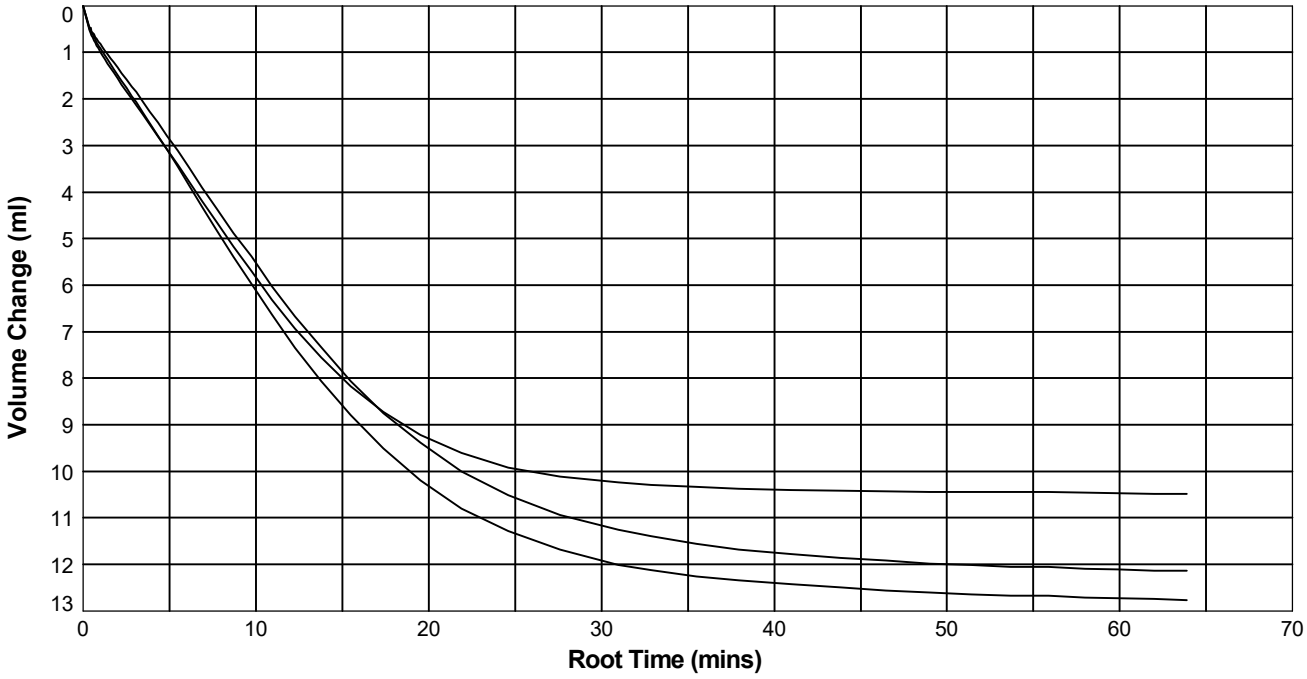
Borehole : **CH2019_R2** Sample Ref : **28** Sample Type : **C** Depth (m) : **55.66**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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Contract Ref: 734318

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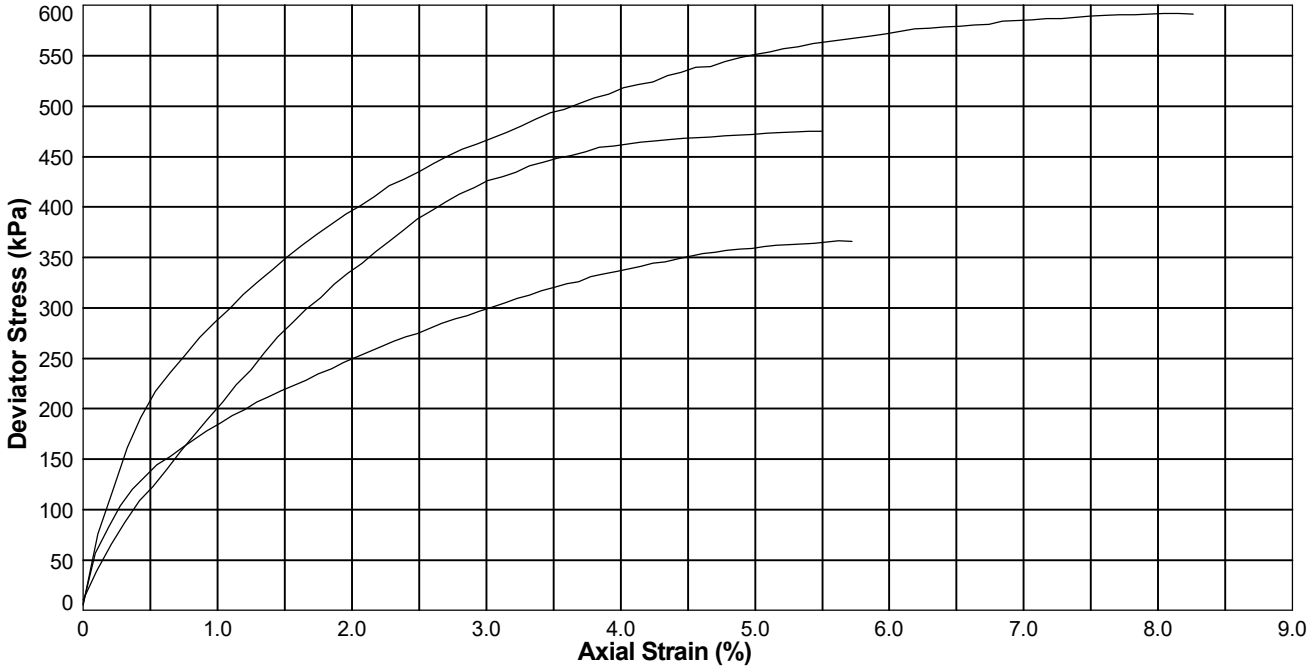
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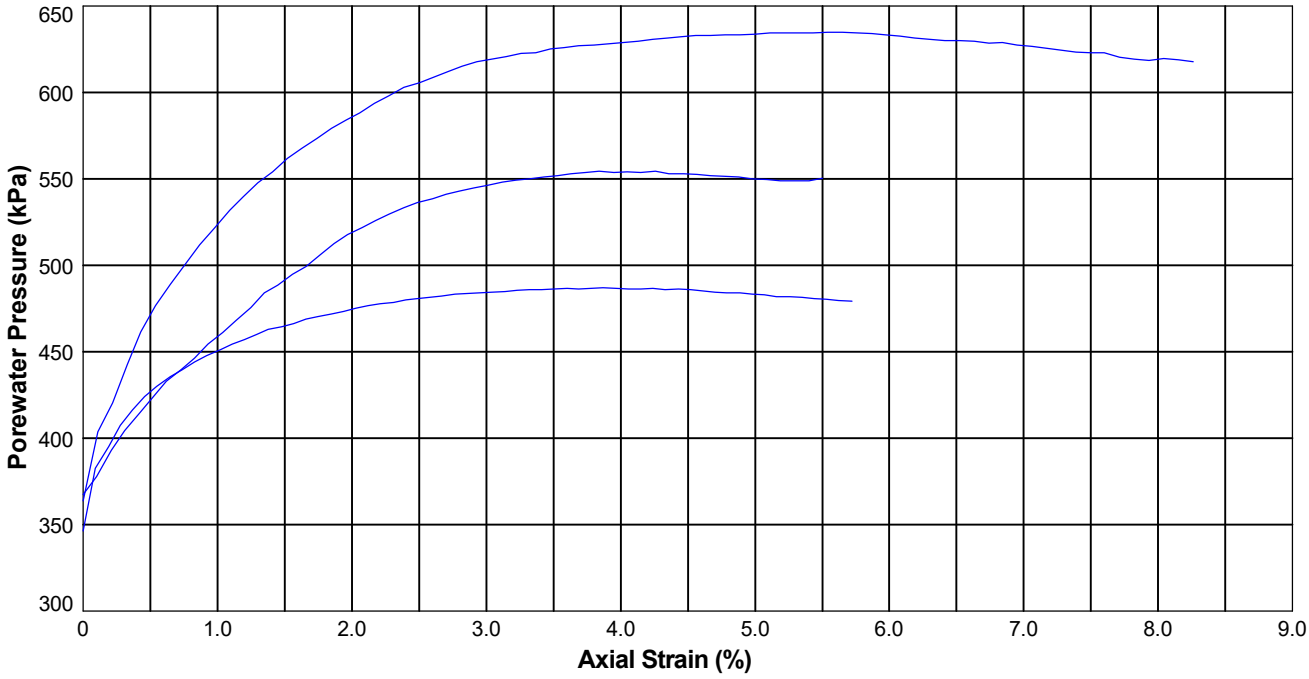
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Borehole : **CH2019_R2** Sample Ref : **28** Sample Type : **C** Depth (m) : **55.66**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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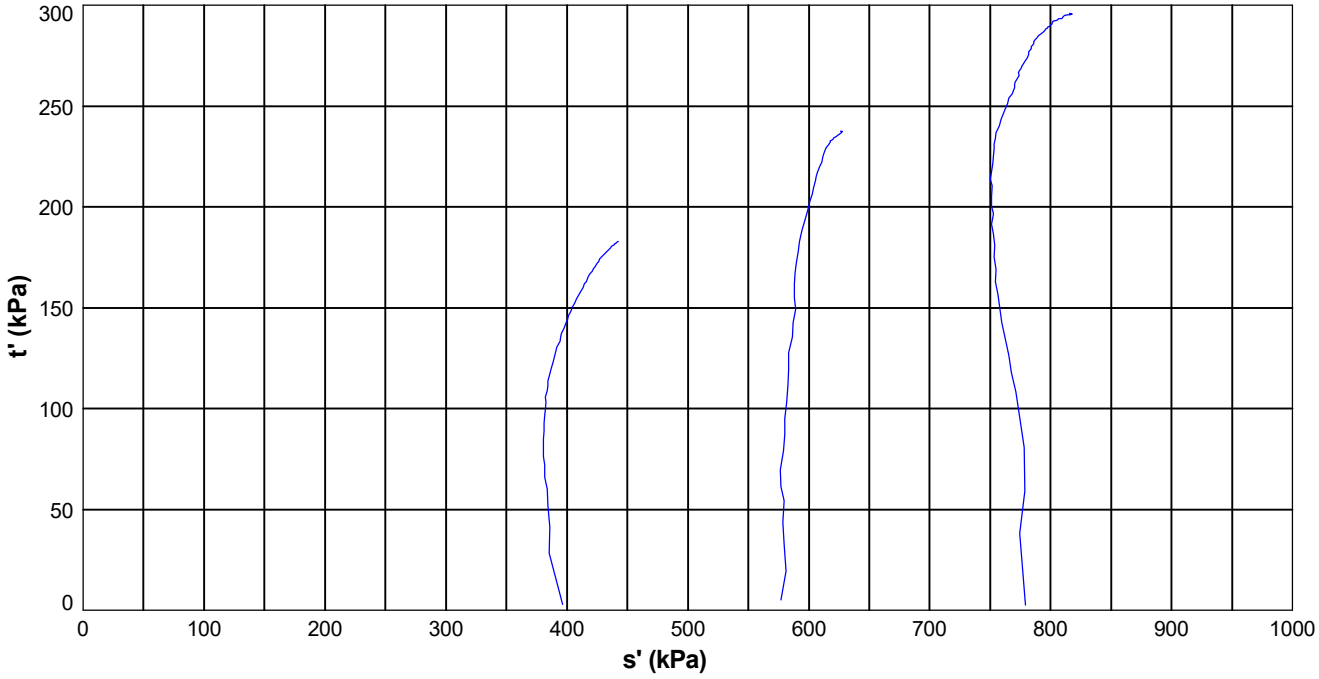
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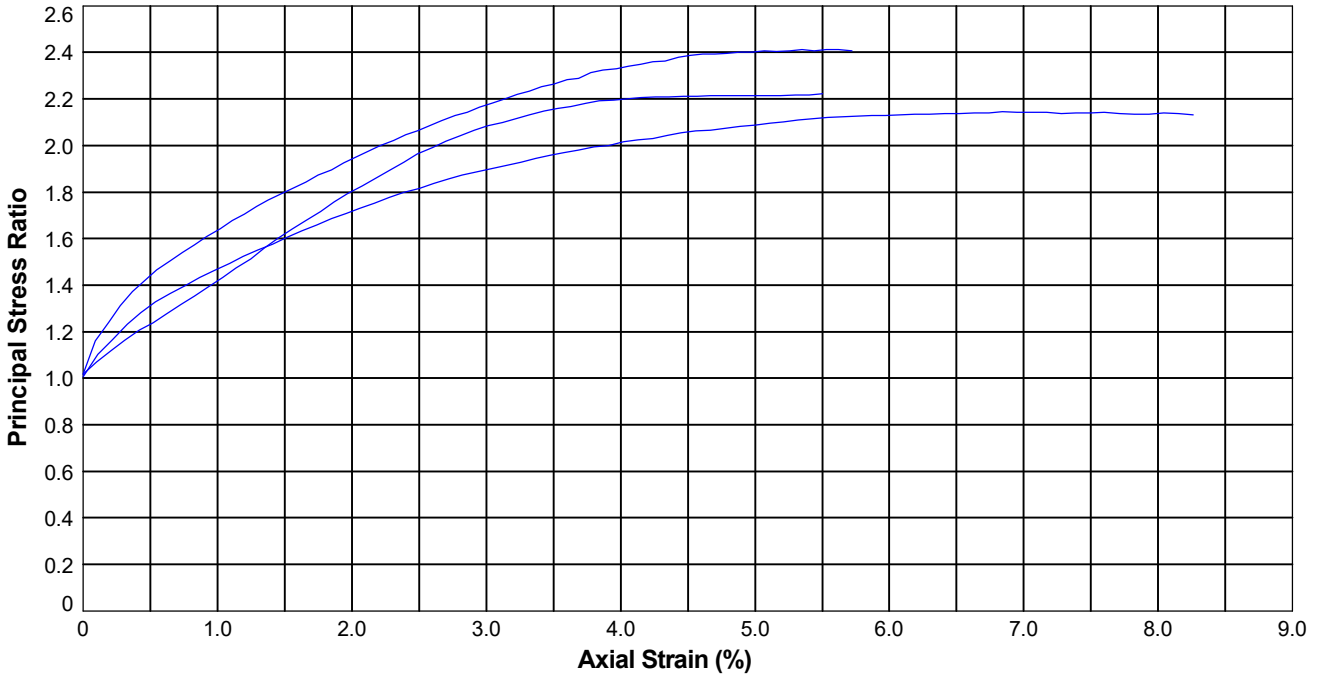
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Borehole : **CH2019_R2** Sample Ref : **28** Sample Type : **C** Depth (m) : **55.66**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Sizewell C Onshore GI Phase 2 2019

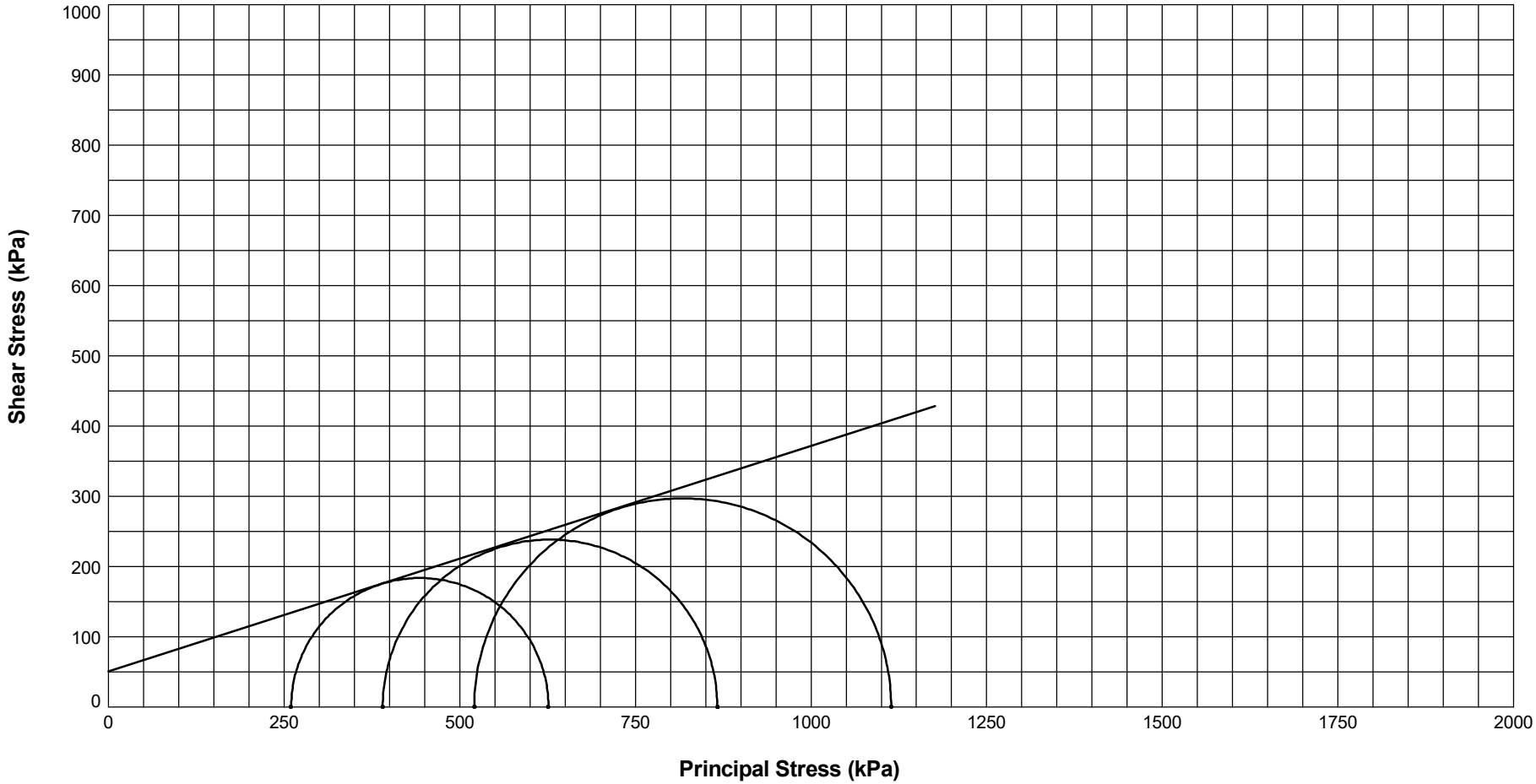
Contract Ref: **734318**

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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **CH2019_R2** Sample Ref : **28** Sample Type : **C** Depth (m) : **55.66**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **CH2019_R2** Sample Ref : **30** Sample Type : **C** Depth (m) : **56.53**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Dark greyish brown CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.92**	**38.06**	**37.71**
Initial Height (mm)	**75.80**	**75.85**	**75.76**
Initial Mass (g)	**167.18**	**167.83**	**165.94**
Initial Moisture Content (%)	**30**	**31**	**32**
Initial Bulk Density (Mg/m^3)	**1.95**	**1.94**	**1.96**
Initial Dry Density (Mg/m^3)	**1.50**	**1.49**	**1.49**
Initial B-Value	**0.31**	**0.42**	**0.68**
Final Moisture Content (%)	**28**	**28**	**28**
Final Bulk Density (Mg/m^3)	**2.15**	**2.13**	**2.20**
Final Dry Density (Mg/m^3)	**1.67**	**1.67**	**1.72**
SATURATION			
Duration (days)	**3**	**3**	**3**
Final B-Value	**1.00**	**0.96**	**0.95**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740**	**940**	**1140**
Back Pressure (kPa)	**340**	**340**	**340**
Initial Volume (cm^3)	**85.597**	**86.302**	**84.633**
Final Volume (cm^3)	**76.677**	**76.592**	**72.993**
Change in Volume (cm^3)	**8.920**	**9.710**	**11.640**
COMPRESSION			
Duration (days)	**2**	**2**	**2**
Cell Pressure (kPa)	**740**	**940**	**1140**
Initial Porewater Pressure (kPa)	**349.4**	**356.3**	**362.9**
Strain Rate (mm/min)	**0.00339**	**0.00338**	**0.00251**
Axial Strain at Failure (%)	**4.83**	**5.42**	**4.98**
Time to Failure (h)	**17.4**	**19.5**	**23.9**
Deviator Stress at Failure (kPa)	**298.8**	**607.1**	**670.4**
Porewater Pressure at Failure (kPa)	**471.6**	**541.9**	**630.1**
Effective Major Principal Stress (kPa)	**567.3**	**1005.3**	**1179.7**
Effective Minor Principal Stress (kPa)	**268.5**	**398.2**	**509.3**
Effective Principal Stress Ratio	**2.11**	**2.53**	**2.32**
Pore Pressure Coefficient - A_f	**0.41**	**0.31**	**0.40**

Effective Cohesion (kPa) : **17** Angle of Shear Resistance (degs) : **22.5**

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Date: 28/05/20

Contract: **Sizewell C Onshore GI Phase 2 2019**

Job No: **734318**

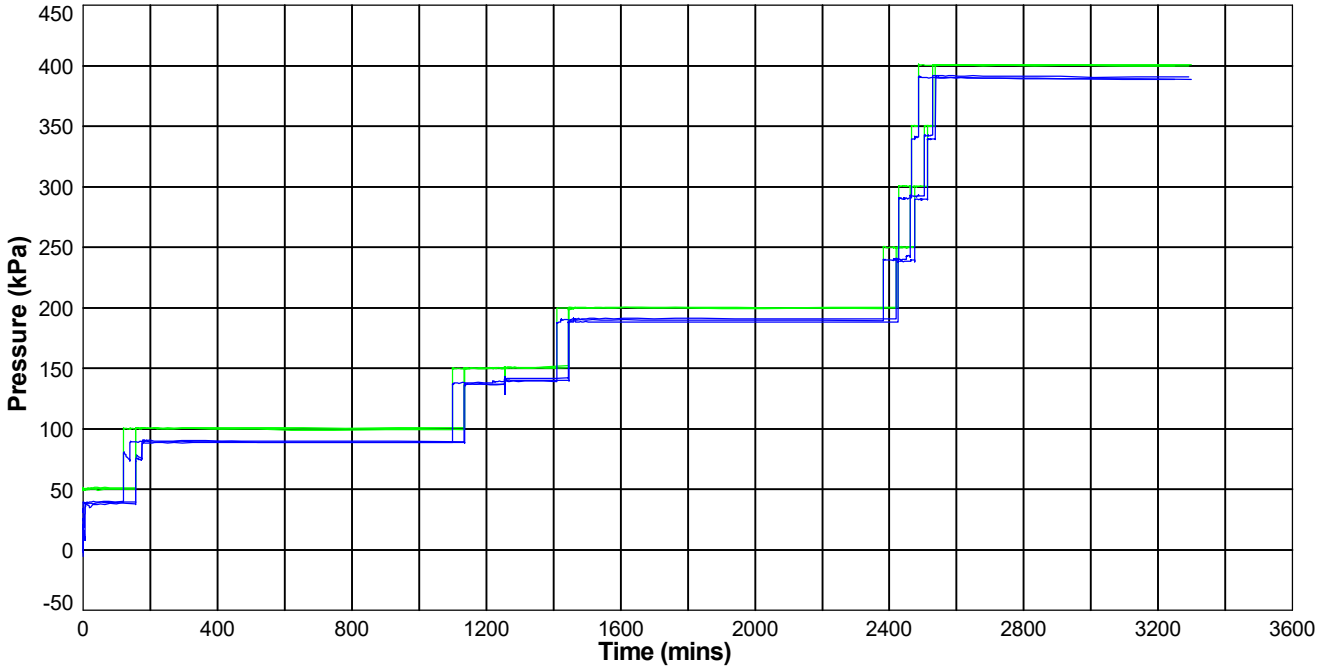
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

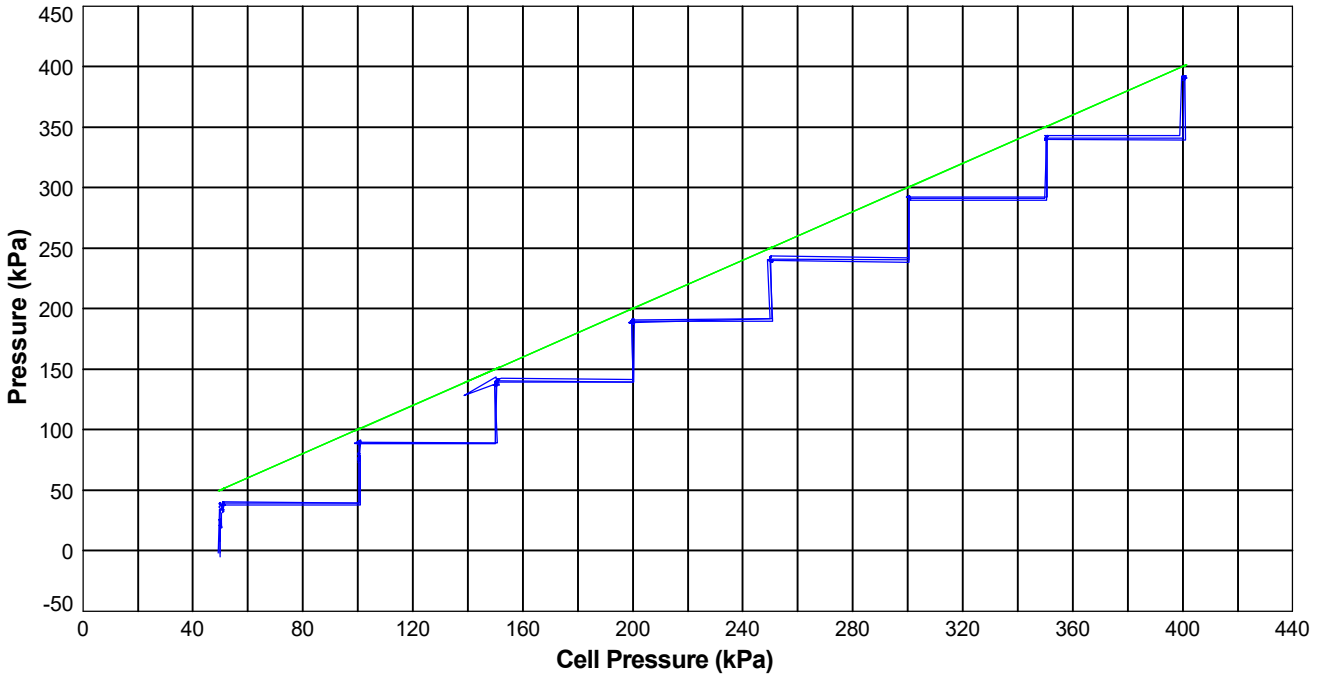
In accordance with BS EN ISO 17892 Part 9

Borehole : **CH2019_R2** Sample Ref : **30** Sample Type : **C** Depth (m) : **56.53**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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1a Princess Street
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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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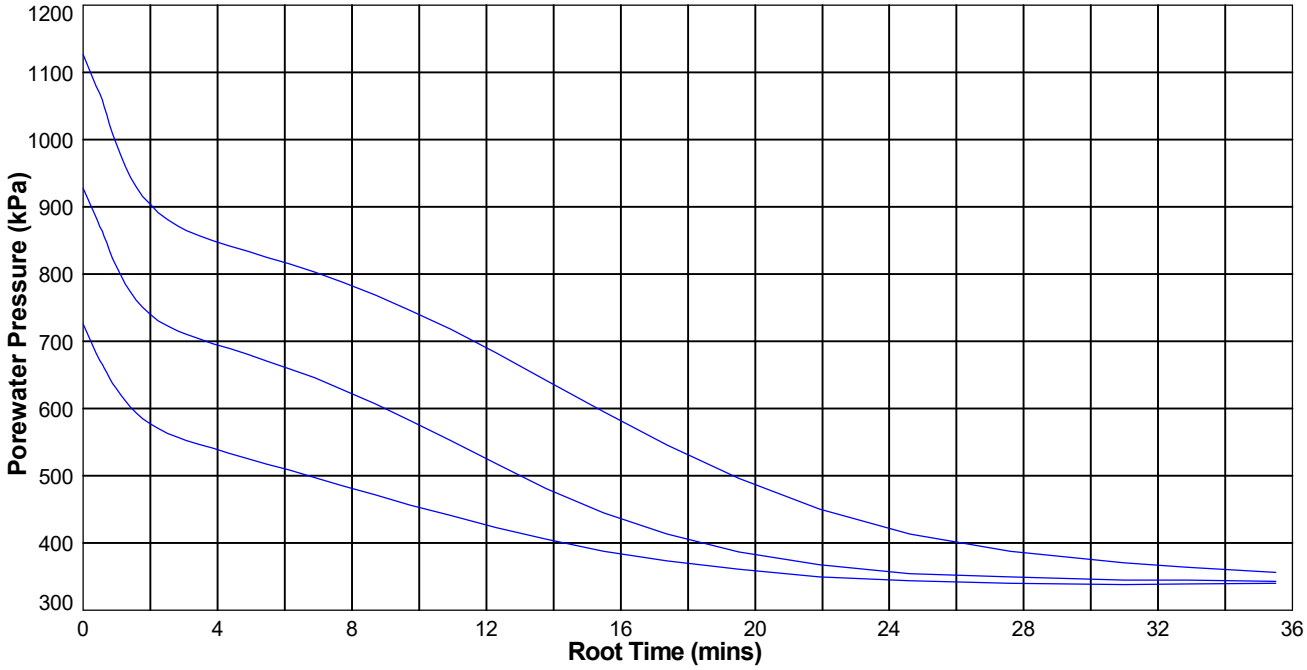
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

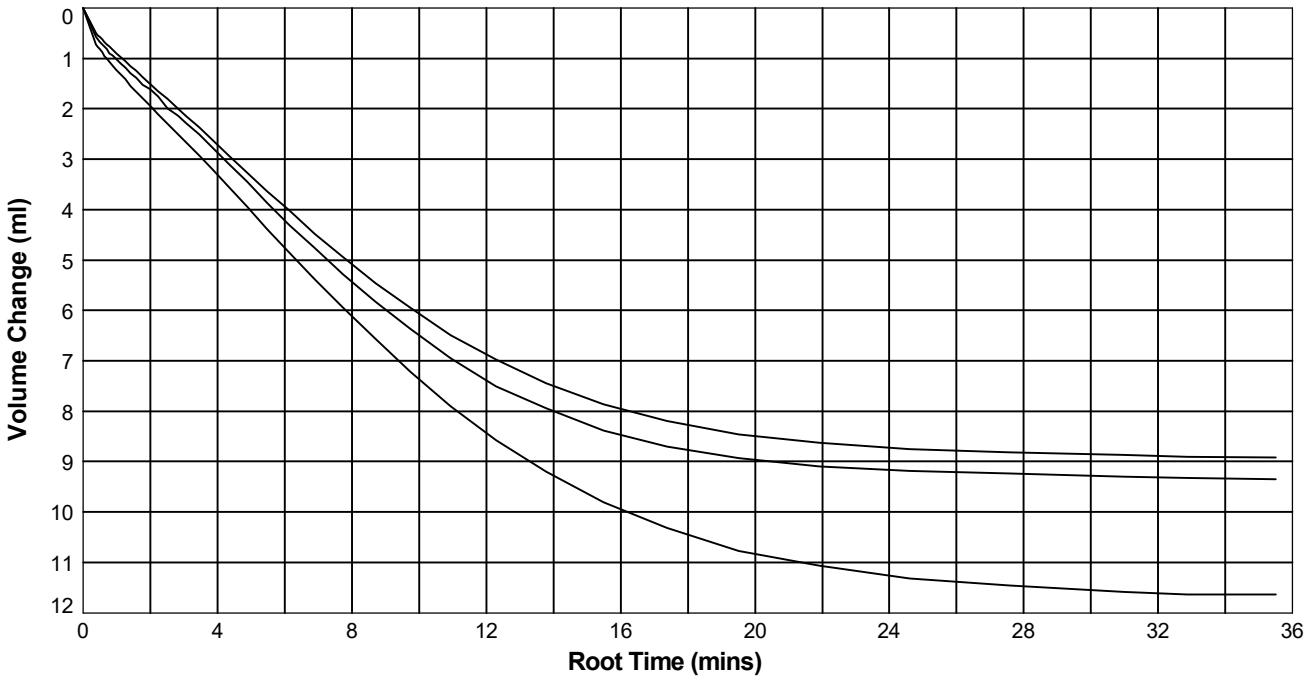
Borehole : **CH2019_R2** Sample Ref : **30** Sample Type : **C** Depth (m) : **56.53**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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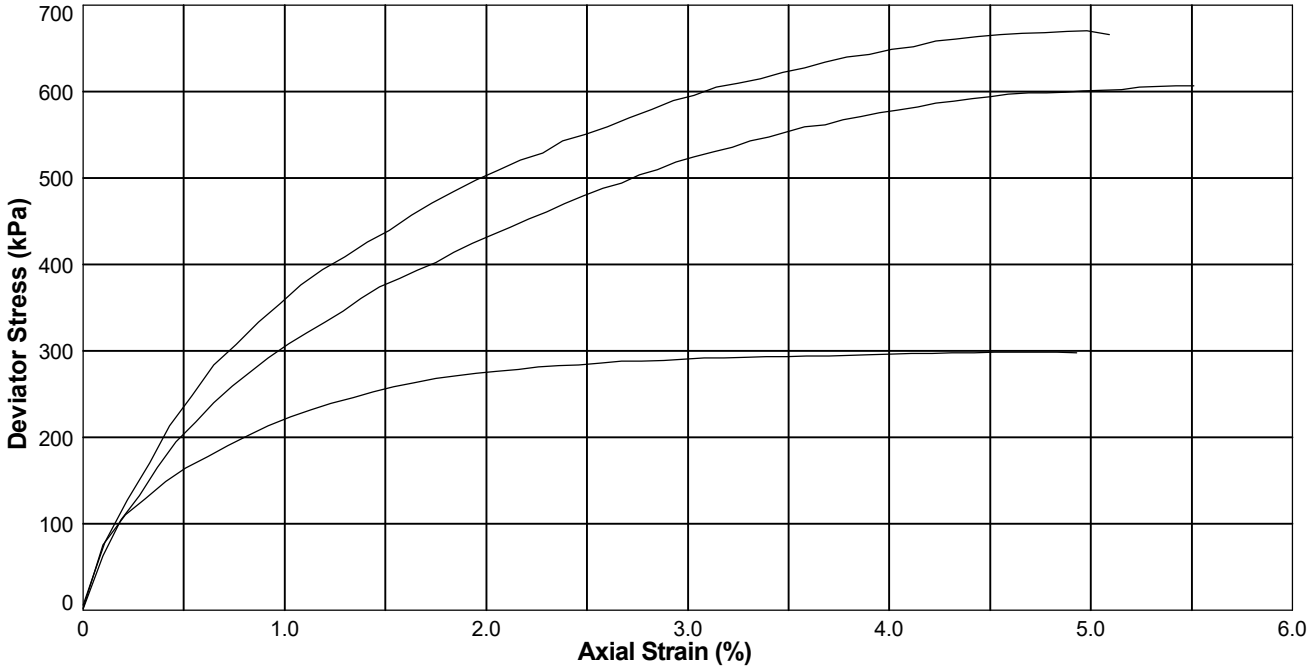
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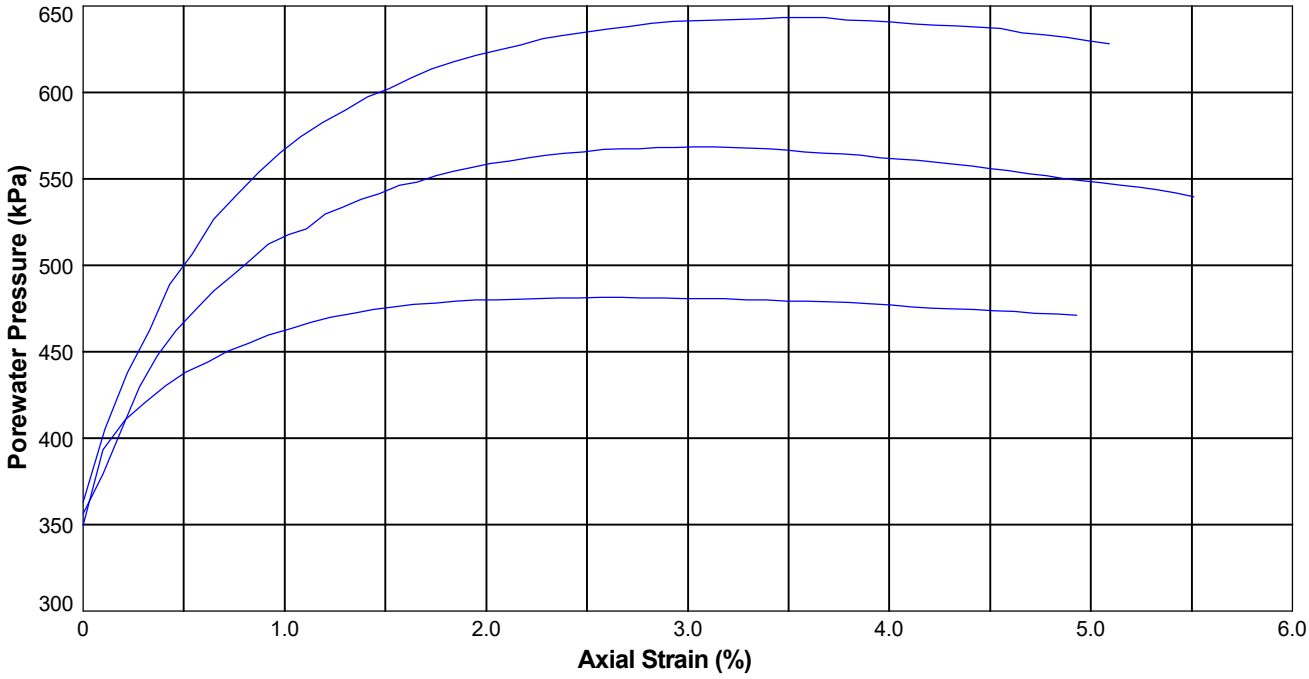
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Borehole : **CH2019_R2** Sample Ref : **30** Sample Type : **C** Depth (m) : **56.53**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date
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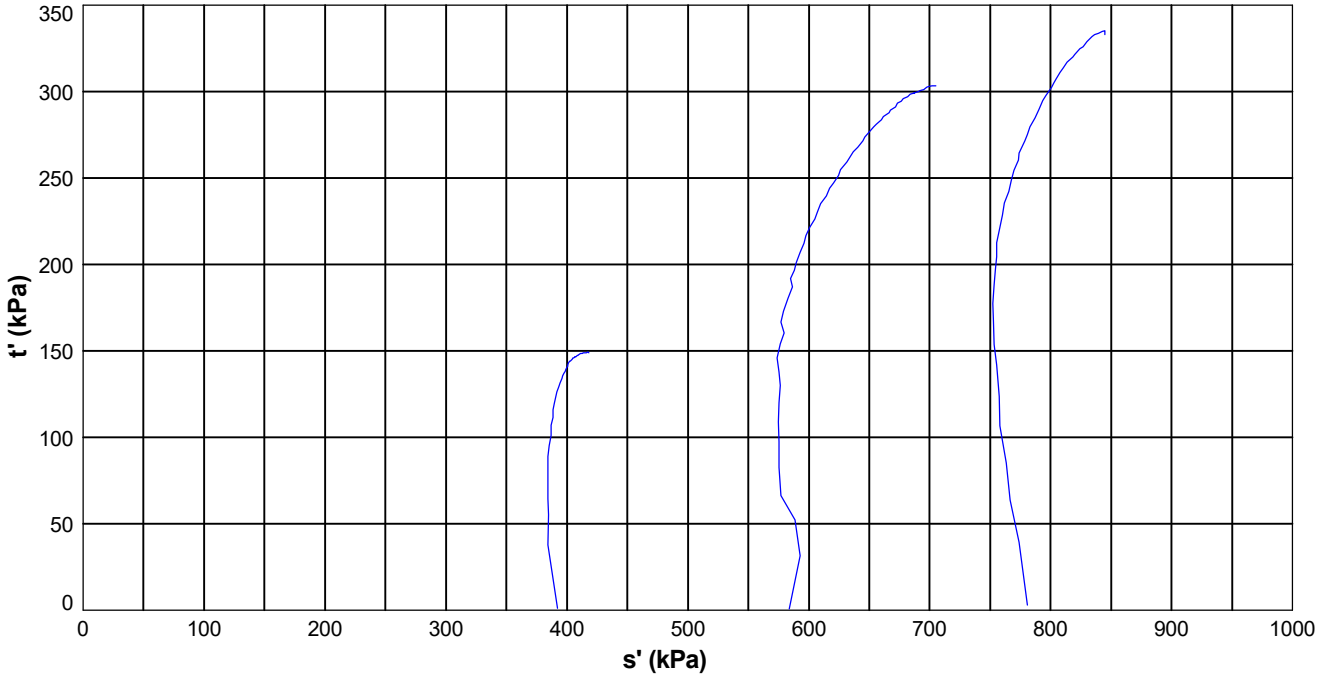
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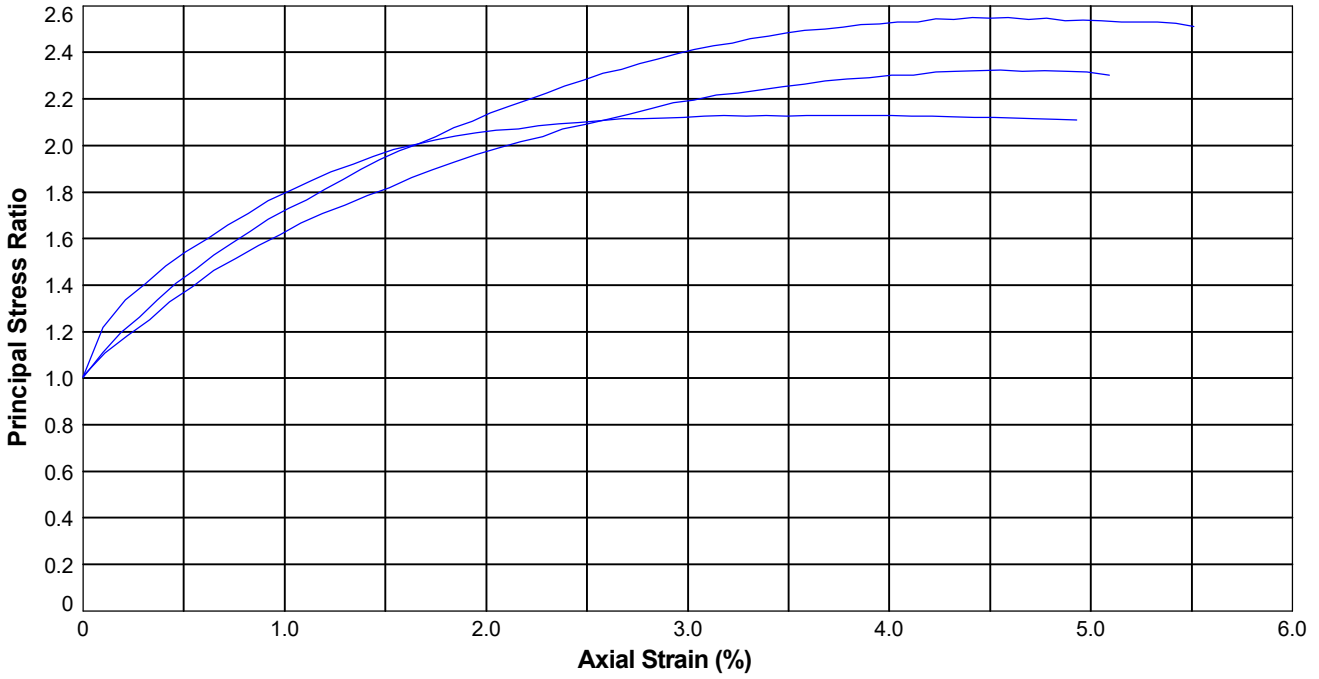
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Borehole : **CH2019_R2** Sample Ref : **30** Sample Type : **C** Depth (m) : **56.53**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
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FRANCESCA BENNETT	28/05/20

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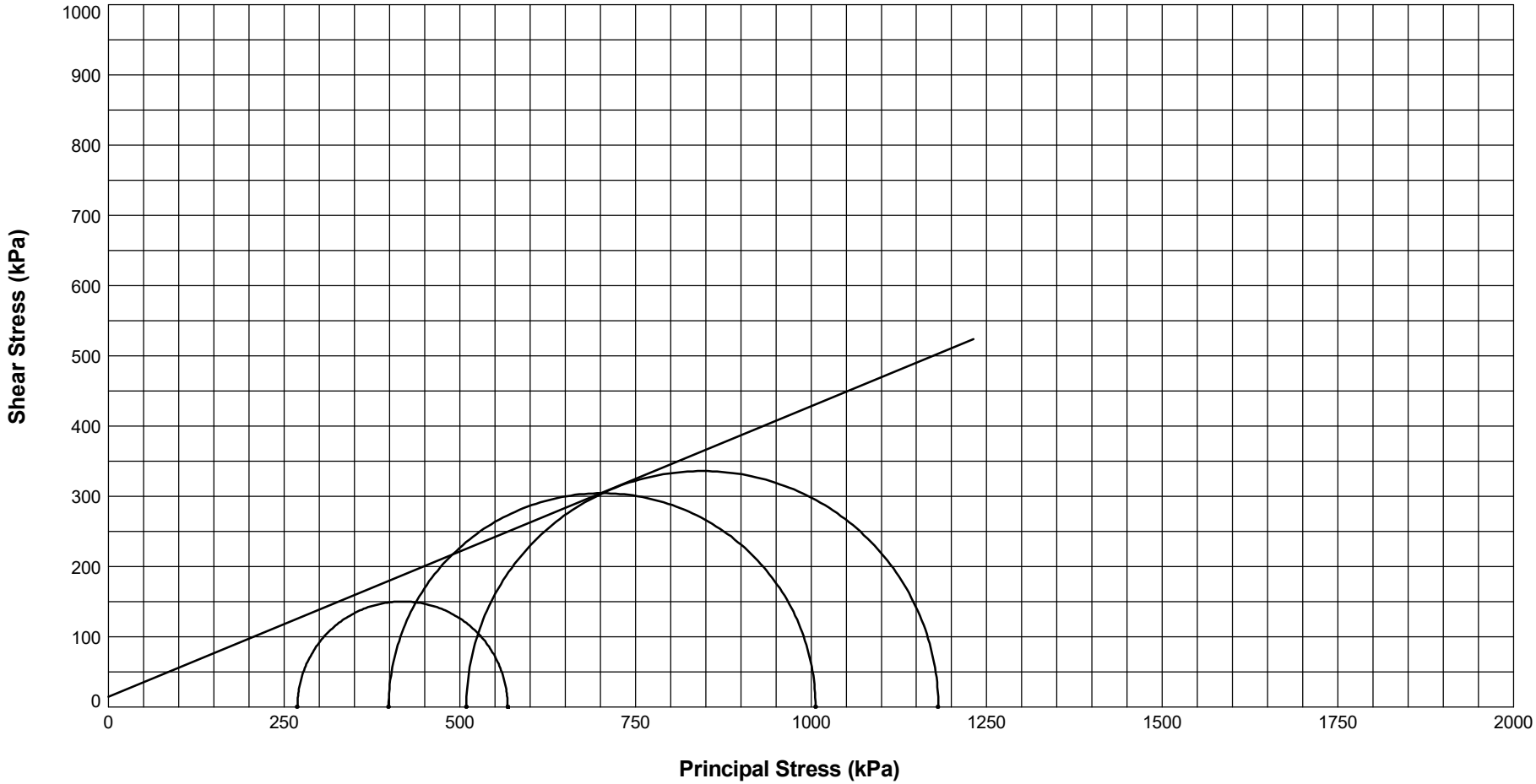
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **CH2019_R2** Sample Ref : **30** Sample Type : **C** Depth (m) : **56.53**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **CH2019_R2** Sample Ref : **32** Sample Type : **C** Depth (m) : **57.28**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Brown slightly sandy silty CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.79**	**37.95**	**37.91**
Initial Height (mm)	**76.02**	**75.88**	**76.14**
Initial Mass (g)	**174.17**	**180.17**	**178.78**
Initial Moisture Content (%)	**23**	**20**	**21**
Initial Bulk Density (Mg/m^3)	**2.04**	**2.10**	**2.08**
Initial Dry Density (Mg/m^3)	**1.66**	**1.75**	**1.72**
Initial B-Value	**0.52**	**0.58**	**0.46**
Final Moisture Content (%)	**21**	**18**	**18**
Final Bulk Density (Mg/m^3)	**2.17**	**2.22**	**2.19**
Final Dry Density (Mg/m^3)	**1.80**	**1.88**	**1.86**
SATURATION			
Duration (days)	**5**	**5**	**5**
Final B-Value	**1.00**	**0.99**	**1.00**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740**	**940**	**1140**
Back Pressure (kPa)	**340**	**340**	**340**
Initial Volume (cm^3)	**85.276**	**85.804**	**85.917**
Final Volume (cm^3)	**78.676**	**79.684**	**79.457**
Change in Volume (cm^3)	**6.600**	**6.120**	**6.460**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740**	**940**	**1140**
Initial Porewater Pressure (kPa)	**347**	**341**	**346.4**
Strain Rate (mm/min)	**0.00343**	**0.00343**	**0.00344**
Axial Strain at Failure (%)	**9.78**	**16.74**	**12.99**
Time to Failure (h)	**35.2**	**60.2**	**46.7**
Deviator Stress at Failure (kPa)	**469.5**	**671.8**	**726.4**
Porewater Pressure at Failure (kPa)	**479.7**	**531**	**720.3**
Effective Major Principal Stress (kPa)	**729.6**	**1079.7**	**1145.6**
Effective Minor Principal Stress (kPa)	**260.1**	**407.9**	**419.2**
Effective Principal Stress Ratio	**2.81**	**2.65**	**2.73**
Pore Pressure Coefficient - A_f	**0.28**	**0.28**	**0.51**

Effective Cohesion (kPa) : **32**	Angle of Shear Resistance (degs) : **25**

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C **Sizewell C Onshore GI Phase 2 2019**

Job No **734318**

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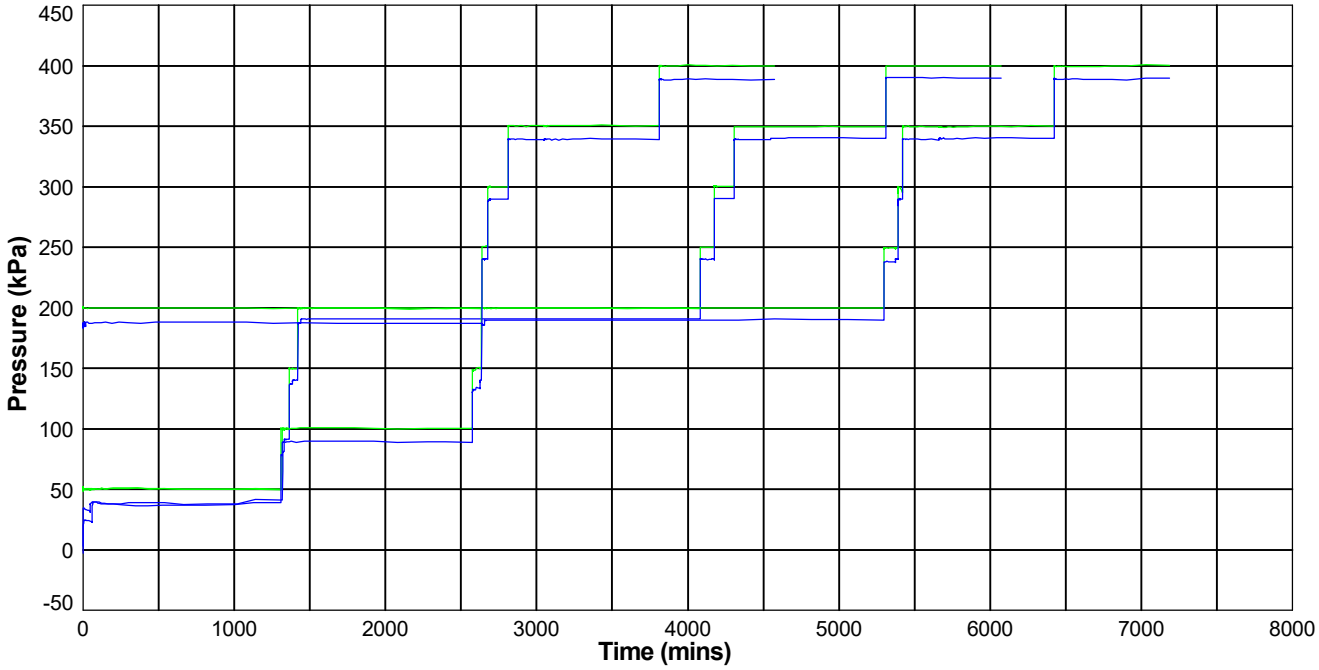
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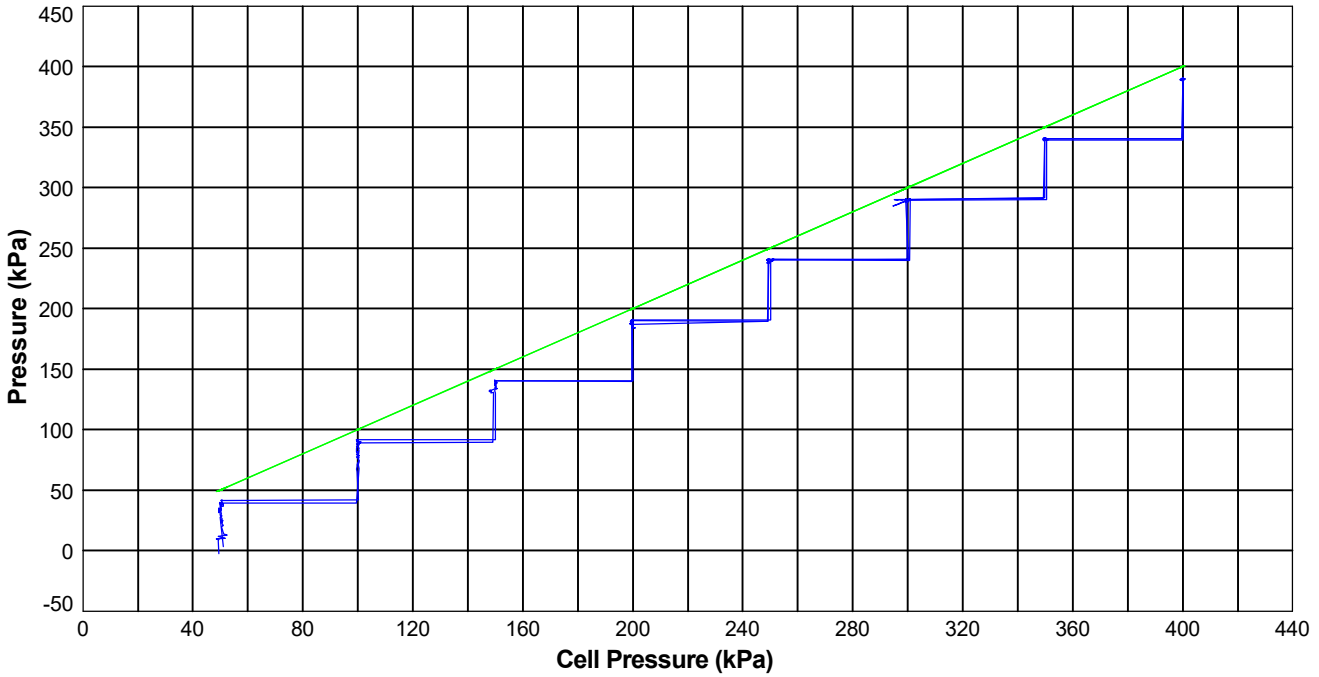
In accordance with BS EN ISO 17892 Part 9

Borehole : **CH2019_R2** Sample Ref : **32** Sample Type : **C** Depth (m) : **57.28**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted] mpiled By	Date
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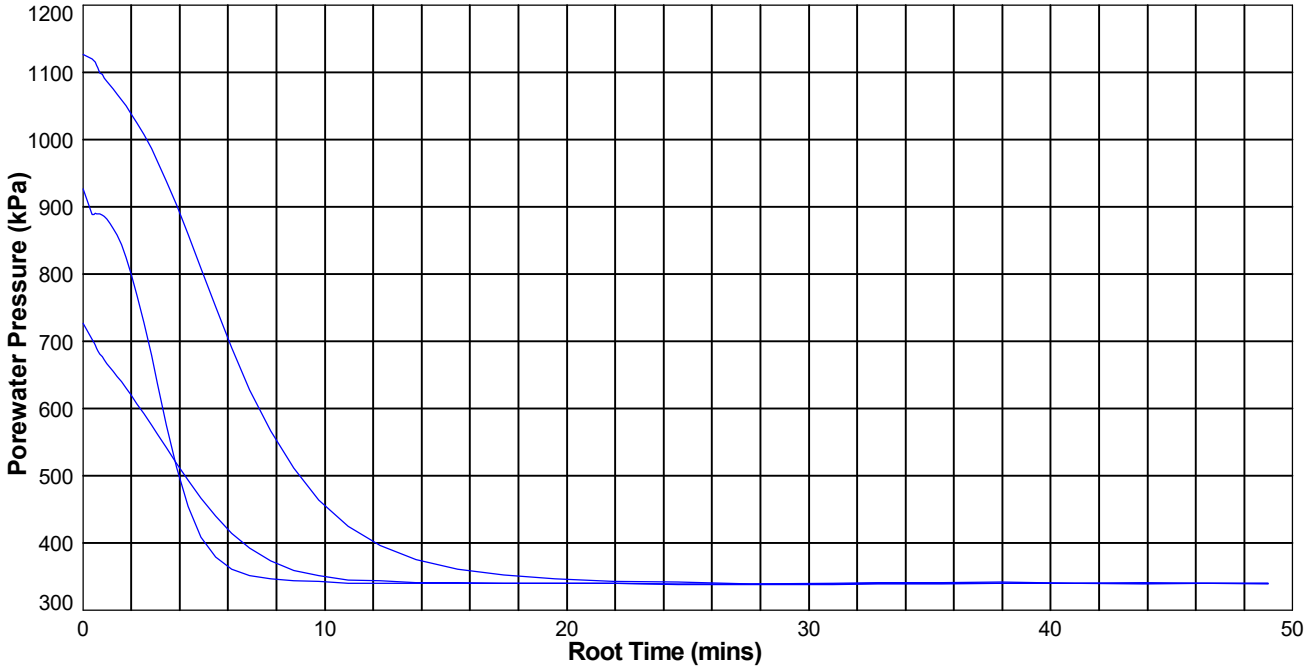
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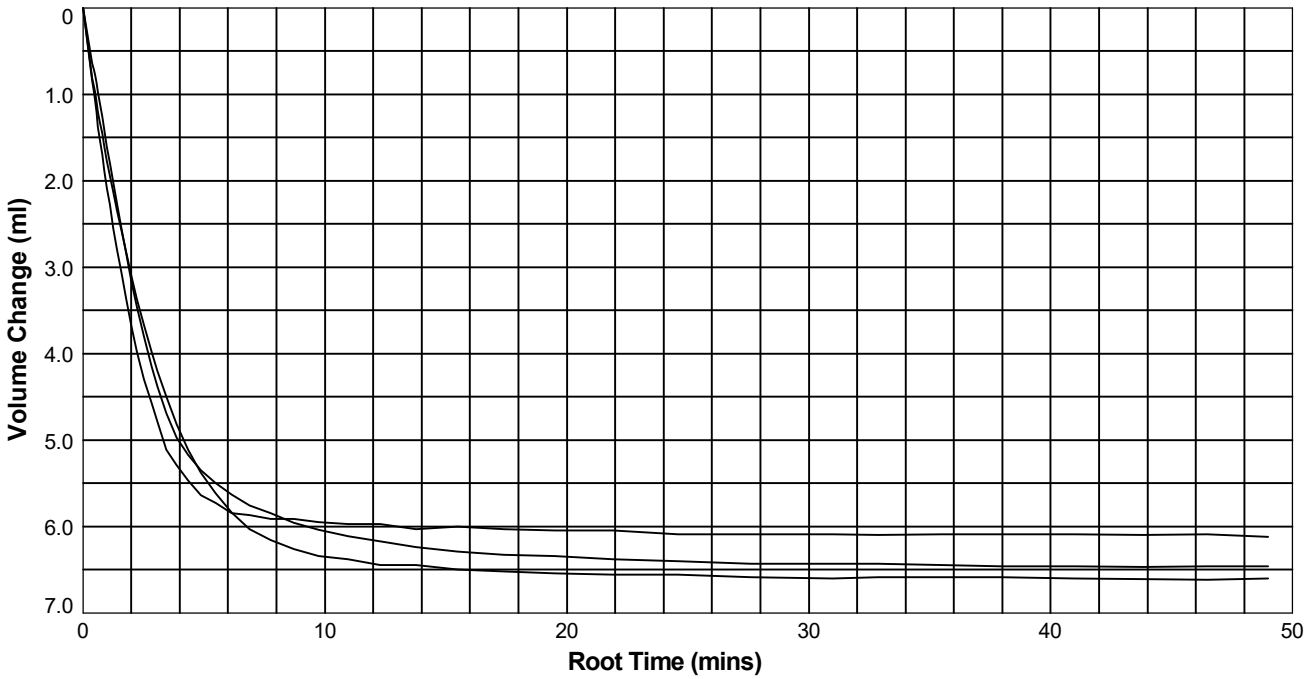
Borehole : **CH2019_R2** Sample Ref : **32** Sample Type : **C** Depth (m) : **57.28**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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Contract	Contract Ref:
Sizewell C Onshore GI Phase 2 2019	**734318**

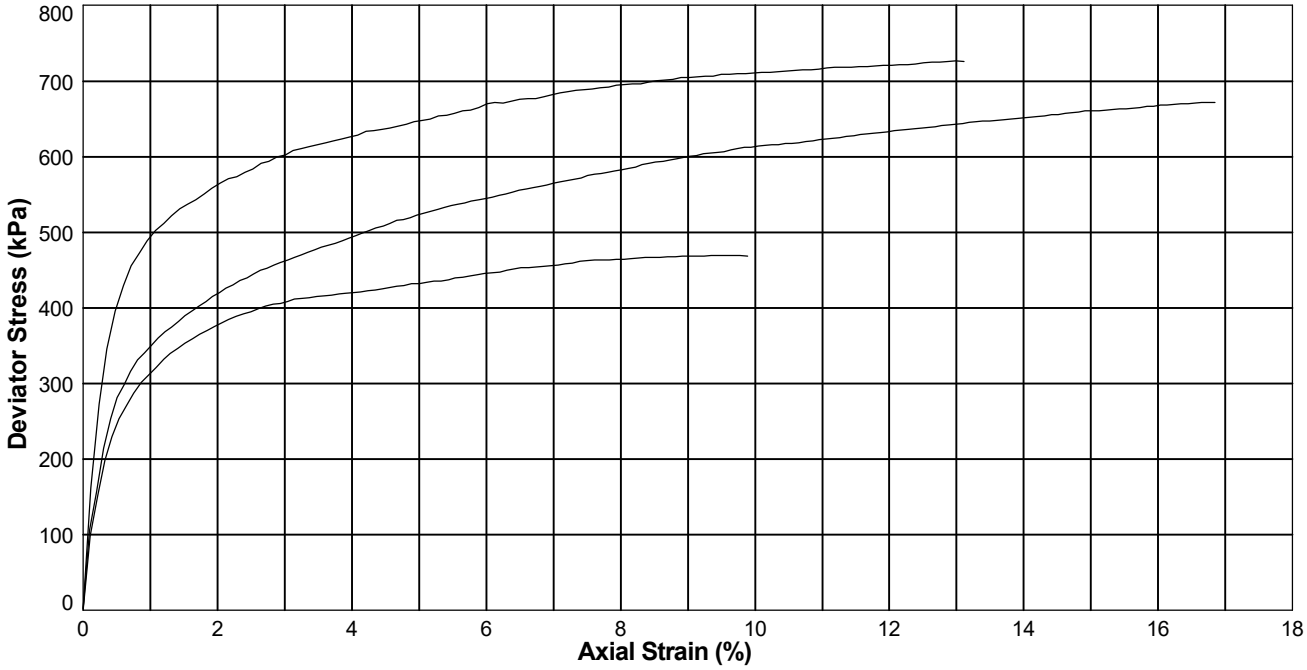
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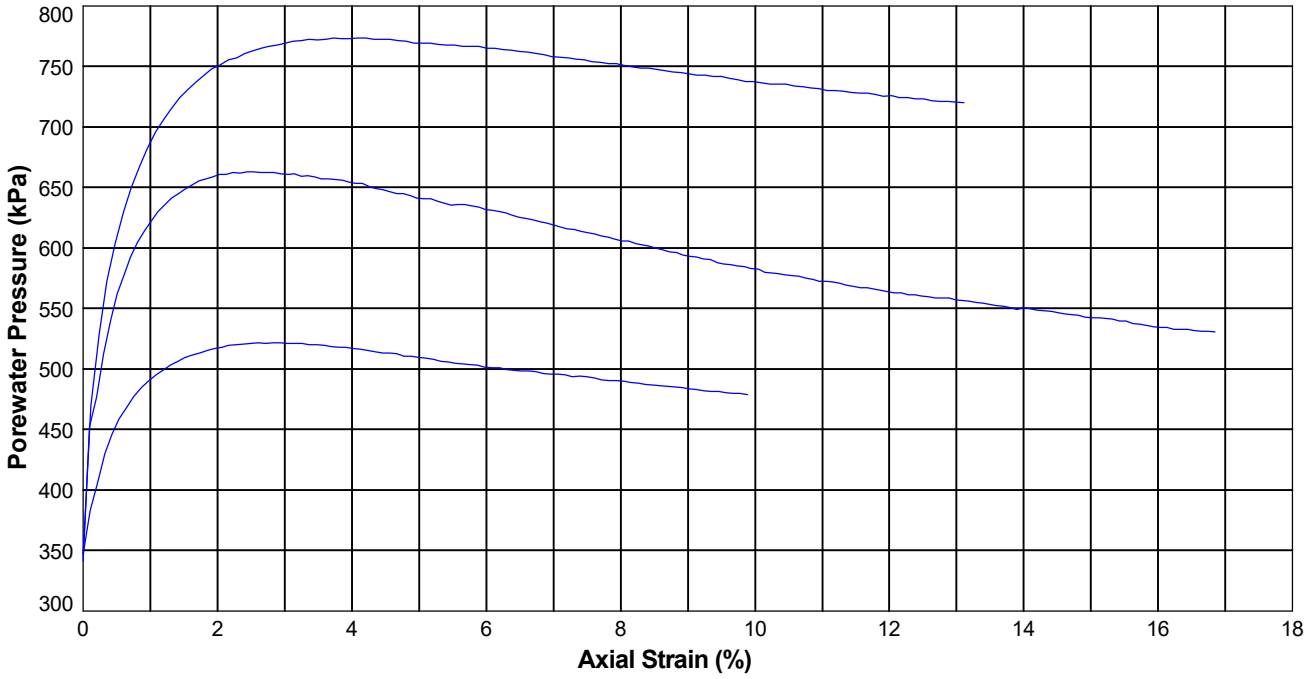
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Borehole : **CH2019_R2** Sample Ref : **32** Sample Type : **C** Depth (m) : **57.28**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Sizewell C Onshore GI Phase 2 2019	**734318**	

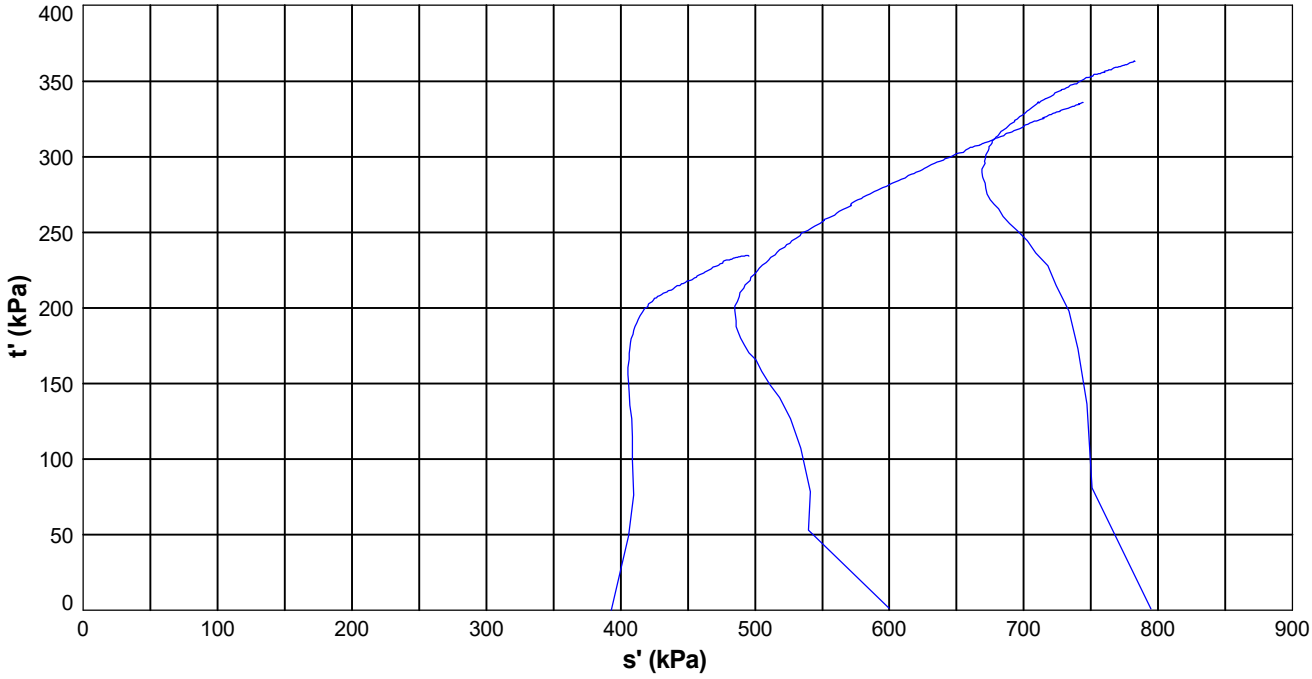
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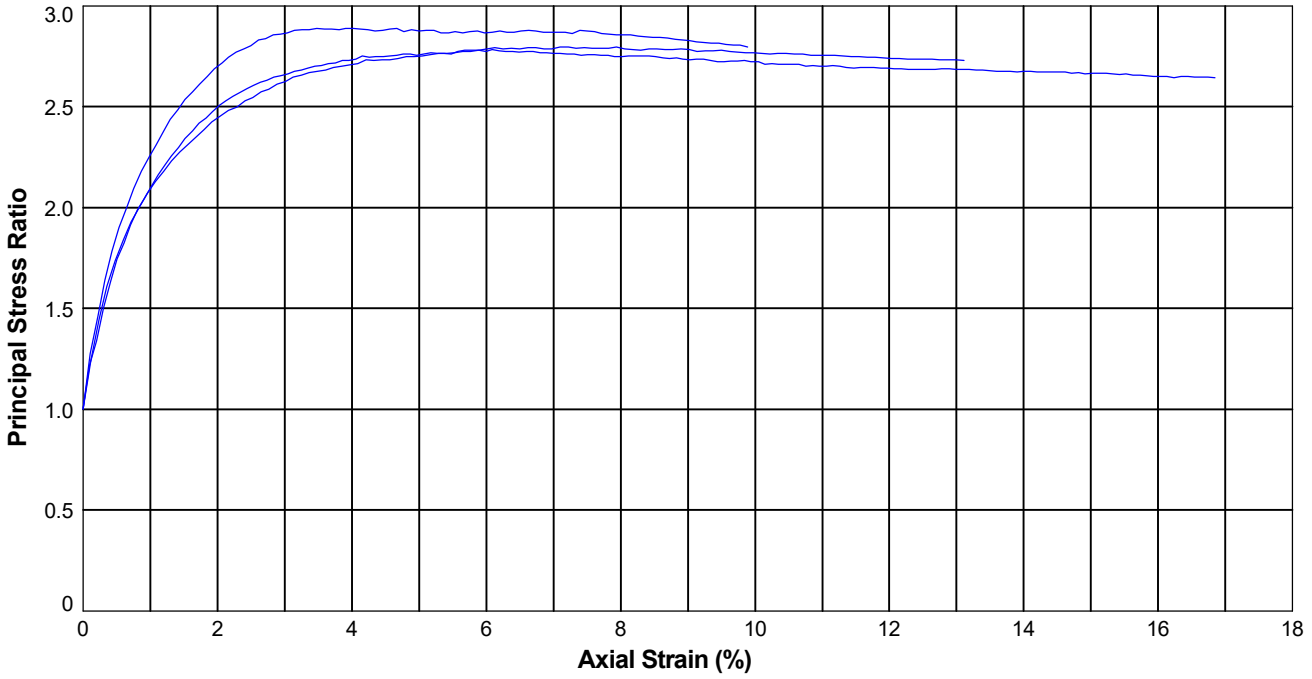
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Borehole : **CH2019_R2** Sample Ref : **32** Sample Type : **C** Depth (m) : **57.28**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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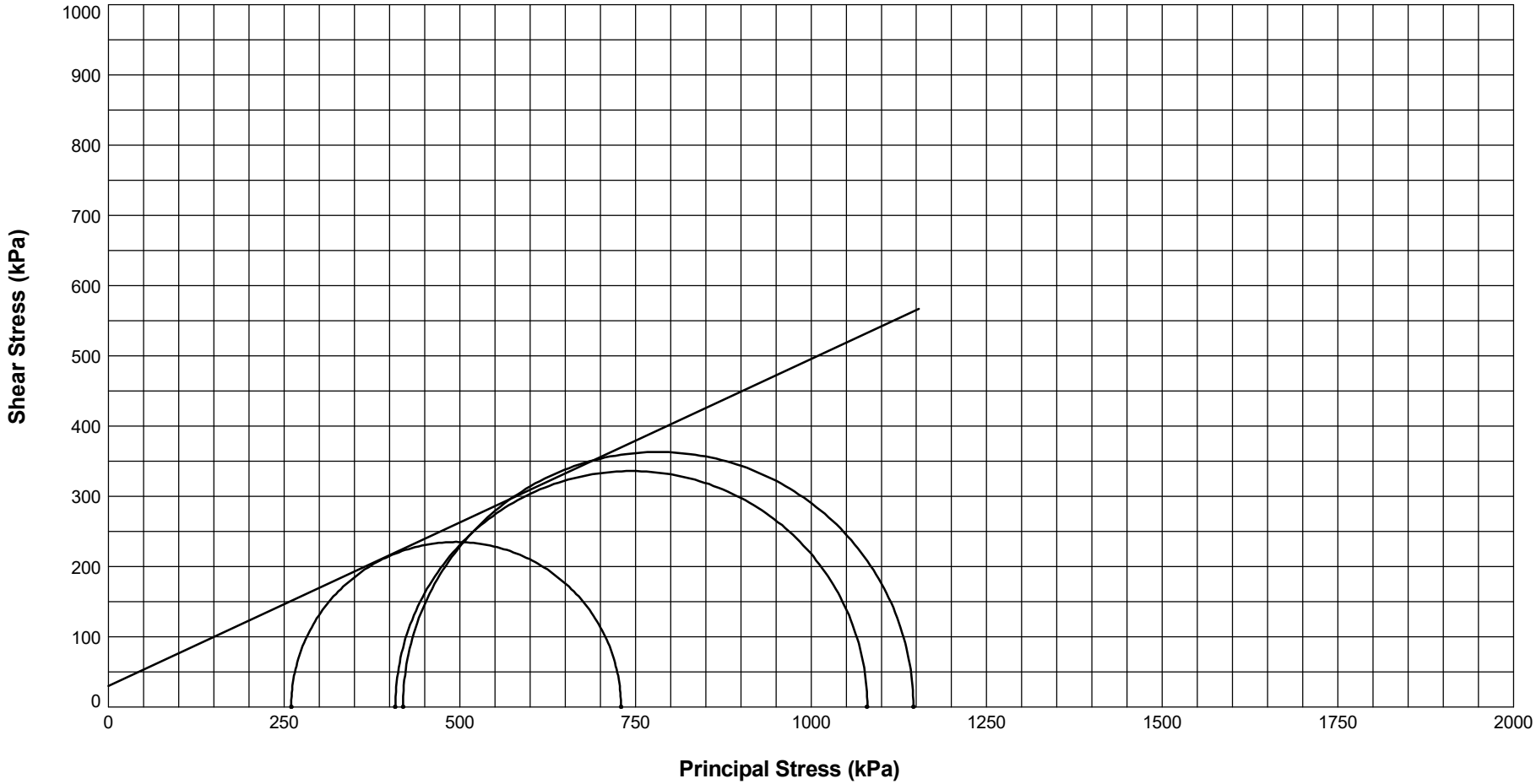
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **CH2019_R2** Sample Ref : **32** Sample Type : **C** Depth (m) : **57.28**



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Date: 28.05.20

Contract: [redacted]

Contract Ref: 734318

Sizewell C Onshore GI Phase 2 2019

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **CH2019_R2** Sample Ref : **52** Sample Type : **C** Depth (m) : **74.79**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Brown mottled dark grey CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**38.05**	**37.84**	**38.10**
Initial Height (mm)	**75.86**	**75.80**	**75.83**
Initial Mass (g)	**162.28**	**160.13**	**162.82**
Initial Moisture Content (%)	**37**	**38**	**36**
Initial Bulk Density (Mg/m^3)	**1.88**	**1.88**	**1.88**
Initial Dry Density (Mg/m^3)	**1.37**	**1.37**	**1.38**
Initial B-Value	**0.37**	**0.44**	**0.40**
Final Moisture Content (%)	**36**	**36**	**34**
Final Bulk Density (Mg/m^3)	**2.05**	**2.07**	**2.06**
Final Dry Density (Mg/m^3)	**1.51**	**1.52**	**1.53**
SATURATION			
Duration (days)	**5**	**6**	**5**
Final B-Value	**0.97**	**1.00**	**0.97**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**940.3**	**1139.7**	**1340.5**
Back Pressure (kPa)	**339.1**	**340.2**	**339.9**
Initial Volume (cm^3)	**86.272**	**85.255**	**86.472**
Final Volume (cm^3)	**78.422**	**76.475**	**78.072**
Change in Volume (cm^3)	**7.850**	**8.780**	**8.400**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**940.4**	**1139.4**	**1340.2**
Initial Porewater Pressure (kPa)	**343.3**	**380.8**	**391.6**
Strain Rate (mm/min)	**0.00341**	**0.00339**	**0.00340**
Axial Strain at Failure (%)	**1.65**	**5.23**	**2.03**
Time to Failure (h)	**5.9**	**18.8**	**7.3**
Deviator Stress at Failure (kPa)	**420.1**	**500.9**	**606.7**
Porewater Pressure at Failure (kPa)	**563.3**	**679.4**	**690.9**
Effective Major Principal Stress (kPa)	**797.9**	**960.9**	**1256.0**
Effective Minor Principal Stress (kPa)	**377.8**	**460.0**	**649.3**
Effective Principal Stress Ratio	**2.11**	**2.09**	**1.93**
Pore Pressure Coefficient - A_f	**0.52**	**0.60**	**0.49**

Effective Cohesion (kPa) : **75** Angle of Shear Resistance (degs) : **14**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Job No: **734318**

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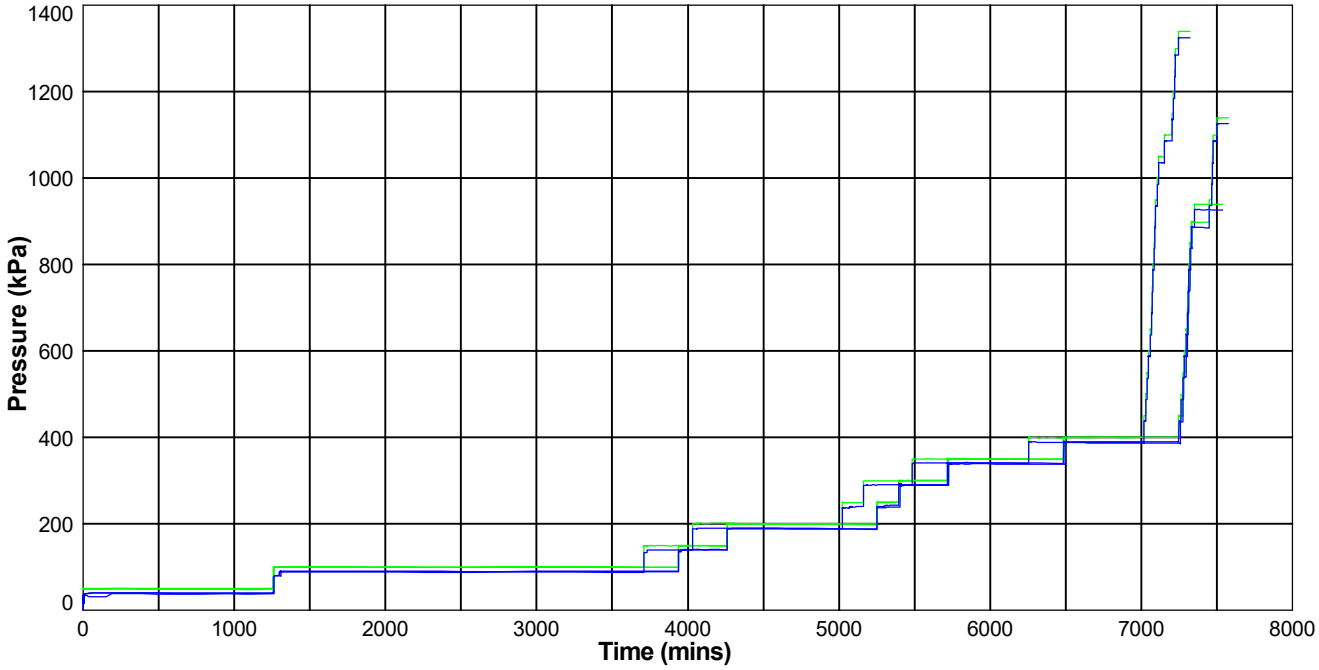
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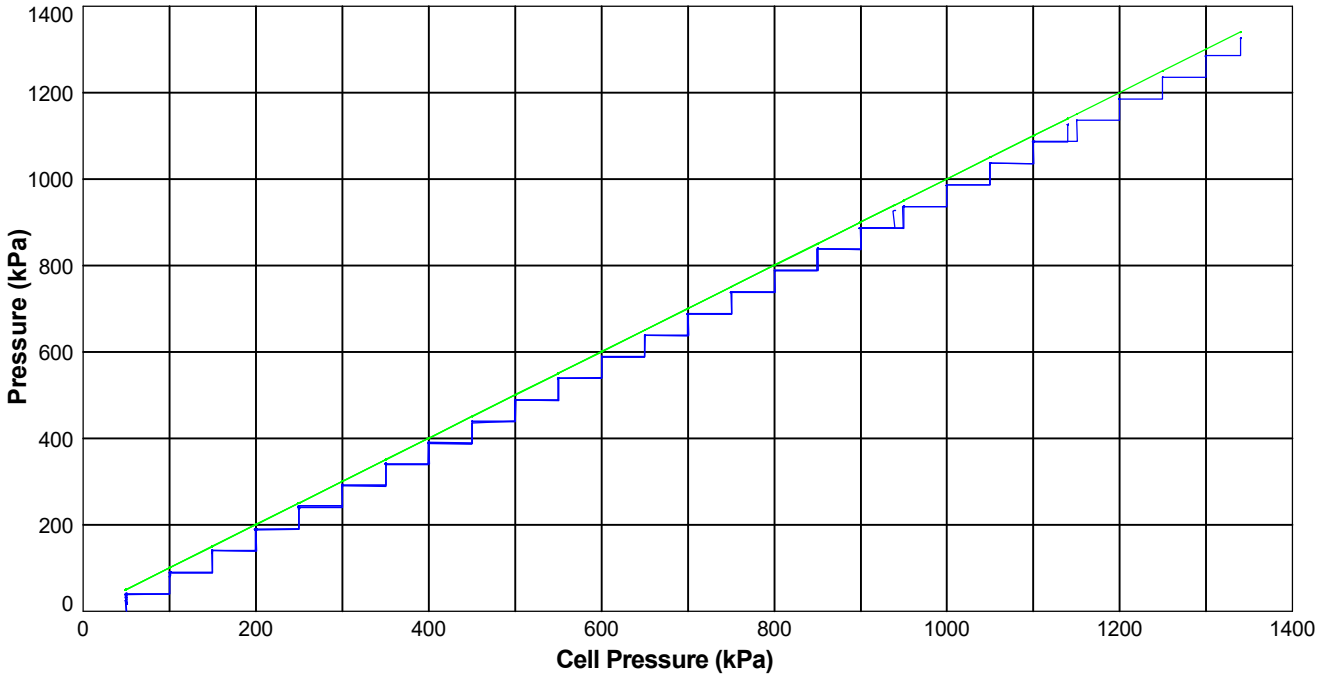
In accordance with BS EN ISO 17892 Part 9

Borehole : **CH2019_R2** Sample Ref : **52** Sample Type : **C** Depth (m) : **74.79**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted]	Compiled By	Date
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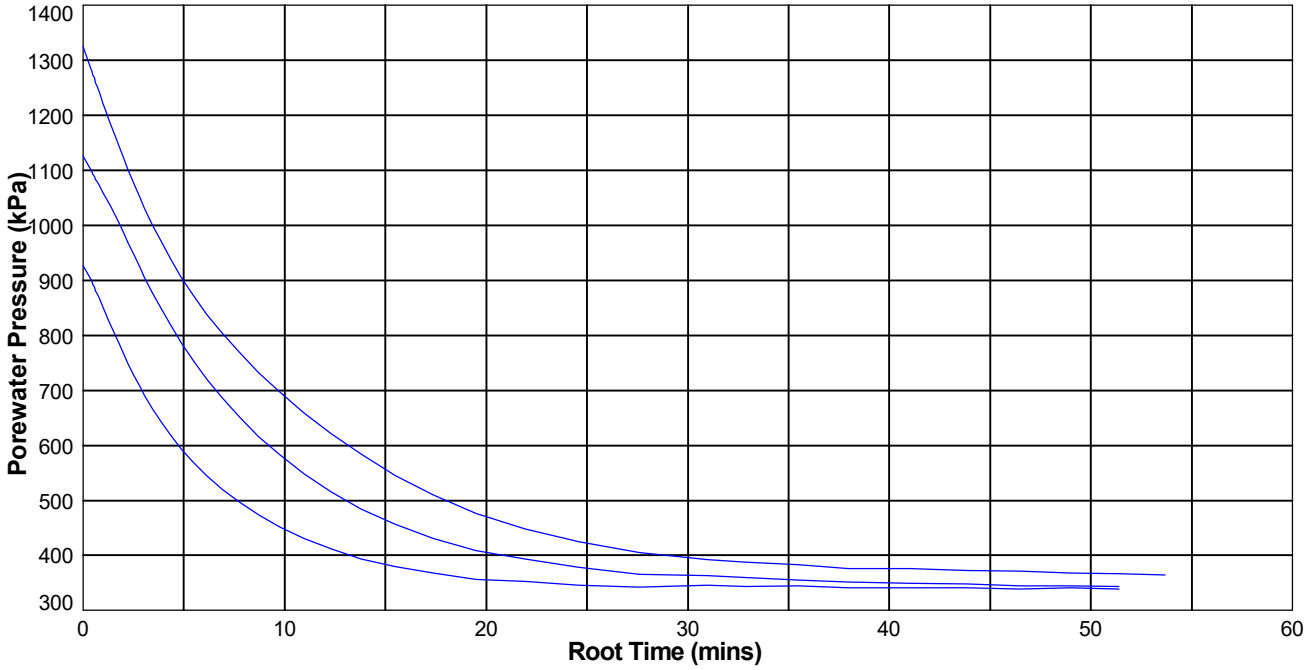
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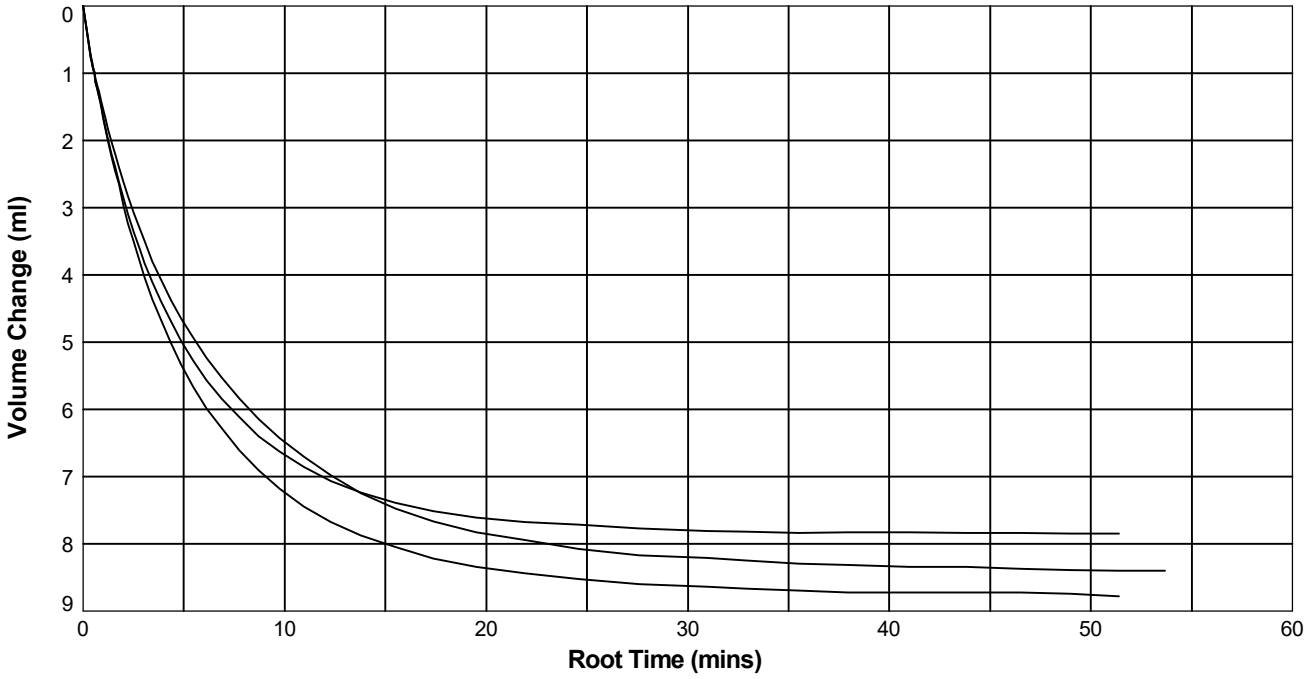
Borehole : **CH2019_R2** Sample Ref : **52** Sample Type : **C** Depth (m) : **74.79**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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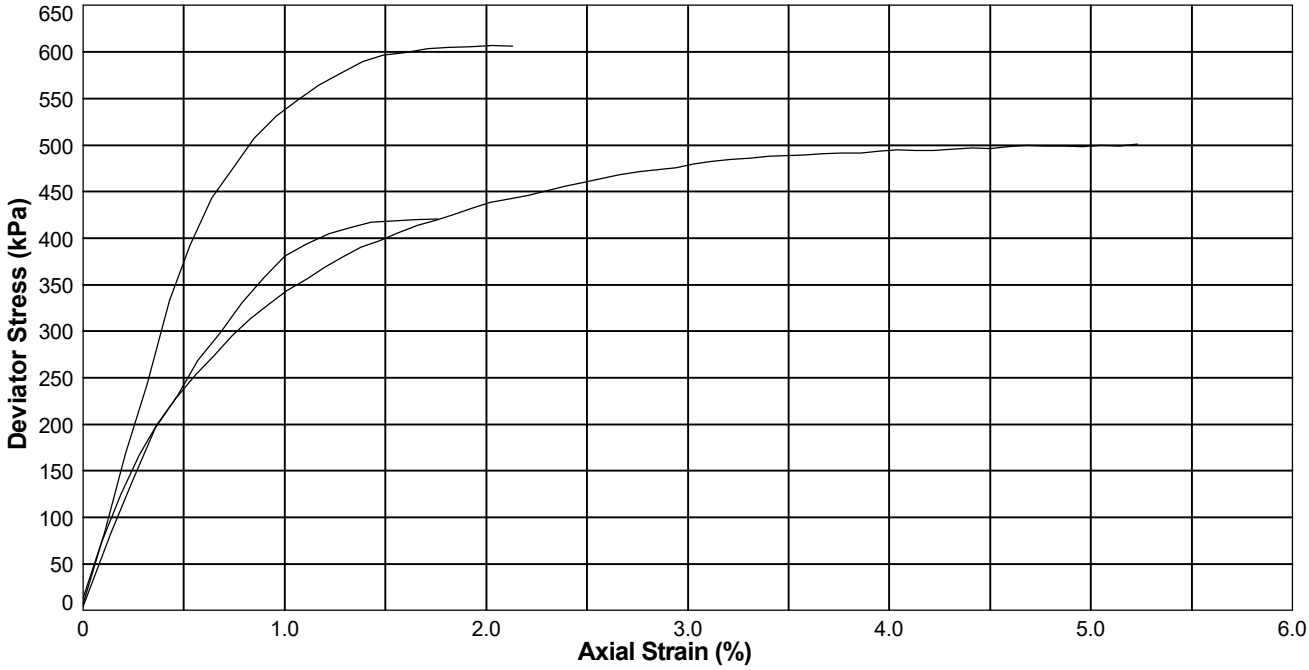
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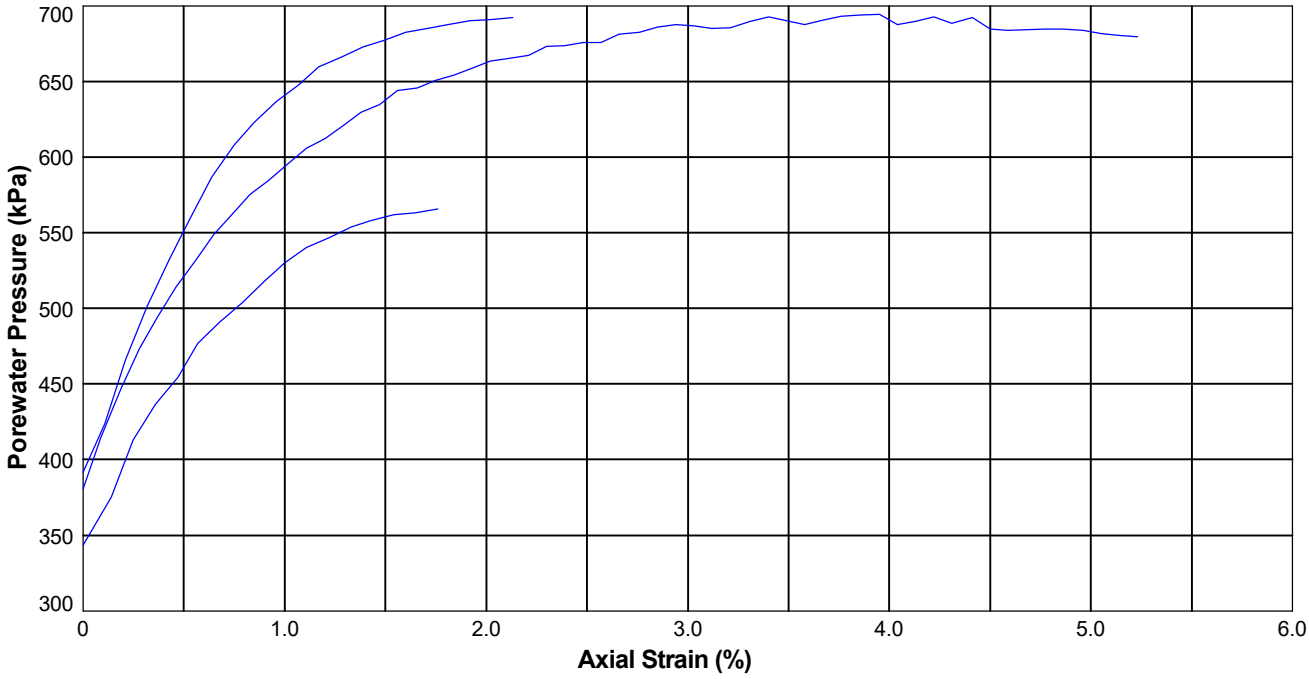
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Borehole : **CH2019_R2** Sample Ref : **52** Sample Type : **C** Depth (m) : **74.79**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted] piled By	Date
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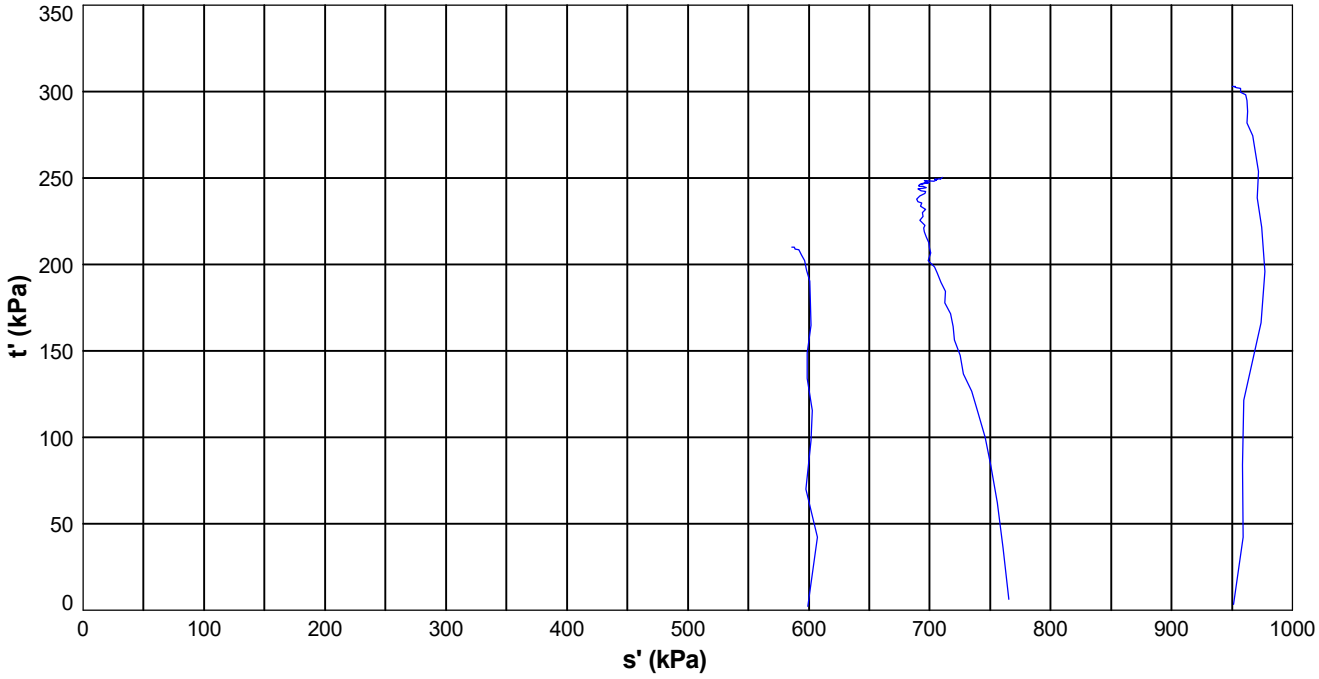
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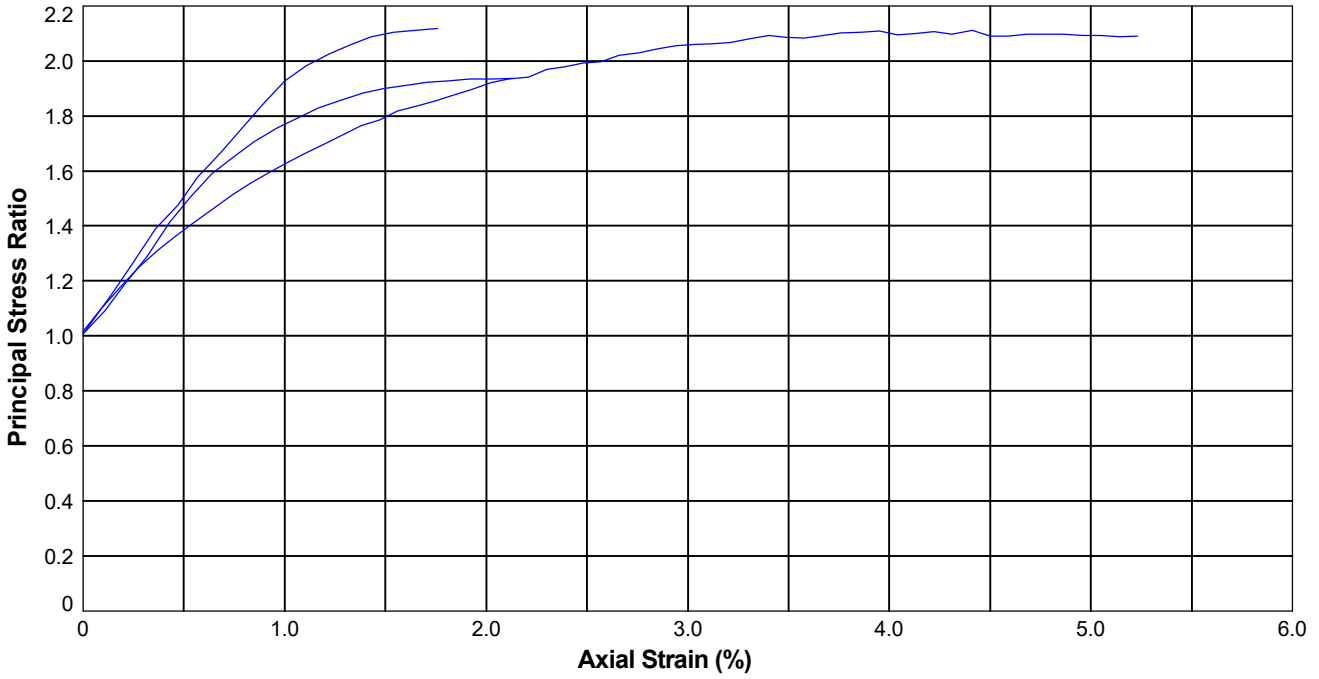
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Borehole : **CH2019_R2** Sample Ref : **52** Sample Type : **C** Depth (m) : **74.79**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
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Bedminster
Bristol
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Compiled By	Date
[redacted] **DAISY RICHARDS**	**11/05/20**

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Sizewell C Onshore GI Phase 2 2019

Contract Ref:

734318

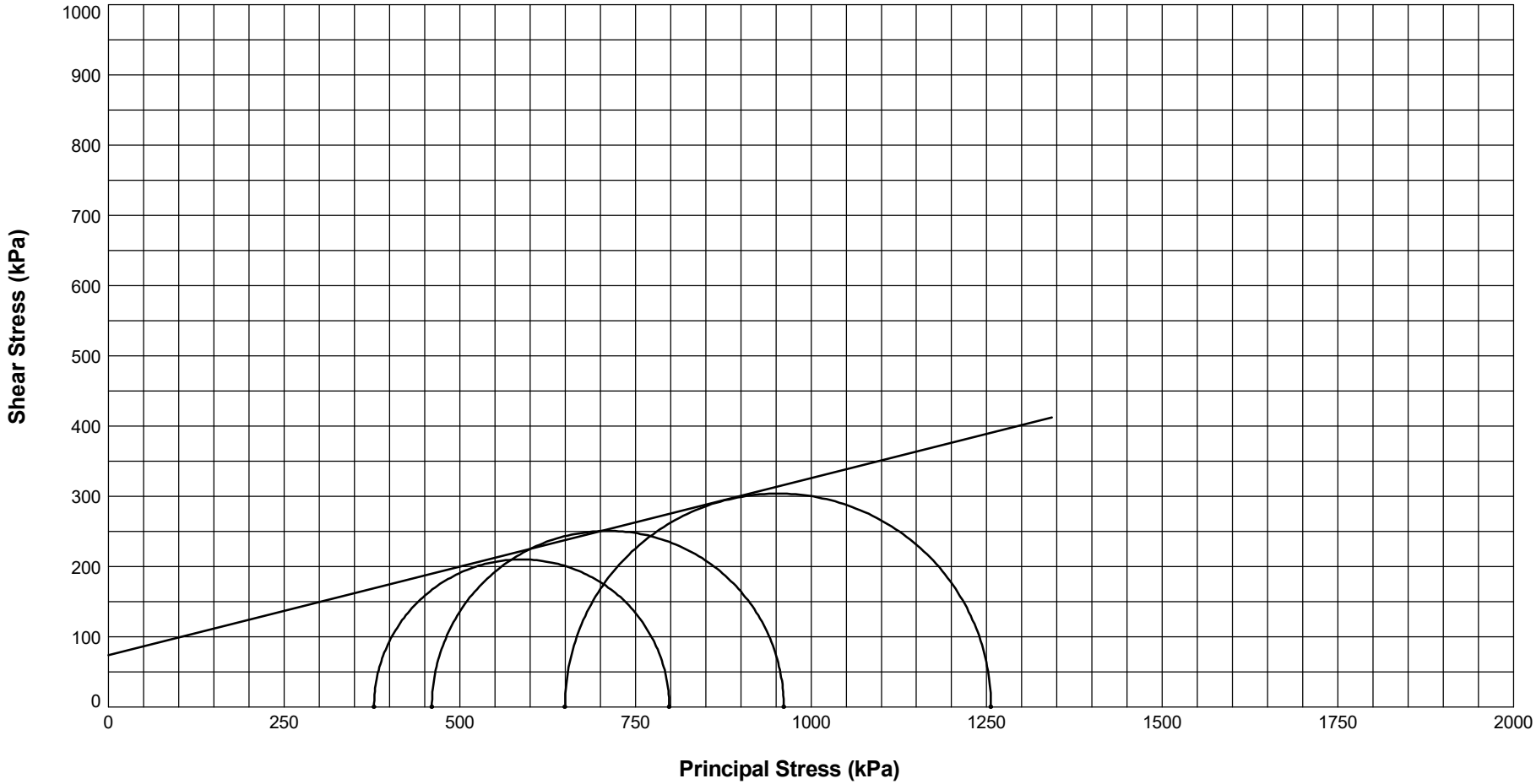
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **CH2019_R2** Sample Ref : **52** Sample Type : **C** Depth (m) : **74.79**



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Contract Ref:

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **2** Sample Type : **C** Depth (m) : **10.80**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown slightly gravelly slightly silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.01**	**50.05**	**50.05**
Initial Height (mm)	**100.17**	**100.18**	**100.16**
Initial Mass (g)	**378.68**	**379.54**	**379.36**
Initial Moisture Content (%)	**15**	**14**	**14**
Initial Bulk Density (Mg/m^3)	**1.92**	**1.93**	**1.92**
Initial Dry Density (Mg/m^3)	**1.67**	**1.69**	**1.69**
Initial B-Value	**0.11**	**0.08**	**0.10**
Final Moisture Content (%)	**22**	**21**	**20**
Final Bulk Density (Mg/m^3)	**2.04**	**2.06**	**2.06**
Final Dry Density (Mg/m^3)	**1.68**	**1.70**	**1.71**
SATURATION			
Duration (days)	**8**	**8**	**8**
Final B-Value	**1.00**	**0.97**	**0.99**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**590**	**740**	**989.7**
Back Pressure (kPa)	**490**	**491**	**489.7**
Initial Volume (cm^3)	**196.742**	**197.051**	**197.077**
Final Volume (cm^3)	**195.922**	**195.351**	**194.437**
Change in Volume (cm^3)	**0.820**	**1.700**	**2.640**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**590**	**740**	**989**
Initial Porewater Pressure (kPa)	**492.4**	**495.2**	**493.8**
Strain Rate (mm/min)	**0.01389**	**0.01387**	**0.01385**
Axial Strain at Failure (%)	**3.57**	**4.04**	**5.94**
Time to Failure (h)	**4.3**	**4.8**	**7.1**
Deviator Stress at Failure (kPa)	**1794.5**	**2159.7**	**2915.6**
Porewater Pressure at Failure (kPa)	**-30.3**	**-23.9**	**-59.5**
Effective Major Principal Stress (kPa)	**2414.8**	**2923.6**	**3963.6**
Effective Minor Principal Stress (kPa)	**620.3**	**763.9**	**1048.0**
Effective Principal Stress Ratio	**3.89**	**3.83**	**3.78**
Pore Pressure Coefficient - A_f	**-0.29**	**-0.24**	**-0.19**

Effective Cohesion (kPa) : **58** Angle of Shear Resistance (degs) : **34**

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Job No: **734318**

Sizewell C Onshore GI Phase 2 2019

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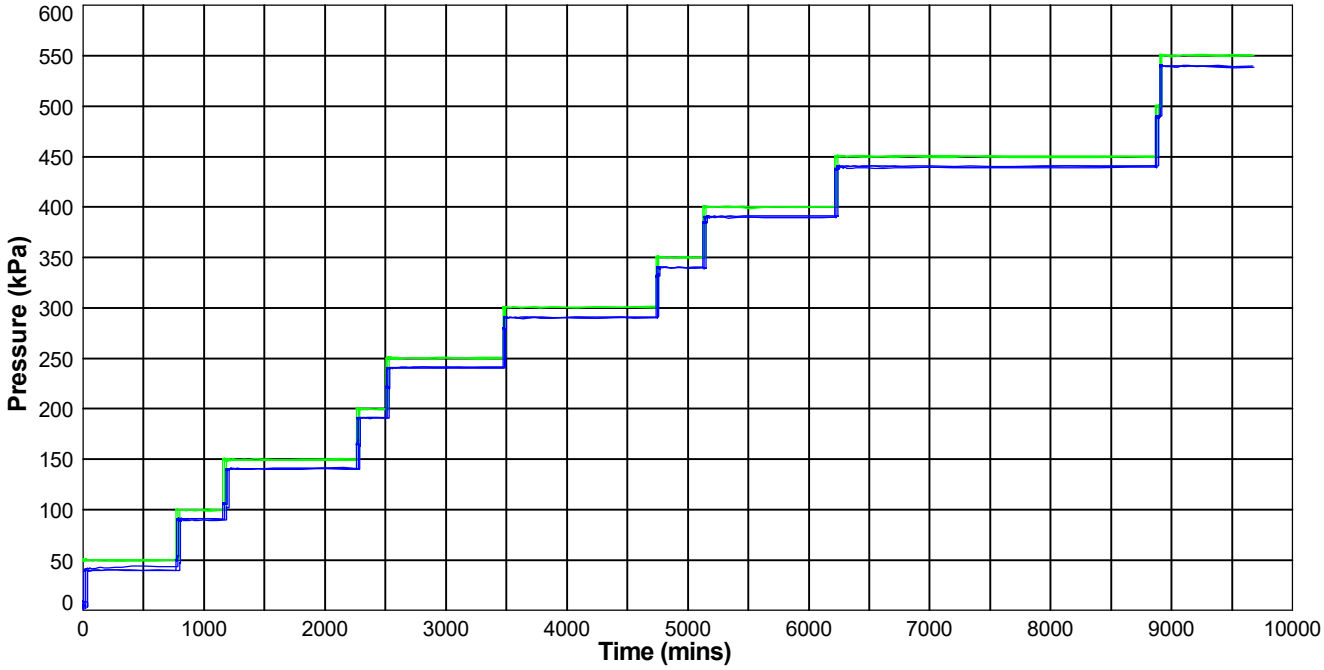
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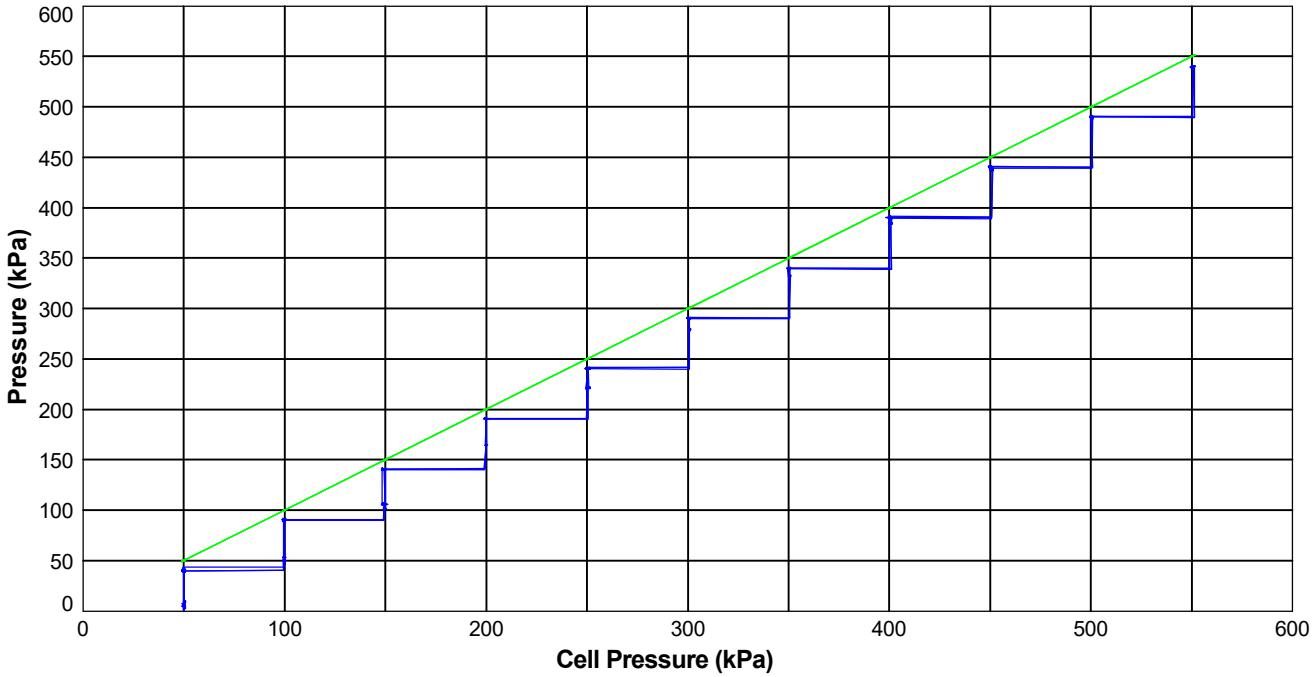
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **2** Sample Type : **C** Depth (m) : **10.80**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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	C **Sizewell C Onshore GI Phase 2 2019**	Contract Ref: **734318**	

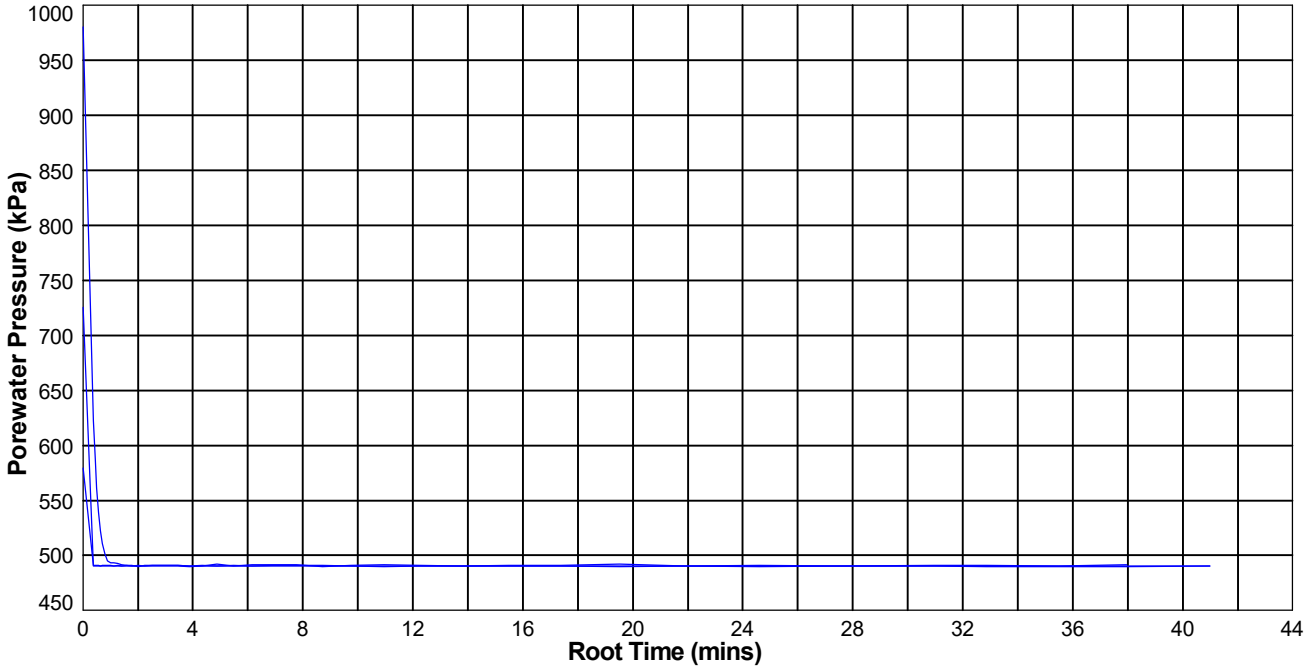
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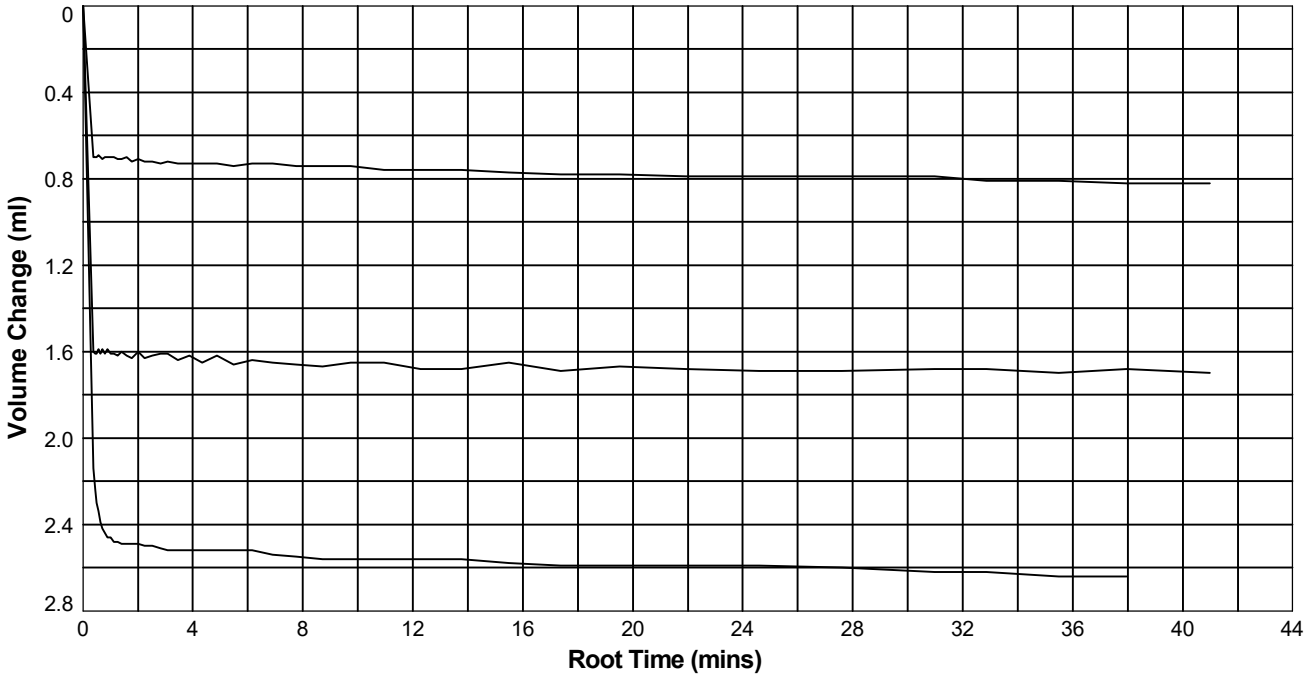
Borehole : **DCBH2019_2** Sample Ref : **2** Sample Type : **C** Depth (m) : **10.80**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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	Date
FRANCESCA BENNETT	**11/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

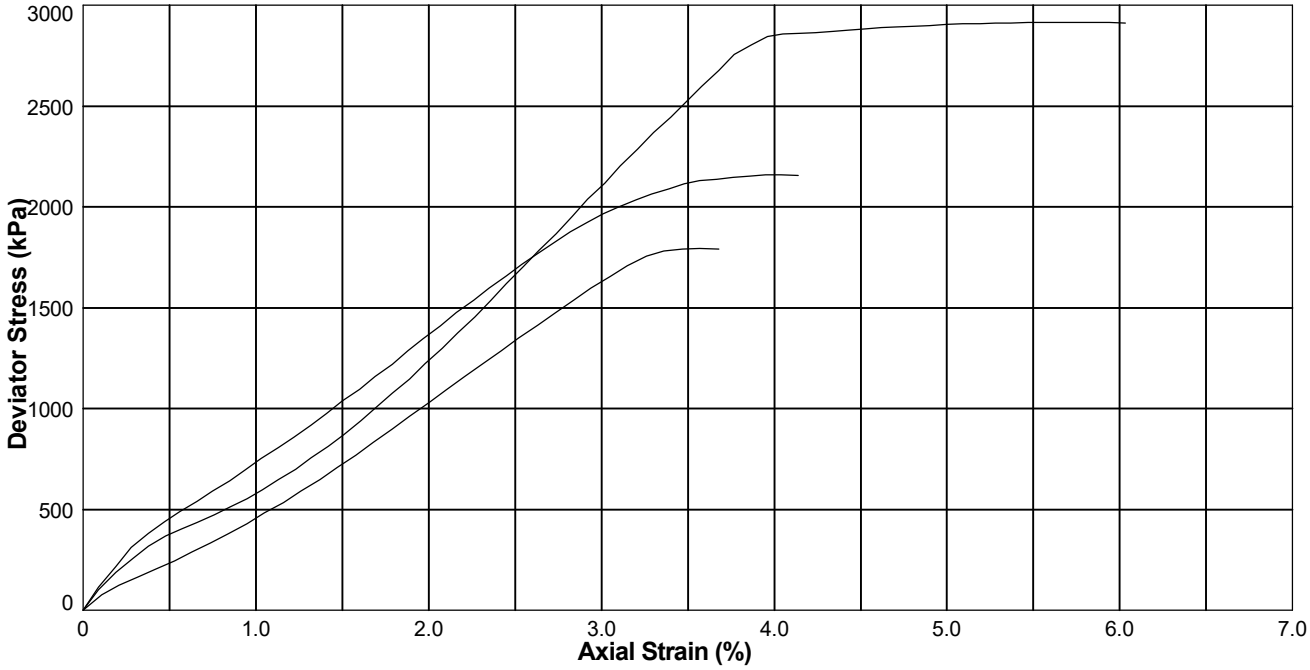
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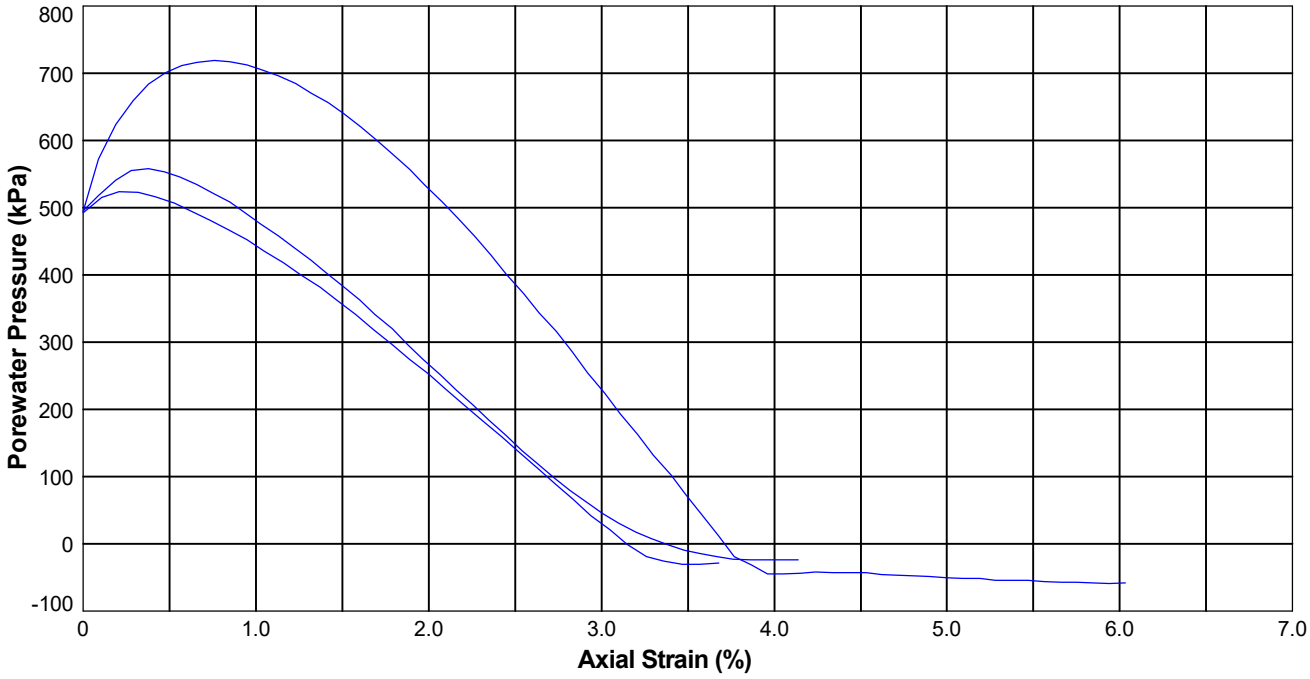
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Borehole : **DCBH2019_2** Sample Ref : **2** Sample Type : **C** Depth (m) : **10.80**

SHEAR STAGE



SHEAR STAGE



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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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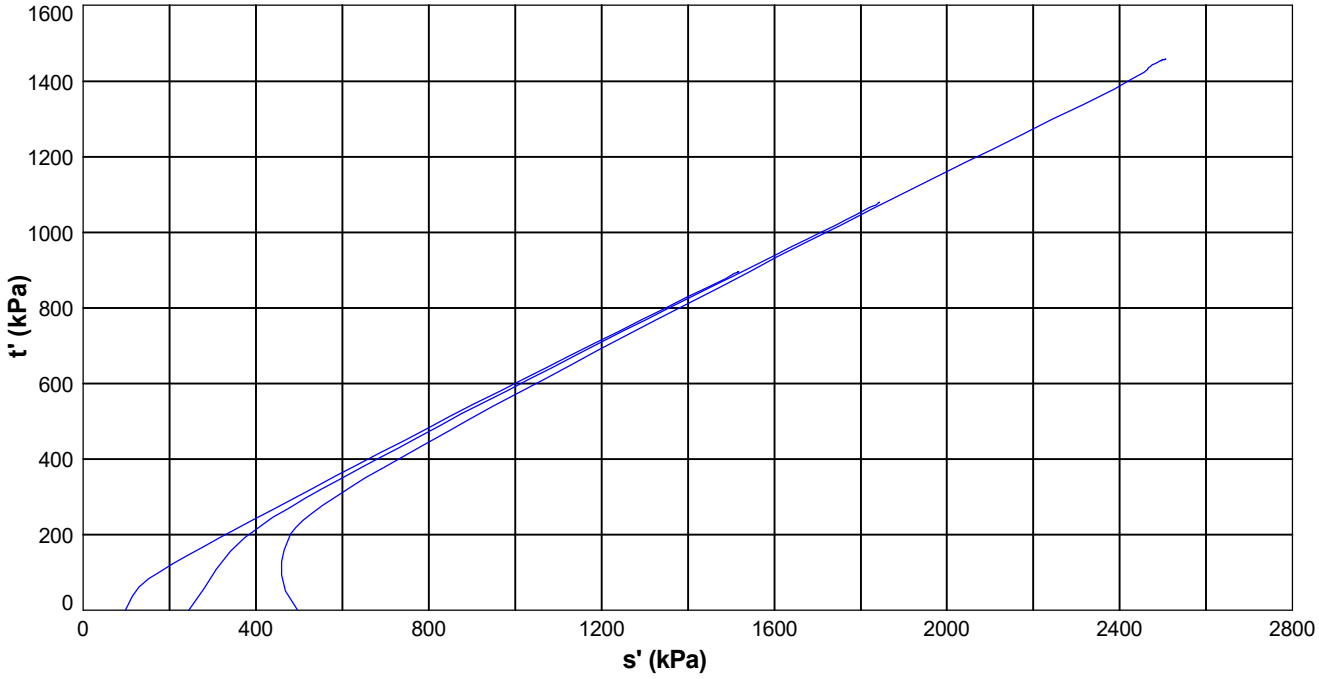
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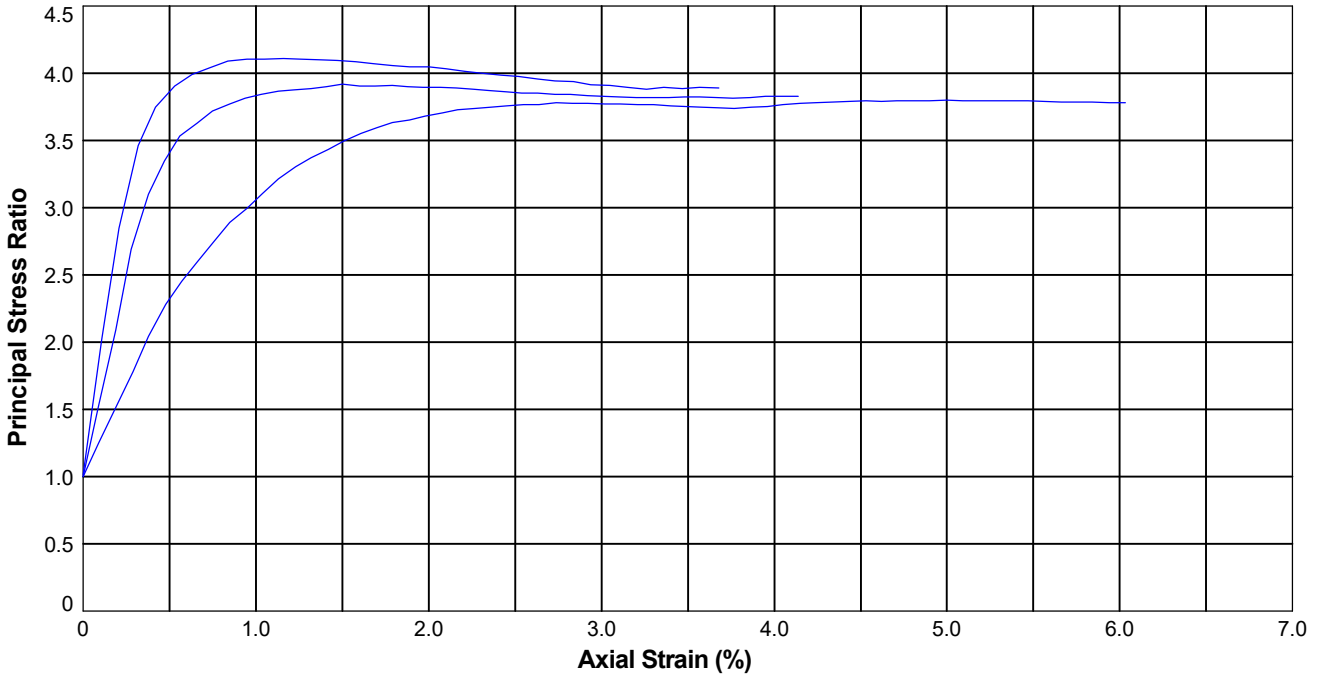
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Borehole : **DCBH2019_2** Sample Ref : **2** Sample Type : **C** Depth (m) : **10.80**

SHEAR STAGE



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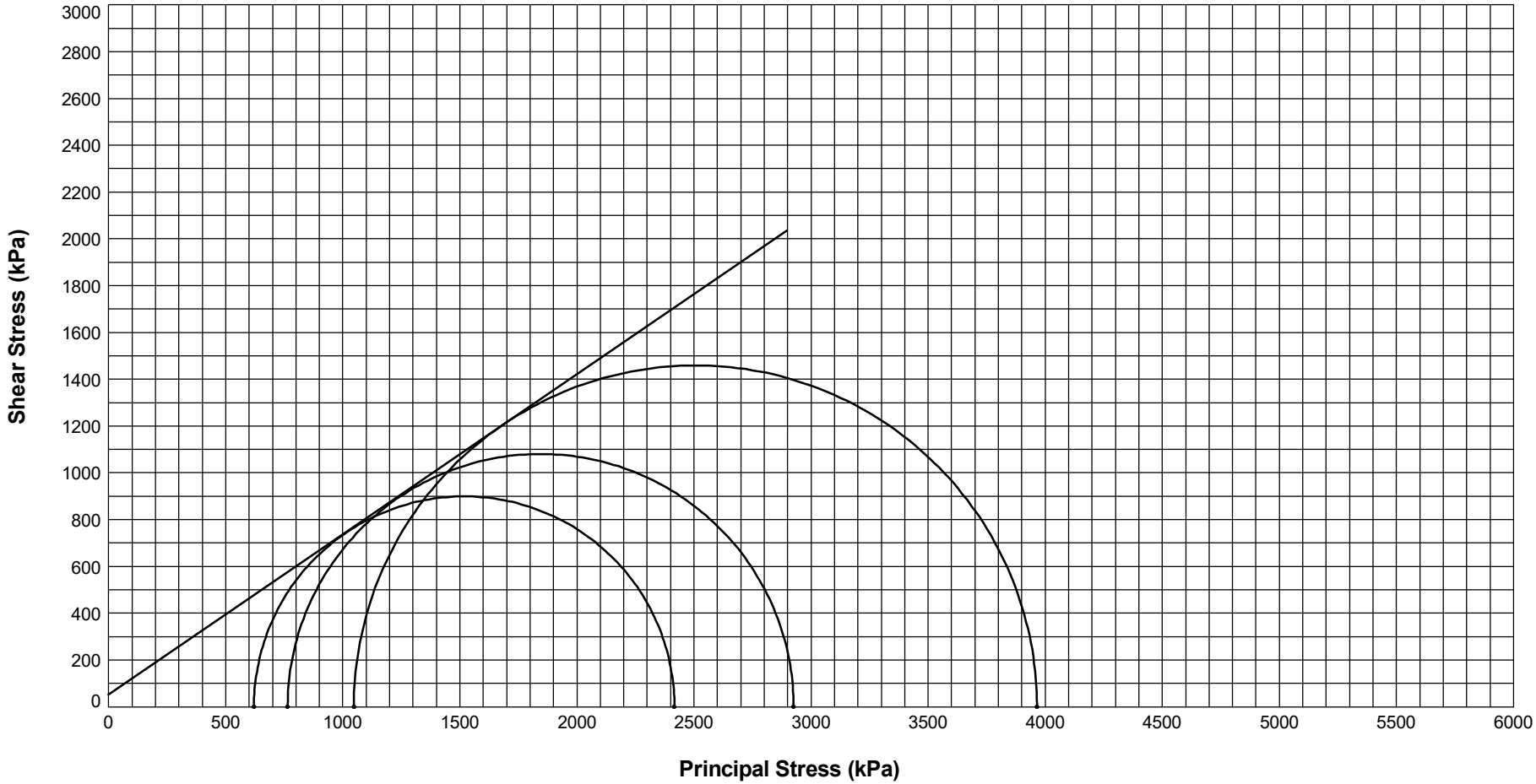
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_2** Sample Ref : **2** Sample Type : **C** Depth (m) : **10.80**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **9** Sample Type : **C** Depth (m) : **16.05**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown clayey SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**101.57**	**101.46**	**101.73**
Initial Height (mm)	**202.85**	**202.26**	**202.74**
Initial Mass (g)	**3206.81**	**3166.52**	**3211.69**
Initial Moisture Content (%)	**18**	**19**	**18**
Initial Bulk Density (Mg/m^3)	**1.95**	**1.94**	**1.95**
Initial Dry Density (Mg/m^3)	**1.65**	**1.63**	**1.65**
Initial B-Value	**0.18**	**0.10**	**0.10**
Final Moisture Content (%)	**25**	**24**	**25**
Final Bulk Density (Mg/m^3)	**2.06**	**2.06**	**2.08**
Final Dry Density (Mg/m^3)	**1.66**	**1.65**	**1.67**
SATURATION			
Duration (days)	**11**	**11**	**10**
Final B-Value	**0.95**	**0.95**	**0.95**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740.6**	**939.8**	**1190.9**
Back Pressure (kPa)	**640**	**642.2**	**590.2**
Initial Volume (cm^3)	**1643.68**	**1635.297**	**1647.833**
Final Volume (cm^3)	**1638.285**	**1616.207**	**1625.223**
Change in Volume (cm^3)	**5.395**	**19.090**	**22.610**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740.2**	**939.9**	**1190.1**
Initial Porewater Pressure (kPa)	**638.5**	**641.3**	**593**
Strain Rate (mm/min)	**0.02937**	**0.02920**	**0.02803**
Axial Strain at Failure (%)	**8.06**	**18.92**	**7.86**
Time to Failure (h)	**9.3**	**21.8**	**9.4**
Deviator Stress at Failure (kPa)	**981.4**	**1348.0**	**2361.6**
Porewater Pressure at Failure (kPa)	**373.3**	**358.2**	**252.5**
Effective Major Principal Stress (kPa)	**1348.3**	**1929.7**	**3297.9**
Effective Minor Principal Stress (kPa)	**366.9**	**581.7**	**936.3**
Effective Principal Stress Ratio	**3.68**	**3.32**	**3.52**
Pore Pressure Coefficient - A_f	**-0.27**	**-0.21**	**-0.14**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **34**

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C **Sizewell C Onshore GI Phase 2 2019**

Job No **734318**

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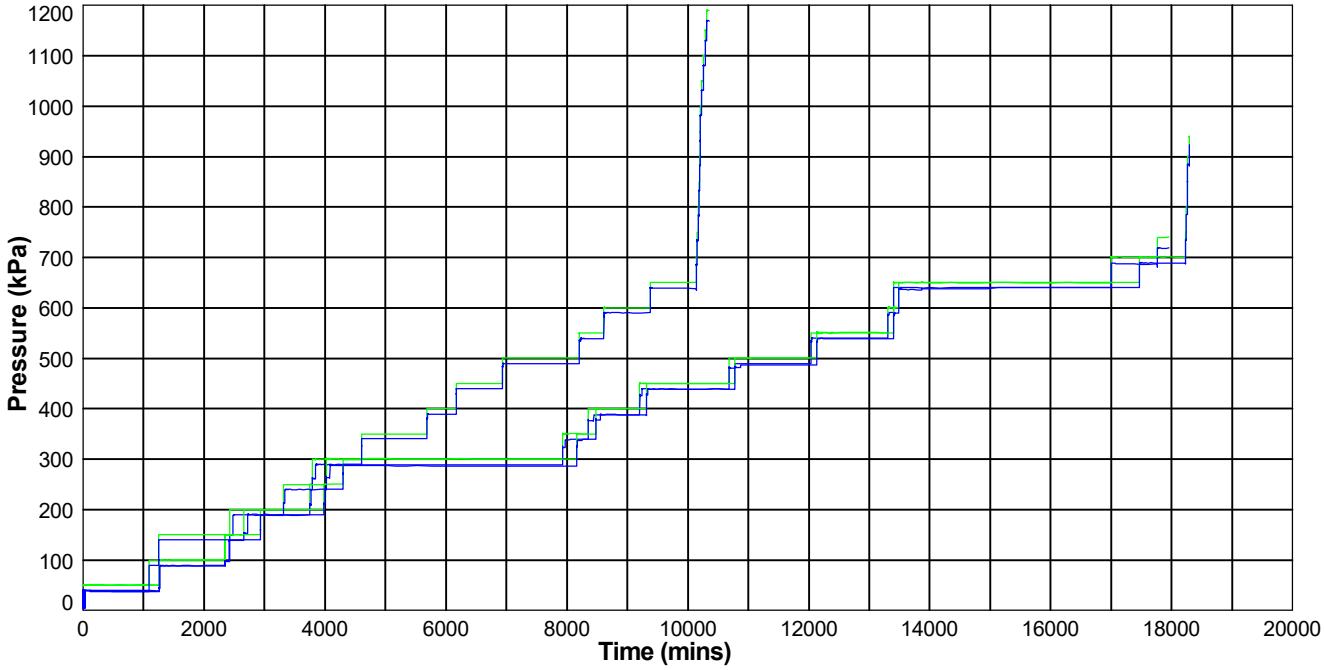
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

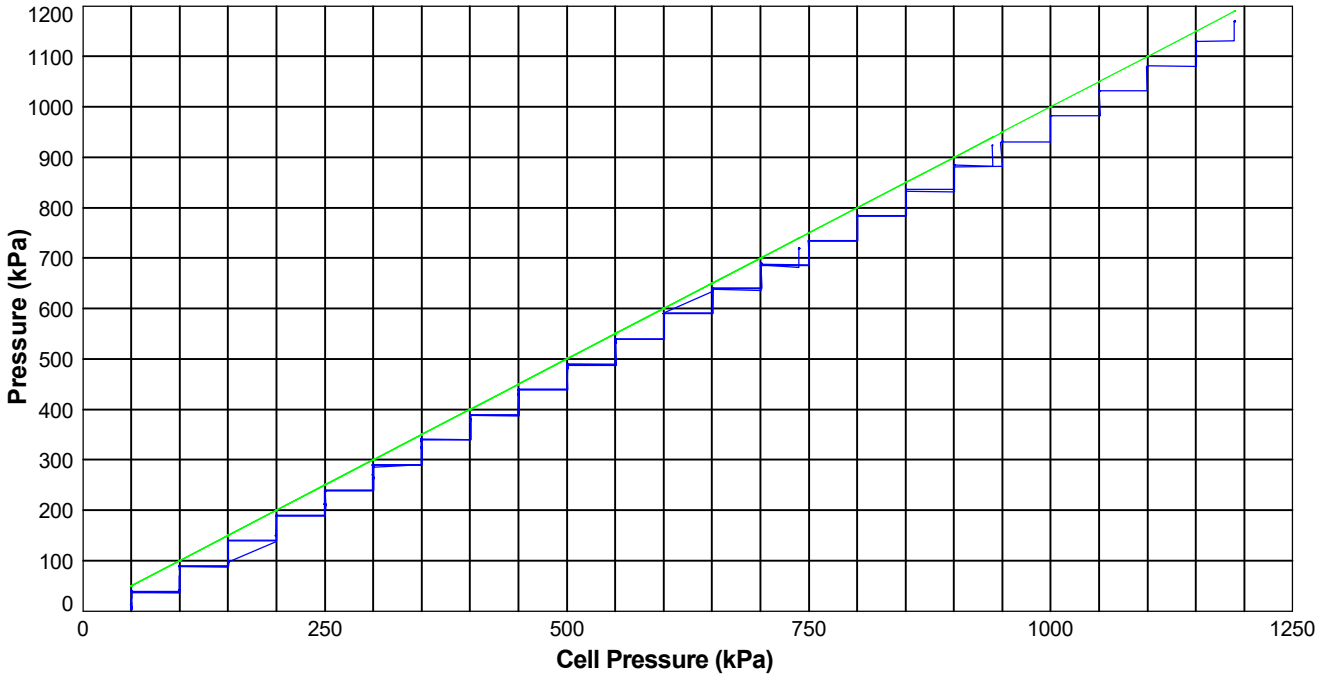
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **9** Sample Type : **C** Depth (m) : **16.05**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted] d By DAISY RICHARDS	Date 11/05/20
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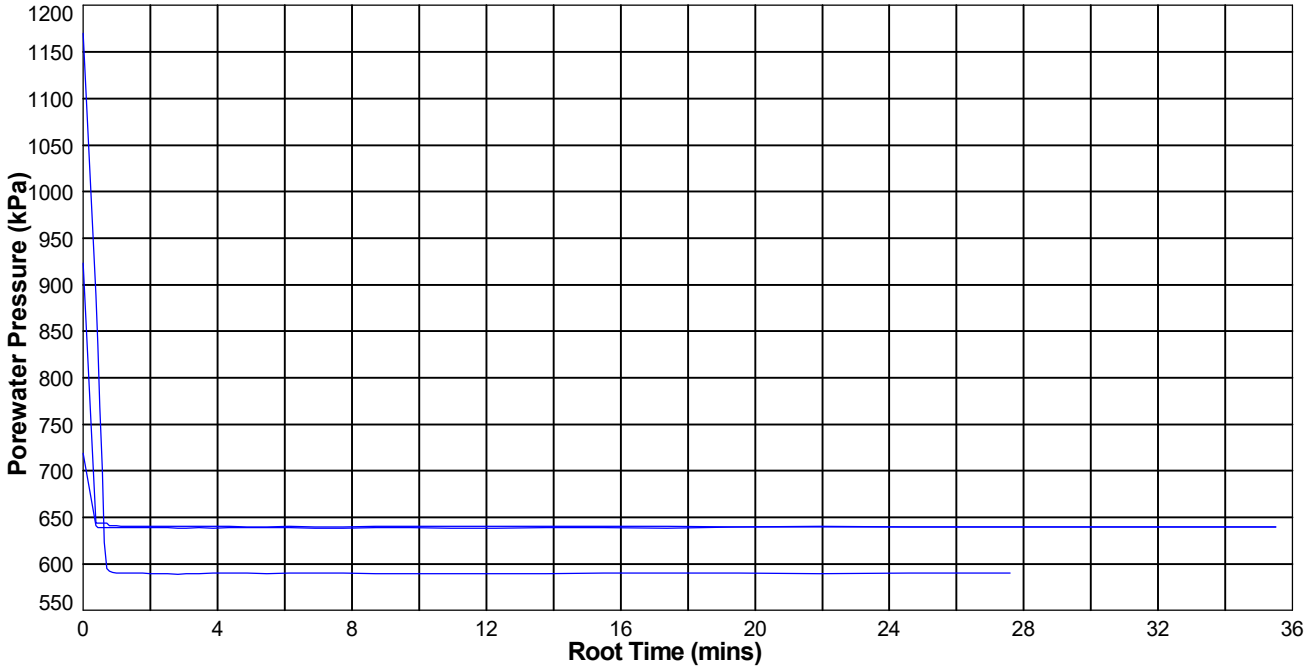
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

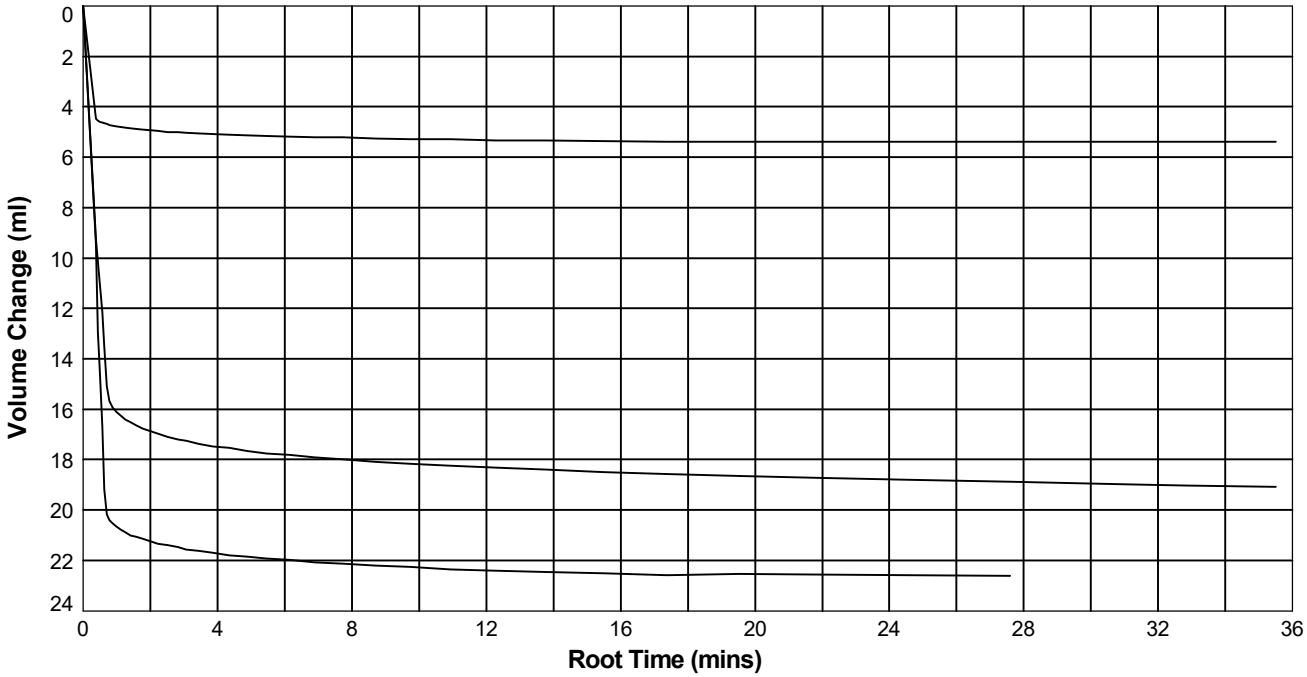
Borehole : **DCBH2019_2** Sample Ref : **9** Sample Type : **C** Depth (m) : **16.05**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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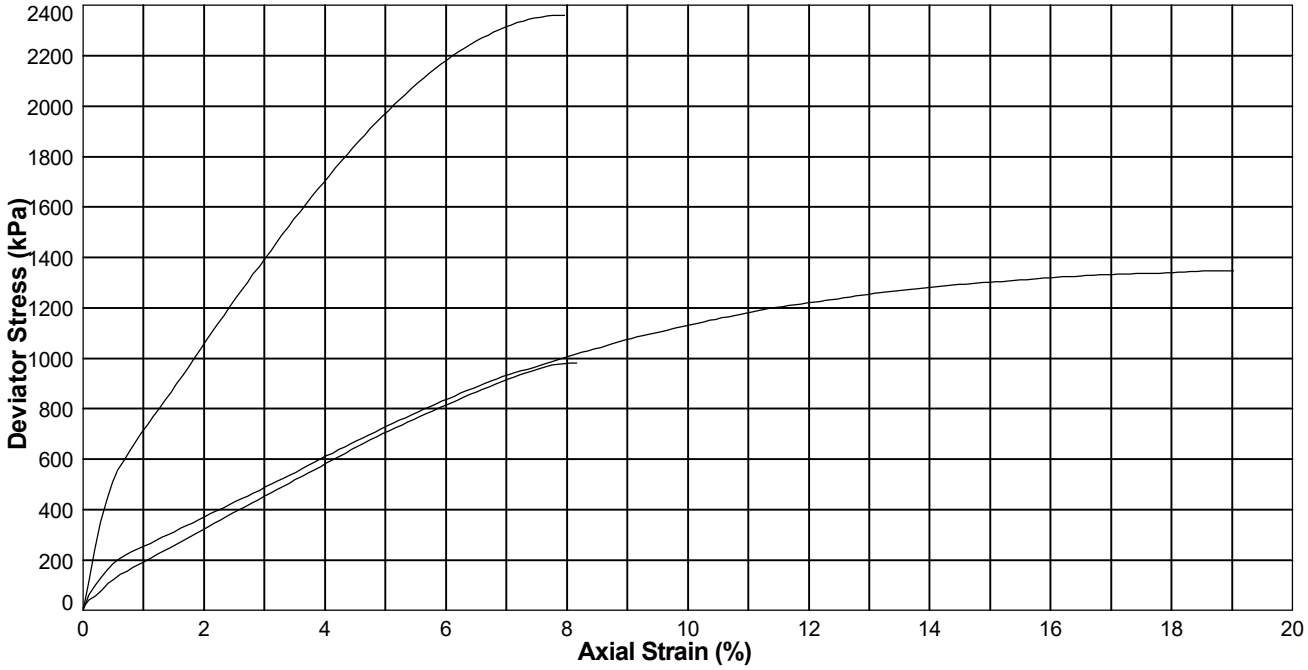
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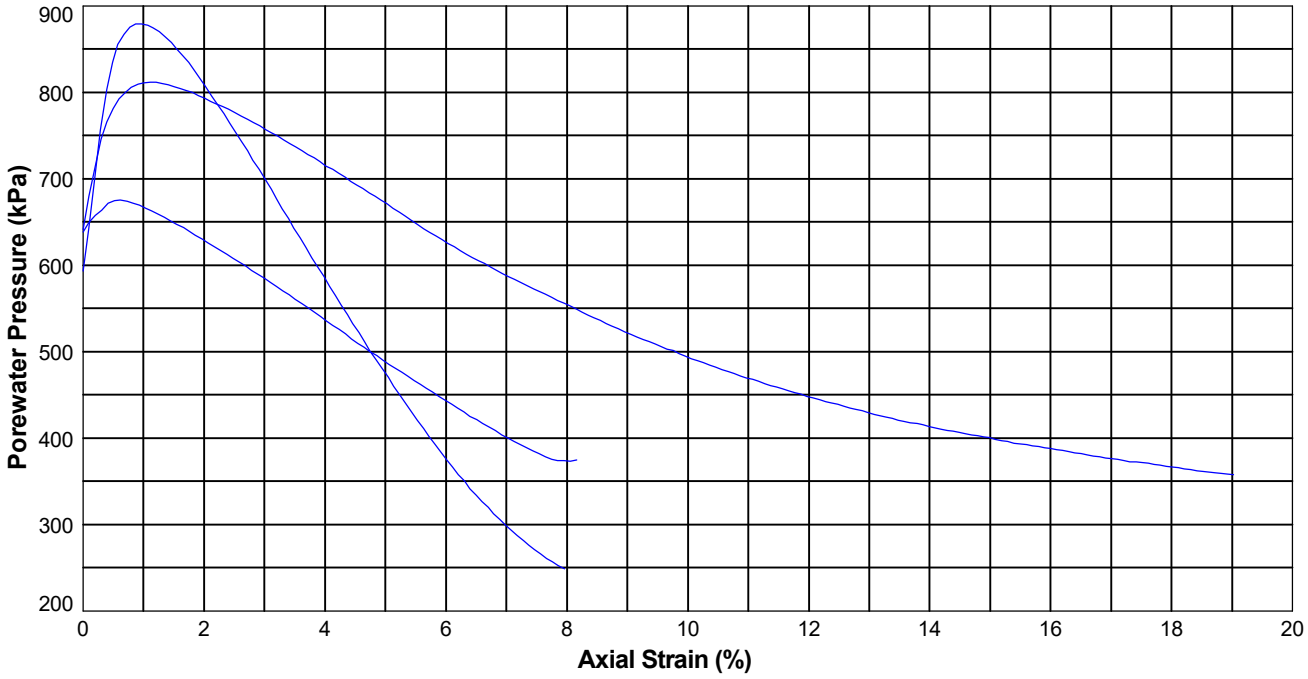
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **9** Sample Type : **C** Depth (m) : **16.05**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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	By	Date
	DAISY RICHARDS	11/05/20
Co [redacted]		Contract Ref:
Sizewell C Onshore GI Phase 2 2019		734318

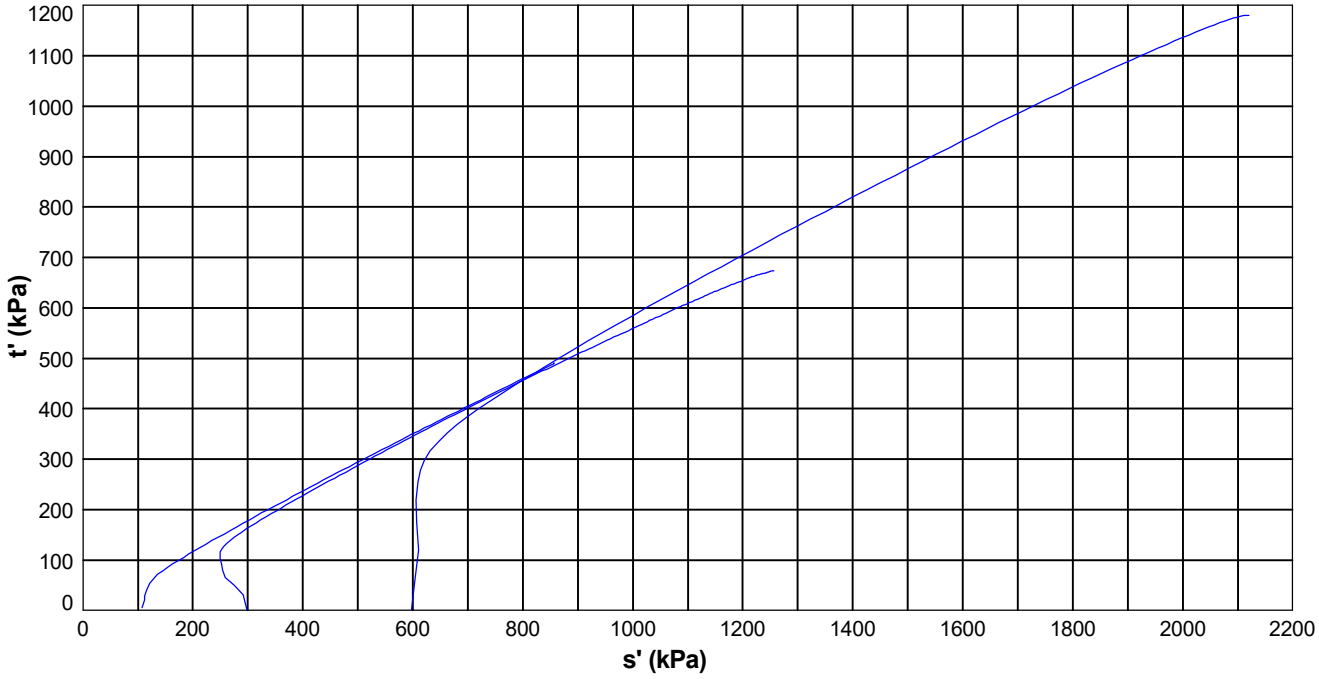
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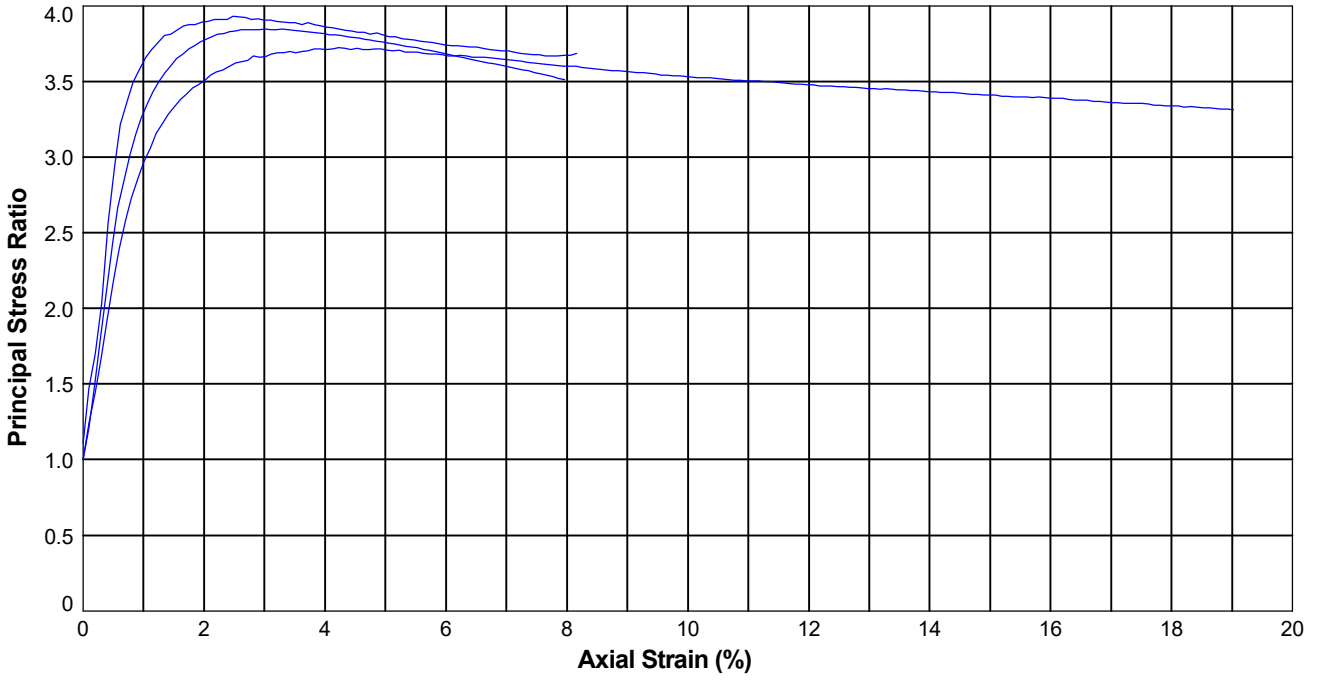
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Borehole : **DCBH2019_2** Sample Ref : **9** Sample Type : **C** Depth (m) : **16.05**

SHEAR STAGE



SHEAR STAGE



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Sizewell C Onshore GI Phase 2 2019

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DAISY RICHARDS **12/05/20**

Contract Ref:

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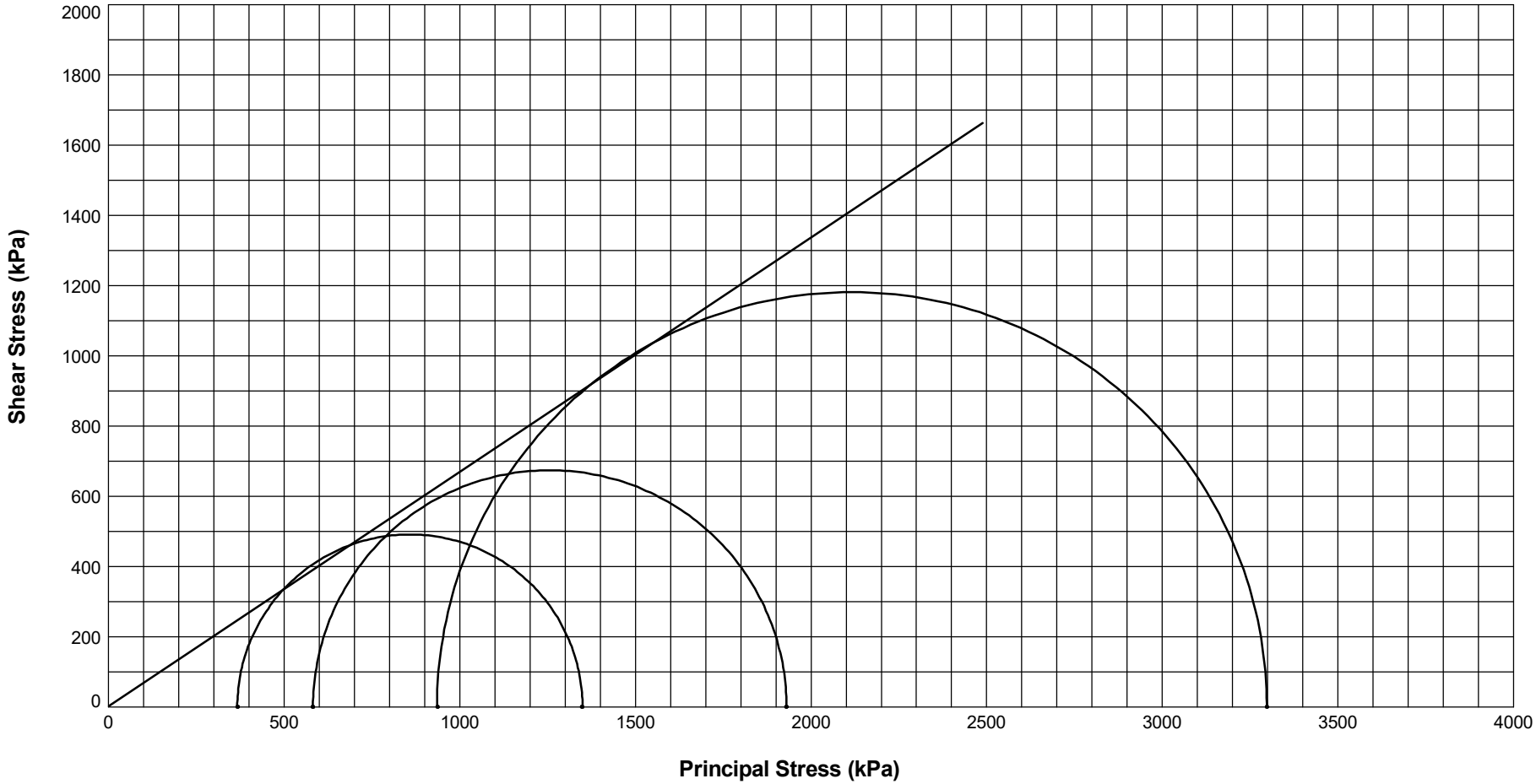
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_2** Sample Ref : **9** Sample Type : **C** Depth (m) : **16.05**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **51** Sample Type : **C** Depth (m) : **65.16**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Greyish brown mottled grey silty/clayey SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**49.43**	**49.55**	**49.58**
Initial Height (mm)	**100.13**	**100.14**	**100.22**
Initial Mass (g)	**357.54**	**358.86**	**358.47**
Initial Moisture Content (%)	**13**	**13**	**15**
Initial Bulk Density (Mg/m^3)	**1.86**	**1.86**	**1.85**
Initial Dry Density (Mg/m^3)	**1.65**	**1.64**	**1.61**
Initial B-Value	**0.18**	**0.11**	**0.10**
Final Moisture Content (%)	**24**	**24**	**25**
Final Bulk Density (Mg/m^3)	**2.08**	**2.09**	**2.05**
Final Dry Density (Mg/m^3)	**1.68**	**1.68**	**1.65**
SATURATION			
Duration (days)	**6**	**7**	**8**
Final B-Value	**0.95**	**0.95**	**1.00**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**940**	**1190**	**1340**
Back Pressure (kPa)	**540**	**590**	**540**
Initial Volume (cm^3)	**192.115**	**193.108**	**193.470**
Final Volume (cm^3)	**189.005**	**188.288**	**189.160**
Change in Volume (cm^3)	**3.110**	**4.820**	**4.310**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**940**	**1190**	**1340**
Initial Porewater Pressure (kPa)	**540**	**590.7**	**541.1**
Strain Rate (mm/min)	**0.01509**	**0.01505**	**0.01382**
Axial Strain at Failure (%)	**11.04**	**10.93**	**13.41**
Time to Failure (h)	**12.3**	**12.1**	**16.3**
Deviator Stress at Failure (kPa)	**1670.3**	**2306.0**	**2621.6**
Porewater Pressure at Failure (kPa)	**231.6**	**216.7**	**221.4**
Effective Major Principal Stress (kPa)	**2378.7**	**3279.3**	**3740.2**
Effective Minor Principal Stress (kPa)	**708.4**	**973.3**	**1118.6**
Effective Principal Stress Ratio	**3.36**	**3.37**	**3.34**
Pore Pressure Coefficient - A_f	**-0.18**	**-0.16**	**-0.12**

Effective Cohesion (kPa) : **28** Angle of Shear Resistance (degs) : **32**

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By	Date
FRANCESCA BENNETT	**29/05/20**

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

AGS

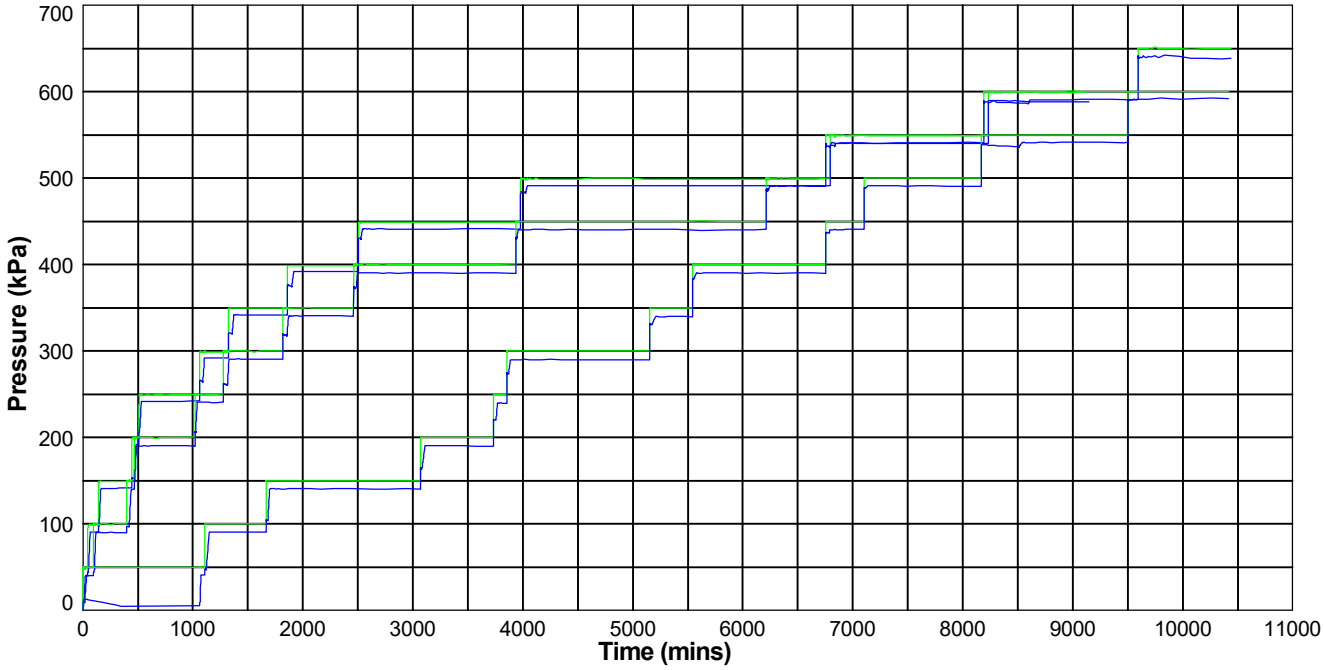
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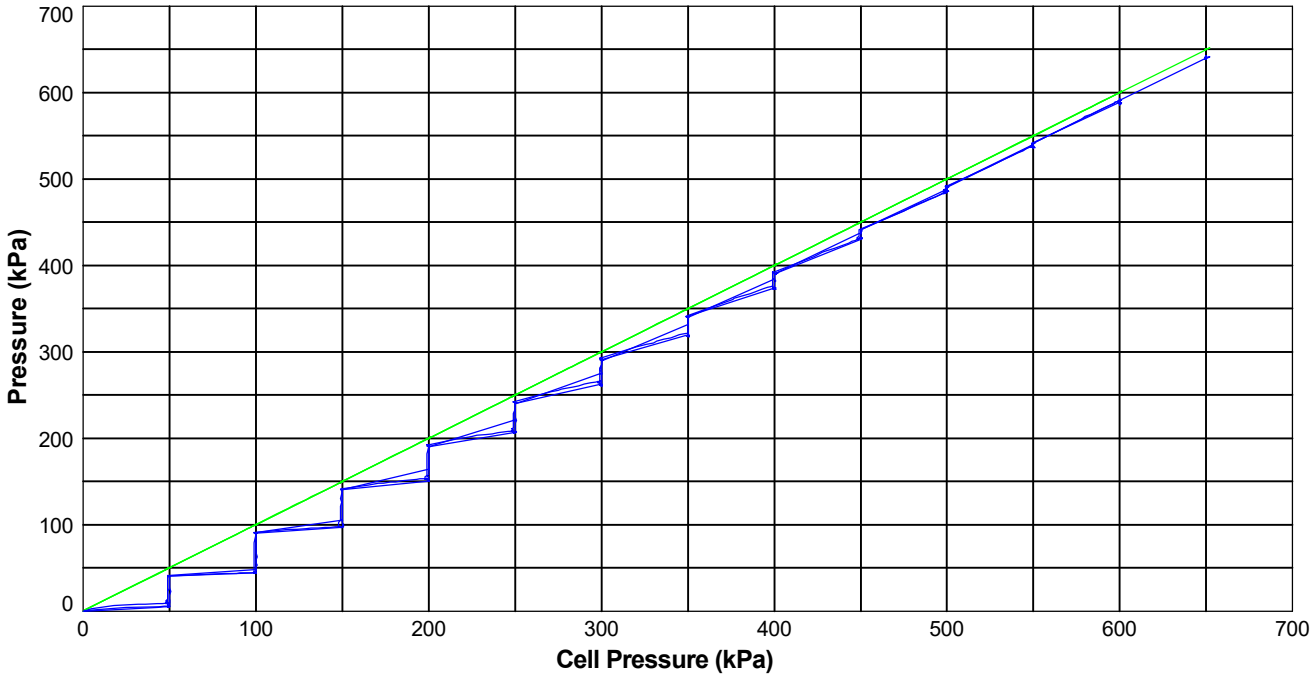
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **51** Sample Type : **C** Depth (m) : **65.16**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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	C **Sizewell C Onshore GI Phase 2 2019**	Contract Ref: **734318**

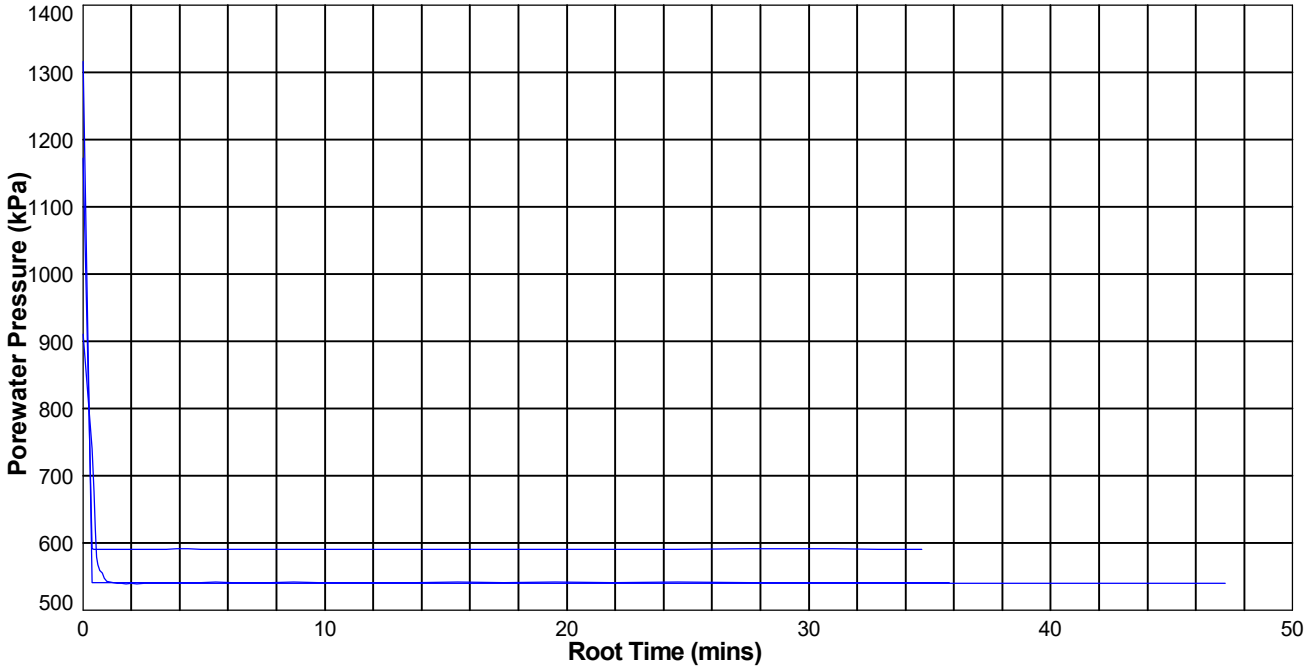
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

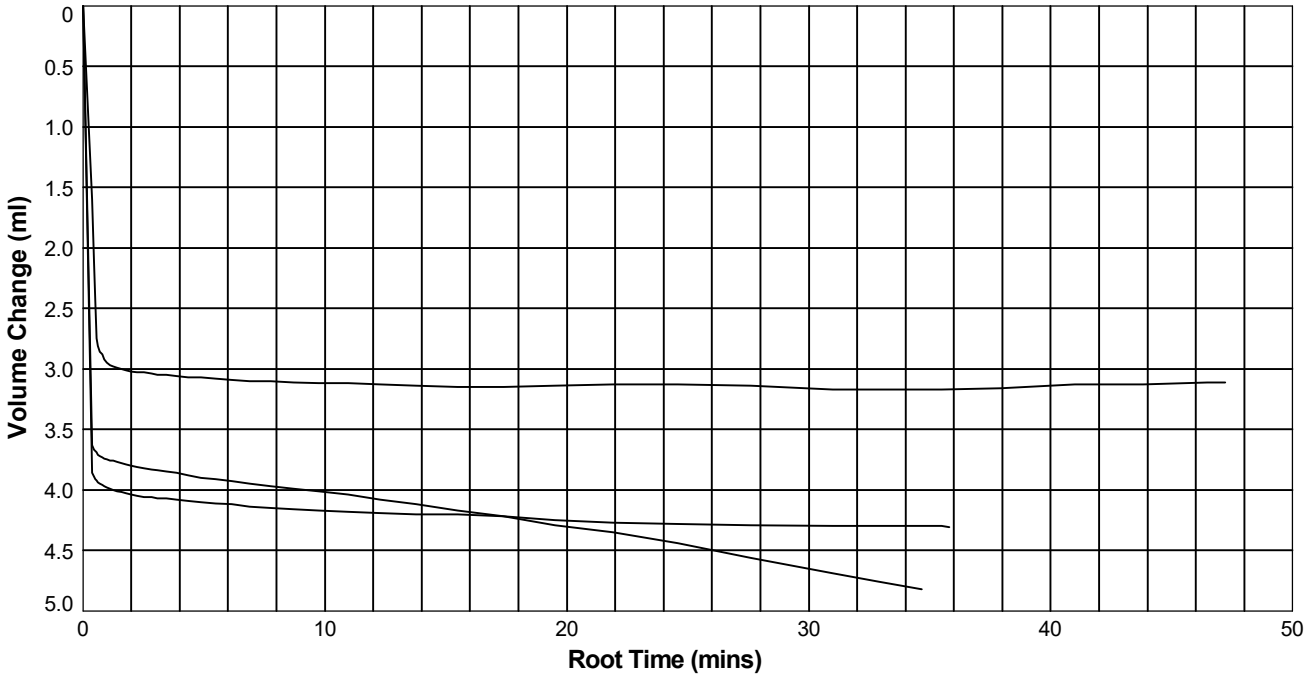
Borehole : **DCBH2019_2** Sample Ref : **51** Sample Type : **C** Depth (m) : **65.16**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted]	Date
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	C **Sizewell C Onshore GI Phase 2 2019**	Contract Ref: **734318**

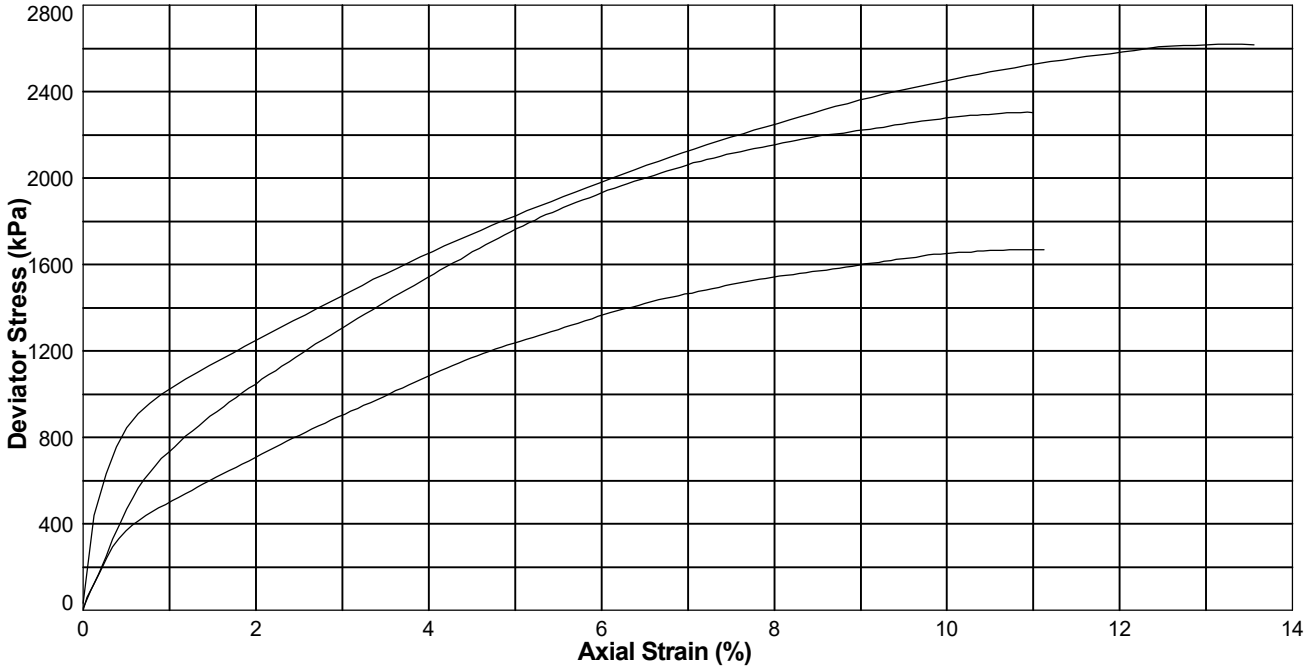
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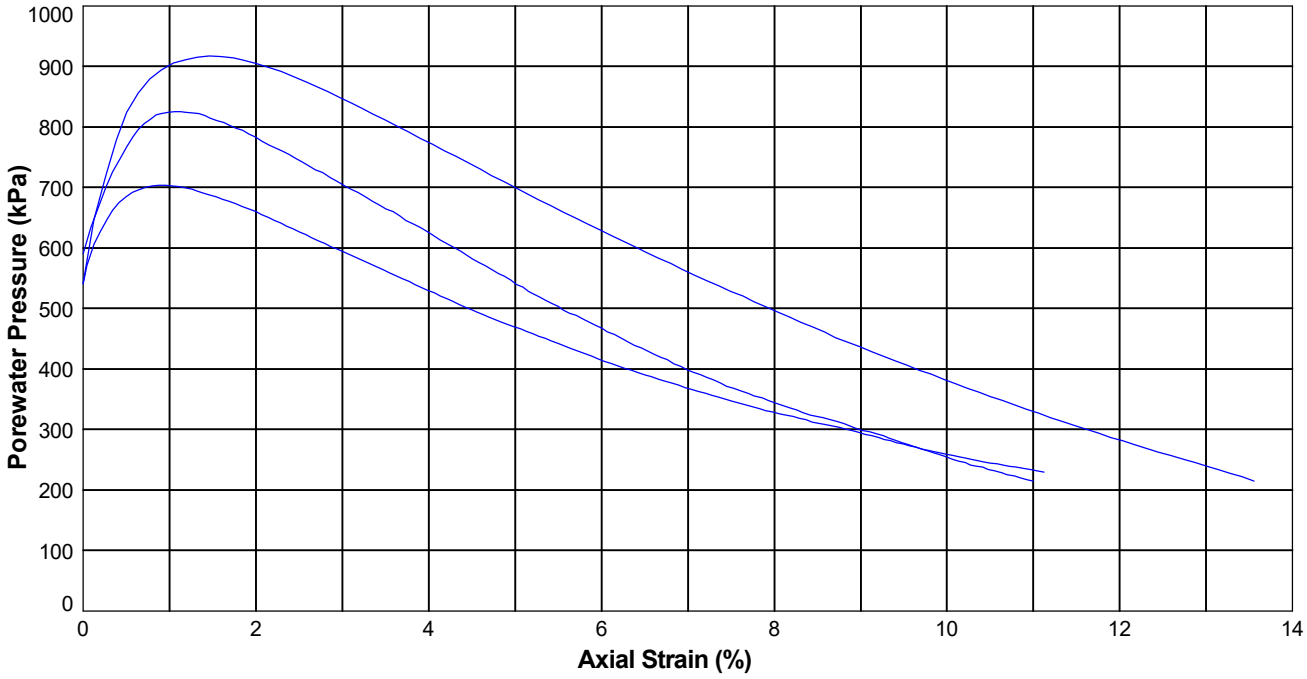
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **51** Sample Type : **C** Depth (m) : **65.16**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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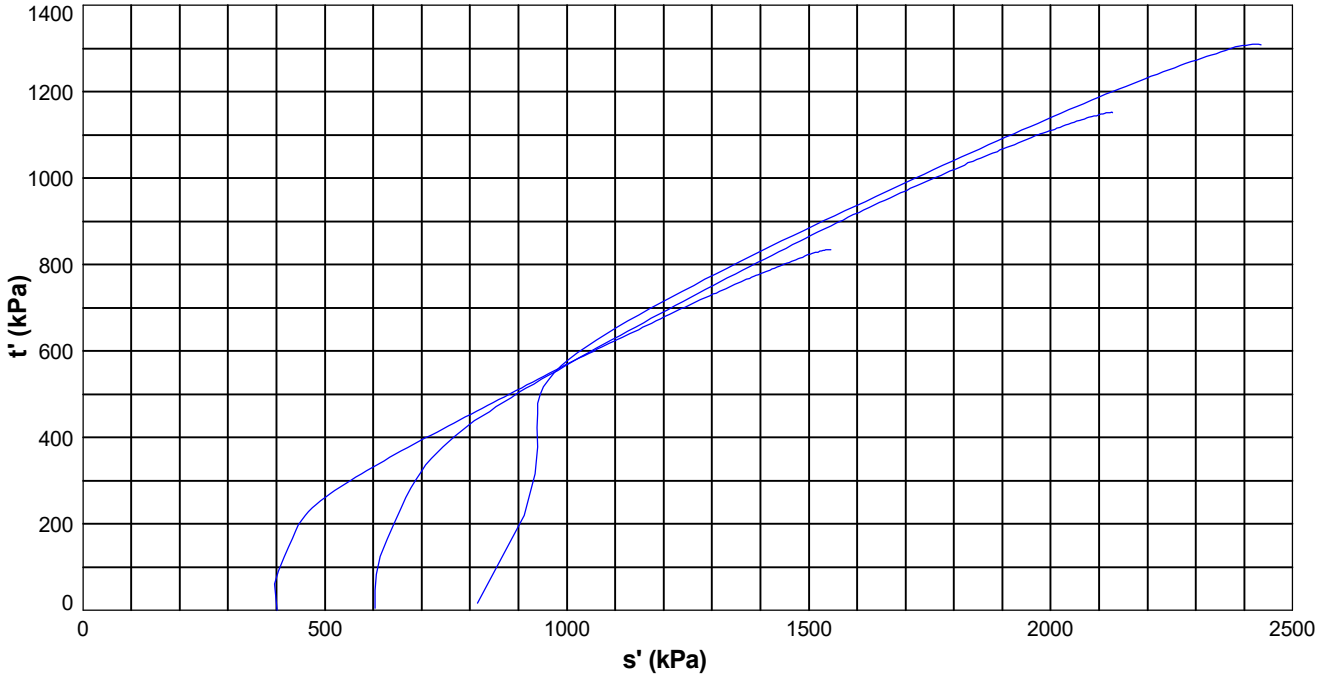
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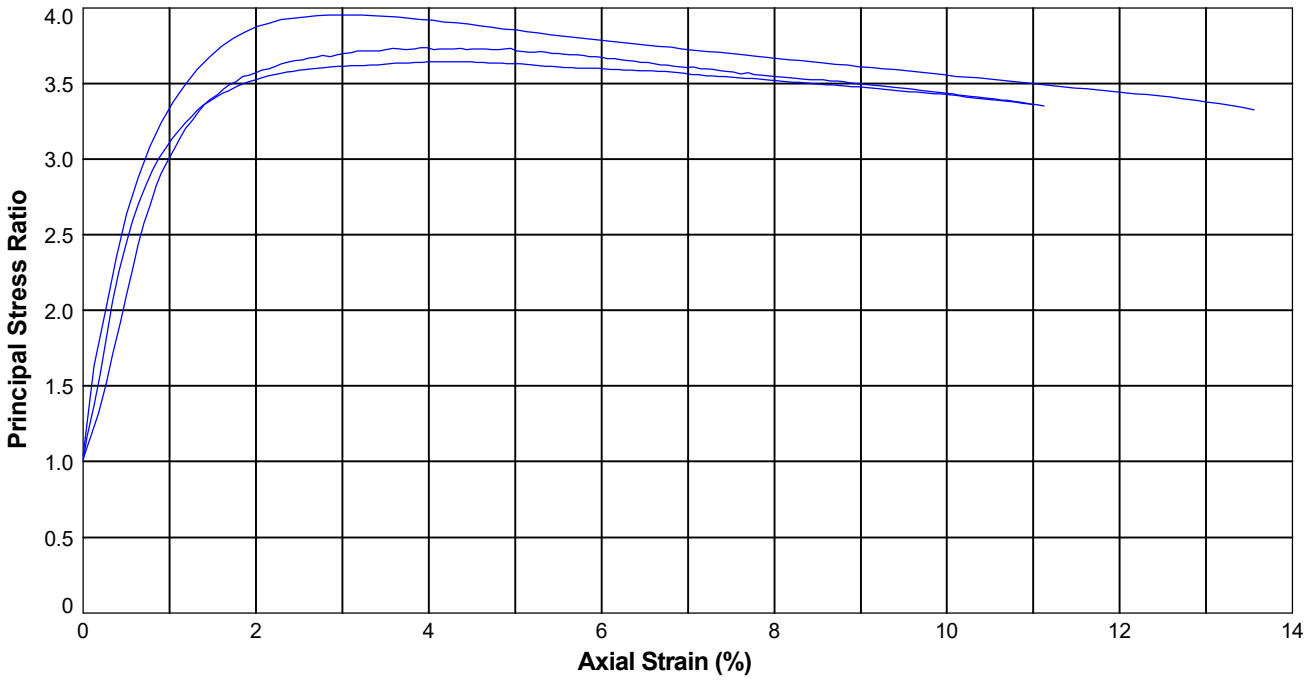
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Borehole : **DCBH2019_2** Sample Ref : **51** Sample Type : **C** Depth (m) : **65.16**

SHEAR STAGE



SHEAR STAGE



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Contract Ref: **734318**

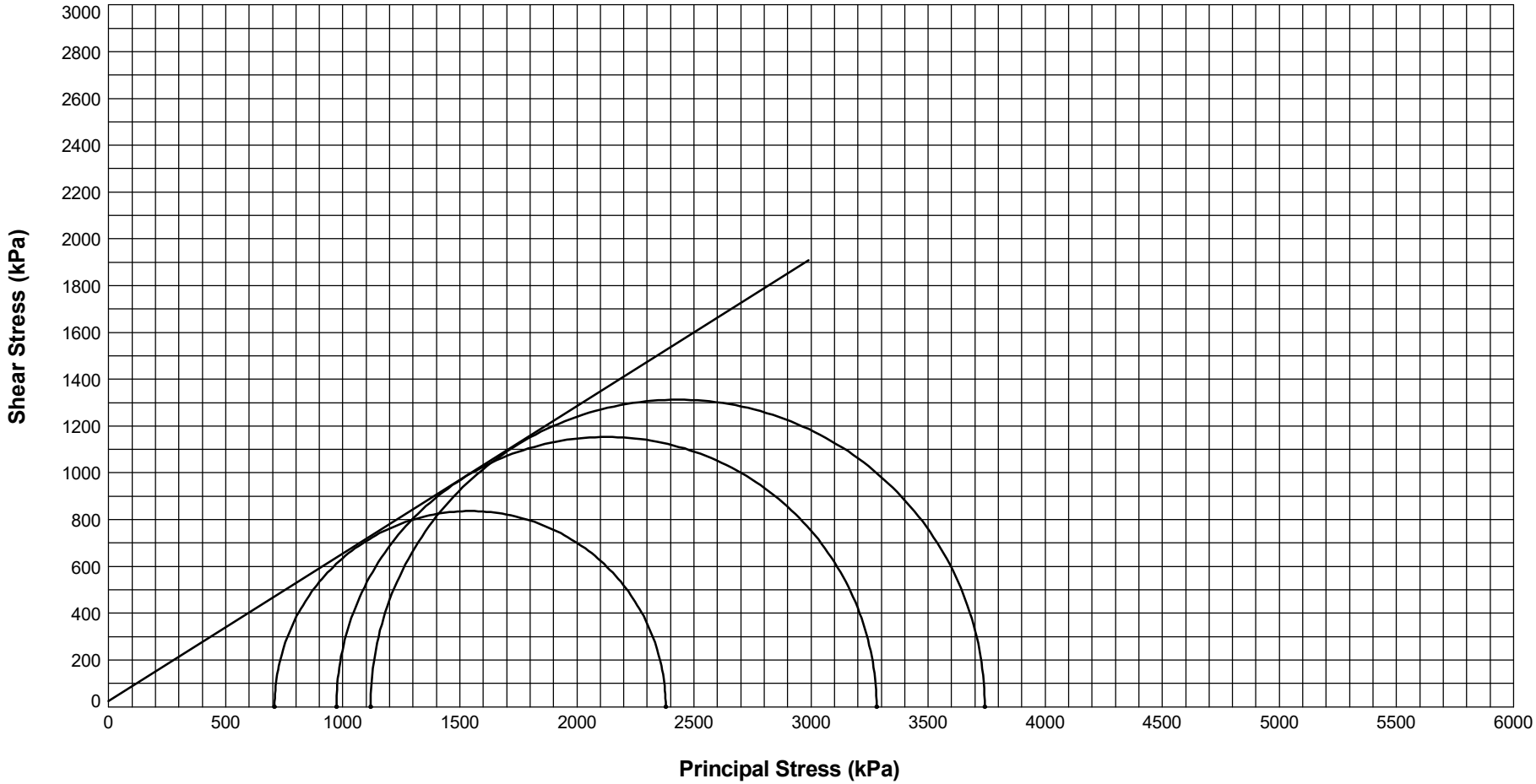
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_2** Sample Ref : **51** Sample Type : **C** Depth (m) : **65.16**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **53** Sample Type : **C** Depth (m) : **68.55**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown mottled grey slightly silty/clayey SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.21**	**49.92**	**49.58**
Initial Height (mm)	**100.21**	**99.75**	**99.97**
Initial Mass (g)	**376.68**	**371.75**	**367.01**
Initial Moisture Content (%)	**23**	**23**	**23**
Initial Bulk Density (Mg/m^3)	**1.90**	**1.90**	**1.90**
Initial Dry Density (Mg/m^3)	**1.54**	**1.55**	**1.55**
Initial B-Value	**0.15**	**0.03**	**0.00**
Final Moisture Content (%)	**26**	**27**	**26**
Final Bulk Density (Mg/m^3)	**1.97**	**2.00**	**1.99**
Final Dry Density (Mg/m^3)	**1.56**	**1.58**	**1.58**
SATURATION			
Duration (days)	**7**	**7**	**6**
Final B-Value	**1.00**	**0.97**	**0.96**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**1040**	**1240**	**1390**
Back Pressure (kPa)	**540**	**540**	**490**
Initial Volume (cm^3)	**198.444**	**195.245**	**192.944**
Final Volume (cm^3)	**195.344**	**192.315**	**189.664**
Change in Volume (cm^3)	**3.100**	**2.930**	**3.280**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**1040**	**1240**	**1390**
Initial Porewater Pressure (kPa)	**541.8**	**541.6**	**495.7**
Strain Rate (mm/min)	**0.013864**	**0.013785**	**0.013805**
Axial Strain at Failure (%)	**7.07**	**10.01**	**8.38**
Time to Failure (h)	**8.5**	**12.0**	**10.0**
Deviator Stress at Failure (kPa)	**2816.6**	**2899.0**	**3322.4**
Porewater Pressure at Failure (kPa)	**-44.1**	**37.8**	**132.2**
Effective Major Principal Stress (kPa)	**3899.8**	**4098.8**	**4580.3**
Effective Minor Principal Stress (kPa)	**1083.2**	**1199.8**	**1257.9**
Effective Principal Stress Ratio	**3.60**	**3.42**	**3.64**
Pore Pressure Coefficient - A_f	**-0.21**	**-0.17**	**-0.11**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **34**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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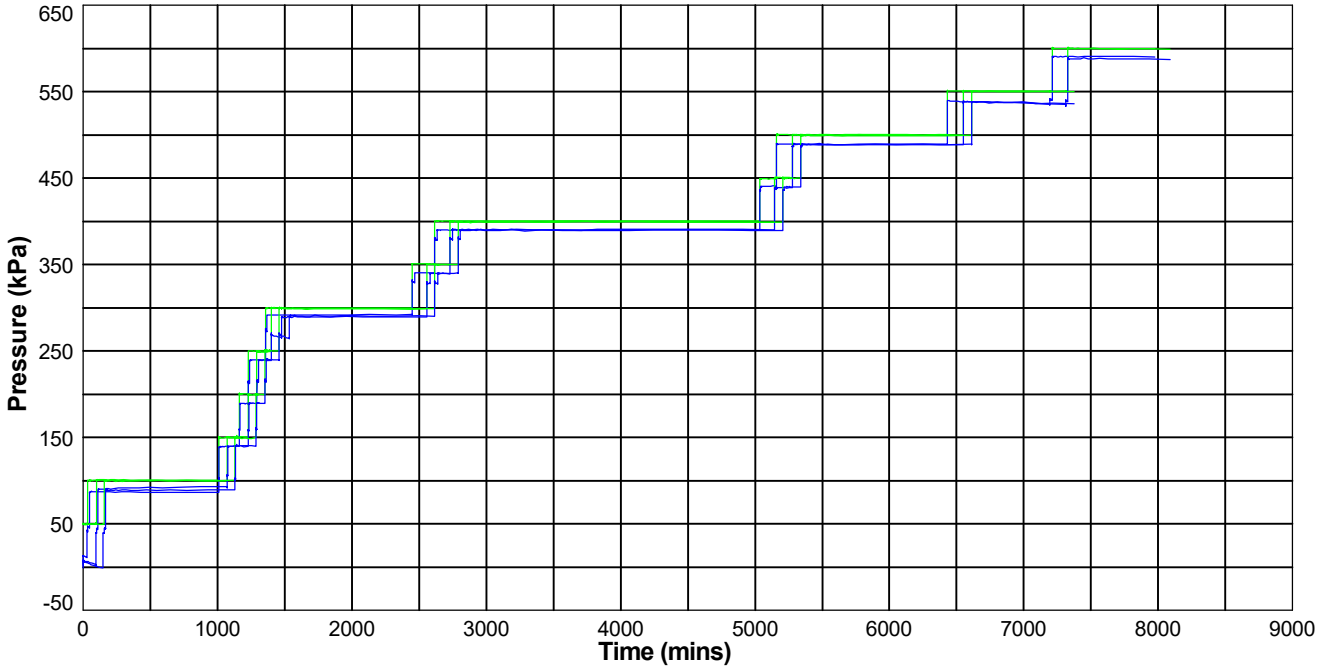
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

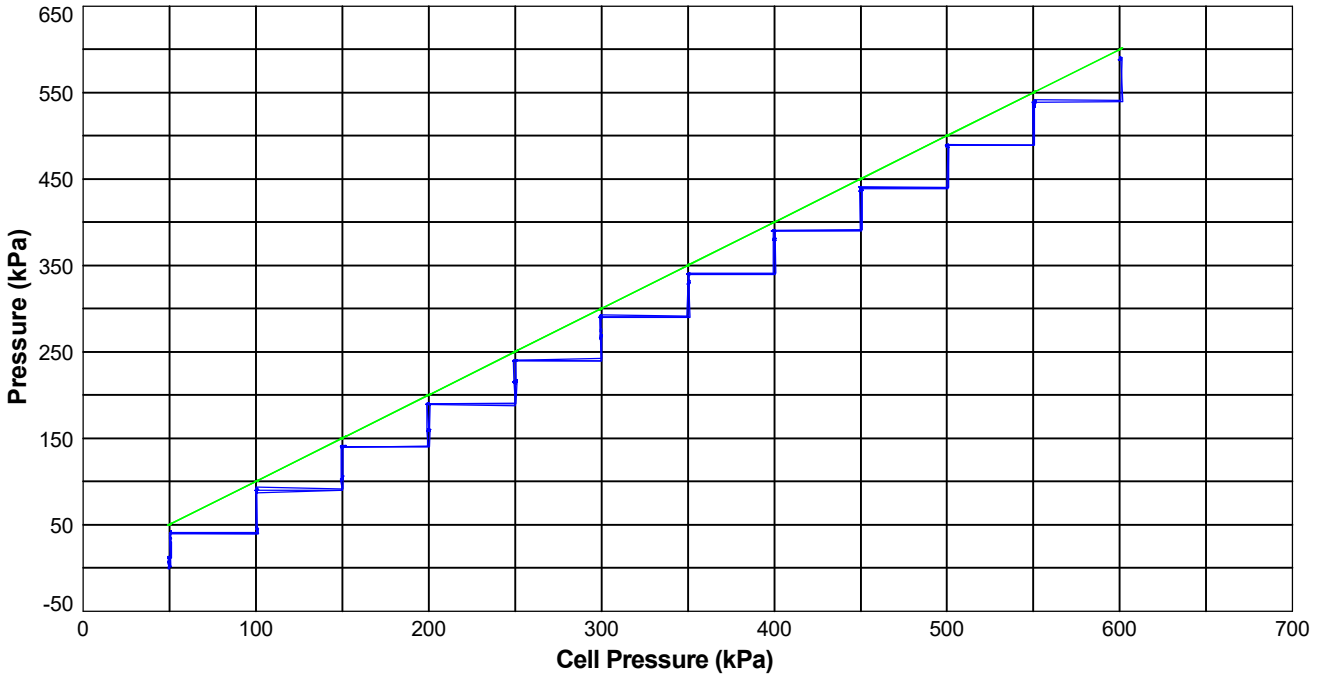
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_2** Sample Ref : **53** Sample Type : **C** Depth (m) : **68.55**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

STRUCTURAL SOILS
1a Princess Street
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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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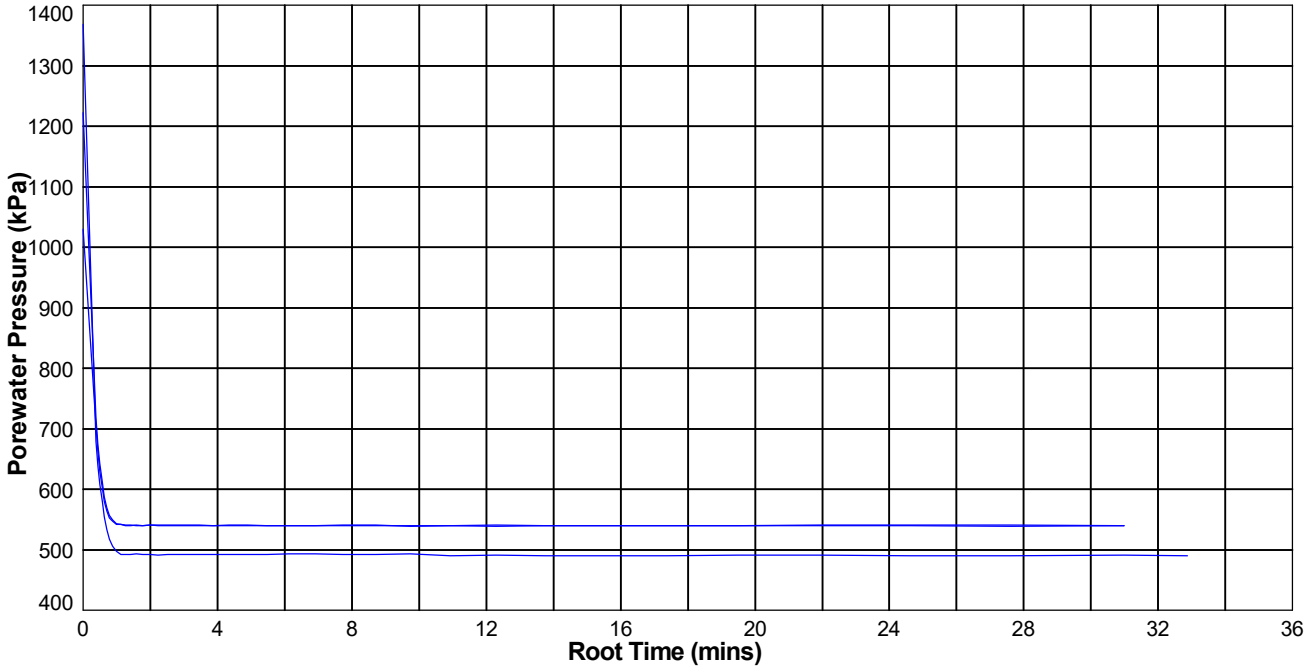
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

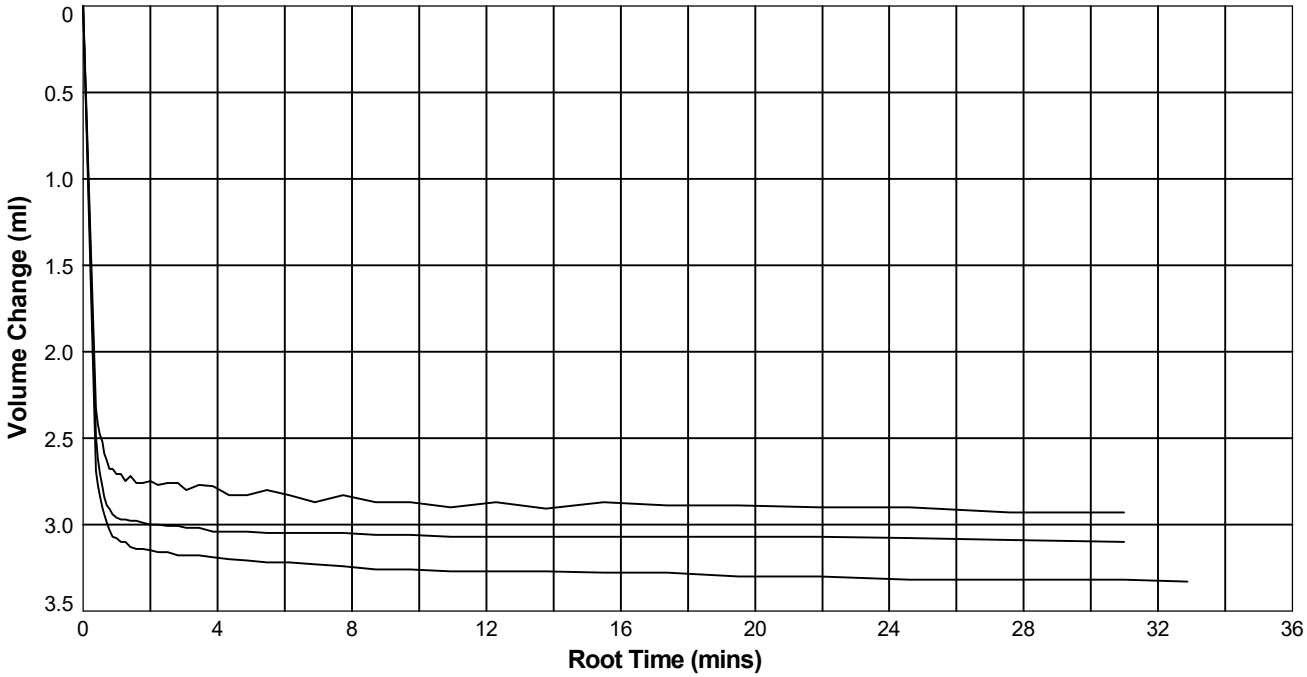
Borehole : **DCBH2019_2** Sample Ref : **53** Sample Type : **C** Depth (m) : **68.55**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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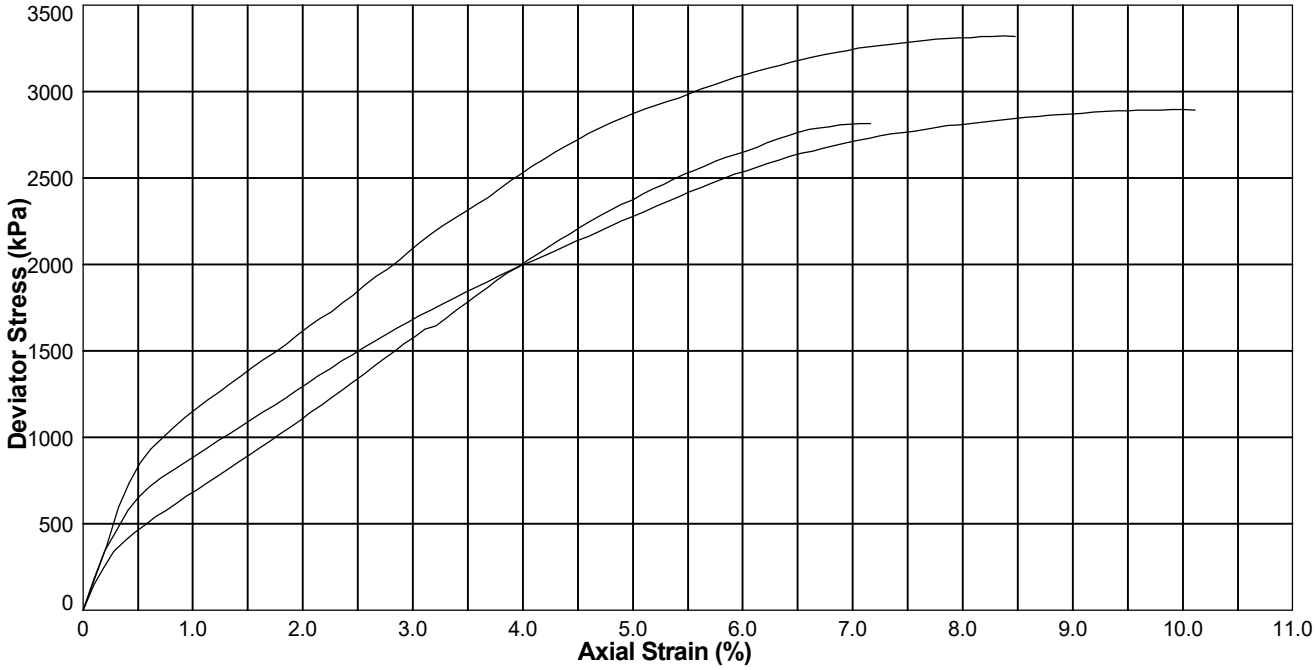
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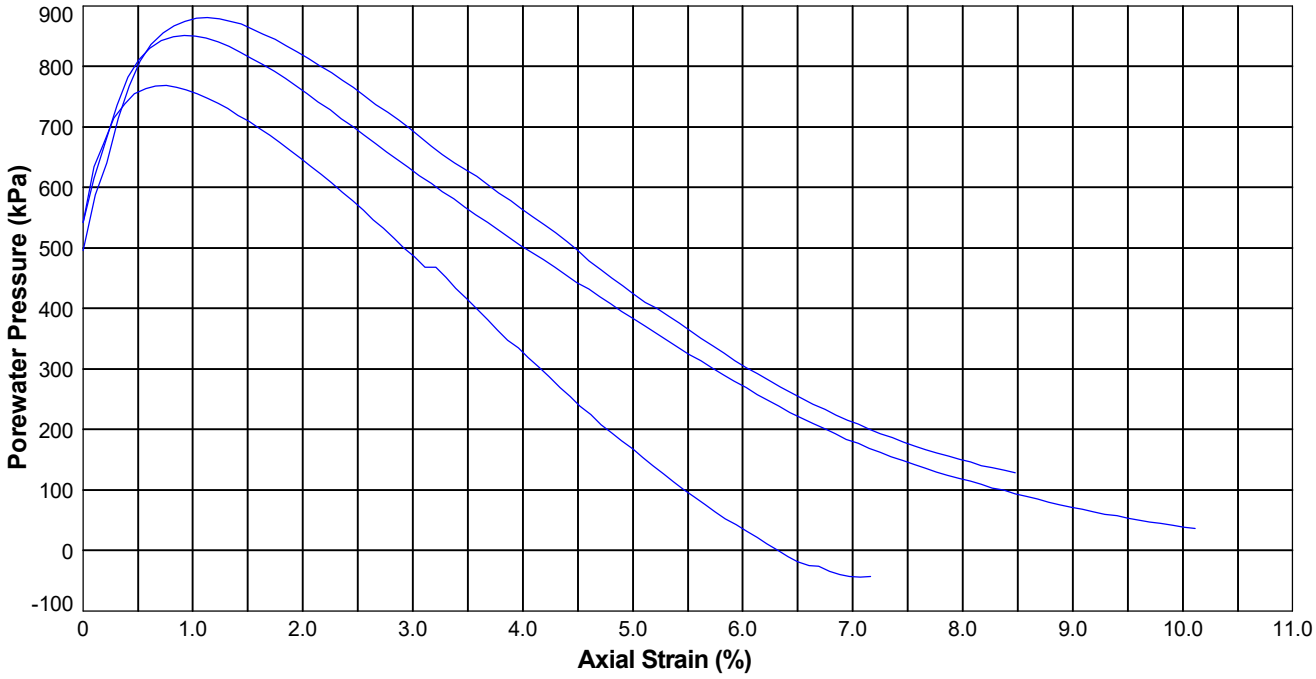
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Borehole : **DCBH2019_2** Sample Ref : **53** Sample Type : **C** Depth (m) : **68.55**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted]	By	Date
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	C **Sizewell C Onshore GI Phase 2 2019**	Contract Ref: **734318**	

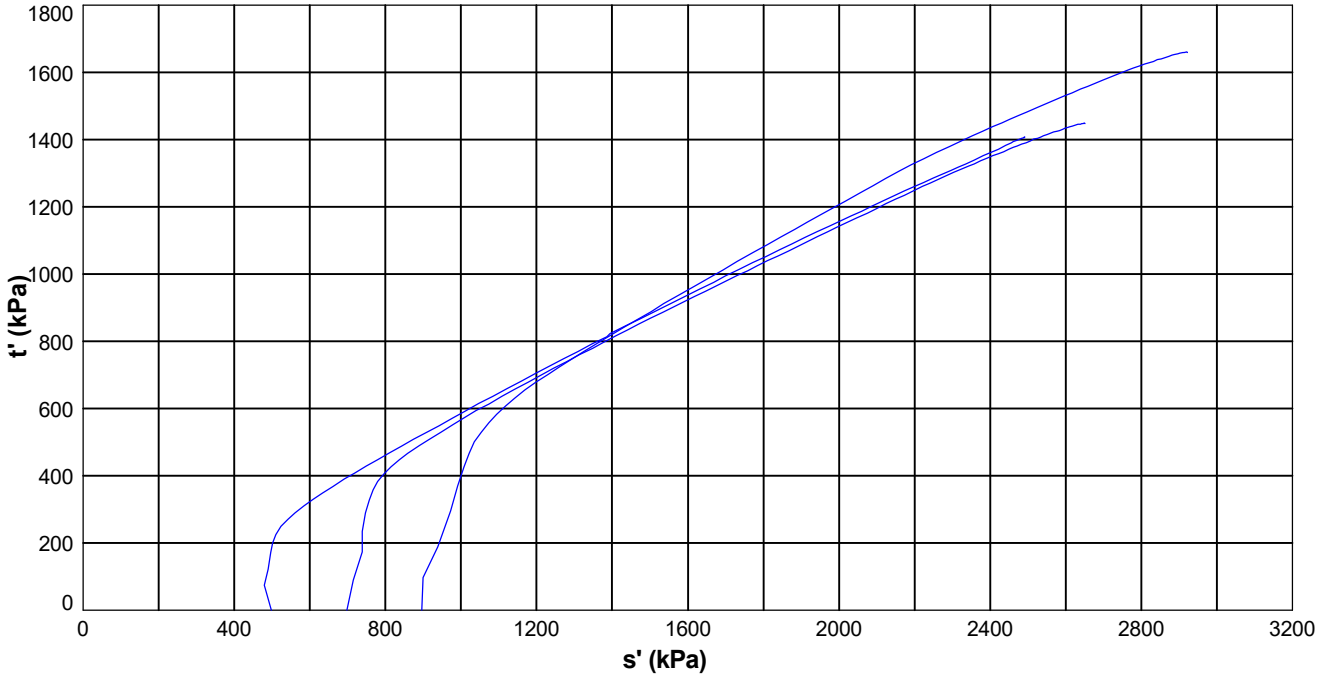
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

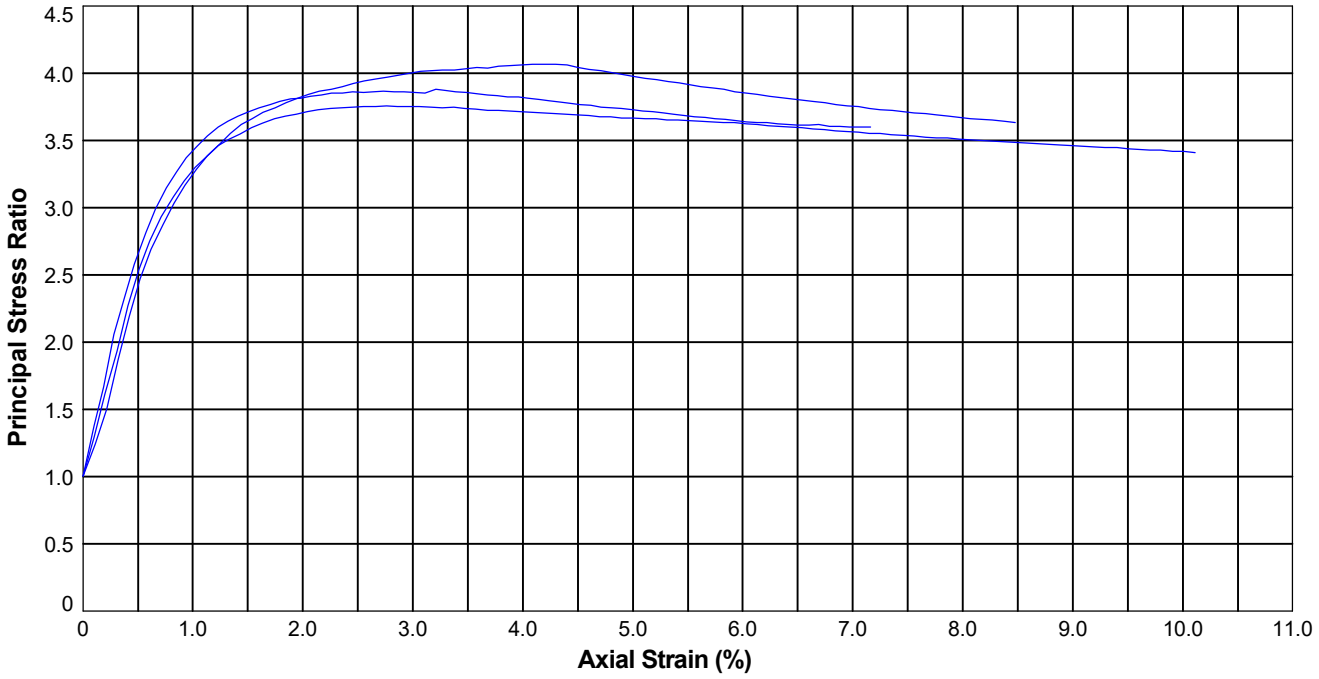
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Borehole : **DCBH2019_2** Sample Ref : **53** Sample Type : **C** Depth (m) : **68.55**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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1a Princess Street
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Date **28/05/20**

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Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

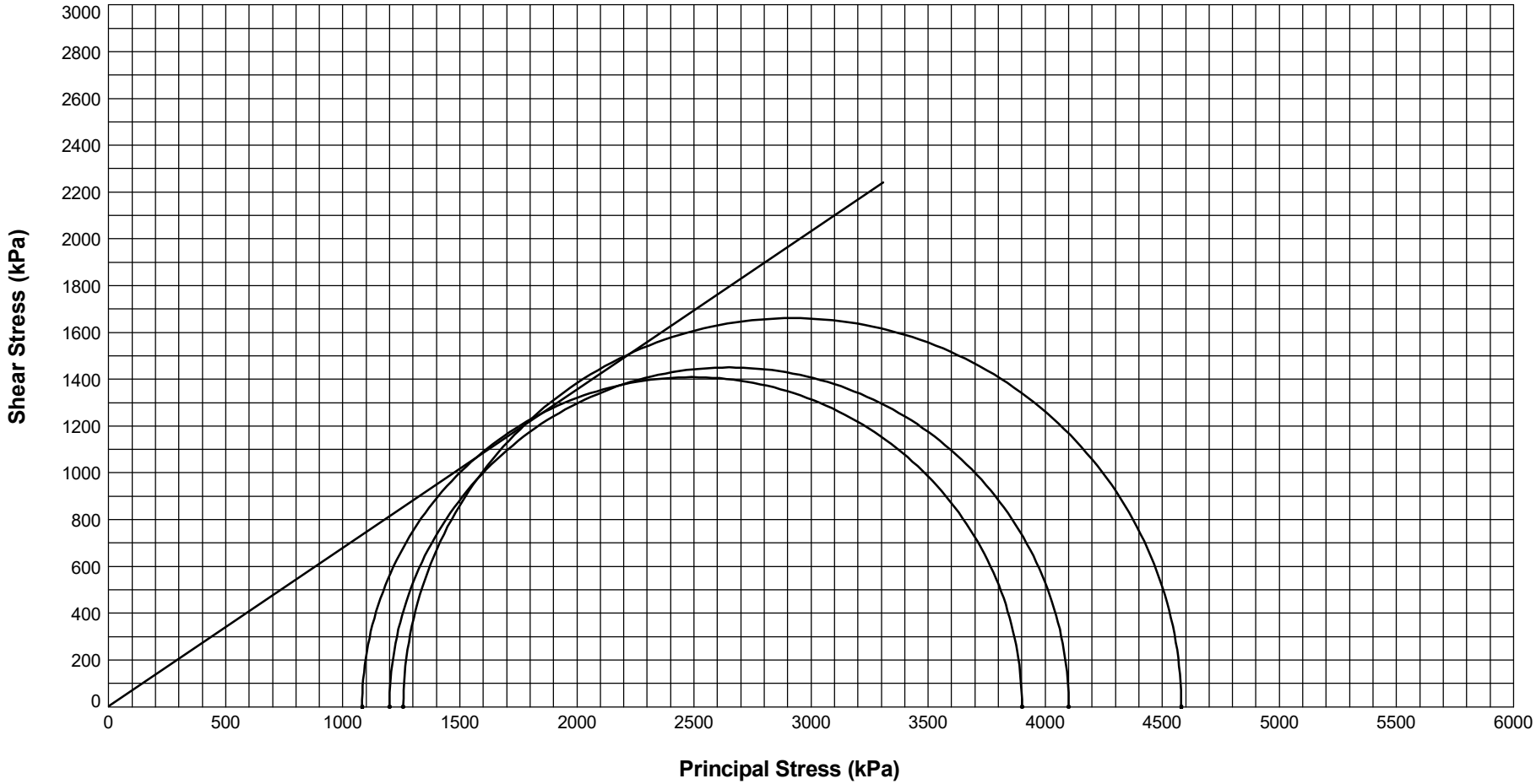
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_2** Sample Ref : **53** Sample Type : **C** Depth (m) : **68.55**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **2** Sample Type : **C** Depth (m) : **11.00**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Yellowish brown mottled grey silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.01**	**49.99**	**49.98**
Initial Height (mm)	**100.12**	**100.00**	**99.97**
Initial Mass (g)	**378.24**	**378.04**	**377.38**
Initial Moisture Content (%)	**16**	**15**	**15**
Initial Bulk Density (Mg/m^3)	**1.92**	**1.93**	**1.92**
Initial Dry Density (Mg/m^3)	**1.65**	**1.67**	**1.68**
Initial B-Value	**0.12**	**0.16**	**0.12**
Final Moisture Content (%)	**23**	**22**	**22**
Final Bulk Density (Mg/m^3)	**2.05**	**2.07**	**2.09**
Final Dry Density (Mg/m^3)	**1.67**	**1.69**	**1.72**
SATURATION			
Duration (days)	**8**	**8**	**7**
Final B-Value	**0.98**	**0.98**	**1.00**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**440**	**590**	**839**
Back Pressure (kPa)	**340**	**340**	**340**
Initial Volume (cm^3)	**196.683**	**196.264**	**196.101**
Final Volume (cm^3)	**195.183**	**193.670**	**191.826**
Change in Volume (cm^3)	**1.500**	**2.594**	**4.275**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**440**	**590**	**839**
Initial Porewater Pressure (kPa)	**339.8**	**340.1**	**341.7**
Strain Rate (mm/min)	**0.01387**	**0.01383**	**0.01378**
Axial Strain at Failure (%)	**17.27**	**11.82**	**10.85**
Time to Failure (h)	**20.7**	**14.2**	**13.0**
Deviator Stress at Failure (kPa)	**863.7**	**979.4**	**1492.5**
Porewater Pressure at Failure (kPa)	**79.4**	**174**	**236.8**
Effective Major Principal Stress (kPa)	**1224.0**	**1395.1**	**2095.0**
Effective Minor Principal Stress (kPa)	**360.3**	**415.7**	**602.5**
Effective Principal Stress Ratio	**3.40**	**3.36**	**3.48**
Pore Pressure Coefficient - A_f	**-0.30**	**-0.17**	**-0.07**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **33**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

AGS

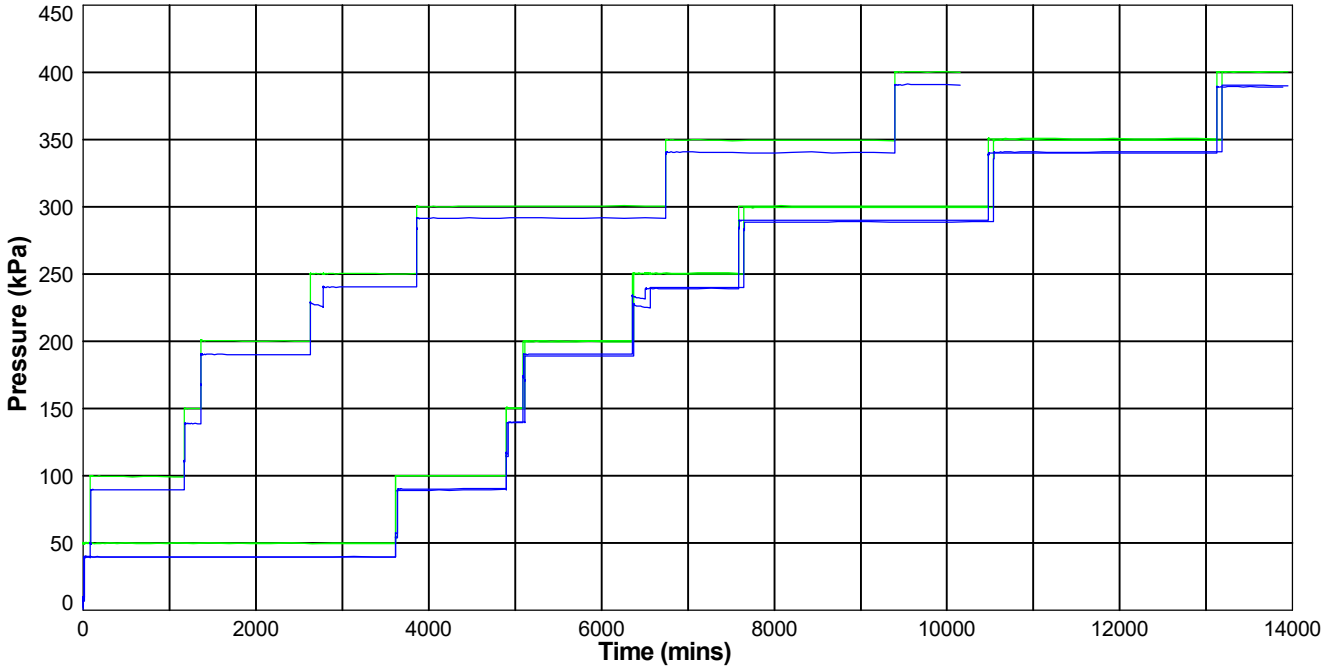
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

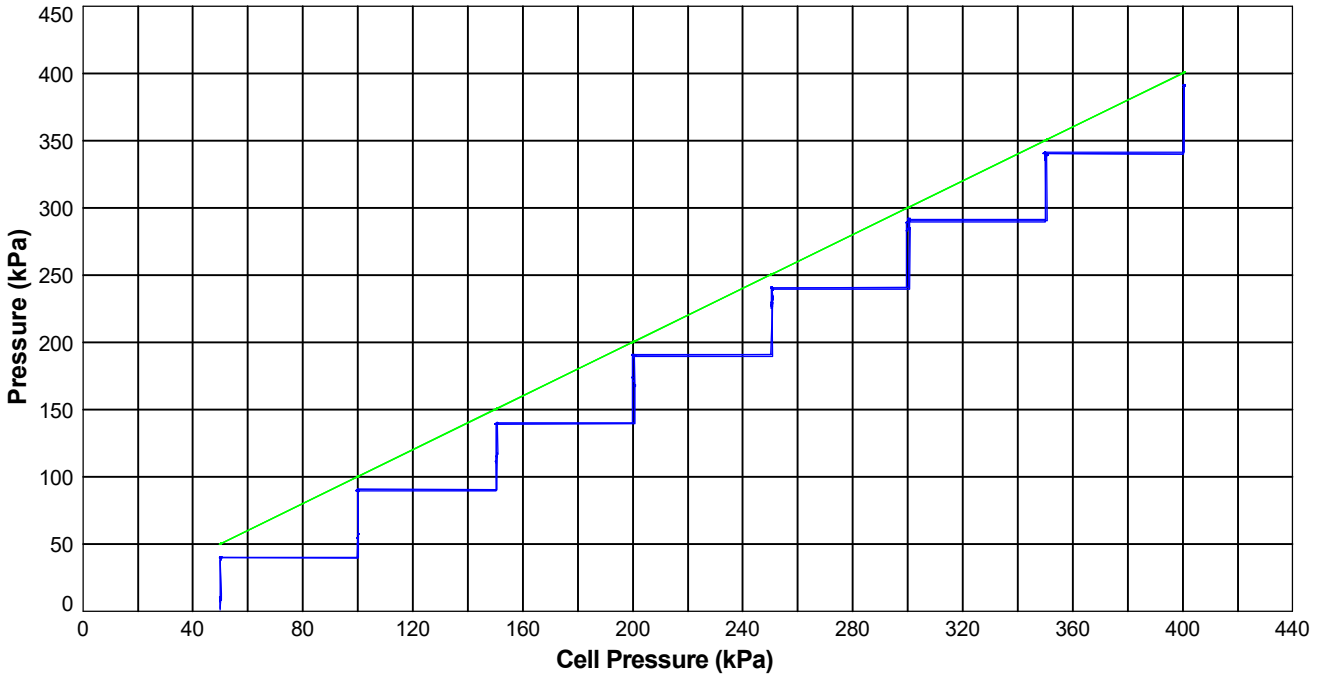
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **2** Sample Type : **C** Depth (m) : **11.00**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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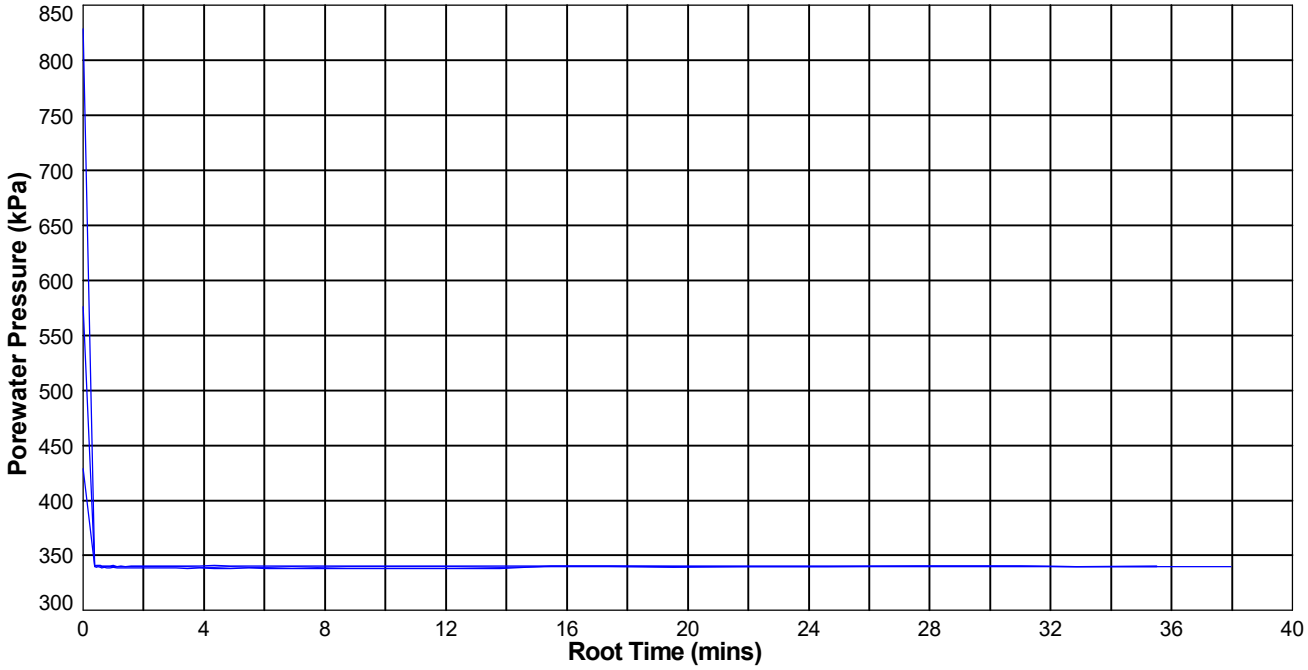
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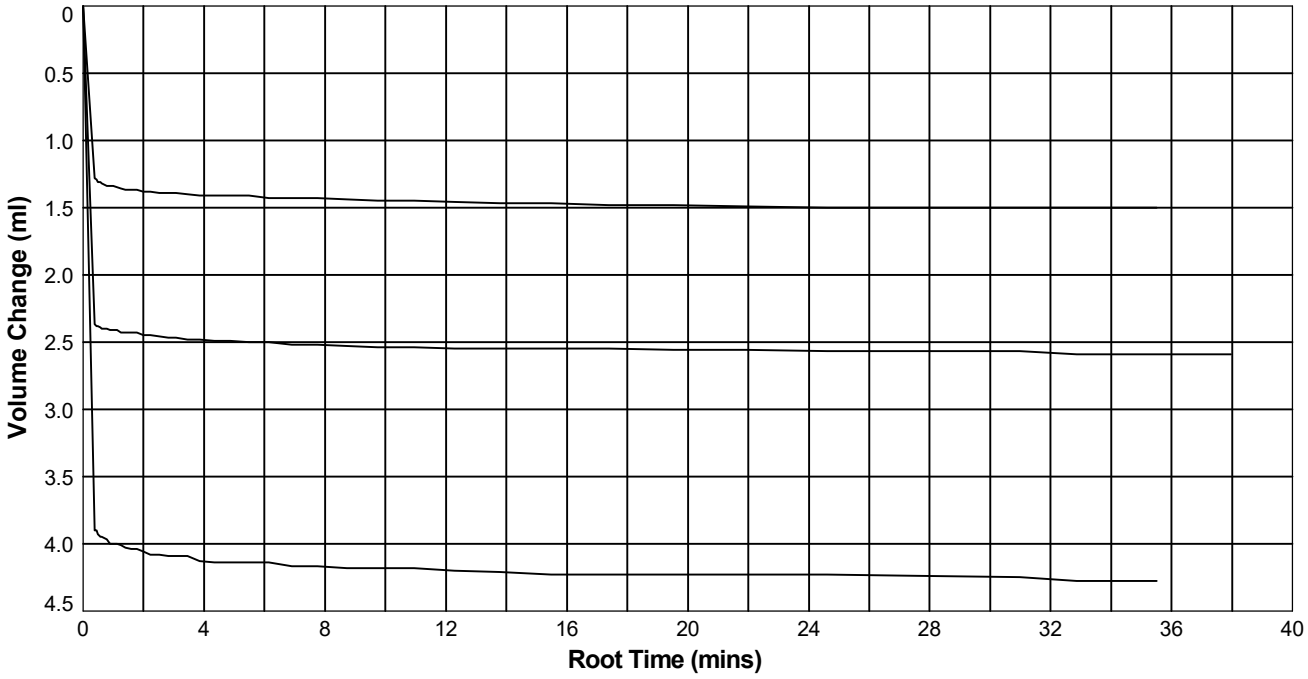
Borehole : **DCBH2019_3** Sample Ref : **2** Sample Type : **C** Depth (m) : **11.00**

CONSOLIDATION STAGE



Key: Base:

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Contract Ref: **734318**

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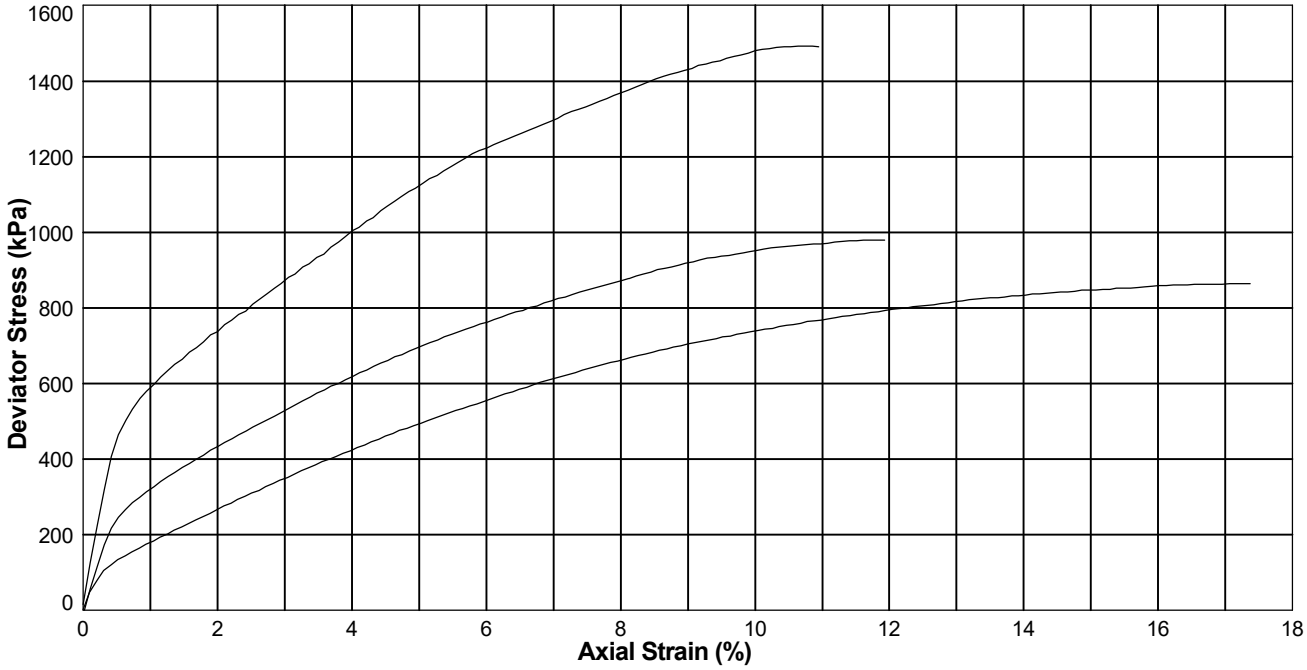
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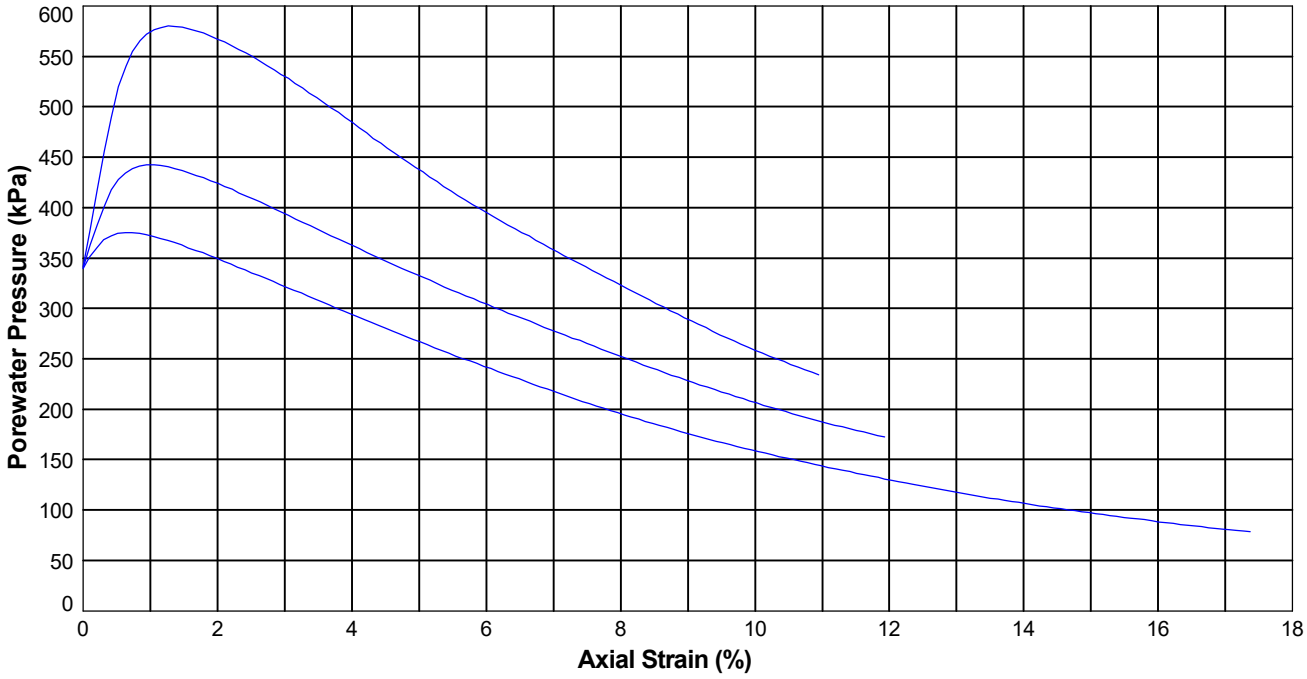
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Borehole : **DCBH2019_3** Sample Ref : **2** Sample Type : **C** Depth (m) : **11.00**

SHEAR STAGE



SHEAR STAGE



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	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	

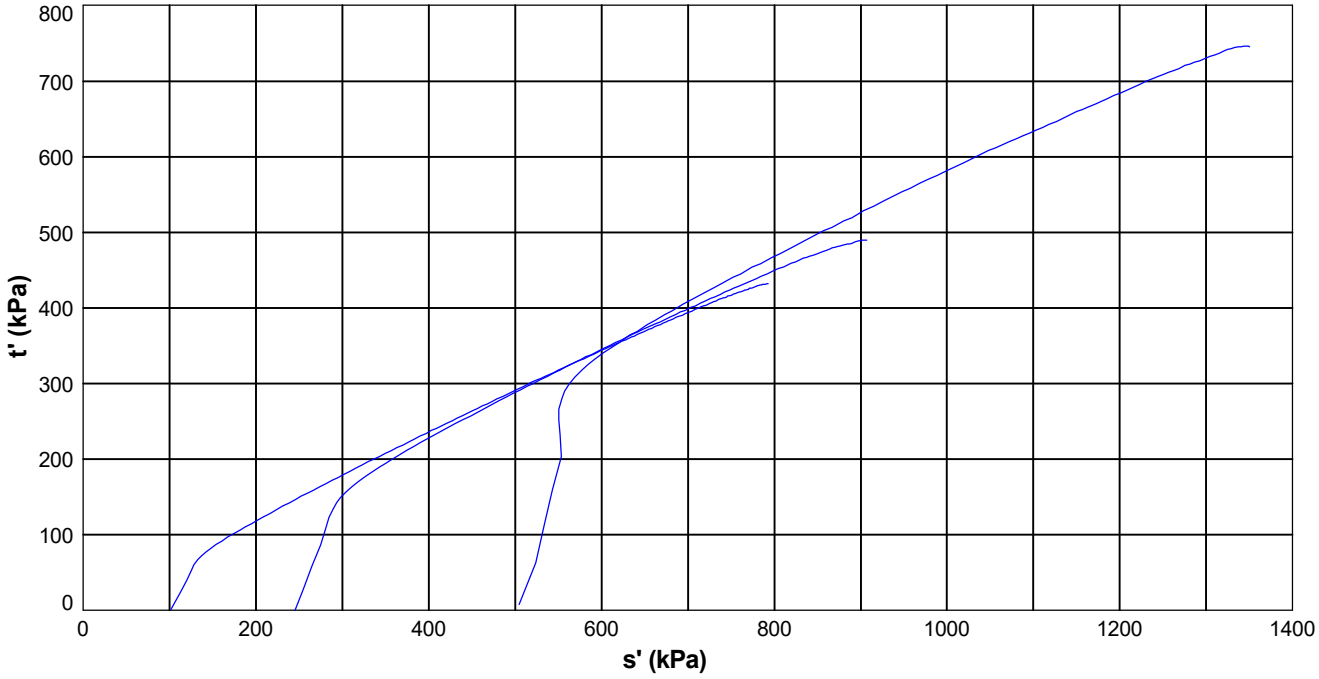
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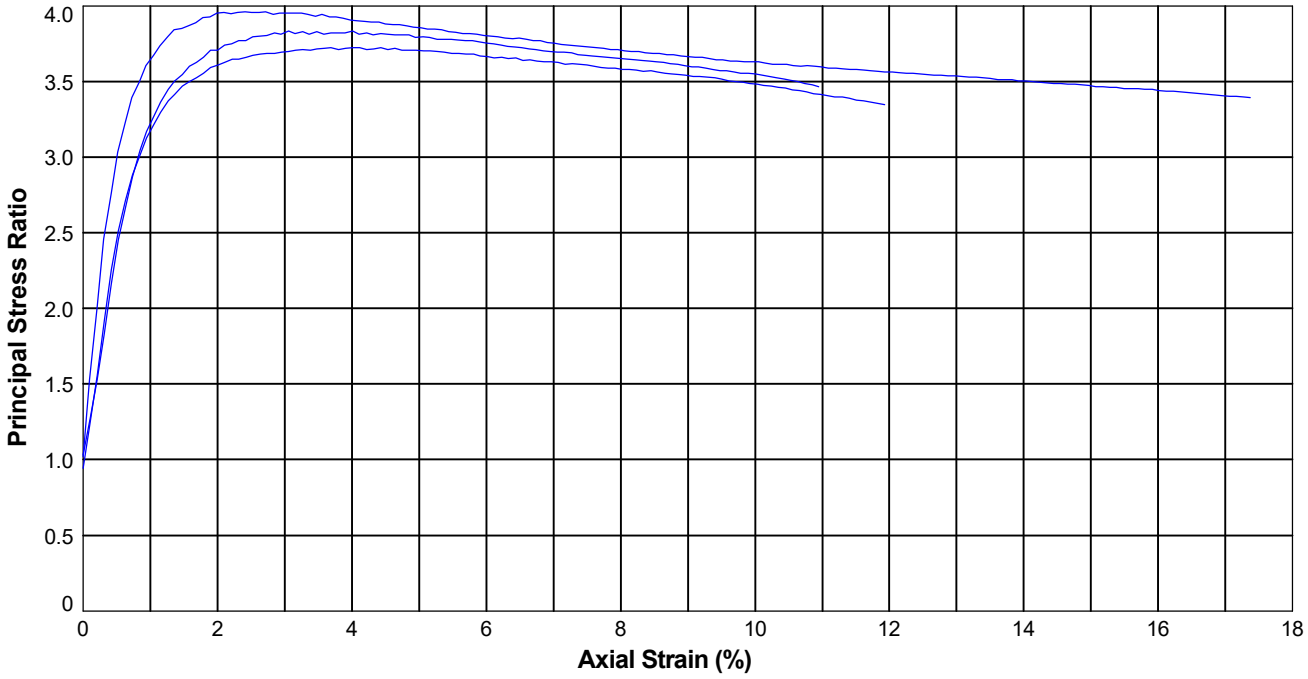
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Borehole : **DCBH2019_3** Sample Ref : **2** Sample Type : **C** Depth (m) : **11.00**

SHEAR STAGE



SHEAR STAGE



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Contract Ref: **734318**

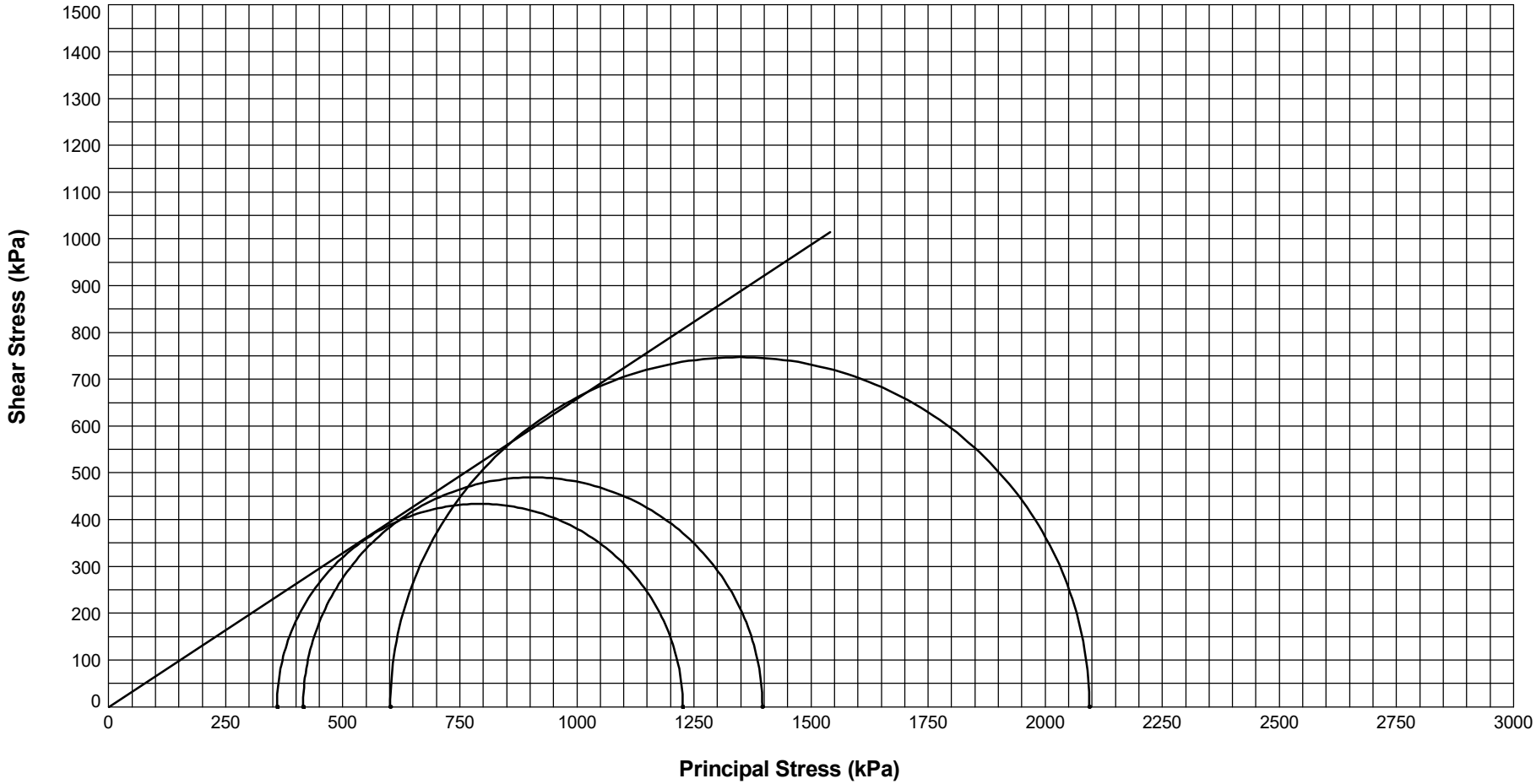
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_3** Sample Ref : **2** Sample Type : **C** Depth (m) : **11.00**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **9** Sample Type : **C** Depth (m) : **19.25**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown slightly gravelly slightly silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.07**	**50.01**	**50.08**
Initial Height (mm)	**100.16**	**100.13**	**100.22**
Initial Mass (g)	**385.49**	**381.55**	**386.01**
Initial Moisture Content (%)	**16**	**15**	**14**
Initial Bulk Density (Mg/m^3)	**1.95**	**1.94**	**1.96**
Initial Dry Density (Mg/m^3)	**1.68**	**1.69**	**1.71**
Initial B-Value	**0.16**	**0.18**	**0.06**
Final Moisture Content (%)	**22**	**23**	**21**
Final Bulk Density (Mg/m^3)	**2.08**	**2.13**	**2.13**
Final Dry Density (Mg/m^3)	**1.70**	**1.73**	**1.75**
SATURATION			
Duration (days)	**6**	**6**	**6**
Final B-Value	**0.96**	**0.95**	**0.95**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**590**	**790**	**1040**
Back Pressure (kPa)	**440**	**440**	**440**
Initial Volume (cm^3)	**197.188**	**196.651**	**197.431**
Final Volume (cm^3)	**194.988**	**191.971**	**192.431**
Change in Volume (cm^3)	**2.200**	**4.680**	**5.000**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**590**	**790**	**1040**
Initial Porewater Pressure (kPa)	**440.8**	**439.4**	**441.5**
Strain Rate (mm/min)	**0.00693**	**0.00690**	**0.00690**
Axial Strain at Failure (%)	**13.11**	**12.26**	**10.66**
Time to Failure (h)	**31.5**	**29.5**	**26.2**
Deviator Stress at Failure (kPa)	**776.4**	**974.9**	**1443.1**
Porewater Pressure at Failure (kPa)	**287.1**	**470**	**485**
Effective Major Principal Stress (kPa)	**1079.3**	**1294.9**	**1998.1**
Effective Minor Principal Stress (kPa)	**302.9**	**320.0**	**555.0**
Effective Principal Stress Ratio	**3.56**	**4.05**	**3.60**
Pore Pressure Coefficient - A_f	**-0.20**	**0.03**	**0.03**

Effective Cohesion (kPa) : **8** Angle of Shear Resistance (degs) : **34**

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Contract: **Sizewell C Onshore GI Phase 2 2019**

Job No: **734318**

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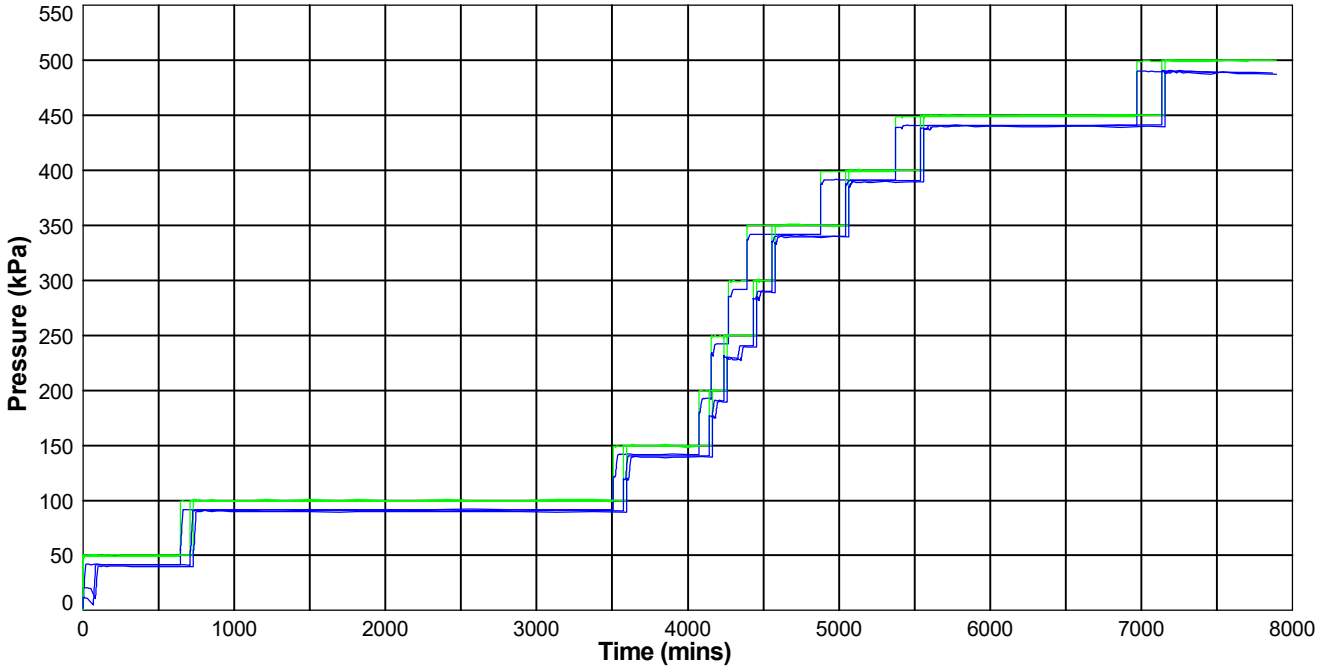
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

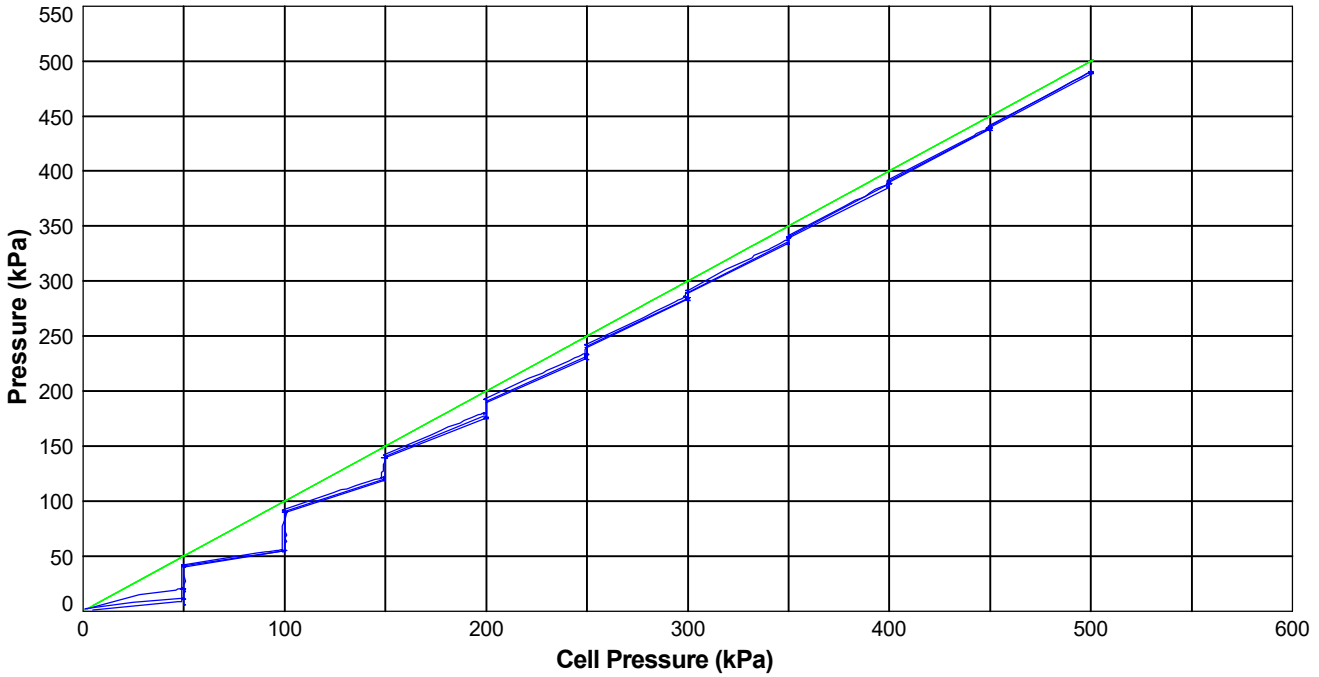
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **9** Sample Type : **C** Depth (m) : **19.25**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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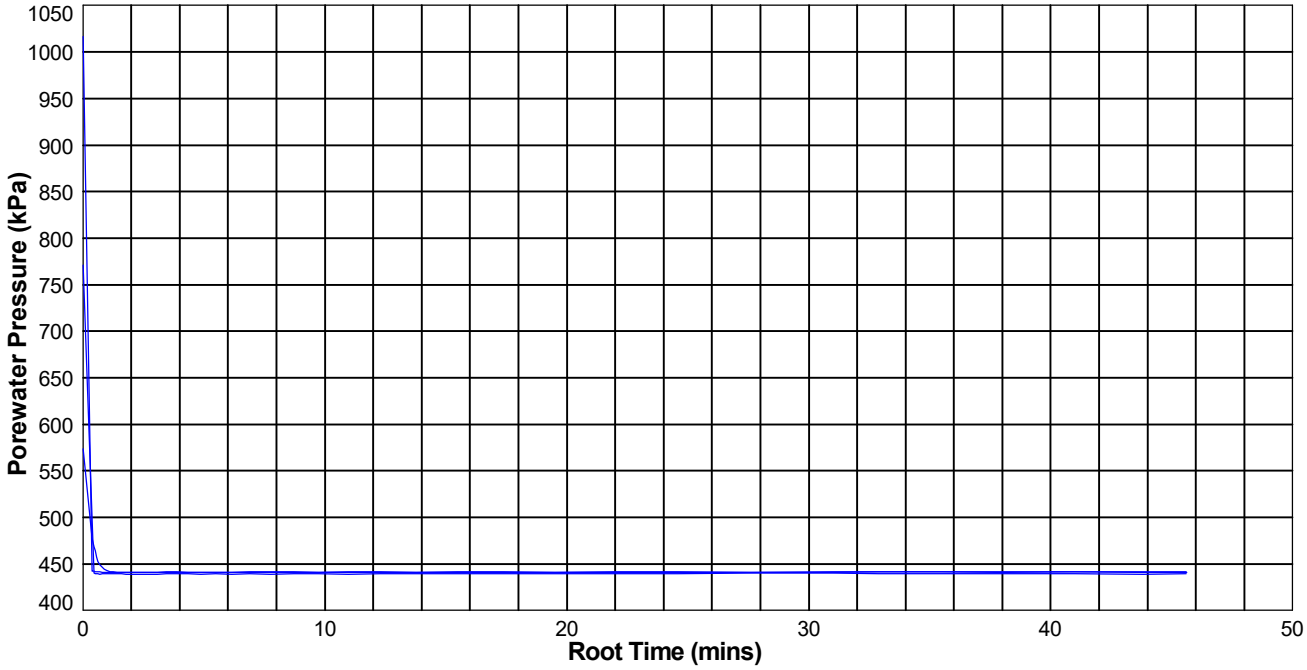
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

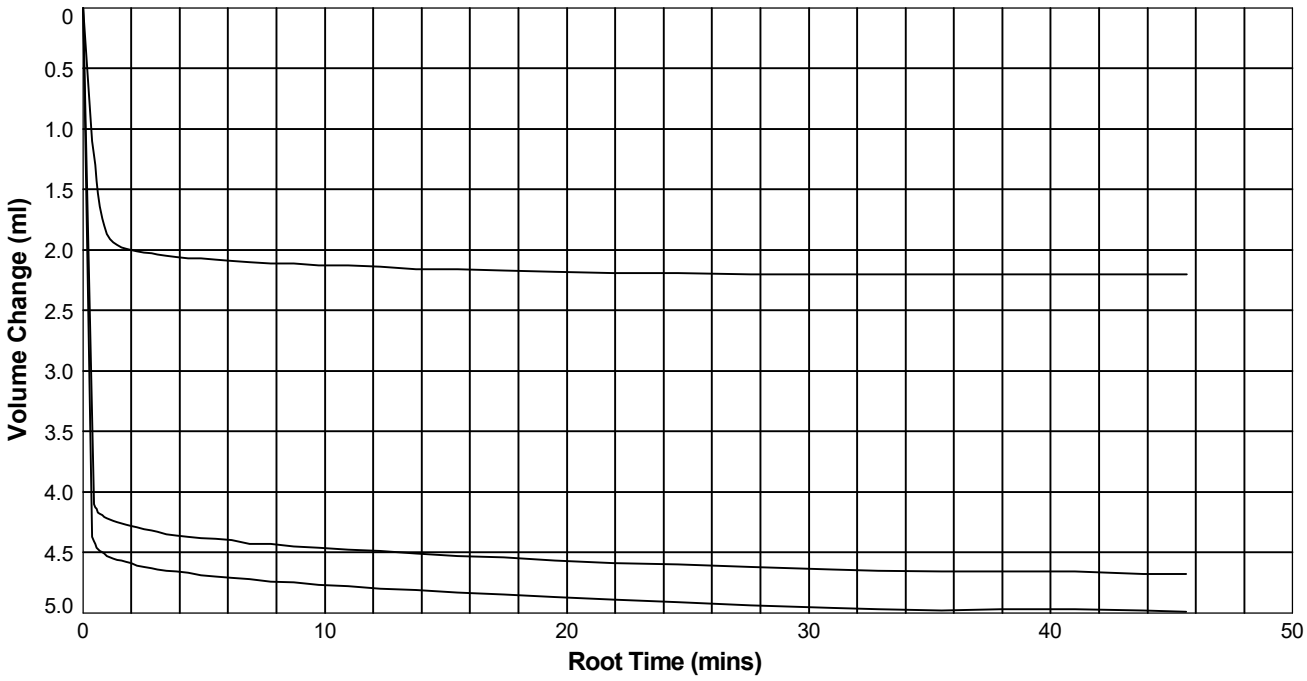
Borehole : **DCBH2019_3** Sample Ref : **9** Sample Type : **C** Depth (m) : **19.25**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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By	Date
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Sizewell C Onshore GI Phase 2 2019

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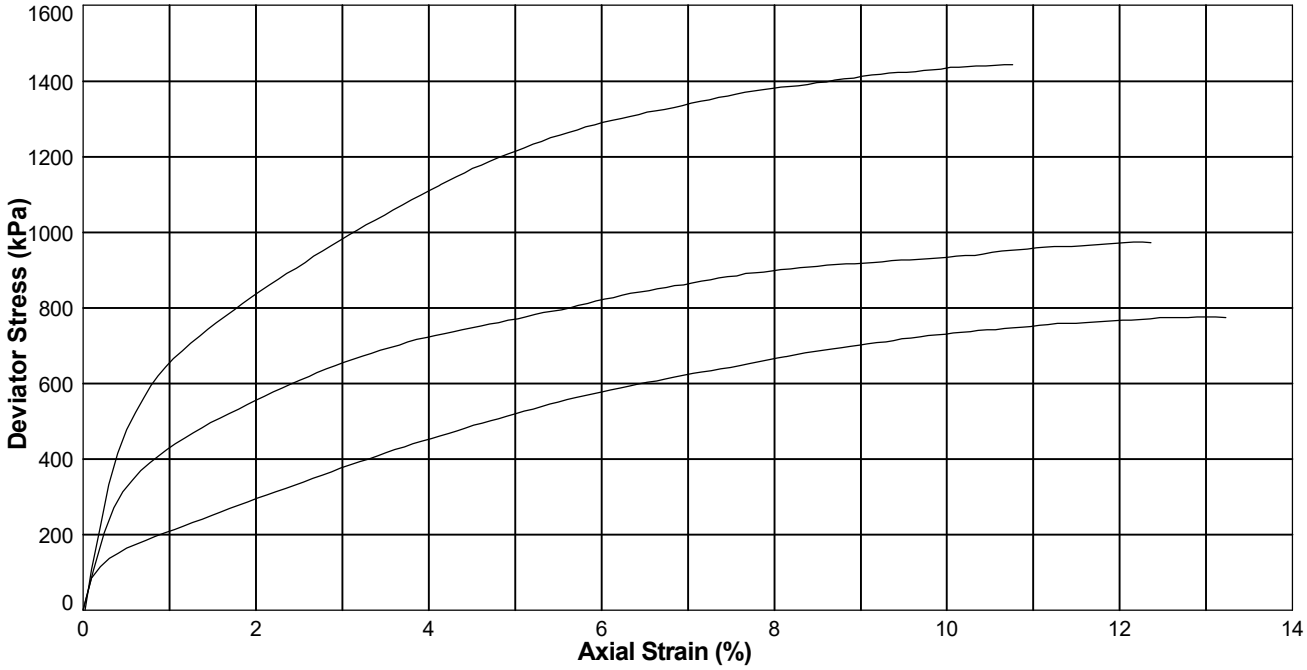
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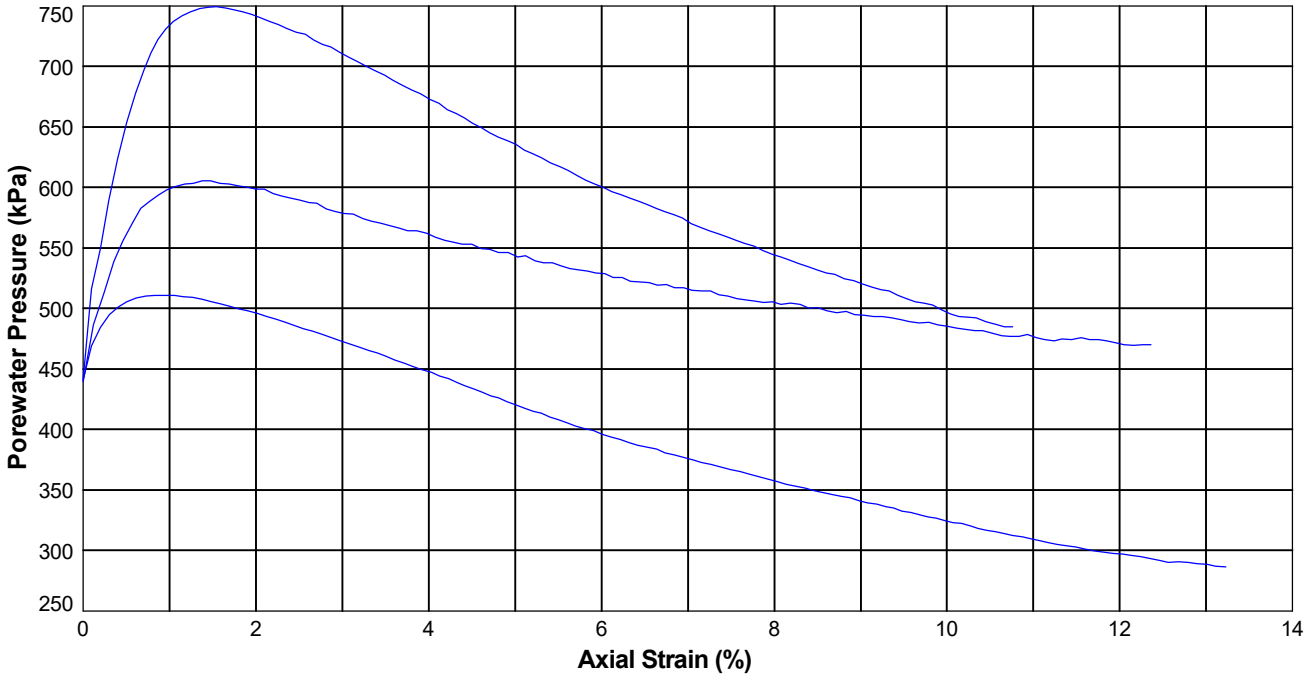
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **9** Sample Type : **C** Depth (m) : **19.25**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	AGS

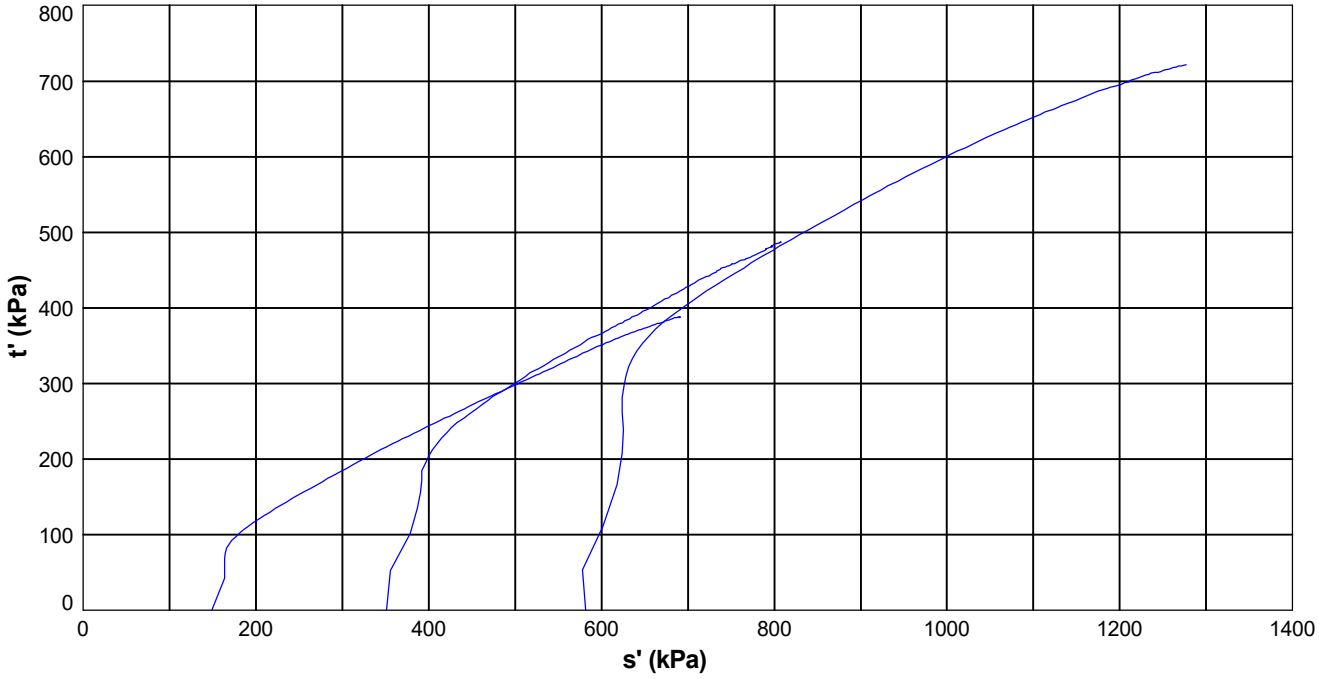
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

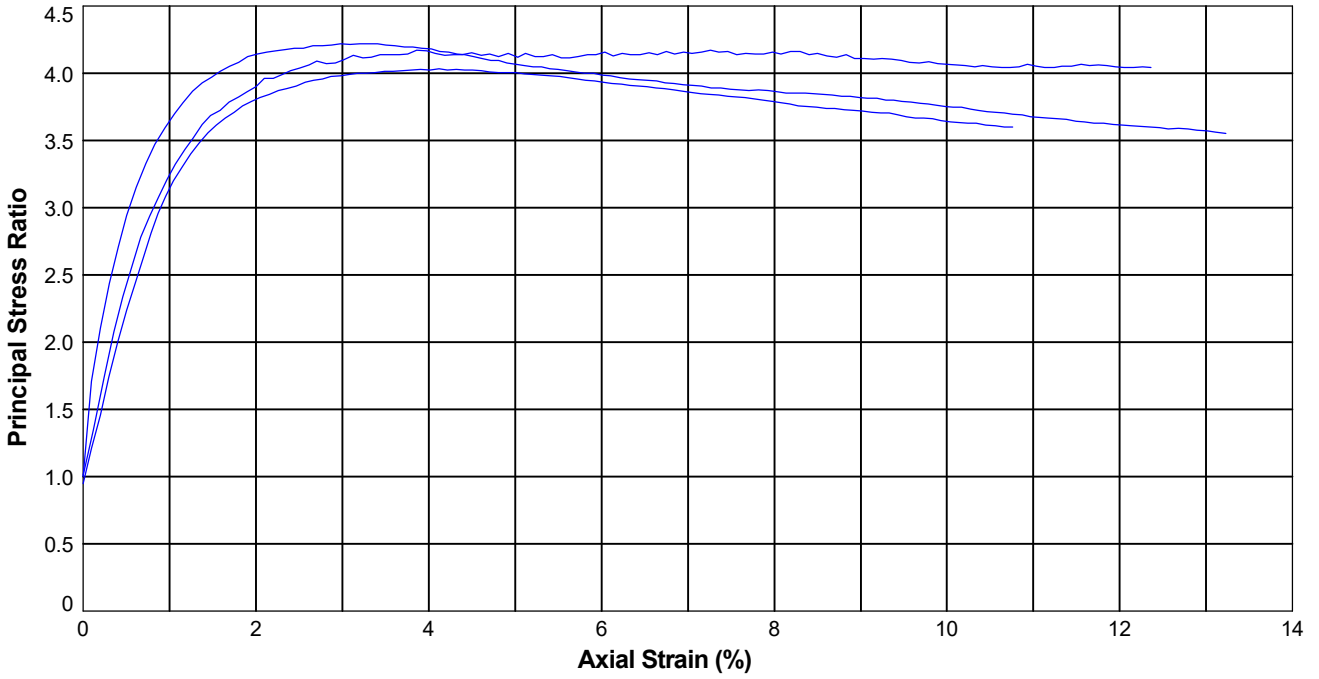
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Borehole : **DCBH2019_3** Sample Ref : **9** Sample Type : **C** Depth (m) : **19.25**

SHEAR STAGE



SHEAR STAGE



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FRANCESCA BENNETT	**12/05/20**

Contract Ref: **734318**

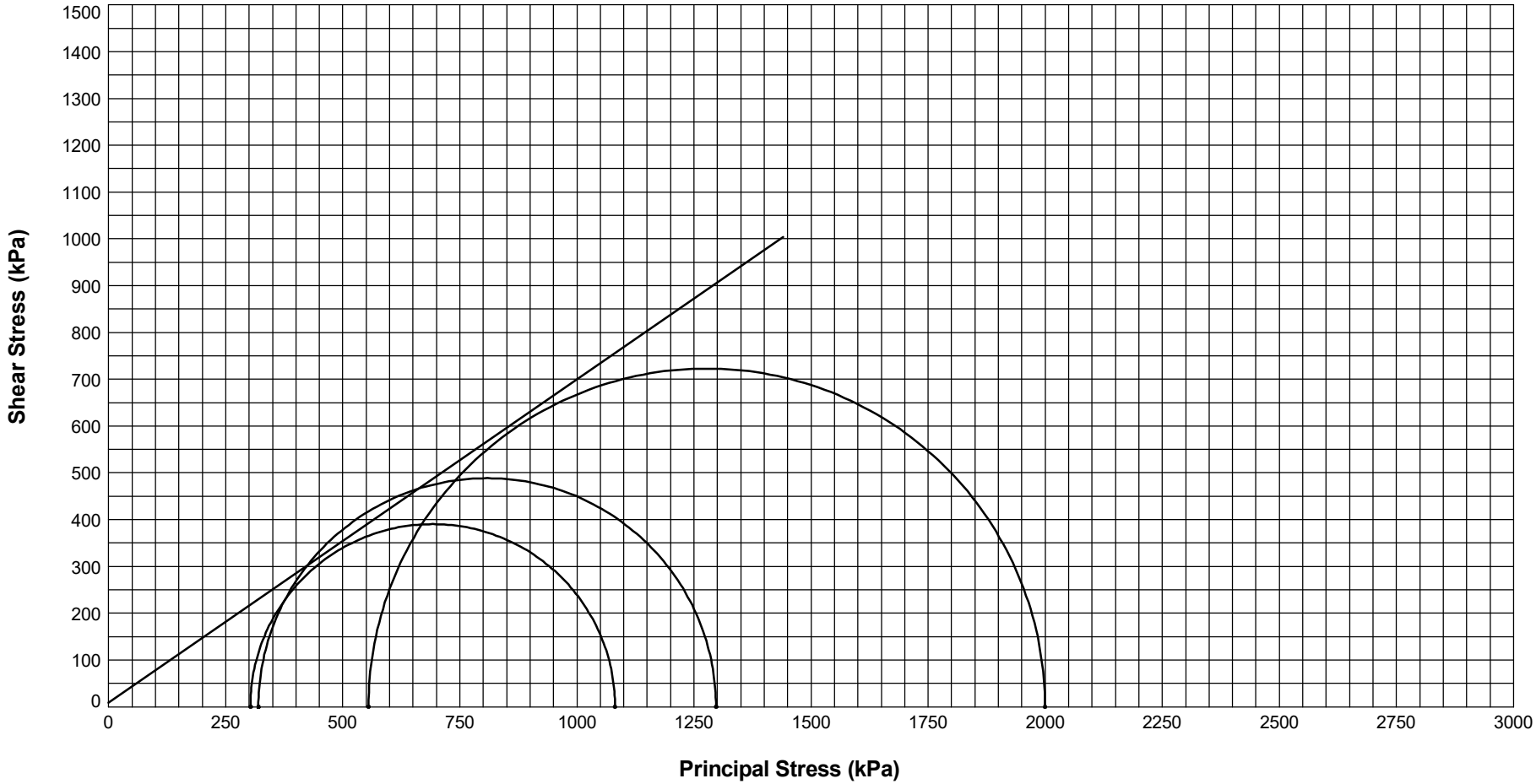
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_3** Sample Ref : **9** Sample Type : **C** Depth (m) : **19.25**



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Sizewell C Onshore GI Phase 2 2019

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **27** Sample Type : **C** Depth (m) : **41.75**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown mottled grey silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.02**	**50.02**	**50.07**
Initial Height (mm)	**100.15**	**100.11**	**100.18**
Initial Mass (g)	**388.93**	**387.84**	**389.83**
Initial Moisture Content (%)	**21**	**21**	**18**
Initial Bulk Density (Mg/m^3)	**1.98**	**1.97**	**1.98**
Initial Dry Density (Mg/m^3)	**1.64**	**1.63**	**1.68**
Initial B-Value	**0.33**	**0.31**	**0.21**
Final Moisture Content (%)	**23**	**23**	**22**
Final Bulk Density (Mg/m^3)	**2.05**	**2.06**	**2.11**
Final Dry Density (Mg/m^3)	**1.67**	**1.67**	**1.73**
SATURATION			
Duration (days)	**6**	**6**	**6**
Final B-Value	**1.00**	**1.00**	**1.00**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**890**	**1090**	**1290**
Back Pressure (kPa)	**590**	**590**	**590**
Initial Volume (cm^3)	**196.808**	**196.756**	**197.261**
Final Volume (cm^3)	**193.131**	**191.966**	**191.359**
Change in Volume (cm^3)	**3.677**	**4.790**	**5.902**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**890**	**1090**	**1290**
Initial Porewater Pressure (kPa)	**590.5**	**589.1**	**592.8**
Strain Rate (mm/min)	**0.01382**	**0.01379**	**0.01378**
Axial Strain at Failure (%)	**14.90**	**14.88**	**18.84**
Time to Failure (h)	**18.3**	**18.0**	**22.8**
Deviator Stress at Failure (kPa)	**1503.0**	**1571.4**	**1681.8**
Porewater Pressure at Failure (kPa)	**298.4**	**486.7**	**691.6**
Effective Major Principal Stress (kPa)	**2093.6**	**2174.7**	**2280.2**
Effective Minor Principal Stress (kPa)	**590.6**	**603.3**	**598.4**
Effective Principal Stress Ratio	**3.55**	**3.61**	**3.81**
Pore Pressure Coefficient - A_f	**-0.19**	**-0.07**	**0.06**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **34.5**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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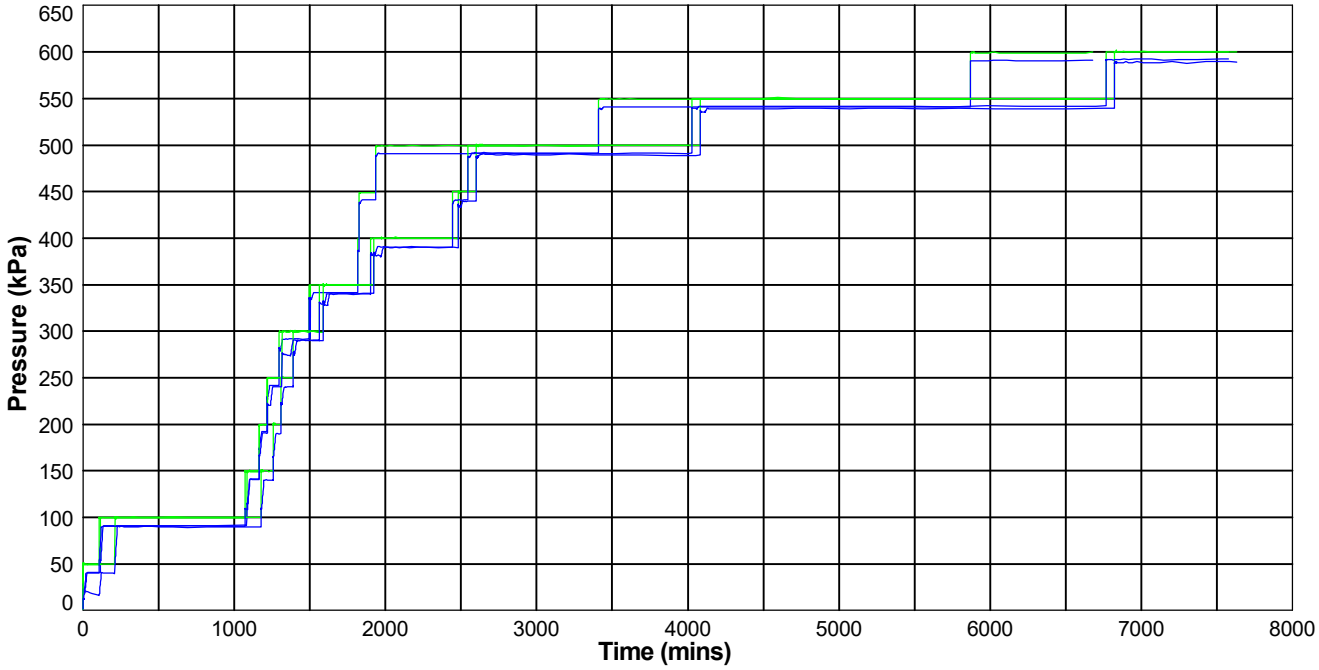
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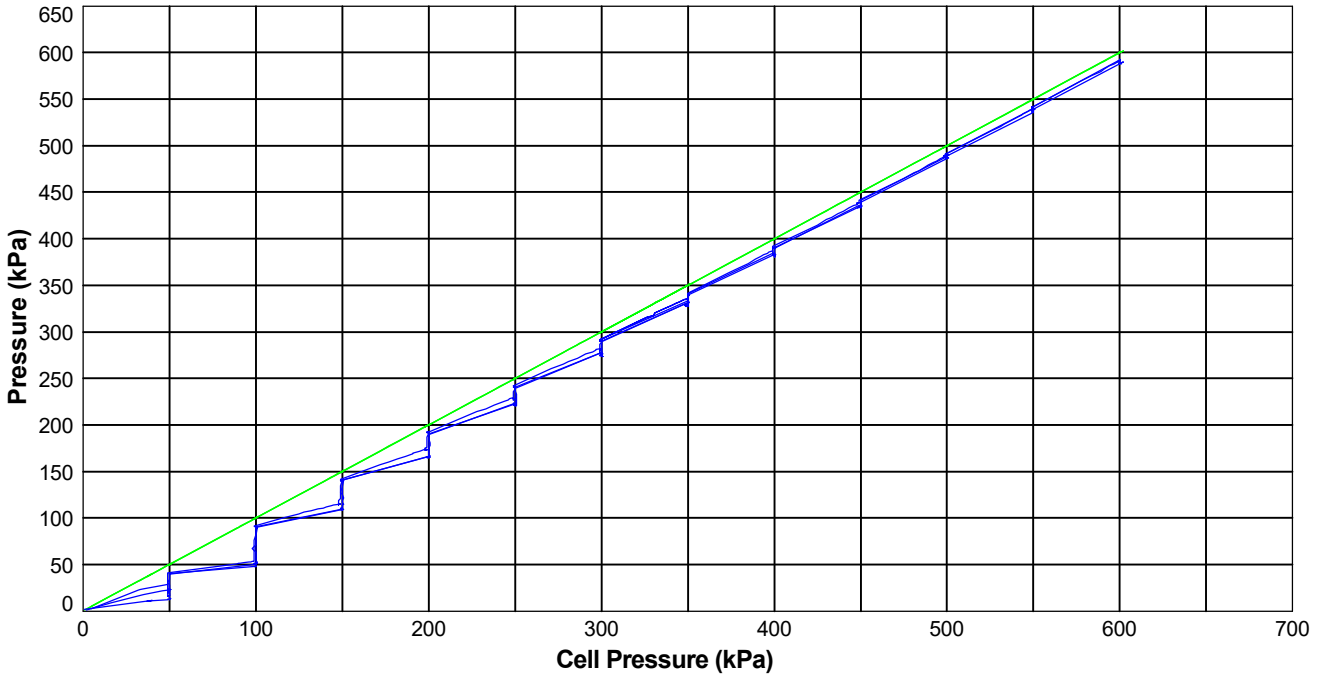
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Borehole : **DCBH2019_3** Sample Ref : **27** Sample Type : **C** Depth (m) : **41.75**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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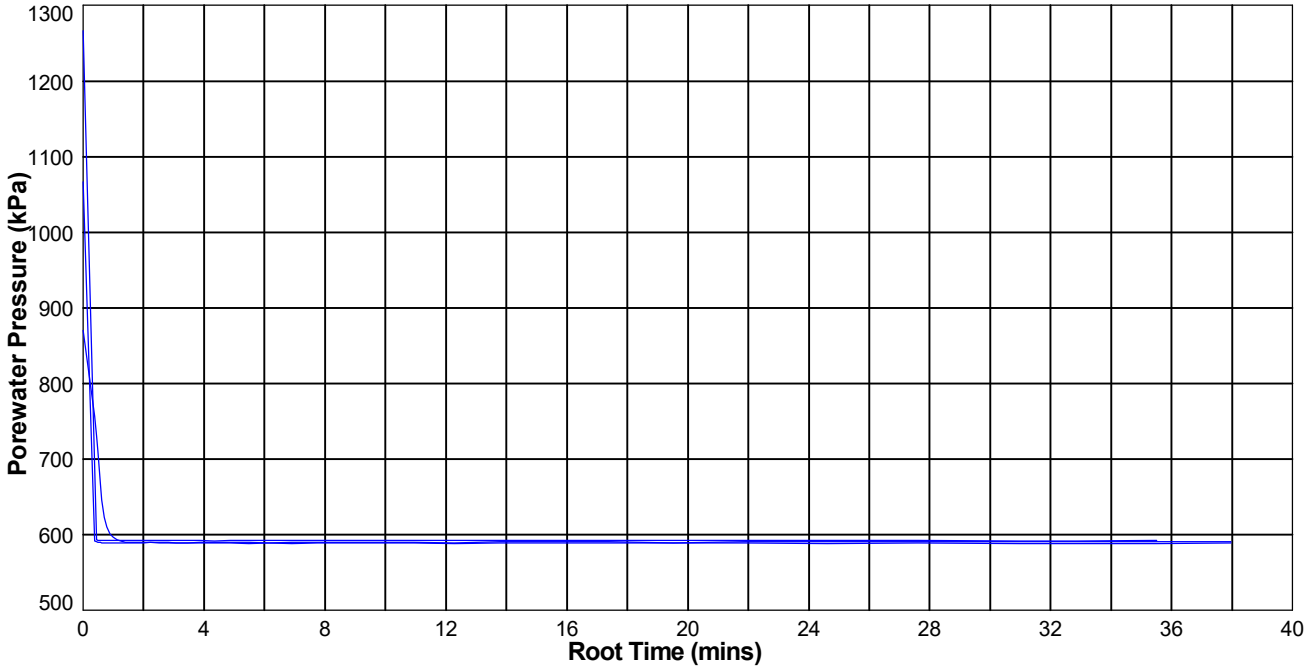
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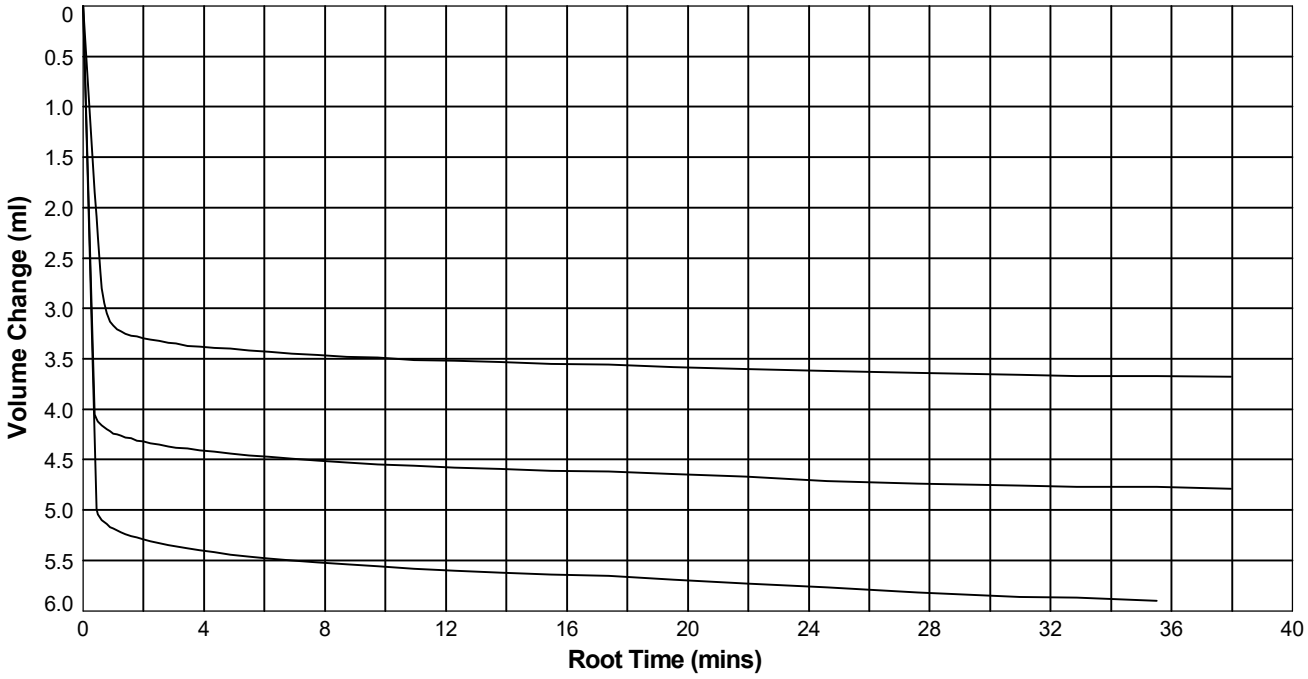
Borehole : **DCBH2019_3** Sample Ref : **27** Sample Type : **C** Depth (m) : **41.75**

CONSOLIDATION STAGE



Key: Base:

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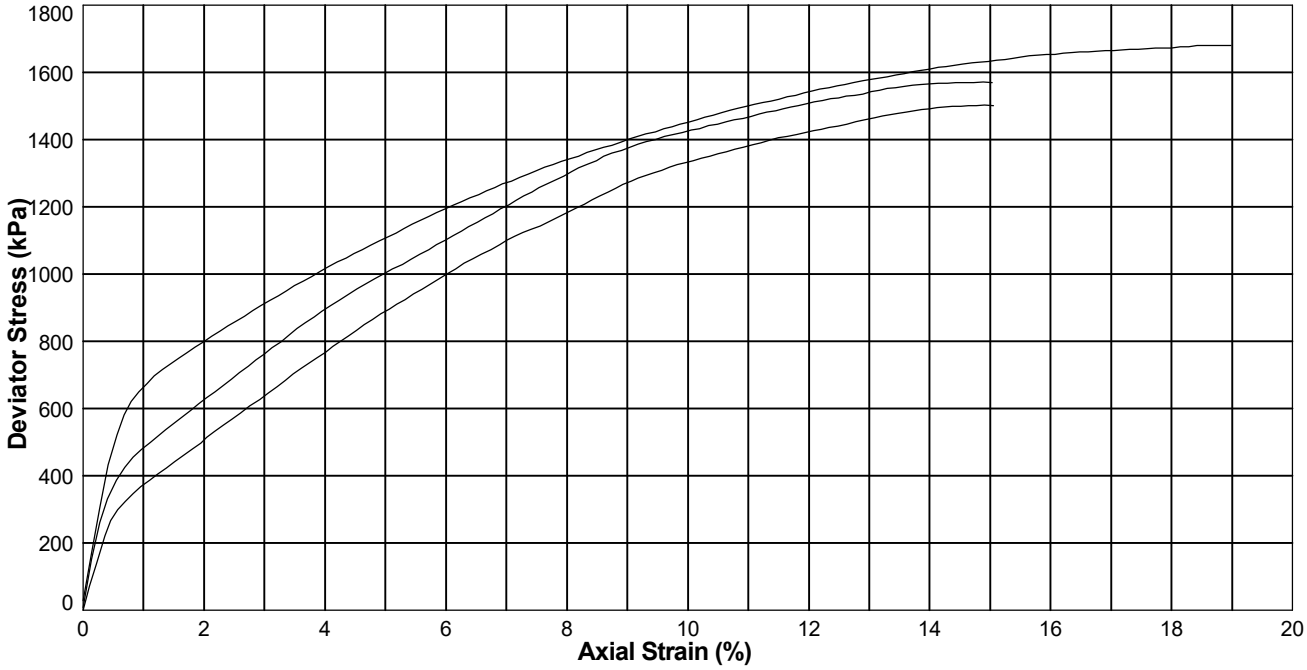
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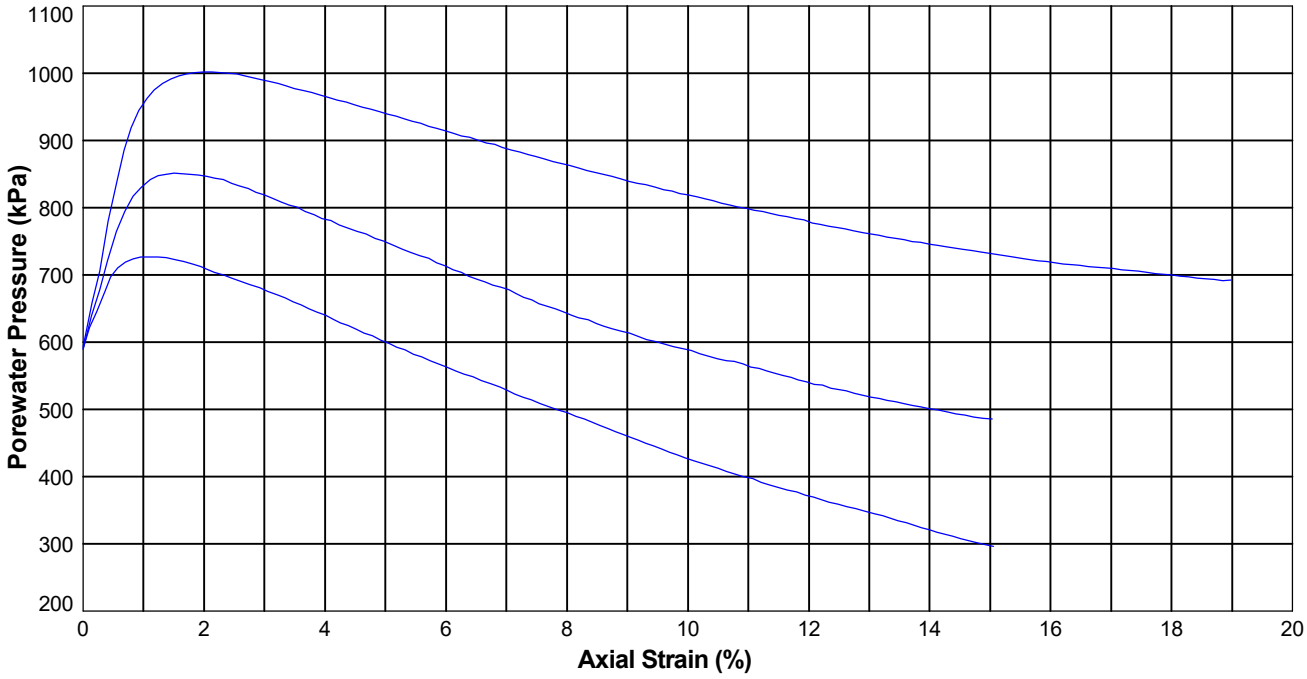
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **27** Sample Type : **C** Depth (m) : **41.75**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Contract Ref: **734318**

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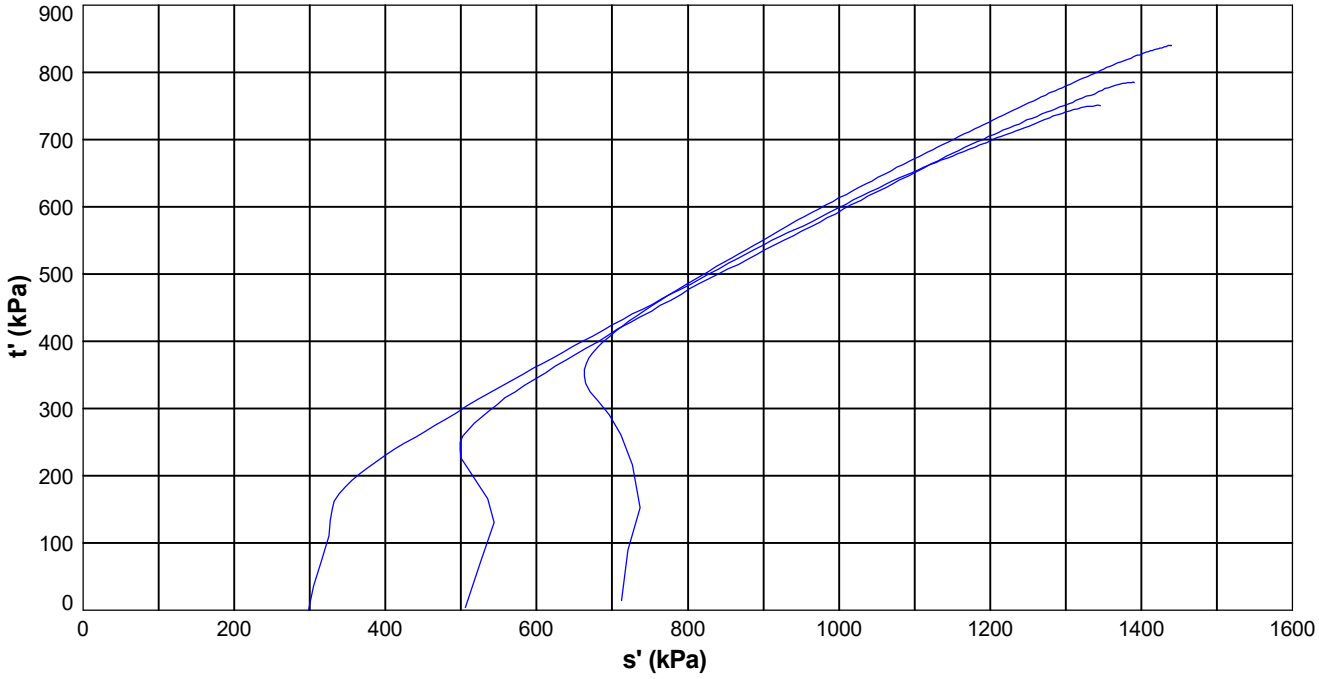
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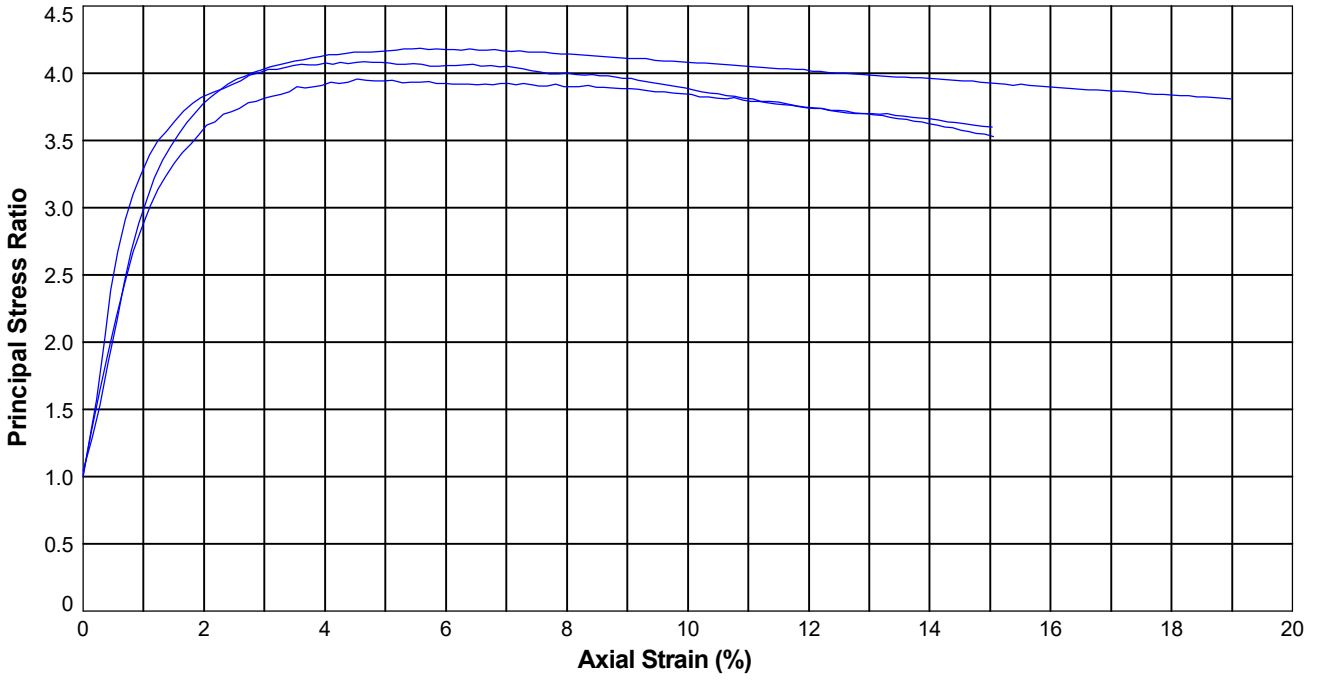
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Borehole : **DCBH2019_3** Sample Ref : **27** Sample Type : **C** Depth (m) : **41.75**

SHEAR STAGE



SHEAR STAGE



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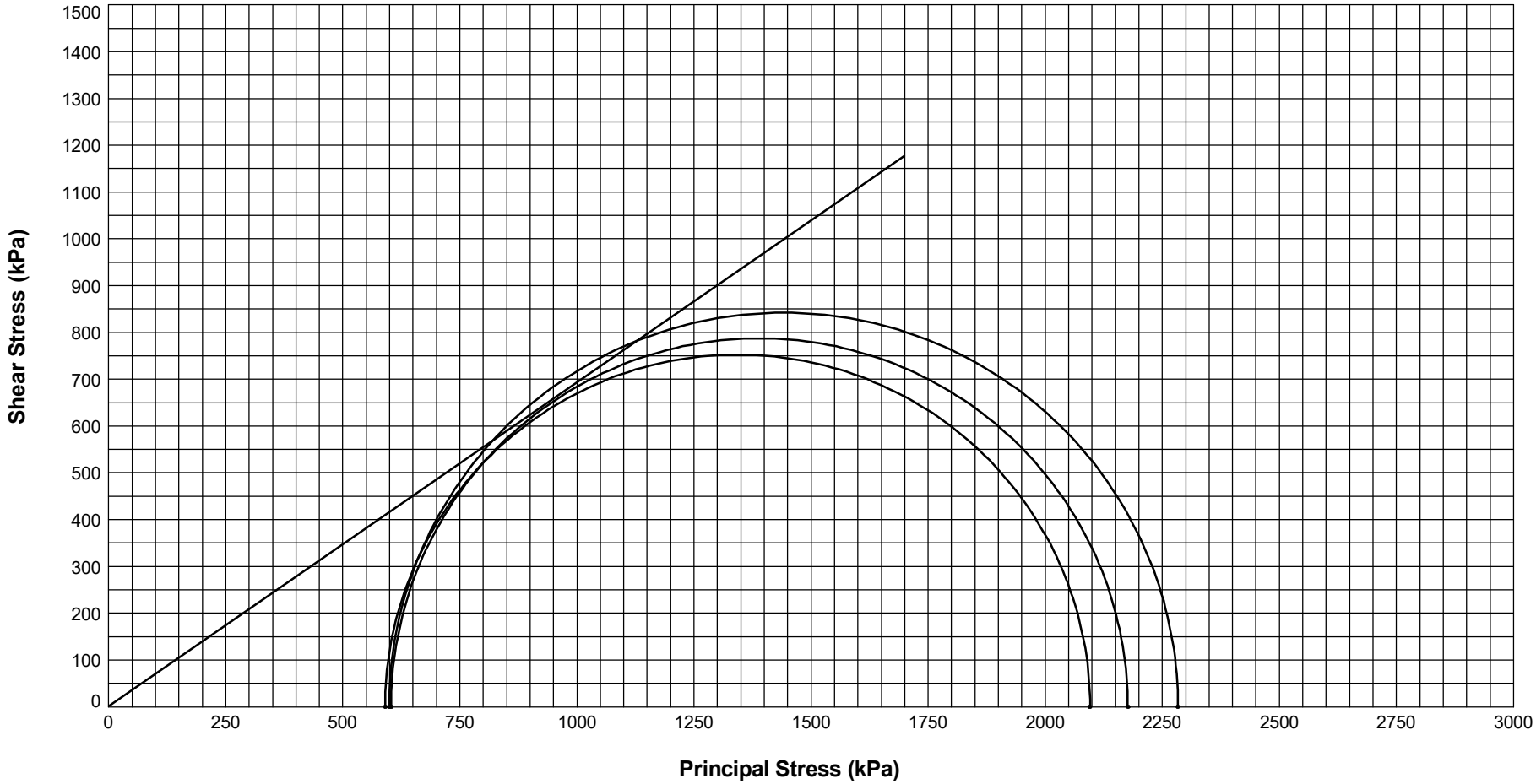
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_3** Sample Ref : **27** Sample Type : **C** Depth (m) : **41.75**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **32** Sample Type : **C** Depth (m) : **53.72**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Brown silty CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.62**	**37.97**	**37.83**
Initial Height (mm)	**75.69**	**75.62**	**75.71**
Initial Mass (g)	**154.38**	**160.33**	**159.12**
Initial Moisture Content (%)	**38**	**38**	**39**
Initial Bulk Density (Mg/m^3)	**1.83**	**1.87**	**1.87**
Initial Dry Density (Mg/m^3)	**1.33**	**1.36**	**1.35**
Initial B-Value	**0.43**	**0.54**	**0.60**
Final Moisture Content (%)	**38**	**36**	**36**
Final Bulk Density (Mg/m^3)	**2.03**	**2.04**	**2.04**
Final Dry Density (Mg/m^3)	**1.47**	**1.50**	**1.50**
SATURATION			
Duration (days)	**6**	**4**	**4**
Final B-Value	**0.98**	**1.00**	**1.00**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**890**	**940**	**1140**
Back Pressure (kPa)	**492**	**340**	**340**
Initial Volume (cm^3)	**84.144**	**85.645**	**85.109**
Final Volume (cm^3)	**76.474**	**77.335**	**76.639**
Change in Volume (cm^3)	**7.670**	**8.310**	**8.470**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**890**	**940**	**1140**
Initial Porewater Pressure (kPa)	**502.9**	**368.4**	**364.8**
Strain Rate (mm/min)	**0.00510**	**0.00508**	**0.00508**
Axial Strain at Failure (%)	**2.53**	**2.84**	**3.55**
Time to Failure (h)	**6.1**	**6.8**	**8.5**
Deviator Stress at Failure (kPa)	**476.7**	**702.8**	**861.9**
Porewater Pressure at Failure (kPa)	**675**	**638.9**	**709.3**
Effective Major Principal Stress (kPa)	**691.3**	**1003.7**	**1293.3**
Effective Minor Principal Stress (kPa)	**214.6**	**300.9**	**431.4**
Effective Principal Stress Ratio	**3.22**	**3.34**	**3.00**
Pore Pressure Coefficient - A_f	**0.36**	**0.38**	**0.40**

Effective Cohesion (kPa) : **38** Angle of Shear Resistance (degs) : **27**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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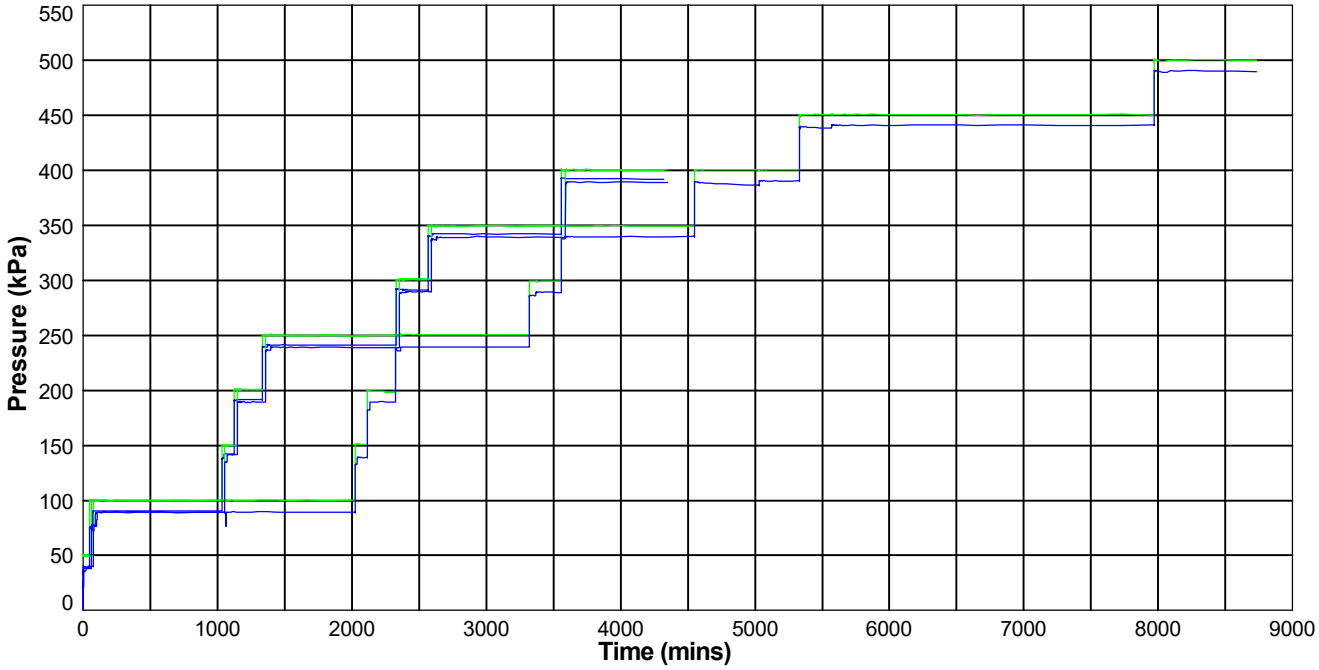
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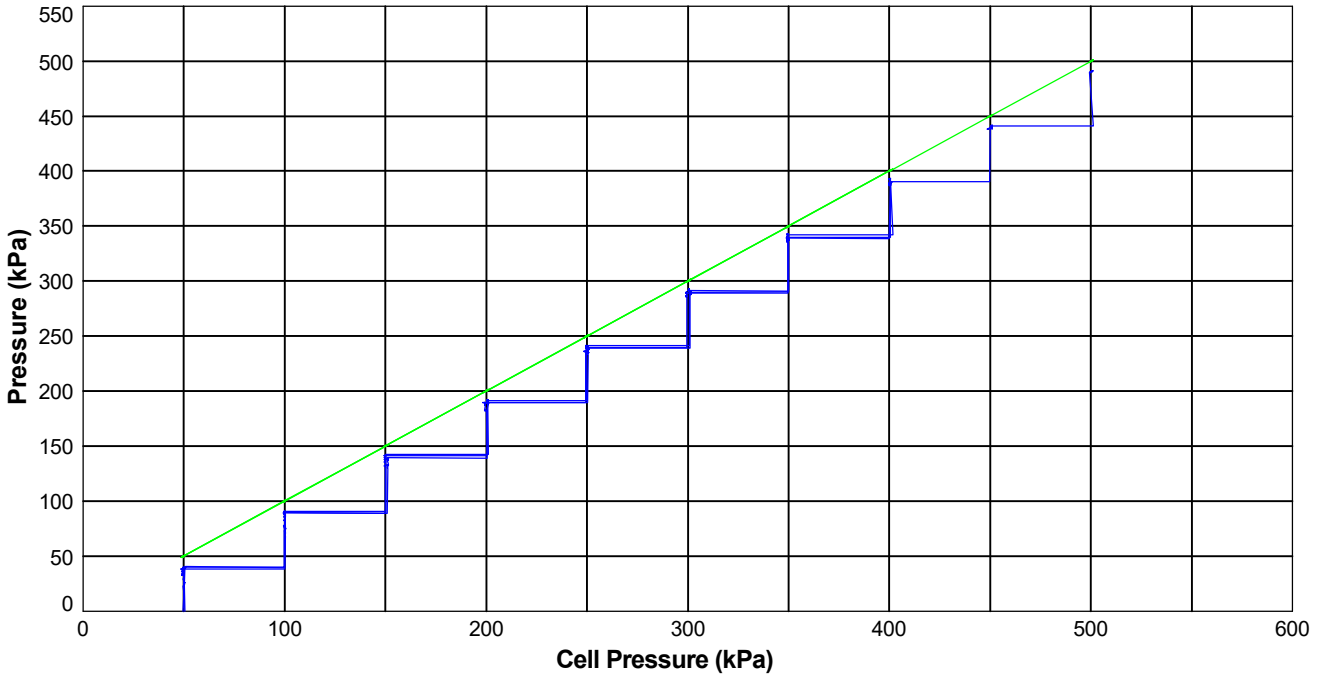
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **32** Sample Type : **C** Depth (m) : **53.72**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	

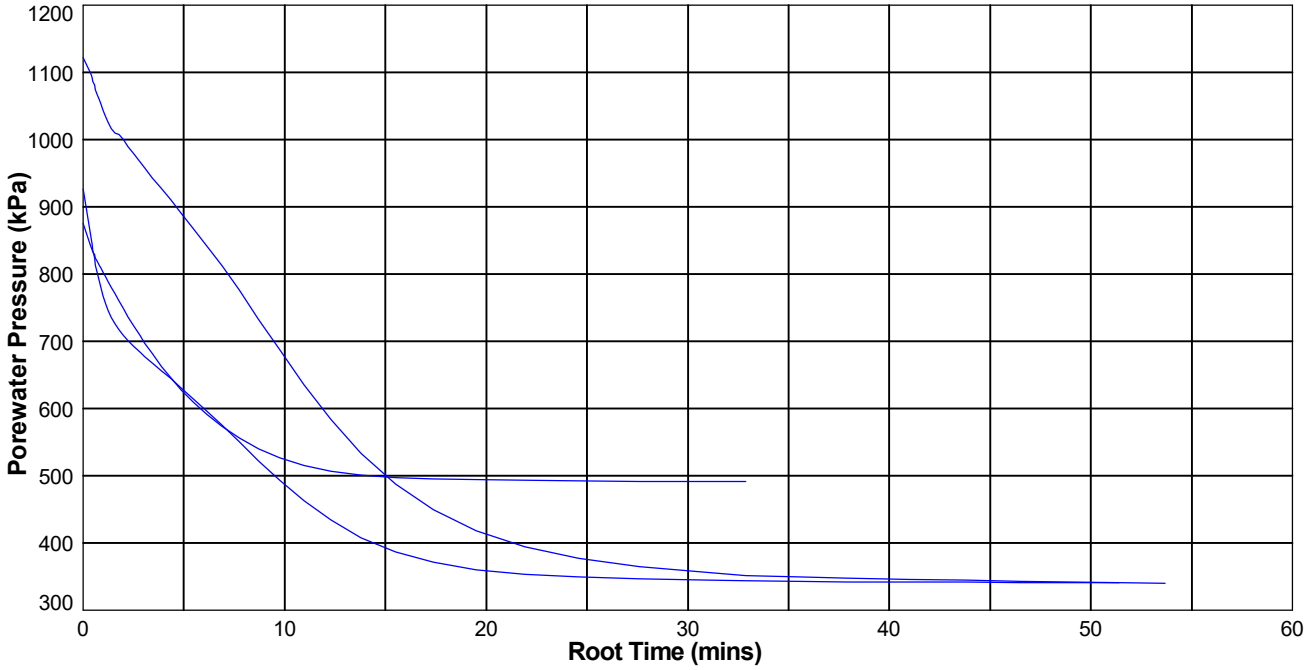
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

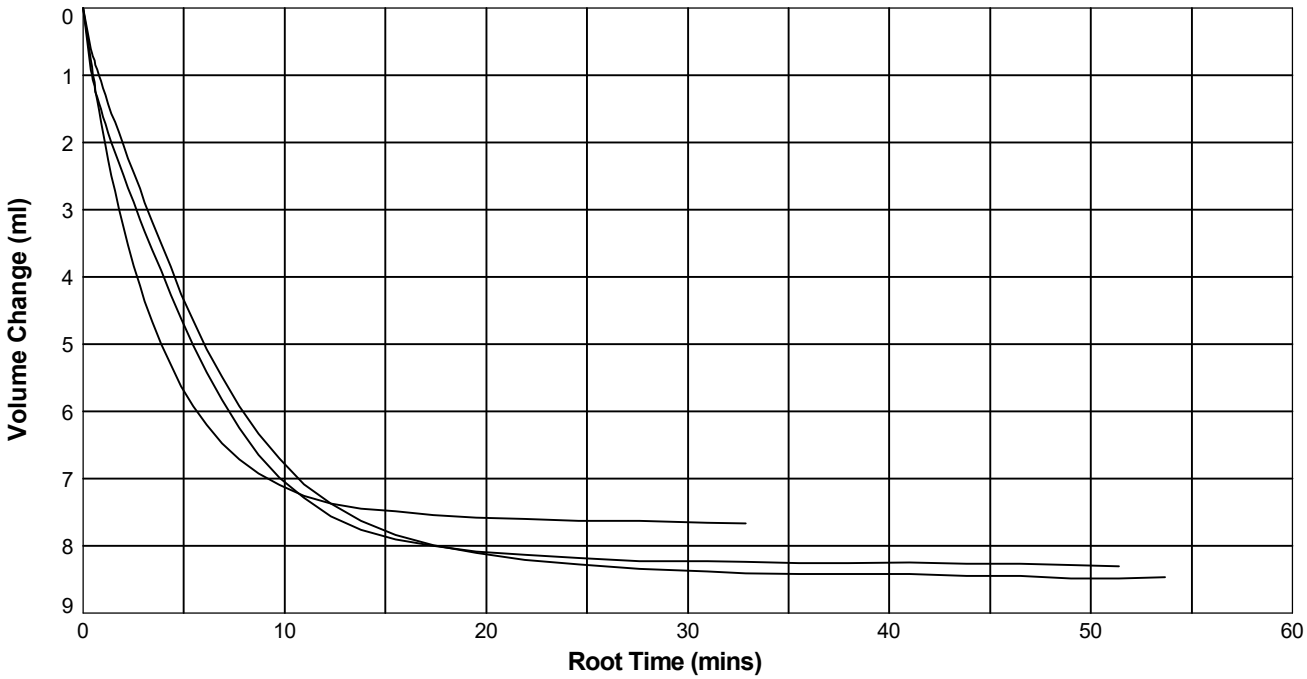
Borehole : **DCBH2019_3** Sample Ref : **32** Sample Type : **C** Depth (m) : **53.72**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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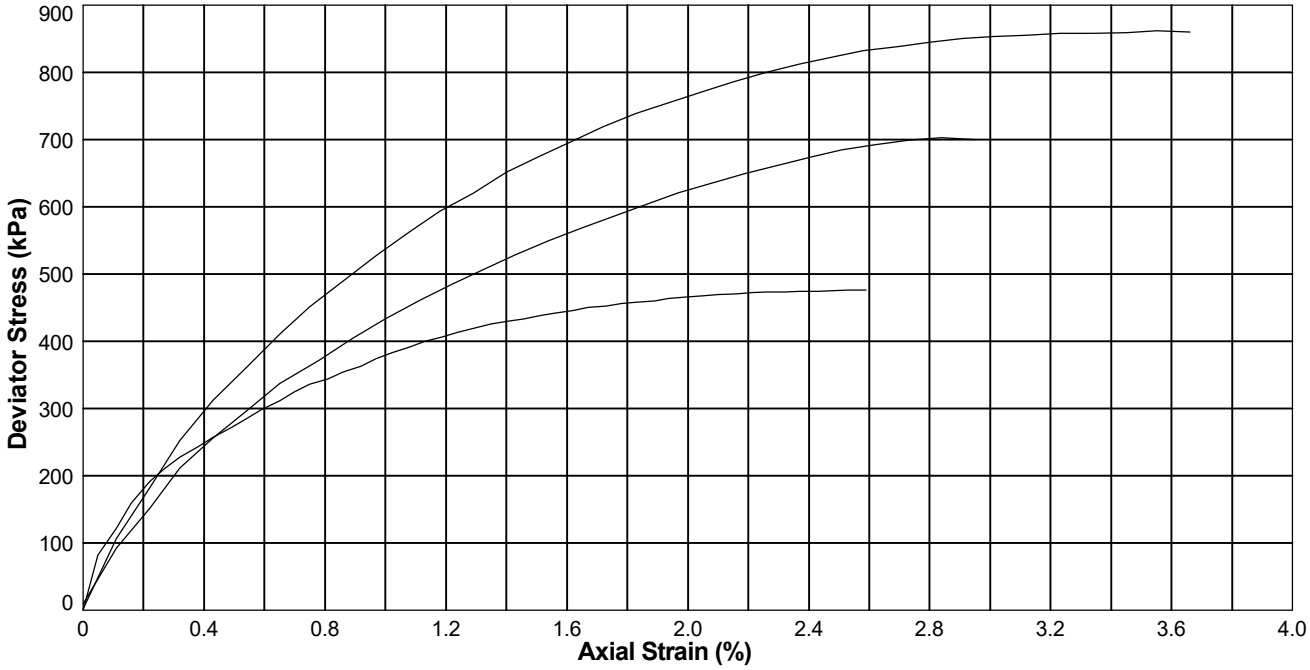
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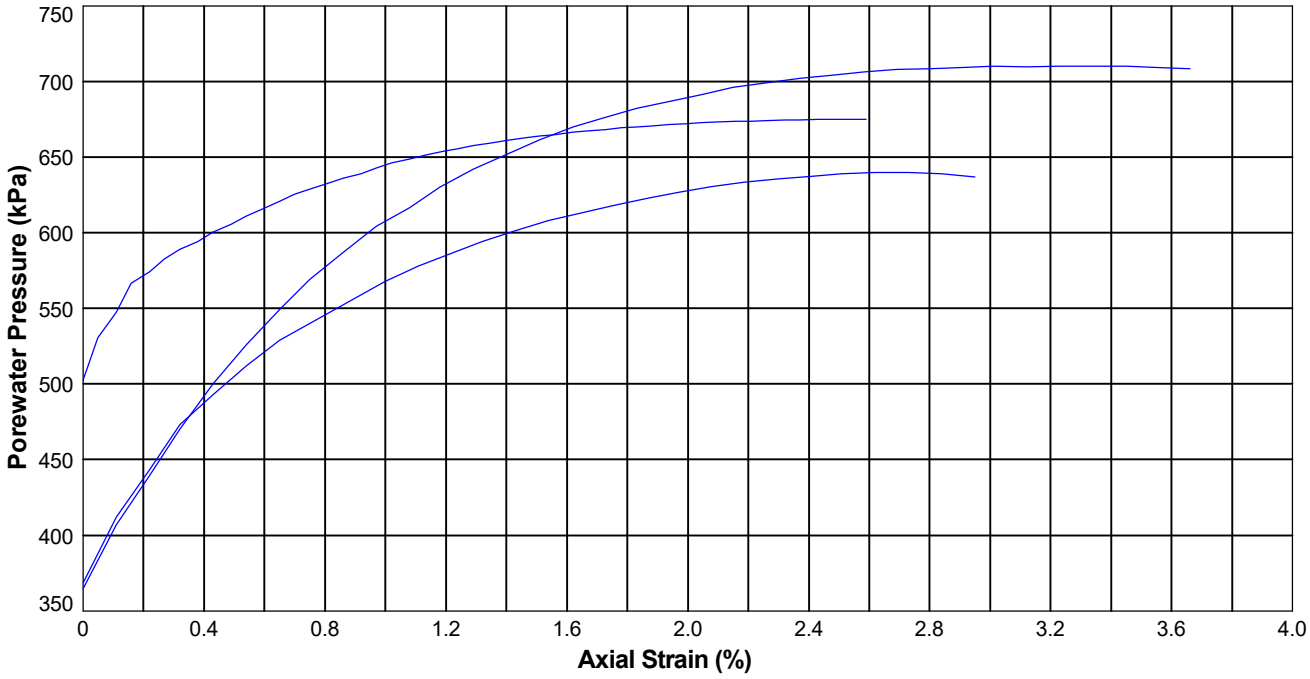
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Borehole : **DCBH2019_3** Sample Ref : **32** Sample Type : **C** Depth (m) : **53.72**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

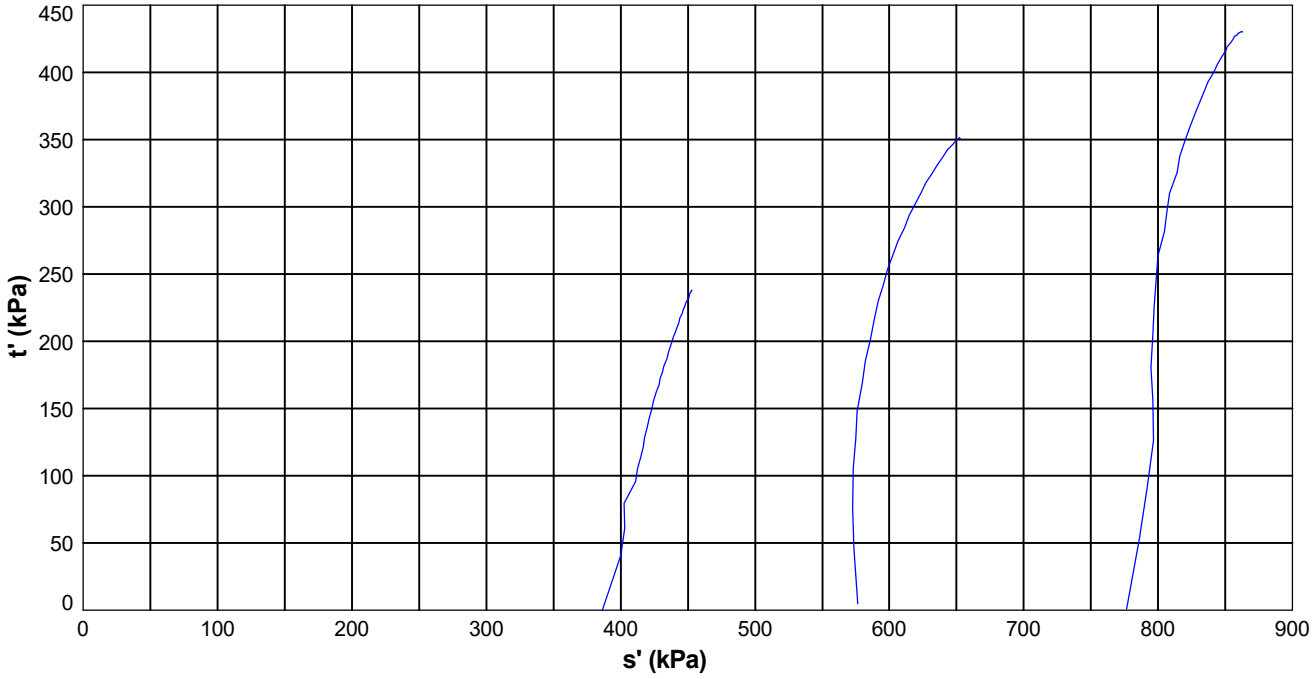
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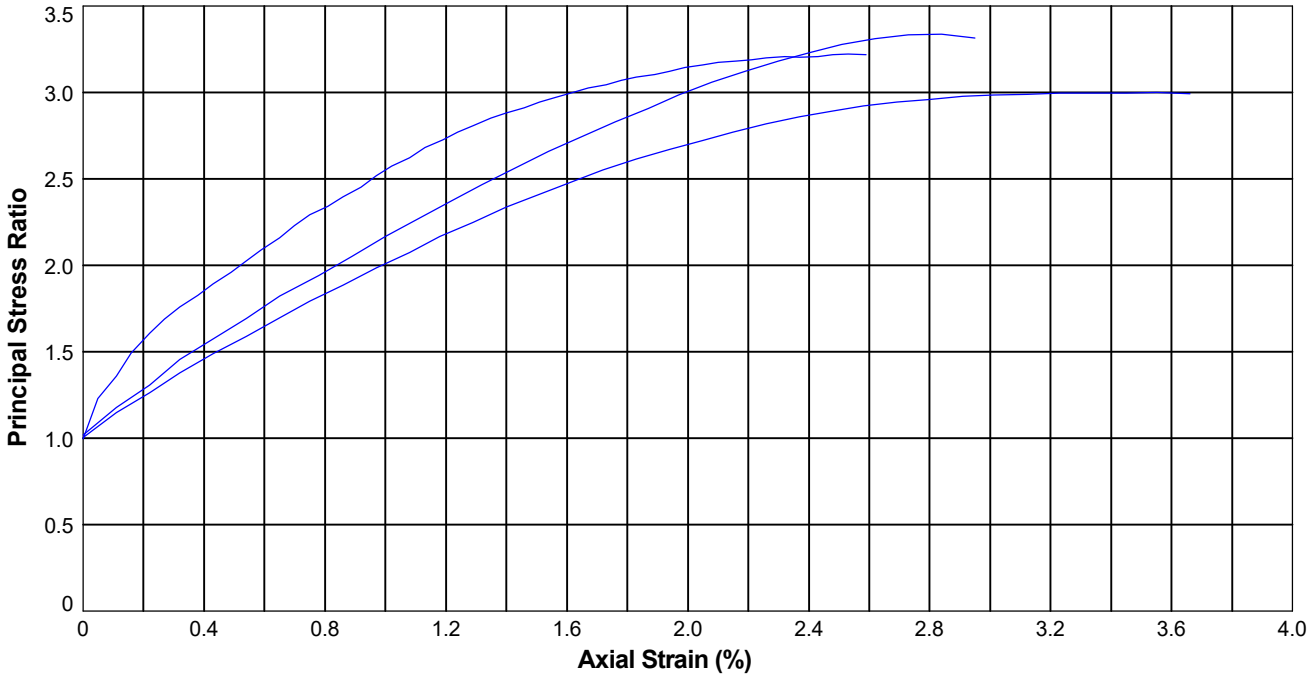
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Borehole : **DCBH2019_3** Sample Ref : **32** Sample Type : **C** Depth (m) : **53.72**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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	Date
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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

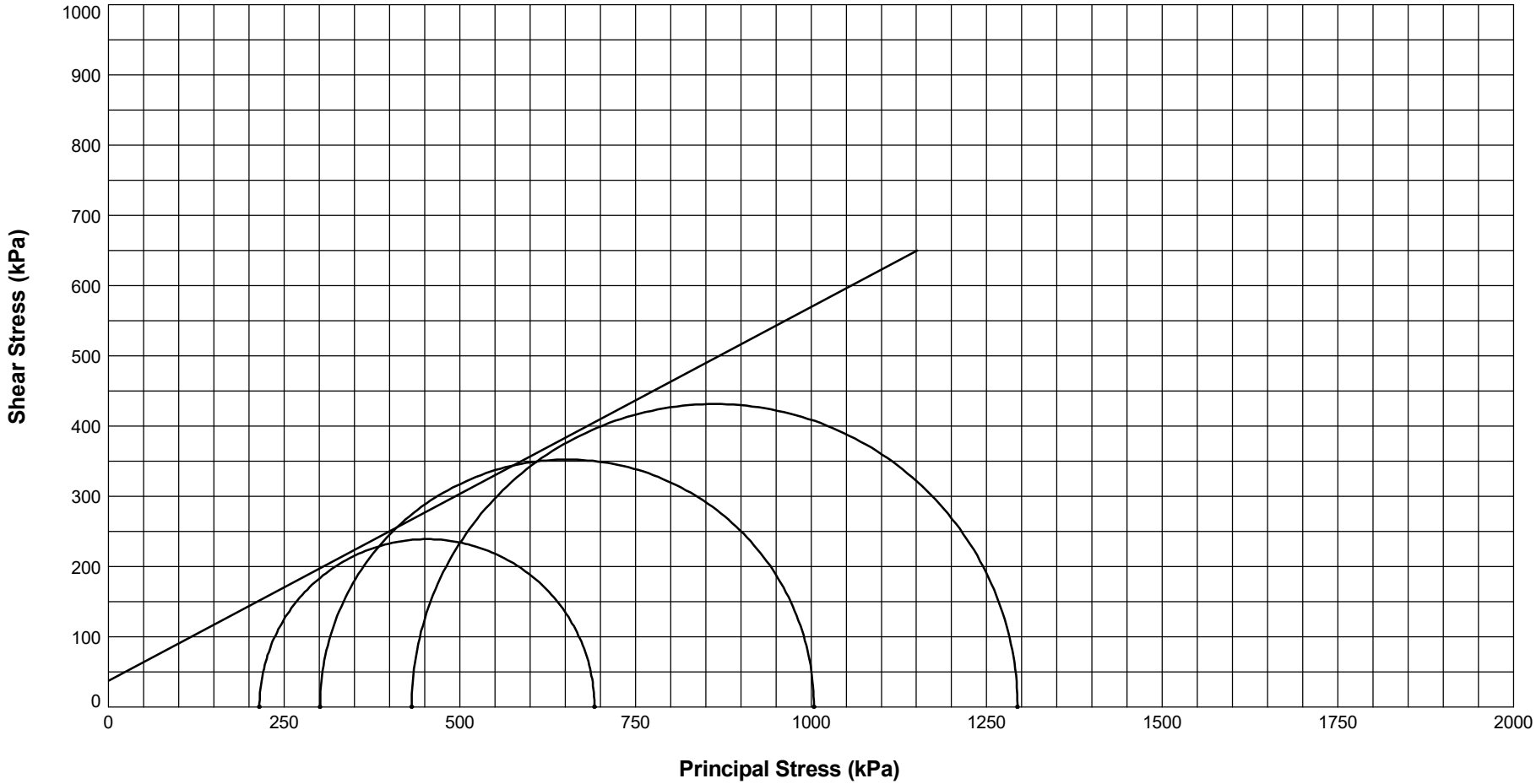
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_3** Sample Ref : **32** Sample Type : **C** Depth (m) : **53.72**



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

	By	Date
	FRANCESCA BENNETT	12.05.20
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Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **35A** Sample Type : **C** Depth (m) : **56.85**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Brown slightly sandy silty CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**38.08**	**38.09**	**37.96**
Initial Height (mm)	**75.86**	**75.90**	**75.77**
Initial Mass (g)	**168.73**	**168.69**	**166.50**
Initial Moisture Content (%)	**29**	**29**	**29**
Initial Bulk Density (Mg/m^3)	**1.95**	**1.95**	**1.94**
Initial Dry Density (Mg/m^3)	**1.51**	**1.51**	**1.50**
Initial B-Value	**0.40**	**0.42**	**0.34**
Final Moisture Content (%)	**29**	**29**	**28**
Final Bulk Density (Mg/m^3)	**2.13**	**2.16**	**2.18**
Final Dry Density (Mg/m^3)	**1.65**	**1.68**	**1.69**
SATURATION			
Duration (days)	**5**	**5**	**5**
Final B-Value	**0.97**	**0.99**	**0.98**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740**	**940**	**1140**
Back Pressure (kPa)	**340**	**340**	**340**
Initial Volume (cm^3)	**86.37**	**38.087**	**85.744**
Final Volume (cm^3)	**79.29**	**77.856**	**76.004**
Change in Volume (cm^3)	**7.080**	**39.769**	**9.740**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740**	**940**	**1140**
Initial Porewater Pressure (kPa)	**352.2**	**351.2**	**359**
Strain Rate (mm/min)	**0.00512**	**0.00510**	**0.00304**
Axial Strain at Failure (%)	**4.62**	**4.92**	**4.56**
Time to Failure (h)	**11.1**	**11.8**	**18.2**
Deviator Stress at Failure (kPa)	**611.1**	**740.8**	**758.2**
Porewater Pressure at Failure (kPa)	**473.8**	**553.4**	**679.7**
Effective Major Principal Stress (kPa)	**877.1**	**1127.0**	**1219.5**
Effective Minor Principal Stress (kPa)	**266.0**	**386.2**	**461.3**
Effective Principal Stress Ratio	**3.30**	**2.92**	**2.64**
Pore Pressure Coefficient - A_f	**0.20**	**0.27**	**0.42**

Effective Cohesion (kPa) : **162** Angle of Shear Resistance (degs) : **16**

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Sizewell C Onshore GI Phase 2 2019

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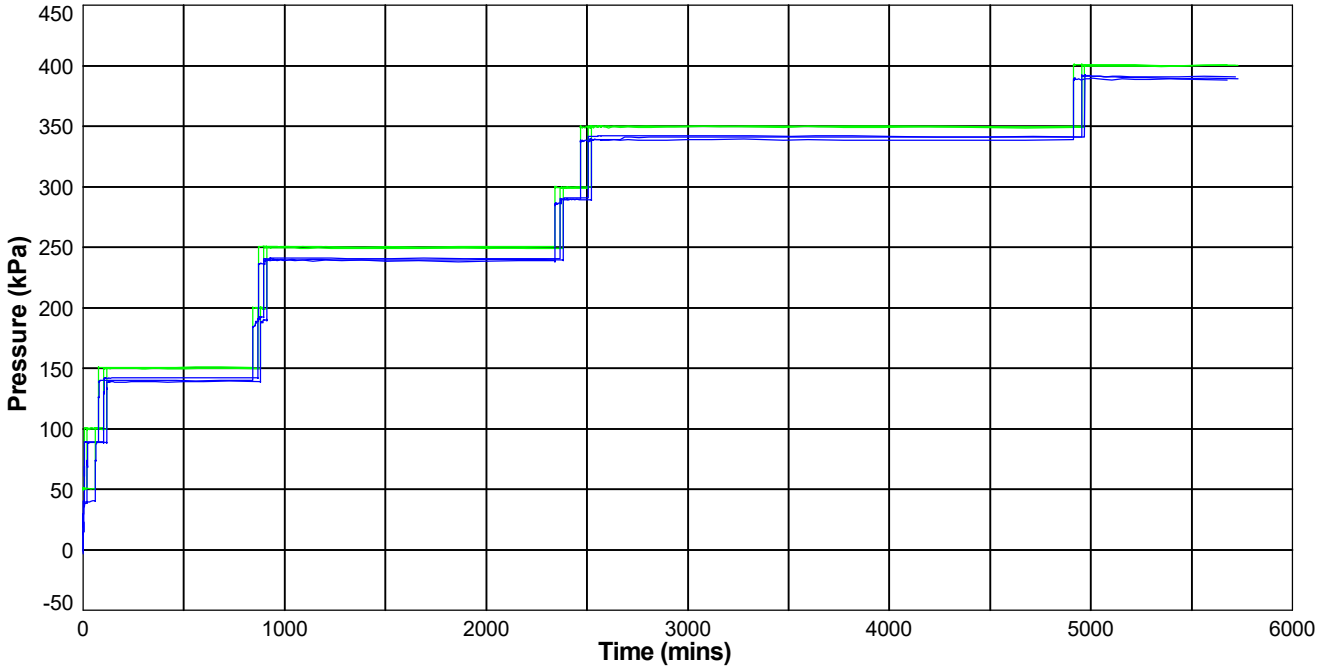
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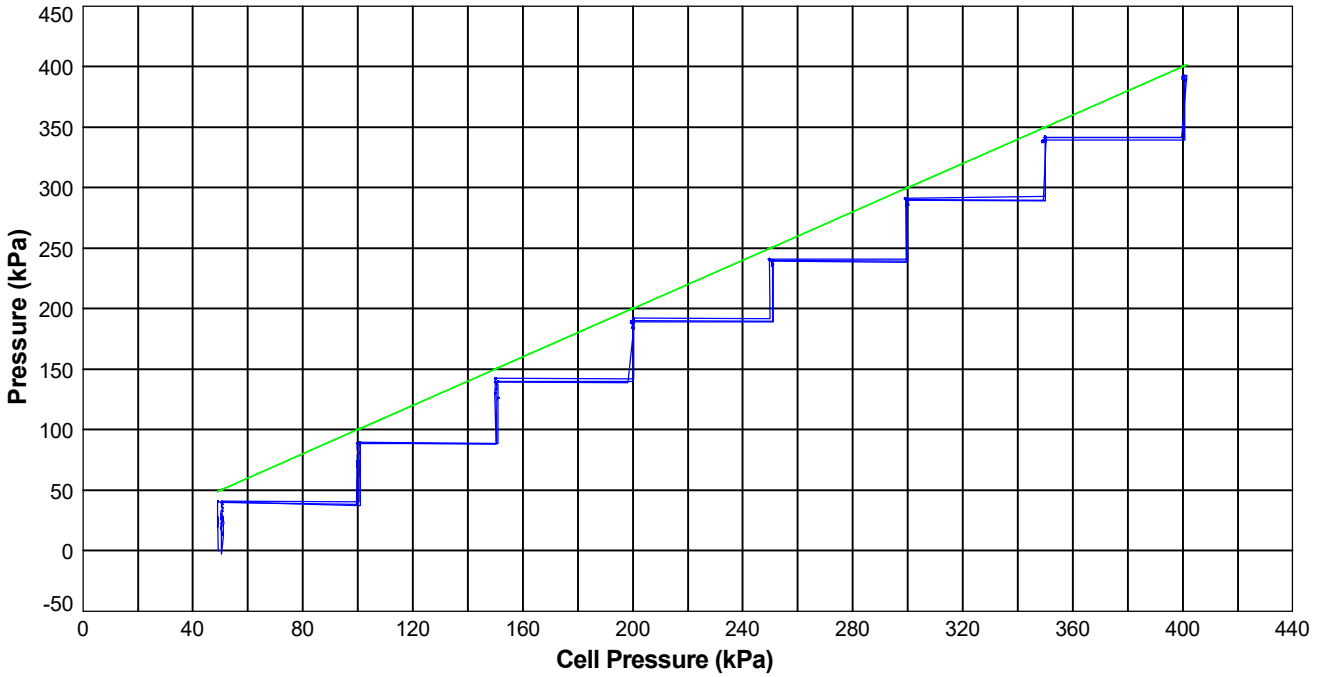
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Borehole : **DCBH2019_3** Sample Ref : **35A** Sample Type : **C** Depth (m) : **56.85**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

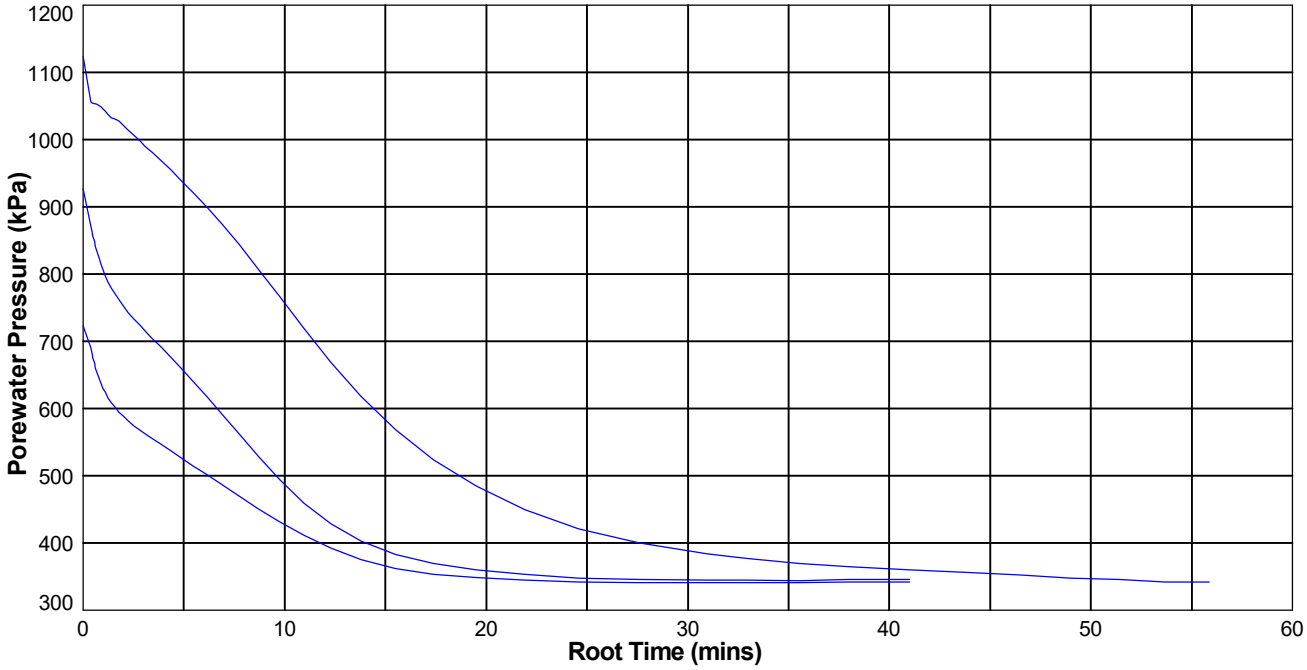
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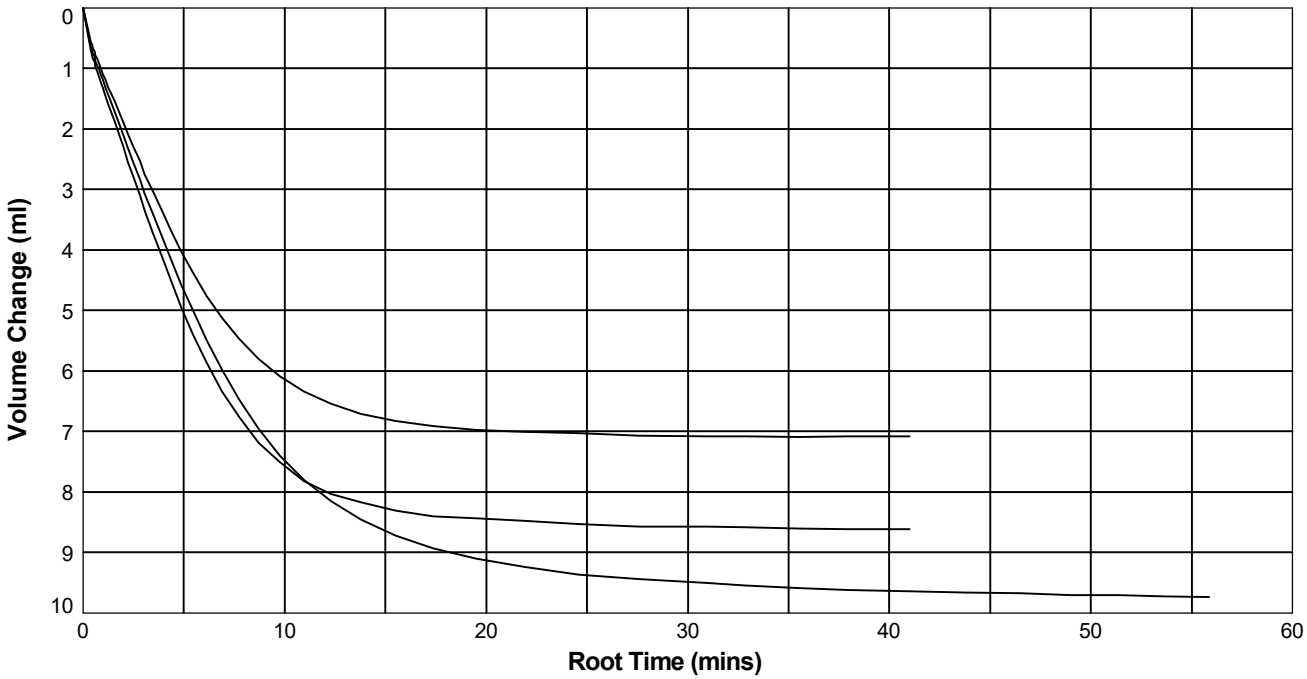
Borehole : **DCBH2019_3** Sample Ref : **35A** Sample Type : **C** Depth (m) : **56.85**

CONSOLIDATION STAGE



Key: Base:

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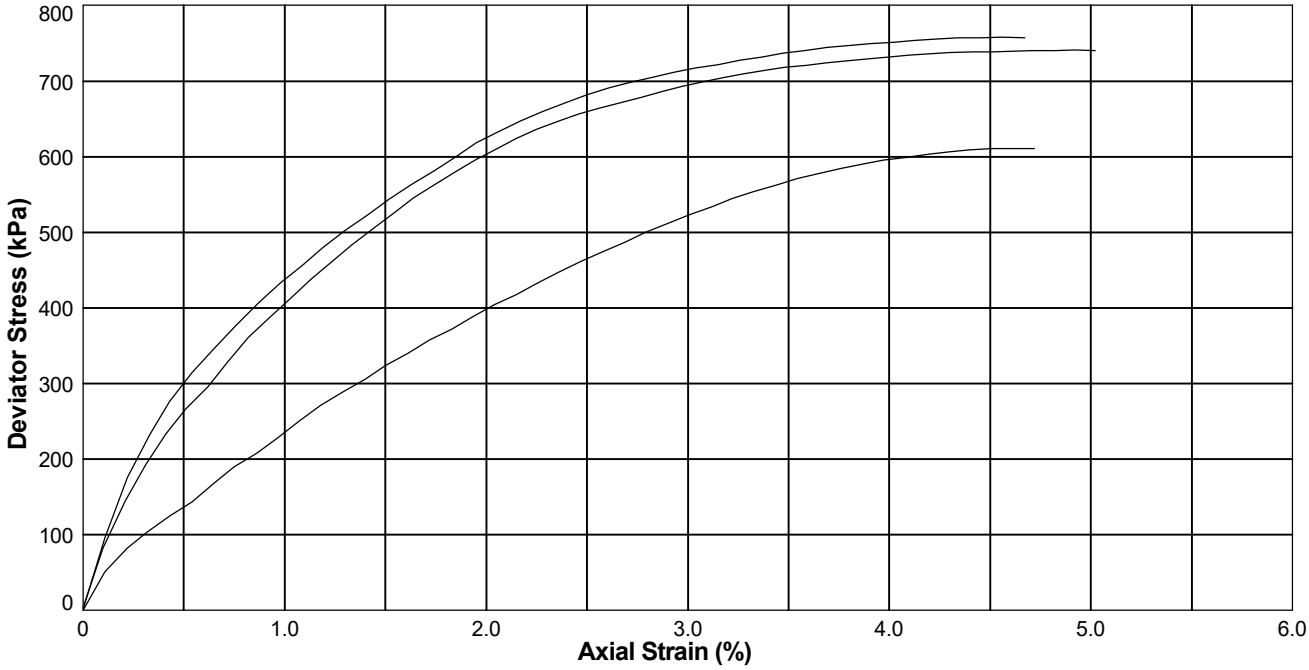
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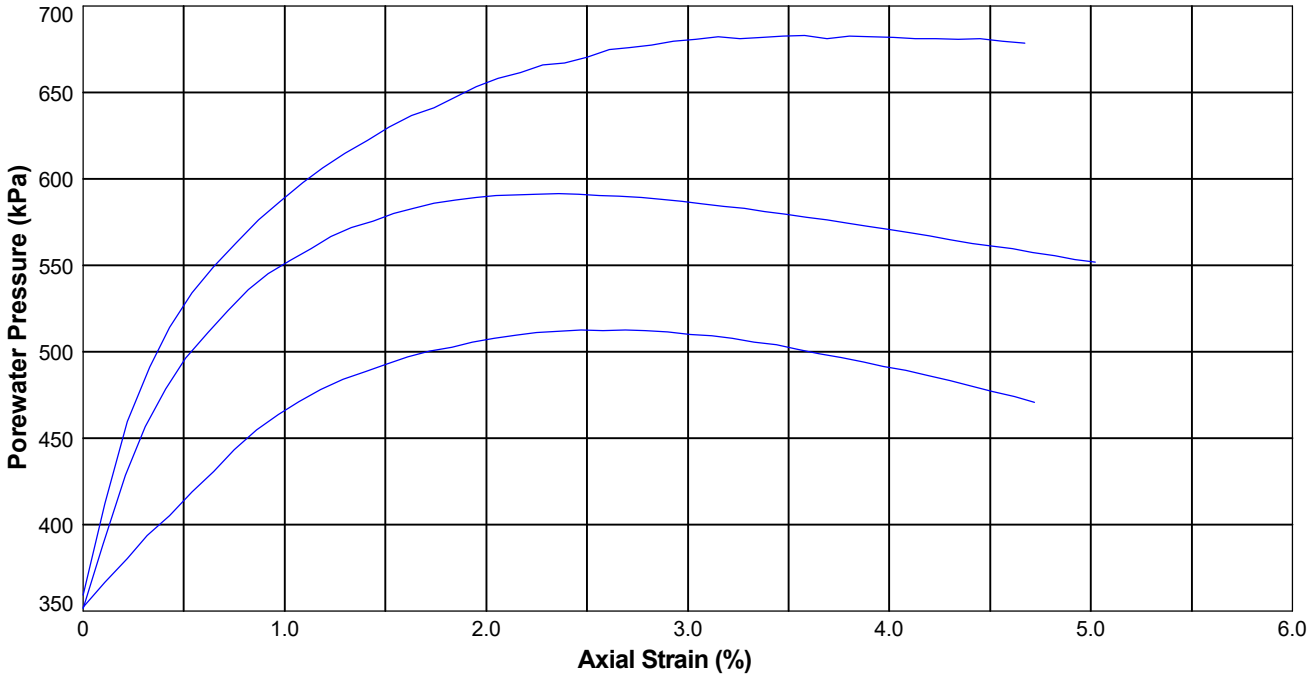
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Borehole : **DCBH2019_3** Sample Ref : **35A** Sample Type : **C** Depth (m) : **56.85**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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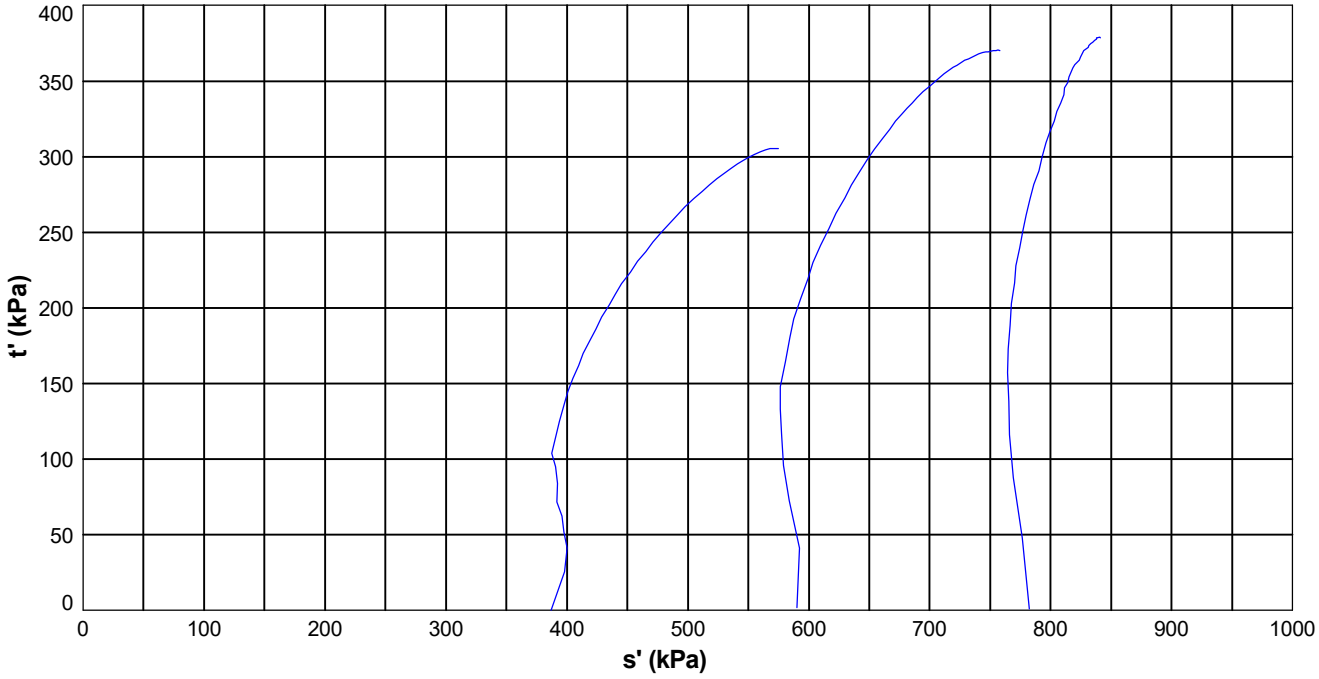
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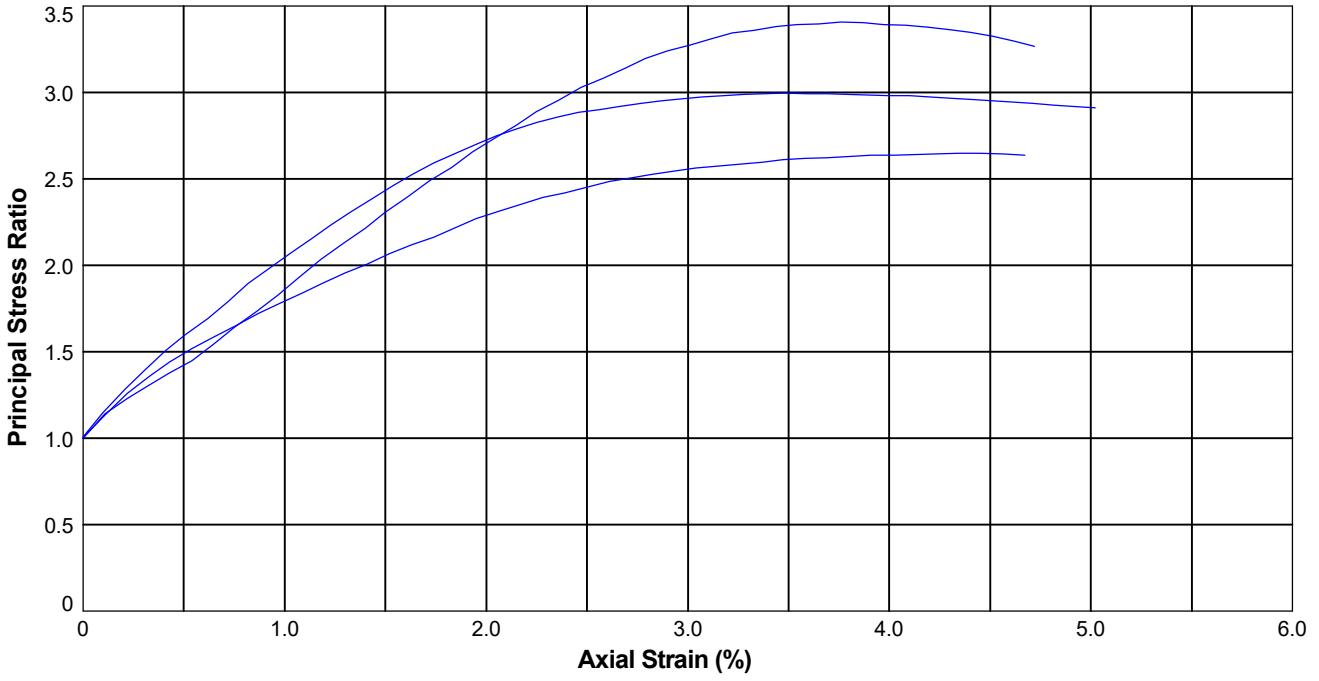
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Borehole : **DCBH2019_3** Sample Ref : **35A** Sample Type : **C** Depth (m) : **56.85**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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d By	Date
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Contract Ref: **734318**

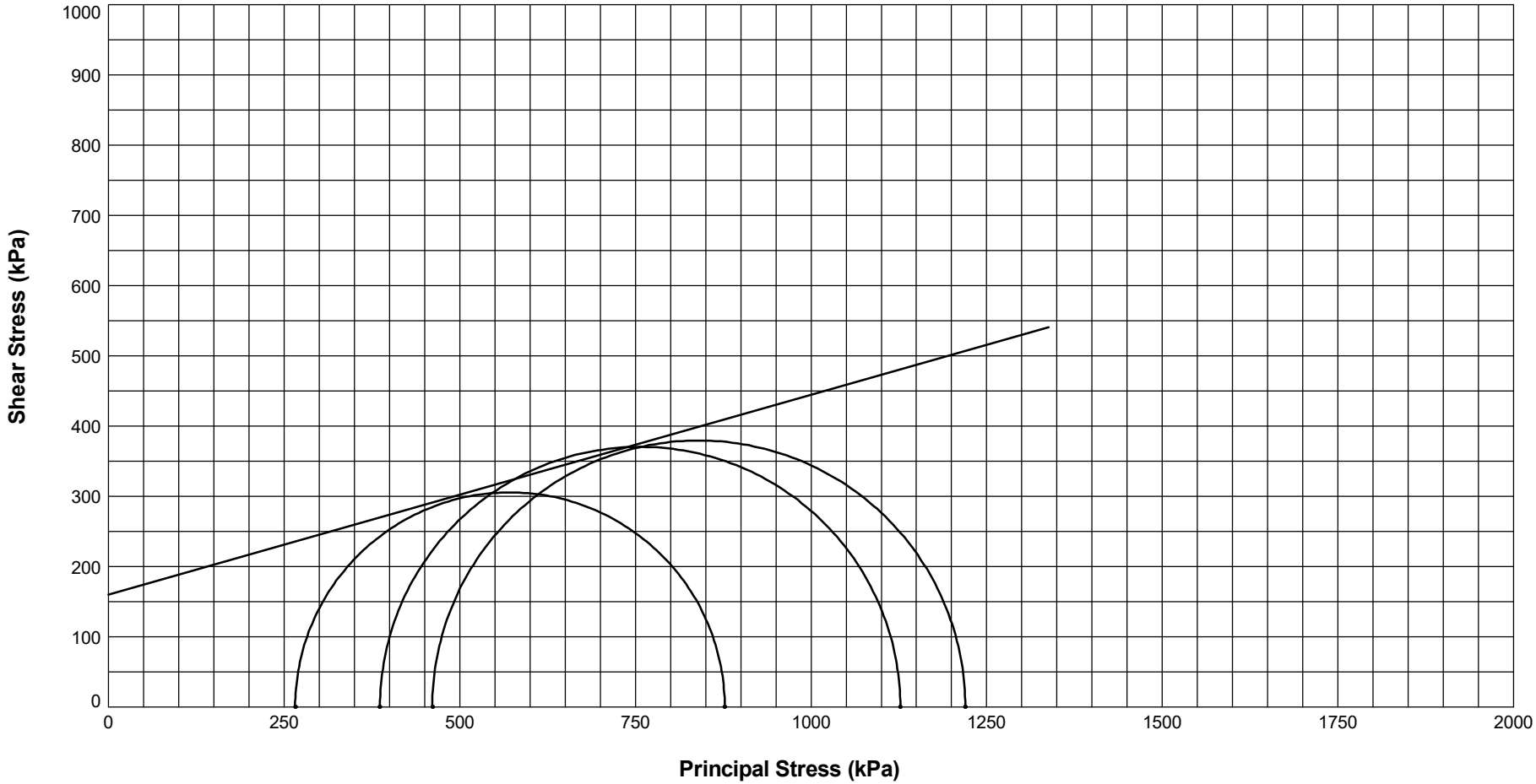
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_3** Sample Ref : **35A** Sample Type : **C** Depth (m) : **56.85**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **39** Sample Type : **C** Depth (m) : **61.39**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Greyish brown mottled grey CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**49.43**	**49.18**	**49.45**
Initial Height (mm)	**100.18**	**100.31**	**100.24**
Initial Mass (g)	**400.01**	**400.14**	**404.13**
Initial Moisture Content (%)	**24**	**21**	**22**
Initial Bulk Density (Mg/m^3)	**2.08**	**2.10**	**2.10**
Initial Dry Density (Mg/m^3)	**1.68**	**1.73**	**1.72**
Initial B-Value	**0.35**	**0.44**	**0.62**
Final Moisture Content (%)	**23**	**21**	**21**
Final Bulk Density (Mg/m^3)	**2.25**	**2.26**	**2.26**
Final Dry Density (Mg/m^3)	**1.84**	**1.87**	**1.87**
SATURATION			
Duration (days)	**3**	**3**	**3**
Final B-Value	**1.00**	**0.95**	**0.96**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**840**	**1040**	**1239**
Back Pressure (kPa)	**340**	**340**	**340**
Initial Volume (cm^3)	**192.218**	**190.545**	**192.508**
Final Volume (cm^3)	**176.128**	**176.505**	**177.318**
Change in Volume (cm^3)	**16.090**	**14.040**	**15.190**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**840**	**1040**	**1239**
Initial Porewater Pressure (kPa)	**344.5**	**349.8**	**363.5**
Strain Rate (mm/min)	**0.004509**	**0.005096**	**0.006778**
Axial Strain at Failure (%)	**4.28**	**4.06**	**2.81**
Time to Failure (h)	**15.4**	**13.0**	**6.7**
Deviator Stress at Failure (kPa)	**479.7**	**639.5**	**795.5**
Porewater Pressure at Failure (kPa)	**519.5**	**566.4**	**643.1**
Effective Major Principal Stress (kPa)	**799.7**	**1112.8**	**1391.3**
Effective Minor Principal Stress (kPa)	**320.0**	**473.3**	**595.8**
Effective Principal Stress Ratio	**2.50**	**2.35**	**2.34**
Pore Pressure Coefficient - A_f	**0.36**	**0.34**	**0.35**

Effective Cohesion (kPa) : **30** Angle of Shear Resistance (degs) : **22**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

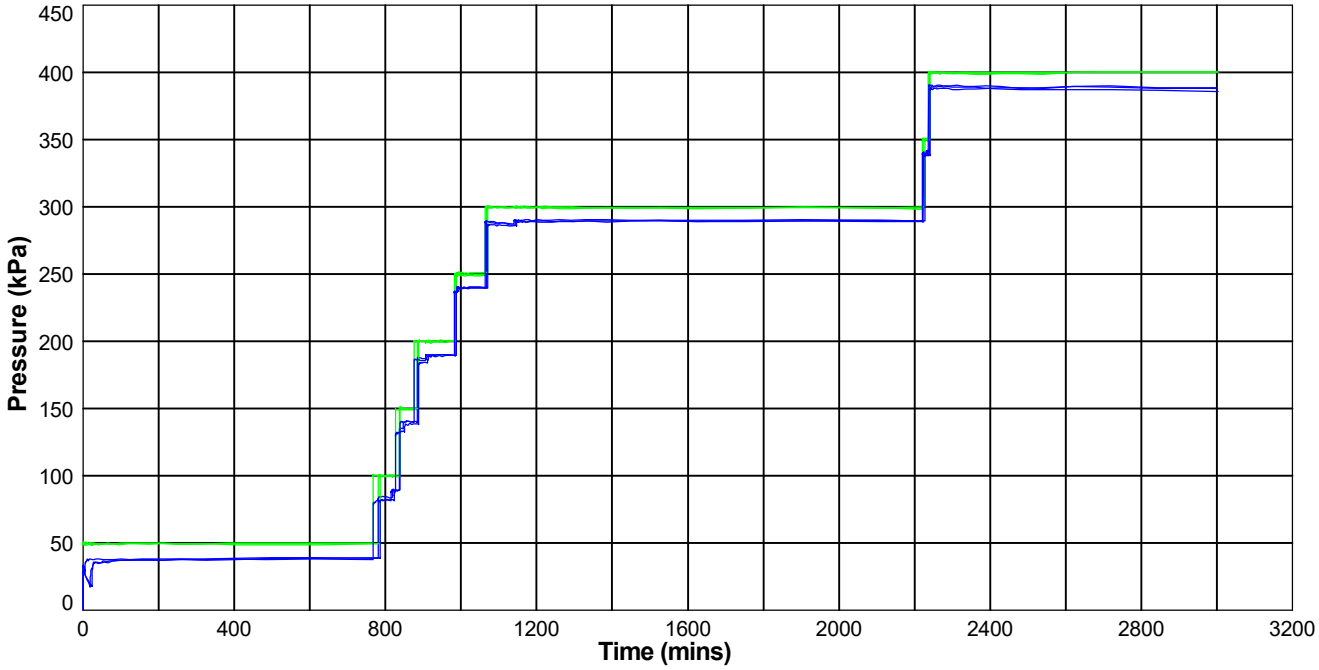
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

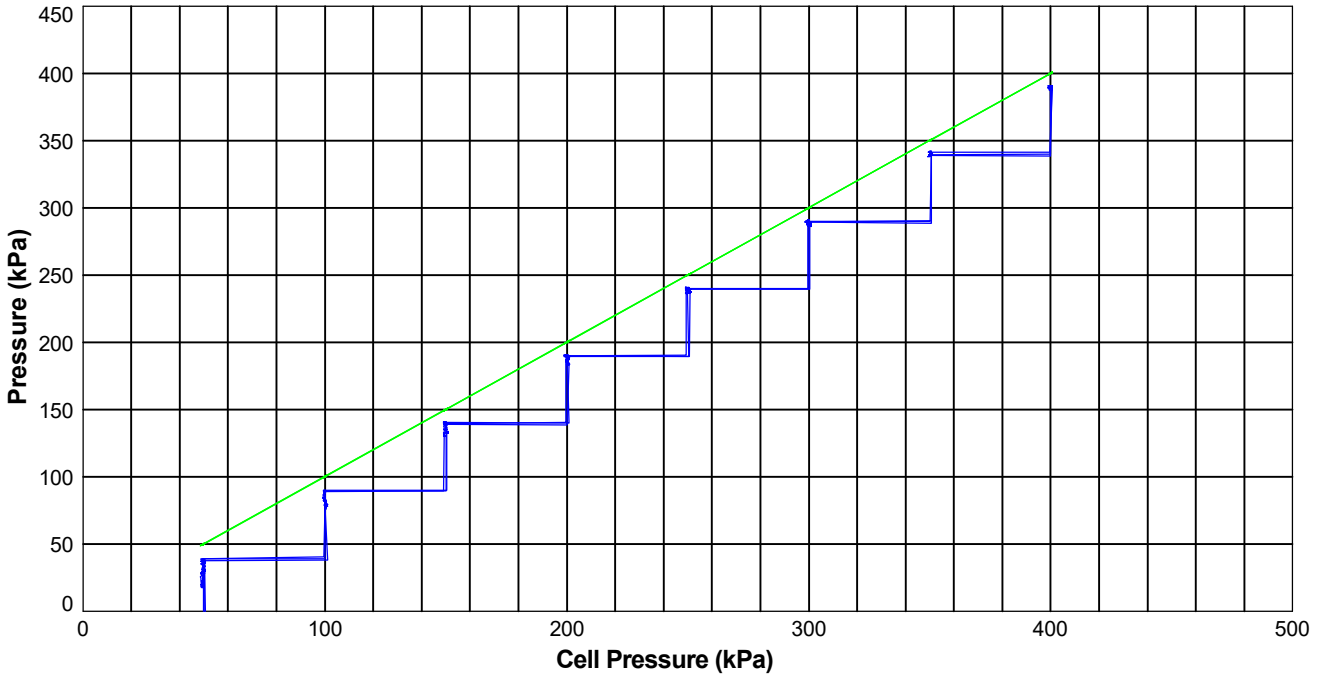
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_3** Sample Ref : **39** Sample Type : **C** Depth (m) : **61.39**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

[redacted]

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	FRANCESCA BENNETT	**12/05/20**
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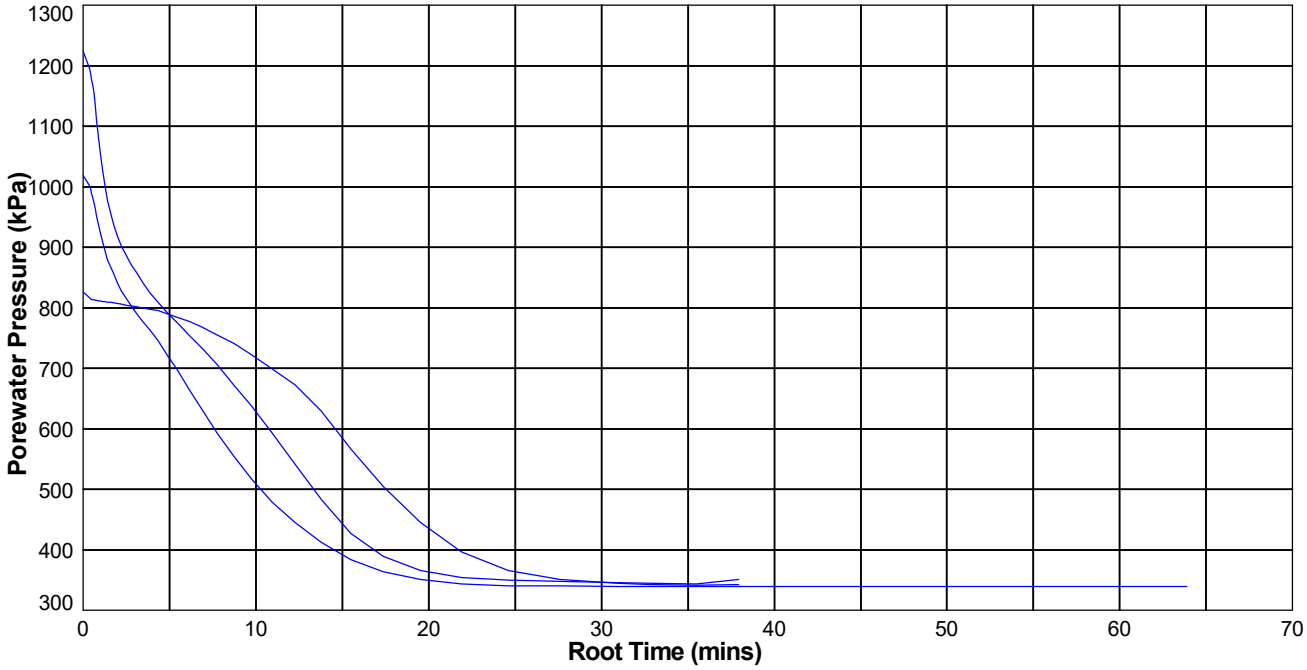
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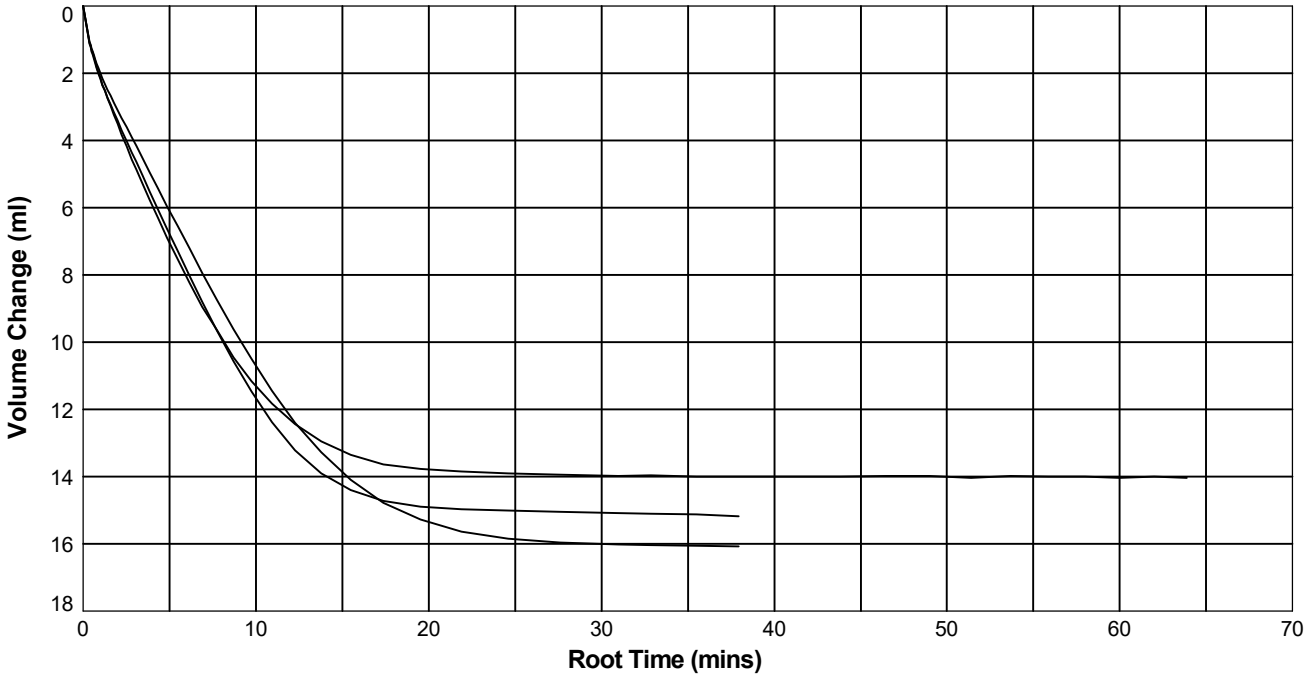
Borehole : **DCBH2019_3** Sample Ref : **39** Sample Type : **C** Depth (m) : **61.39**

CONSOLIDATION STAGE



Key: Base:

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Contract Ref: 734318

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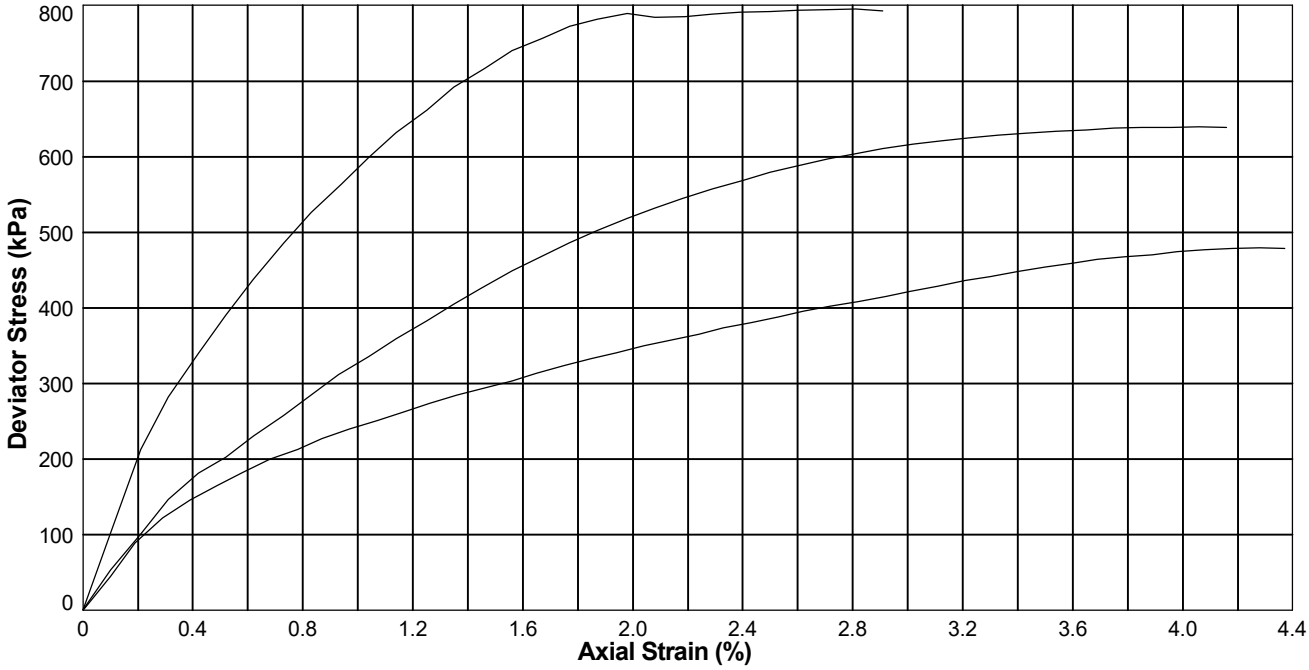
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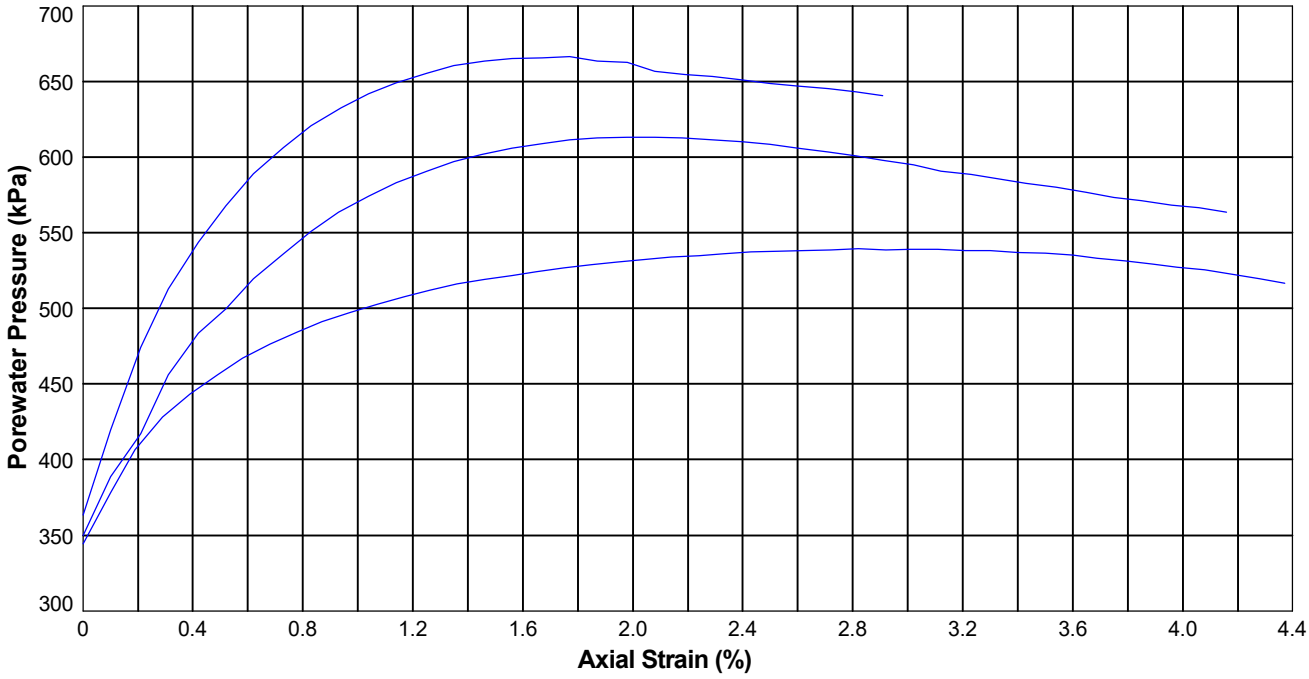
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Borehole : **DCBH2019_3** Sample Ref : **39** Sample Type : **C** Depth (m) : **61.39**

SHEAR STAGE



SHEAR STAGE



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FRANCESCA BENNETT	**12/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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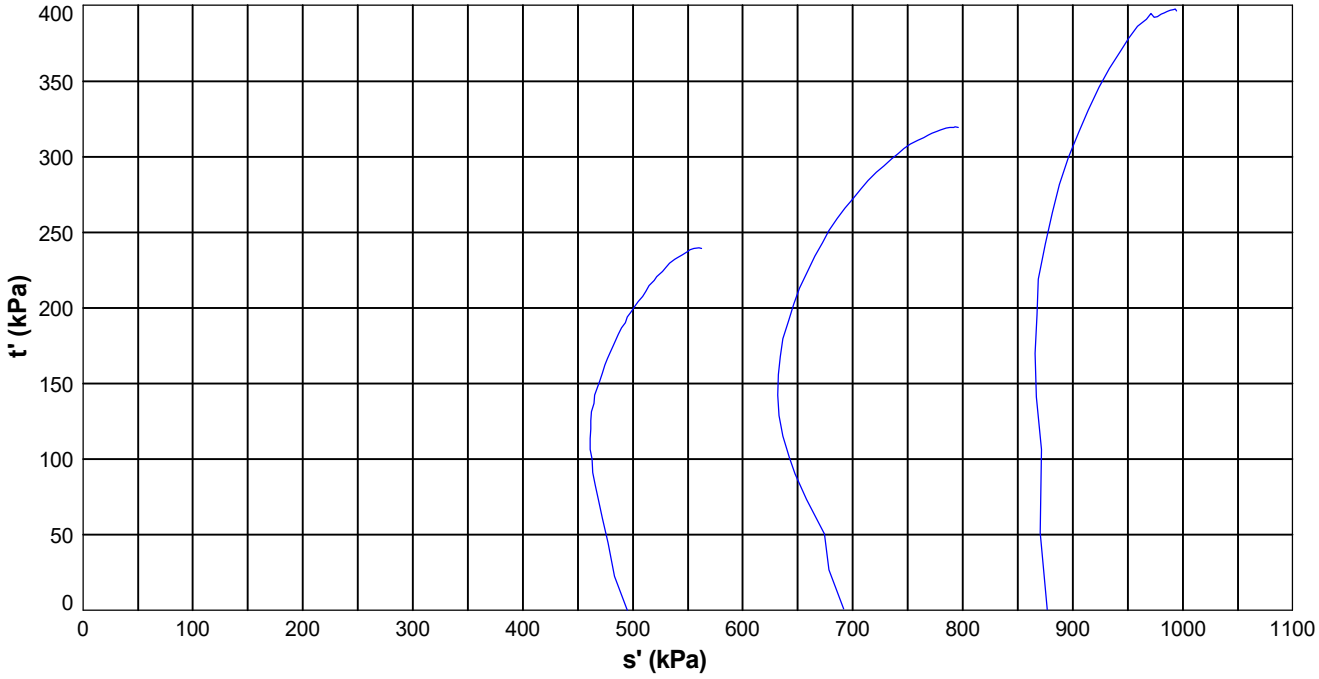
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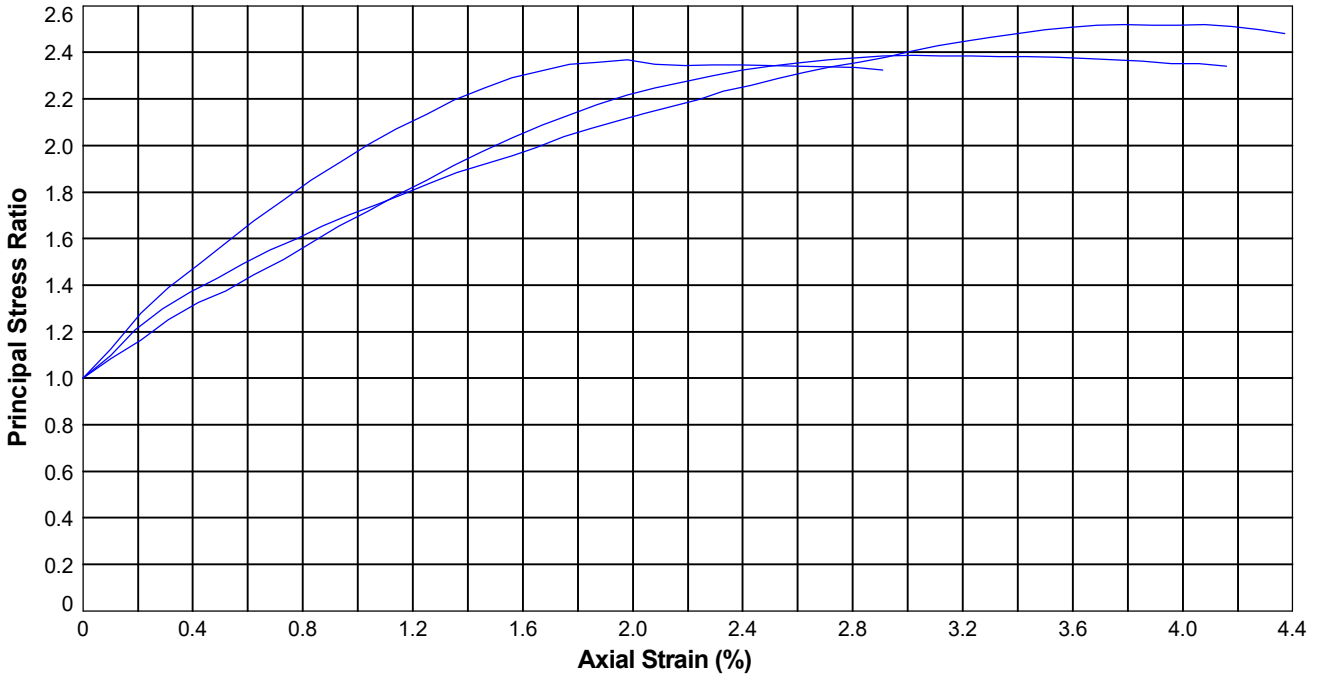
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Borehole : **DCBH2019_3** Sample Ref : **39** Sample Type : **C** Depth (m) : **61.39**

SHEAR STAGE



SHEAR STAGE



Key: Base:

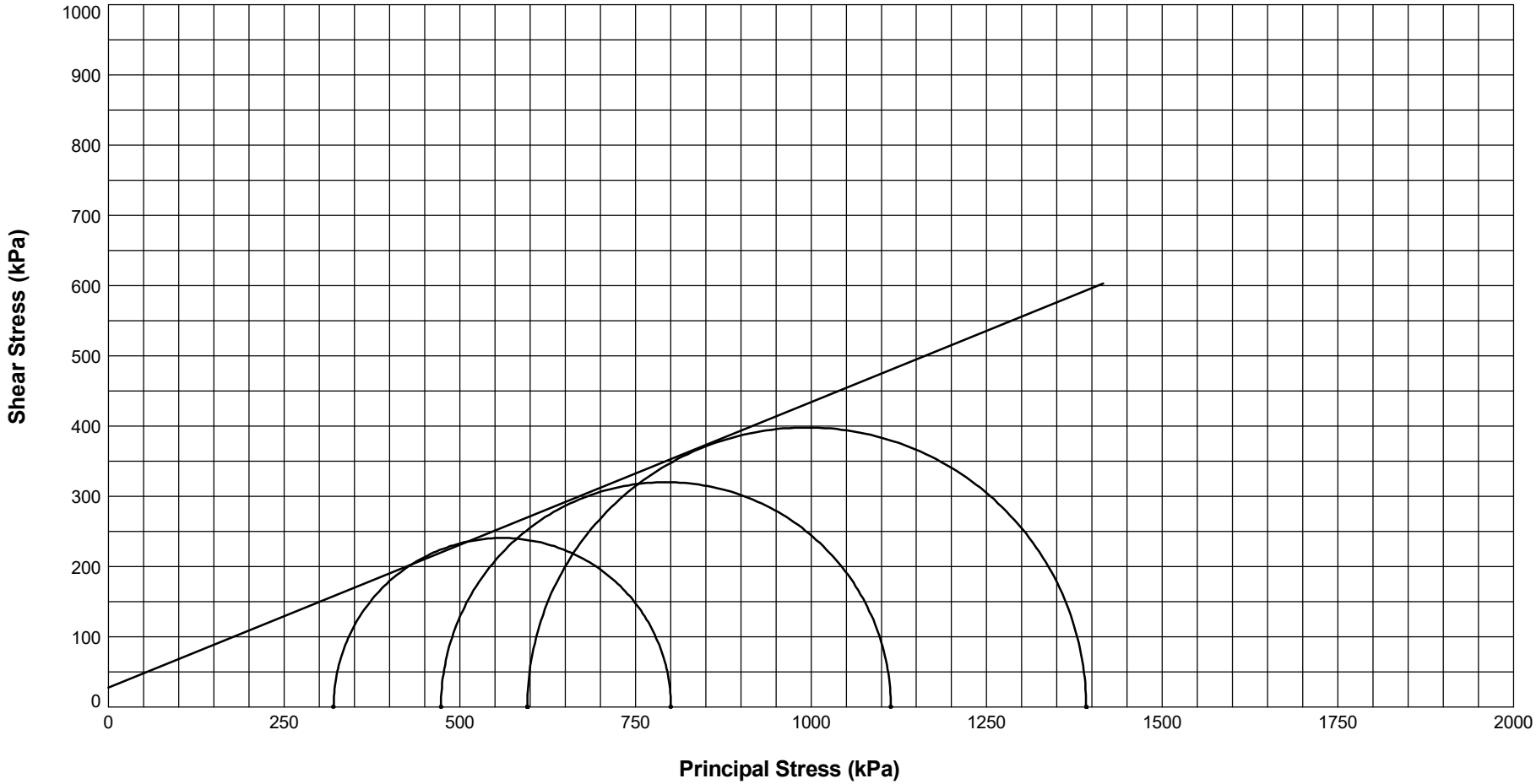
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		FRANCESCA BENNETT	**12/05/20**
	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - EFFECTIVE STRESS 17892 - P5.1 - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 12/05/20 - 08:49 | AF3 |

CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_3** Sample Ref : **39** Sample Type : **C** Depth (m) : **61.39**



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date
[redacted]	FRANCESCA BENNETT	12.05.20
Contra[redacted]		

Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - EFFECTIVE STRESS 17892 MOHR - A4L | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 12/05/20 - 08:36 | AF3 |

IAN FARMER ASSOCIATES

Unit 4, Faraday Close, Pattinson North Industrial Estate, Washington, NE38 8QJ. Tel: 0191 482 8500 Fax: 0191 482 8520
washington@ianfarmer.co.uk www.ianfarmer.co.uk

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Constructionline
Part of Capita plc

Ian Farmer Associates (1998) Limited. Registered in England and Wales, No. 3661447.
Registered Office: Spring Lodge 172 Chester Road, Helsby, Frodsham, England, WA6 0AR.
Offices in: Cornwall (01872) 261775. Coventry (024) 7630 3422. Harpenden (01582) 460018. Llanelli (01554) 566566.
Newcastle upon Tyne (0191) 482 8500. Motherwell (01698) 230231. Warrington (01925) 855440. Washington (0191) 482 8500.

AGS

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

Borehole / Trial Pit	Depth (m)	Sample	Description
D□ □ □ □□□□□□□	□□□□□□	□ □□□	□r□□□□□□□d □□□□□□□□□□□□ □A□

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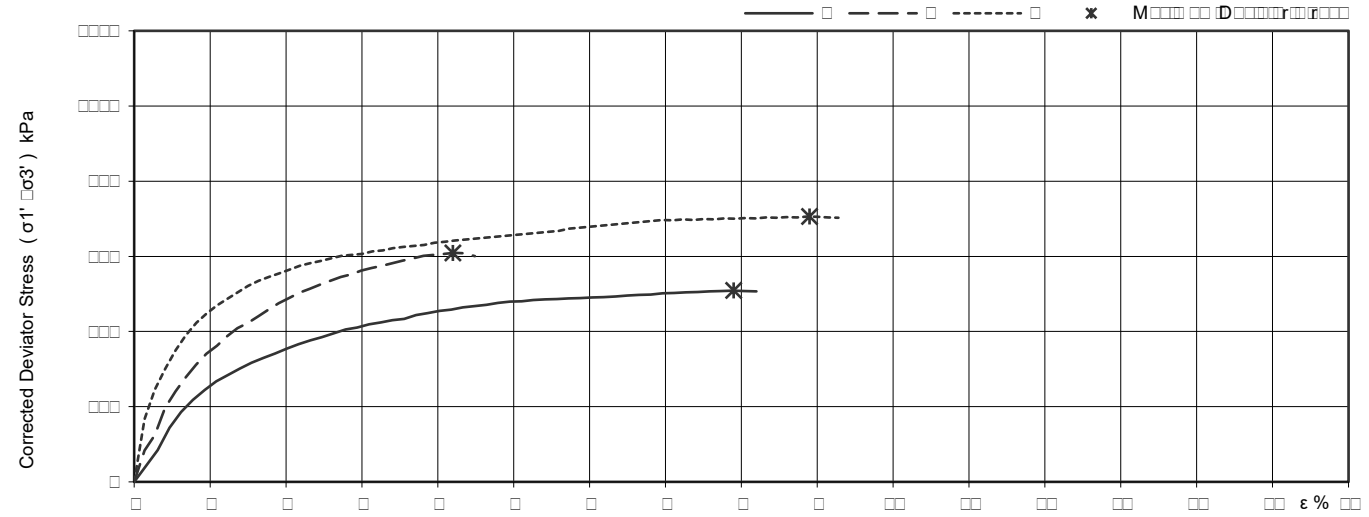
IAN FARMER ASSOCIATES	Laboratory Test Report	□□□□□□□□□ □

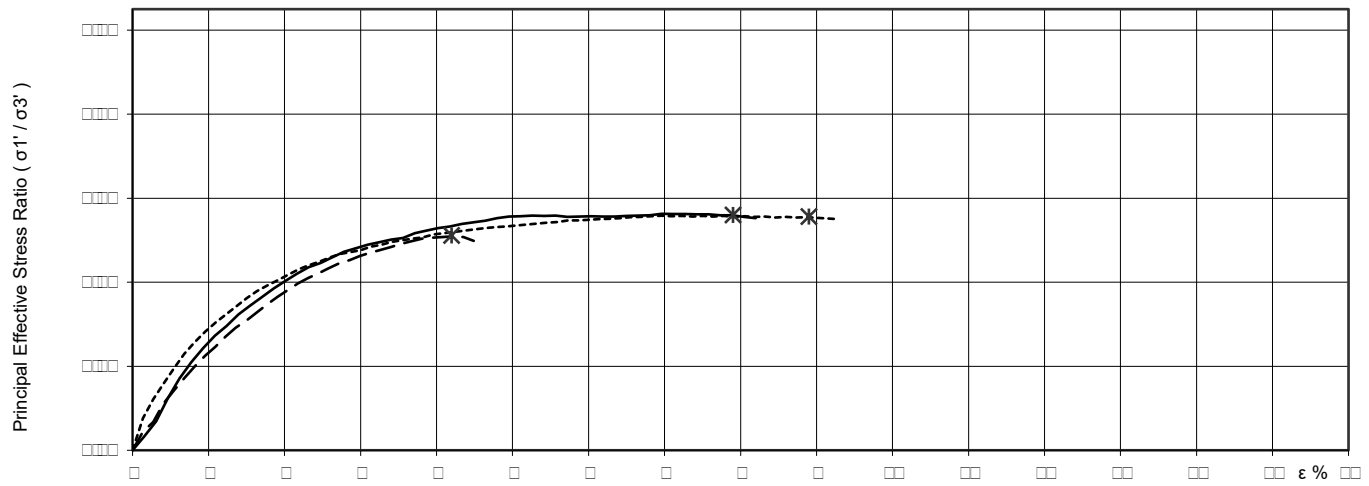
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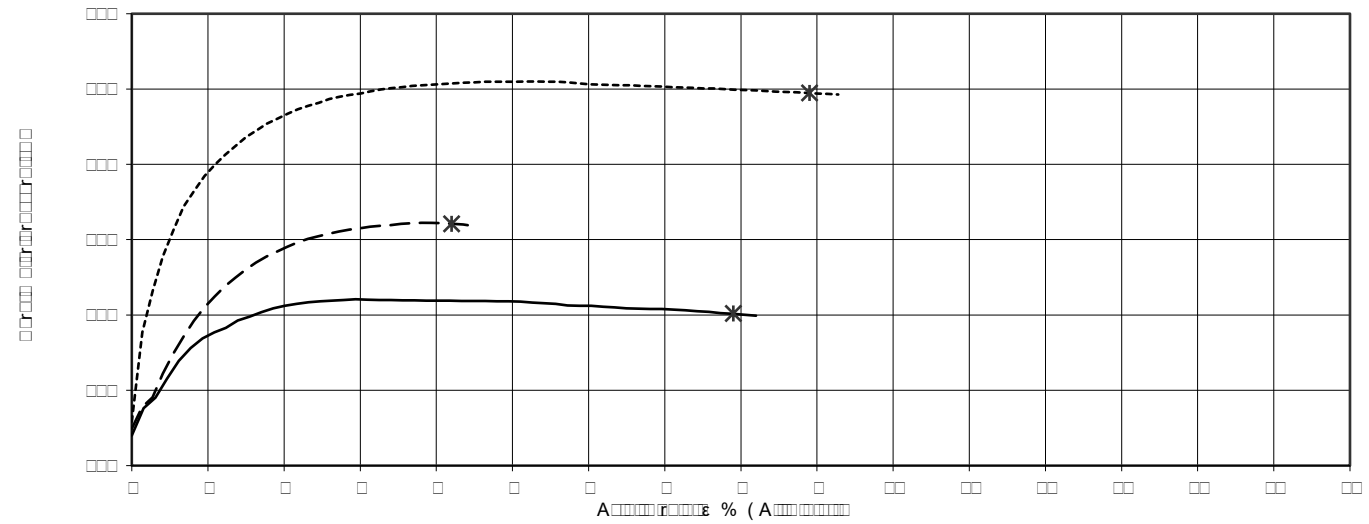
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Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

Borehole / Trial Pit	Depth (m)	Sample	Description
D□ □ □ □□□□□□	□□□□□	□ □□	□r□□□□□d□□□□□□□□□ □A□







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Laboratory Test Report

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Page: 4

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

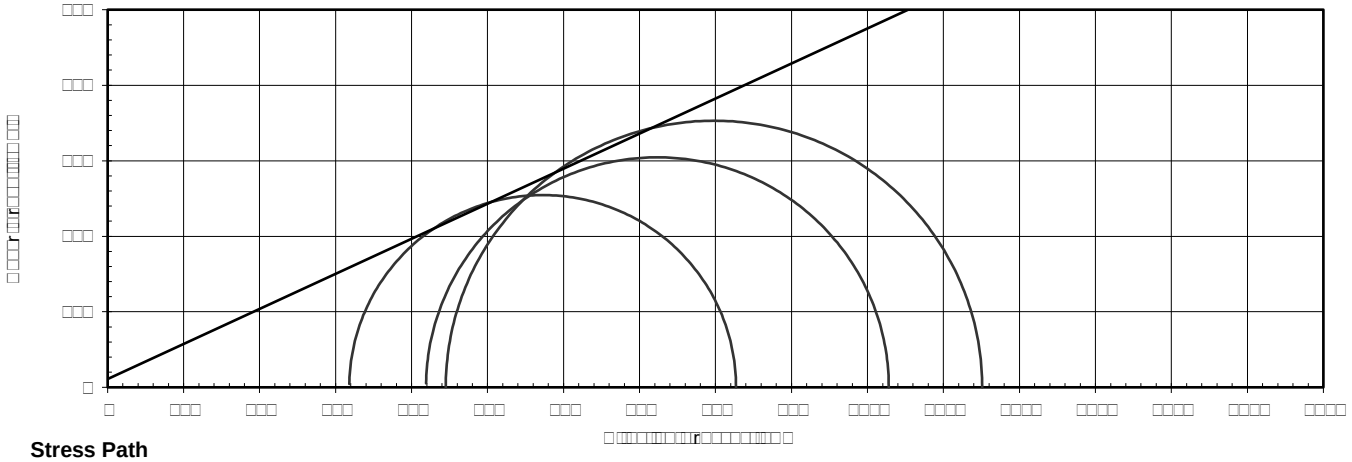
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Mohr Circles

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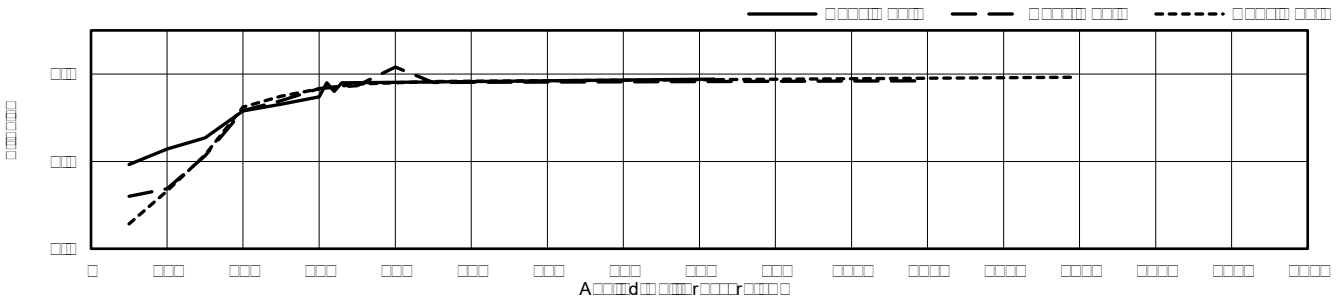

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Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

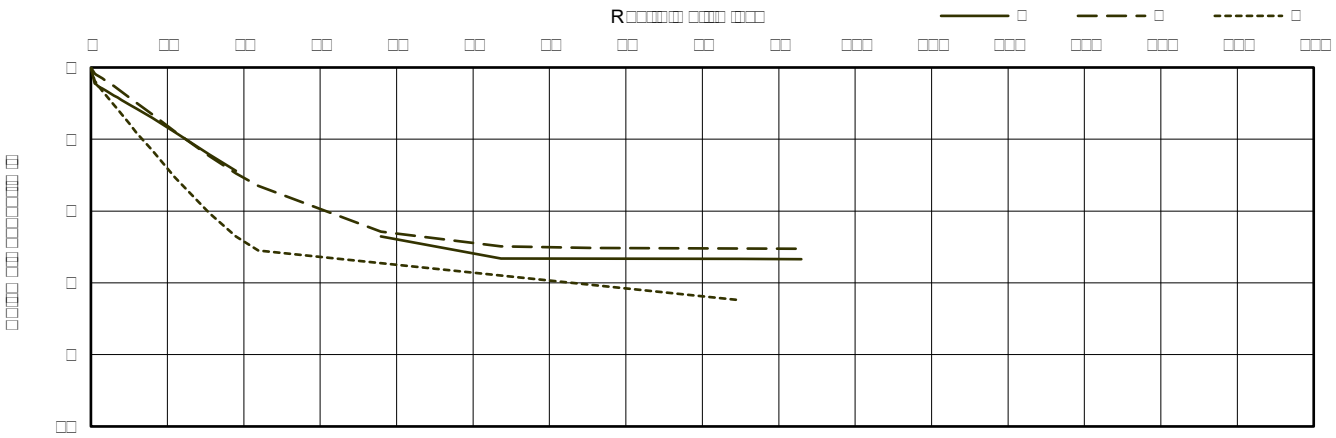
Borehole / Trial Pit	Depth (m)	Sample	Description

Specimen Details				

Saturation Details			



Consolidation Details					



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Laboratory Test Report

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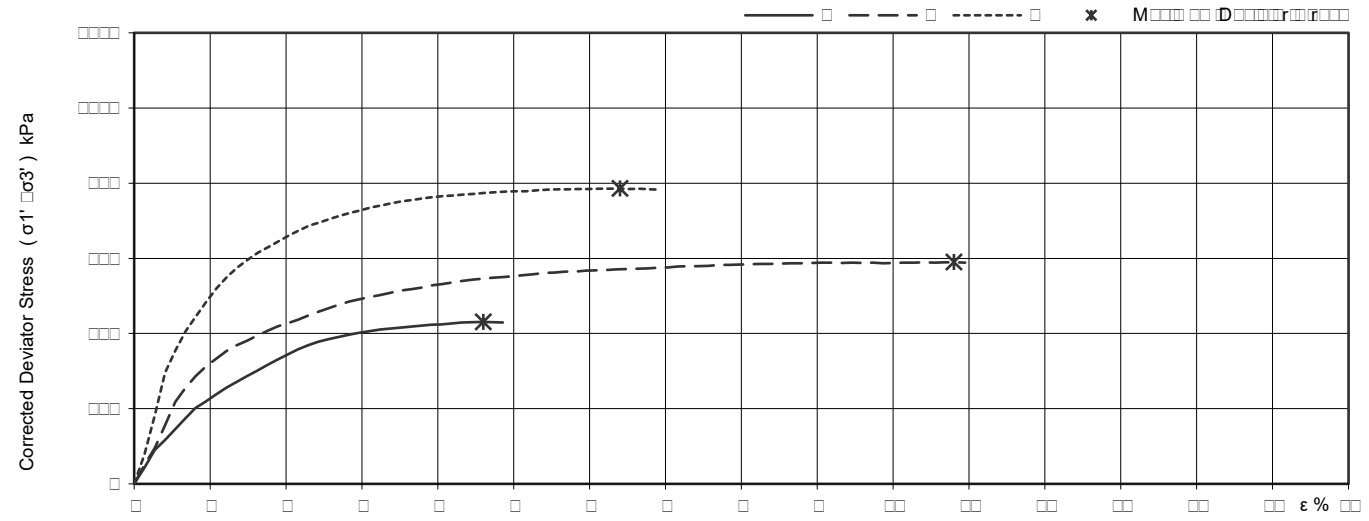
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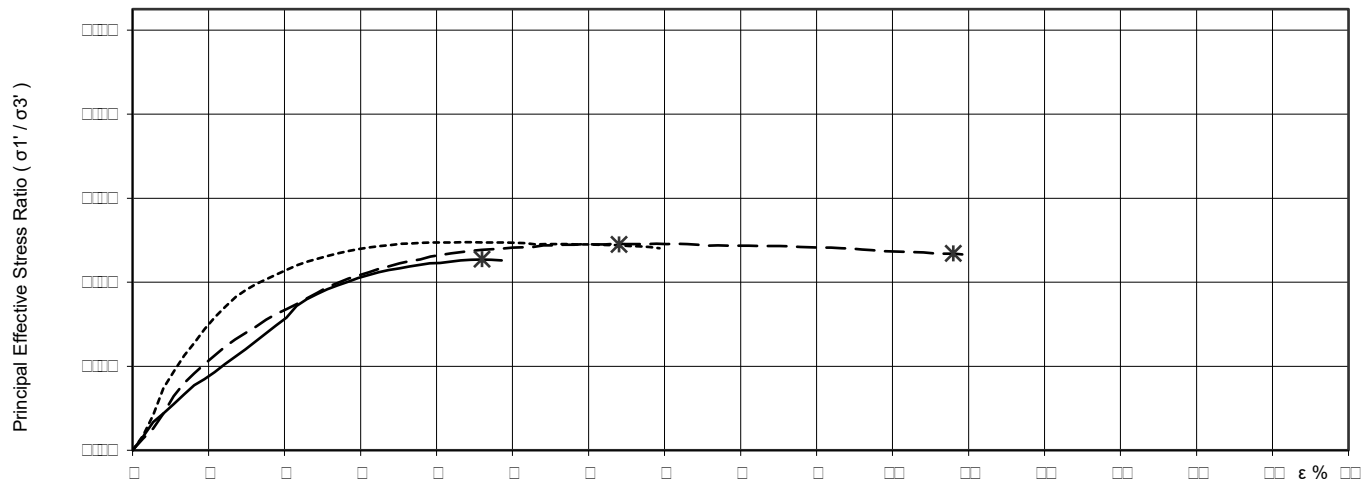
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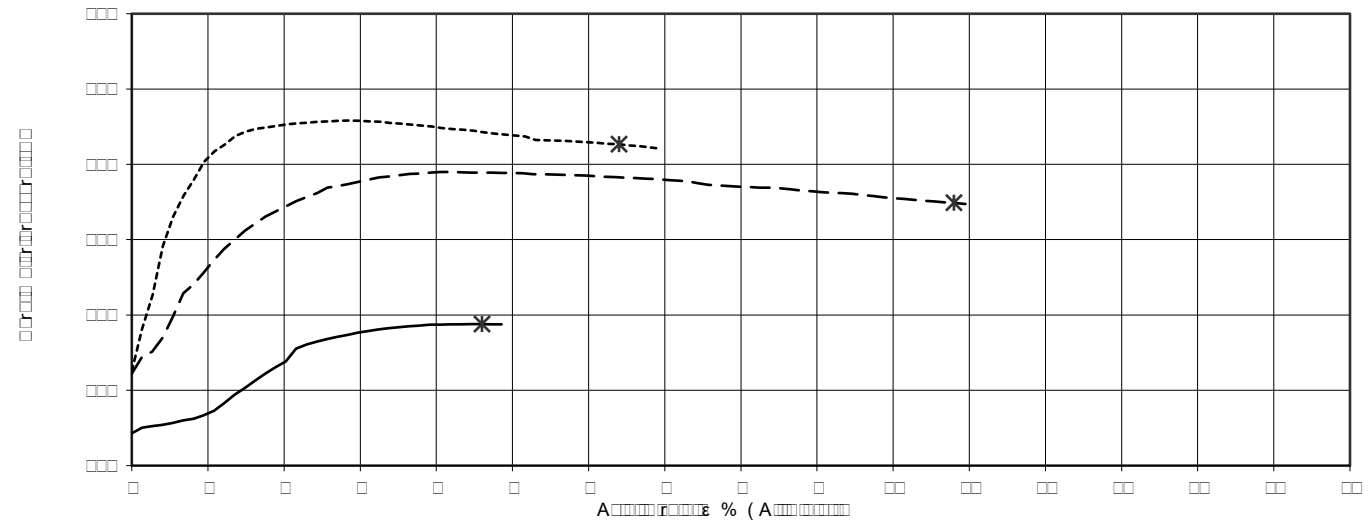
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Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

Borehole / Trial Pit	Depth (m)	Sample	Description







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Laboratory Test Report

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Page: 7

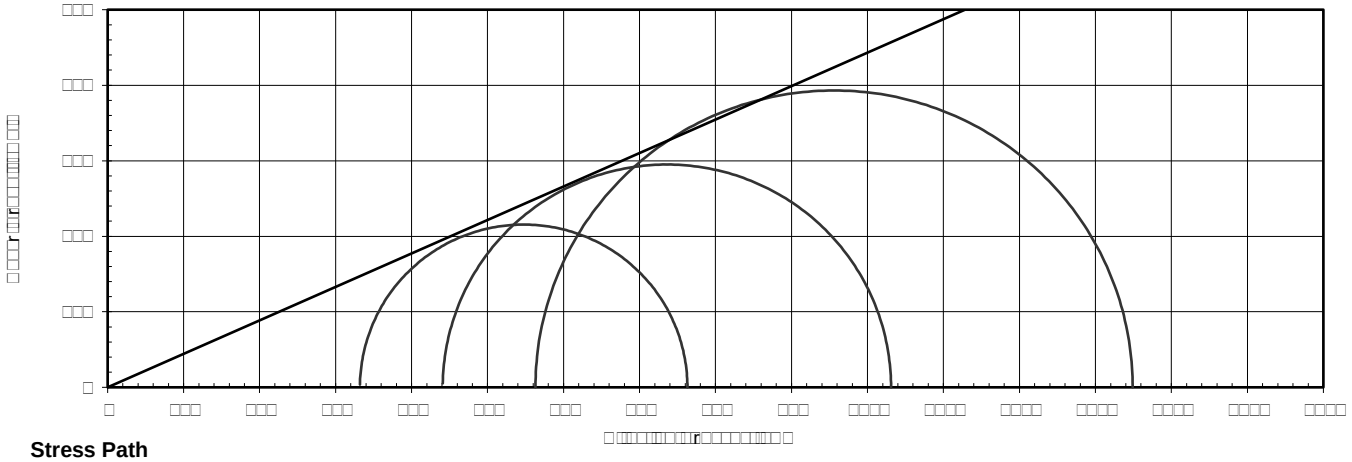
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

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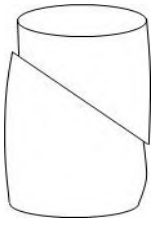
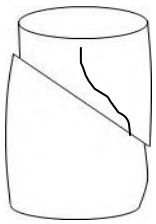
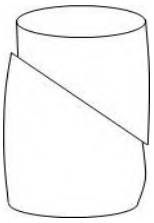
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Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

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[redacted]	*%*	[redacted]	[redacted]	[redacted]
[redacted]	*Mg/m³*	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]		
SATURATION STAGE		[redacted]	[redacted]	[redacted]
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SHEARING STAGE				
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Membrane & filter correction applied to Deviator Stress	*kPa*	[redacted]	[redacted]	[redacted]
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[redacted]	*degrees*	[redacted]		
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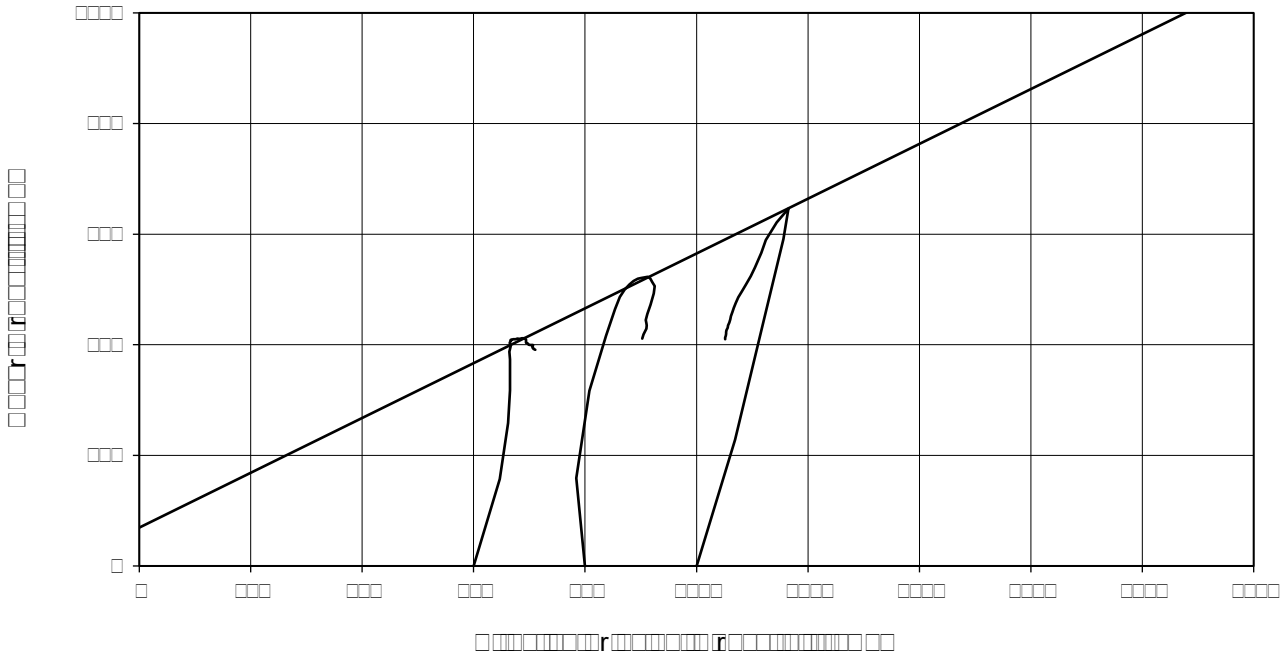
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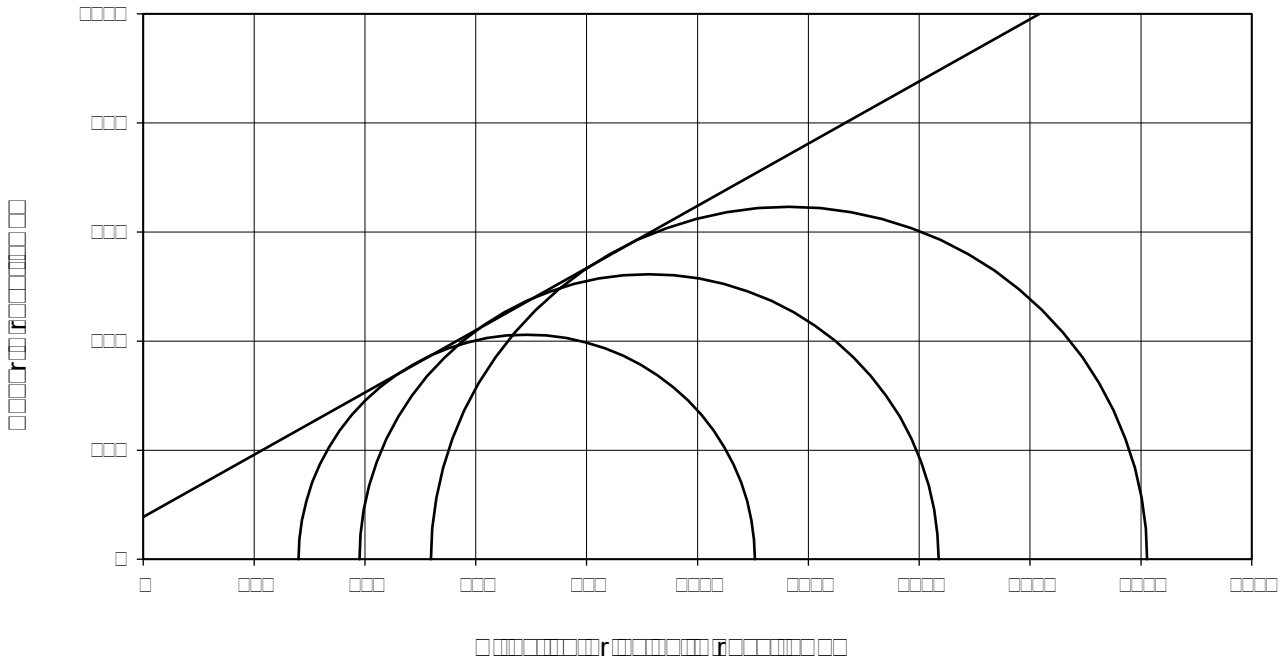
GEOLABS

UKAS TESTING 1982

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Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure





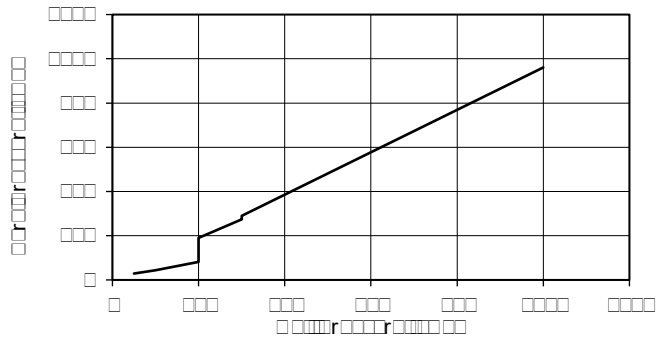
GEO / 30691

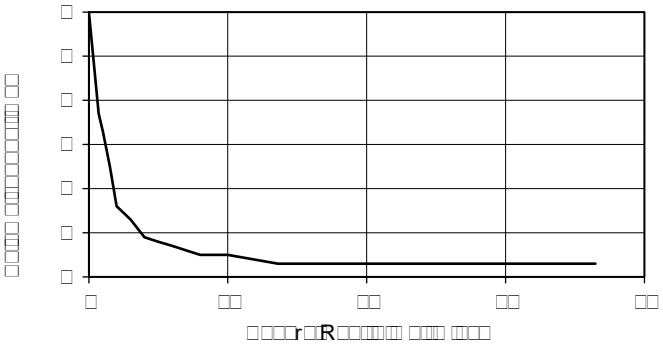
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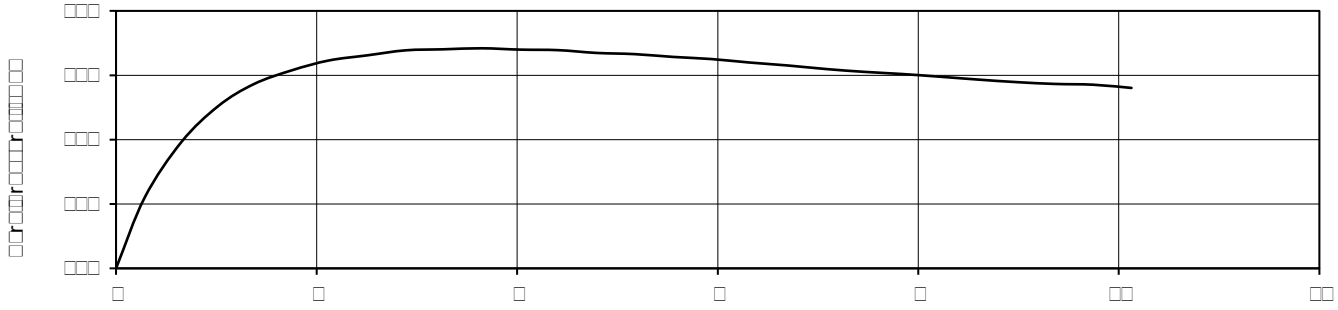
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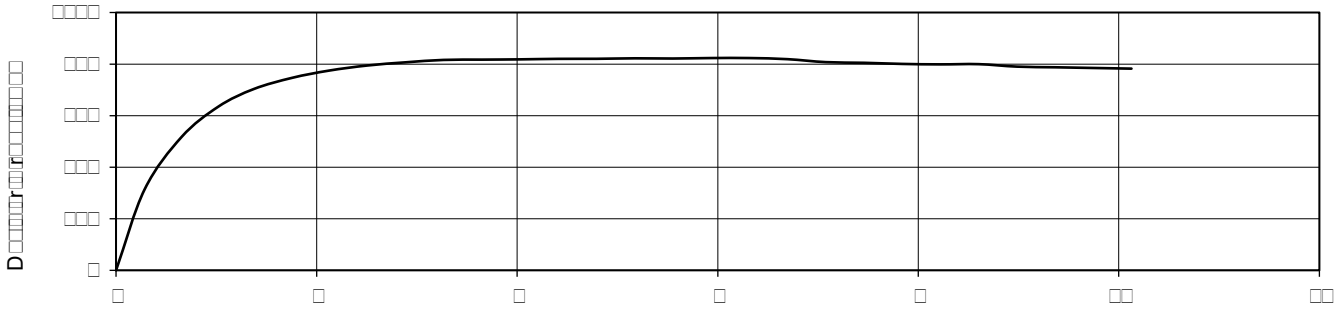
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

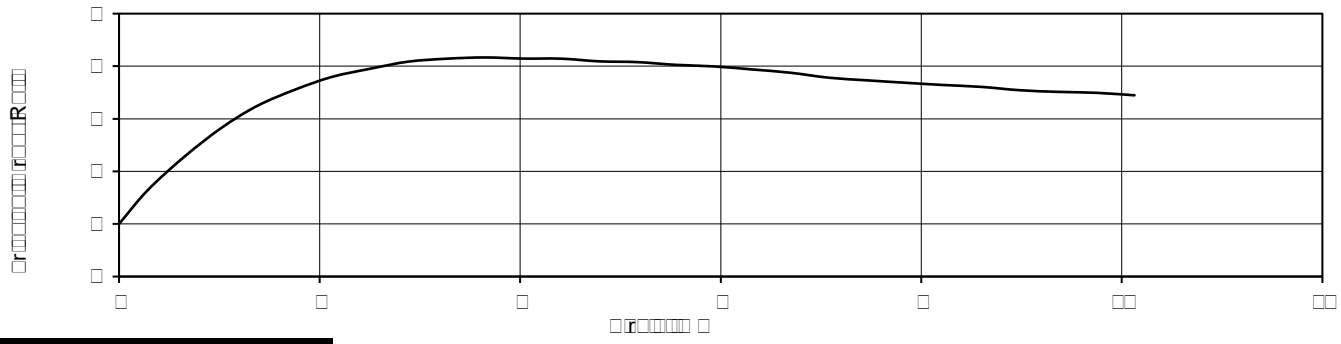
Specimen 1











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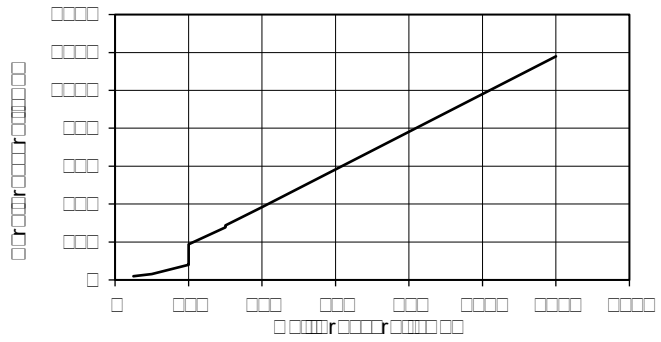
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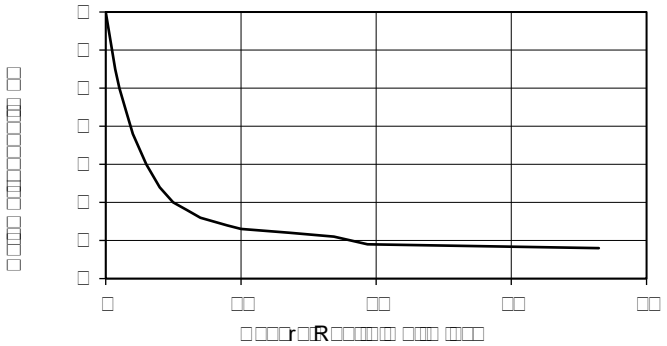
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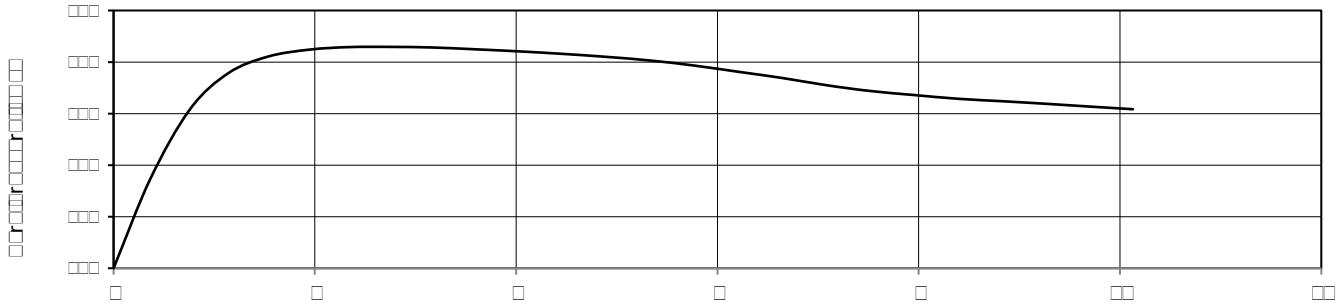
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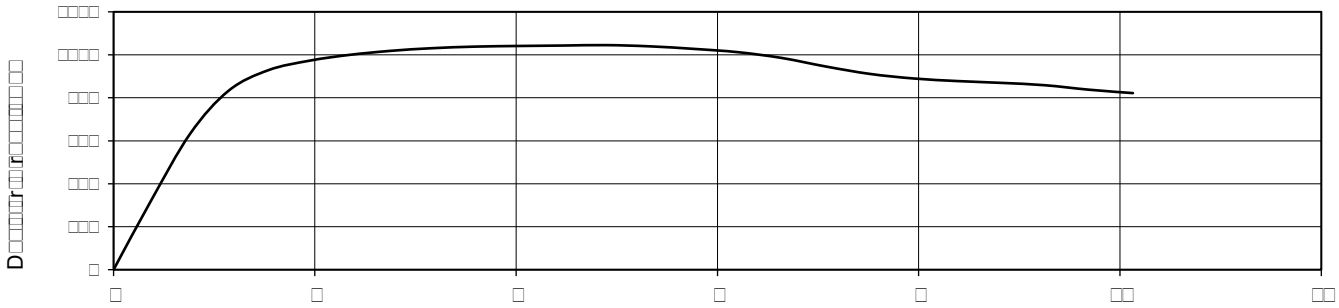
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

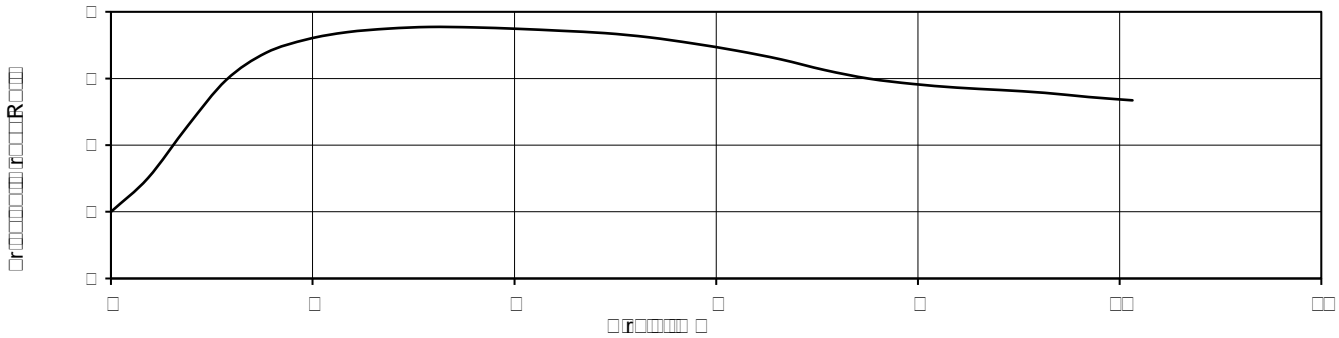
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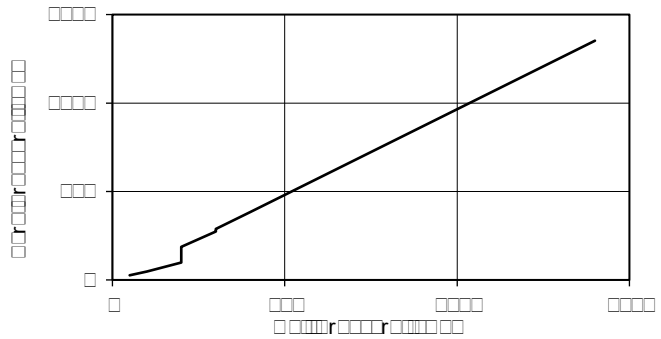
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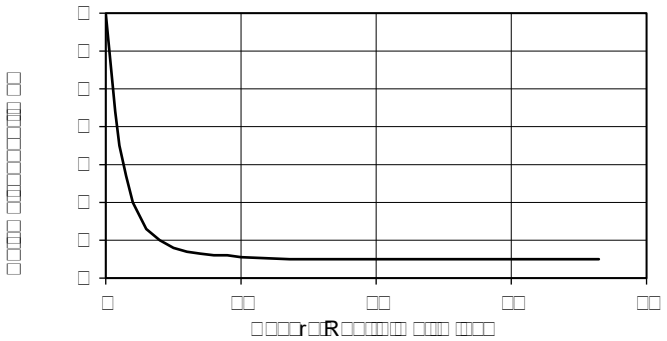
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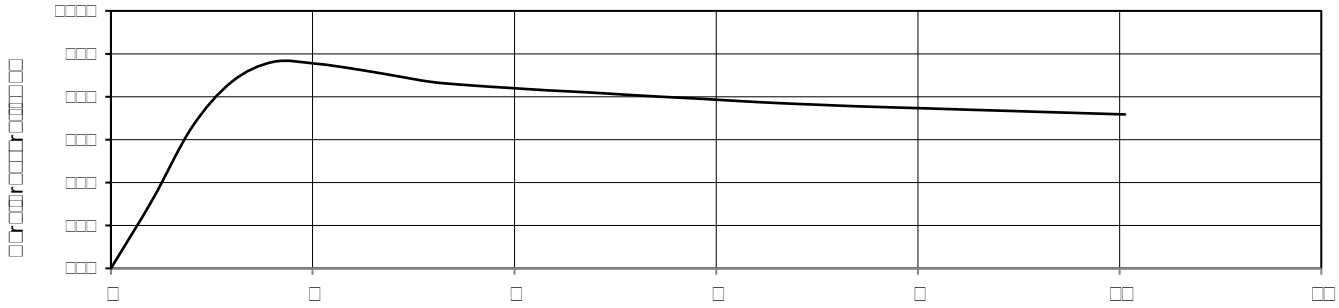
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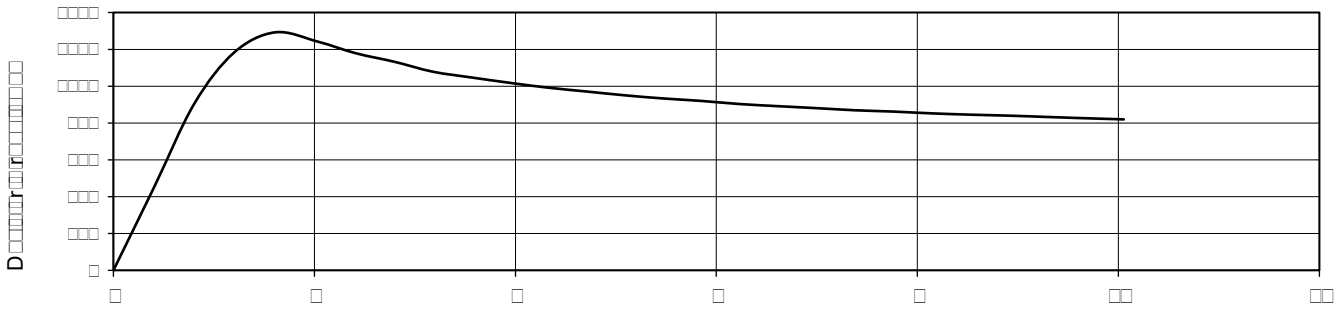
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

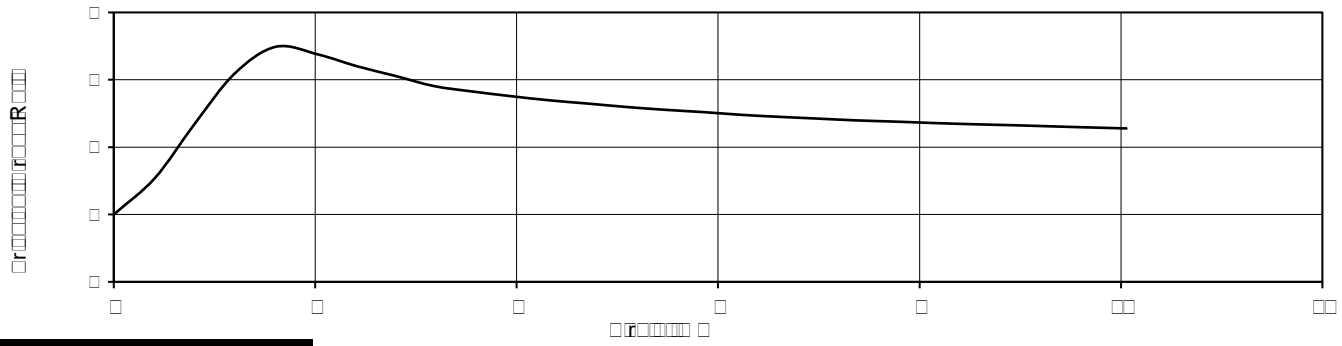
Specimen 3











GEO / 30691

SIZEWELL C GI PHASE 2 TO1

734318

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_4** Sample Ref : **8** Sample Type : **C** Depth (m) : **60.70**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brownish grey silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.93**	**38.05**	**38.06**
Initial Height (mm)	**75.81**	**75.85**	**75.80**
Initial Mass (g)	**166.34**	**166.29**	**165.90**
Initial Moisture Content (%)	**24**	**24**	**24**
Initial Bulk Density (Mg/m^3)	**1.94**	**1.93**	**1.92**
Initial Dry Density (Mg/m^3)	**1.56**	**1.55**	**1.55**
Initial B-Value	**0.36**	**0.75**	**0.49**
Final Moisture Content (%)	**23**	**25**	**25**
Final Bulk Density (Mg/m^3)	**1.96**	**1.99**	**1.98**
Final Dry Density (Mg/m^3)	**1.60**	**1.59**	**1.59**
SATURATION			
Duration (days)	**5**	**6**	**6**
Final B-Value	**0.96**	**0.97**	**0.95**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**840**	**1040**	**1240**
Back Pressure (kPa)	**340**	**340**	**340**
Initial Volume (cm^3)	**85.634**	**86.226**	**86.234**
Final Volume (cm^3)	**83.883**	**84.095**	**84.271**
Change in Volume (cm^3)	**1.751**	**2.131**	**1.963**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**840**	**1040**	**1240**
Initial Porewater Pressure (kPa)	**339.7**	**338.4**	**339.2**
Strain Rate (mm/min)	**0.01141**	**0.01045**	**0.01045**
Axial Strain at Failure (%)	**7.28**	**9.33**	**16.73**
Time to Failure (h)	**8.0**	**11.2**	**20.1**
Deviator Stress at Failure (kPa)	**1407.6**	**1767.0**	**2885.8**
Porewater Pressure at Failure (kPa)	**300.1**	**292.4**	**109.3**
Effective Major Principal Stress (kPa)	**1946.1**	**2514.7**	**4015.4**
Effective Minor Principal Stress (kPa)	**538.5**	**747.7**	**1129.6**
Effective Principal Stress Ratio	**3.62**	**3.36**	**3.56**
Pore Pressure Coefficient - A_f	**-0.03**	**-0.03**	**-0.08**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **34**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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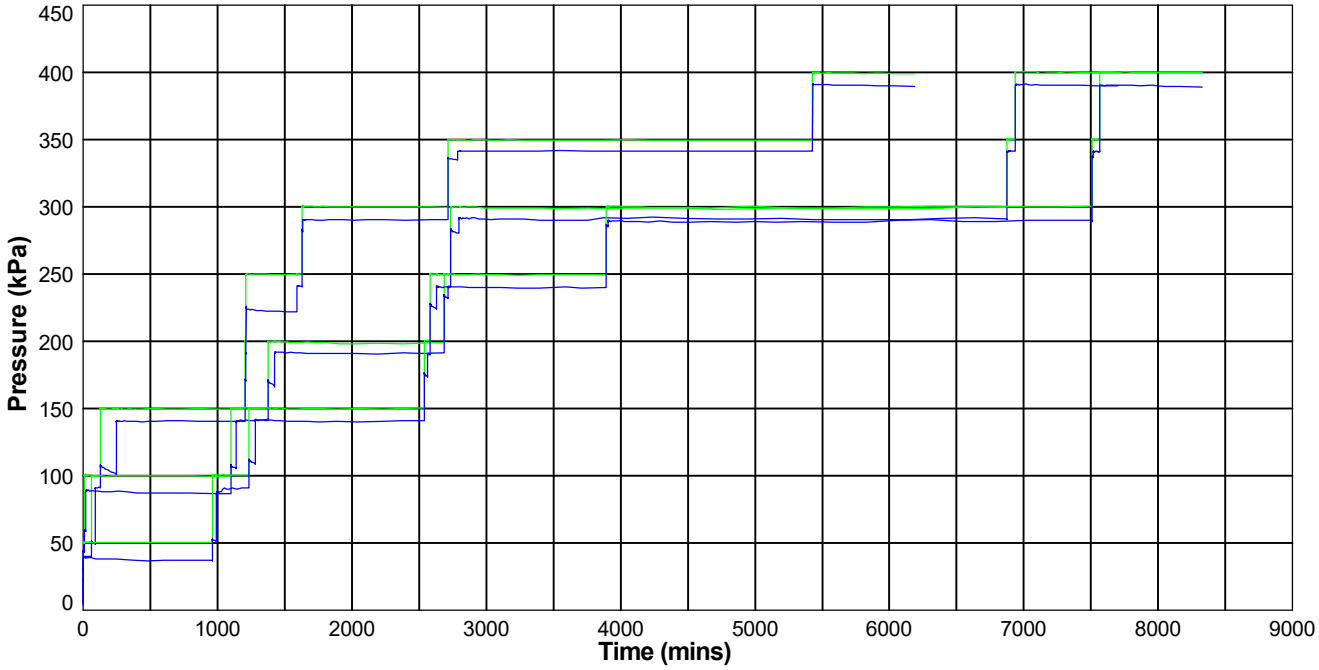
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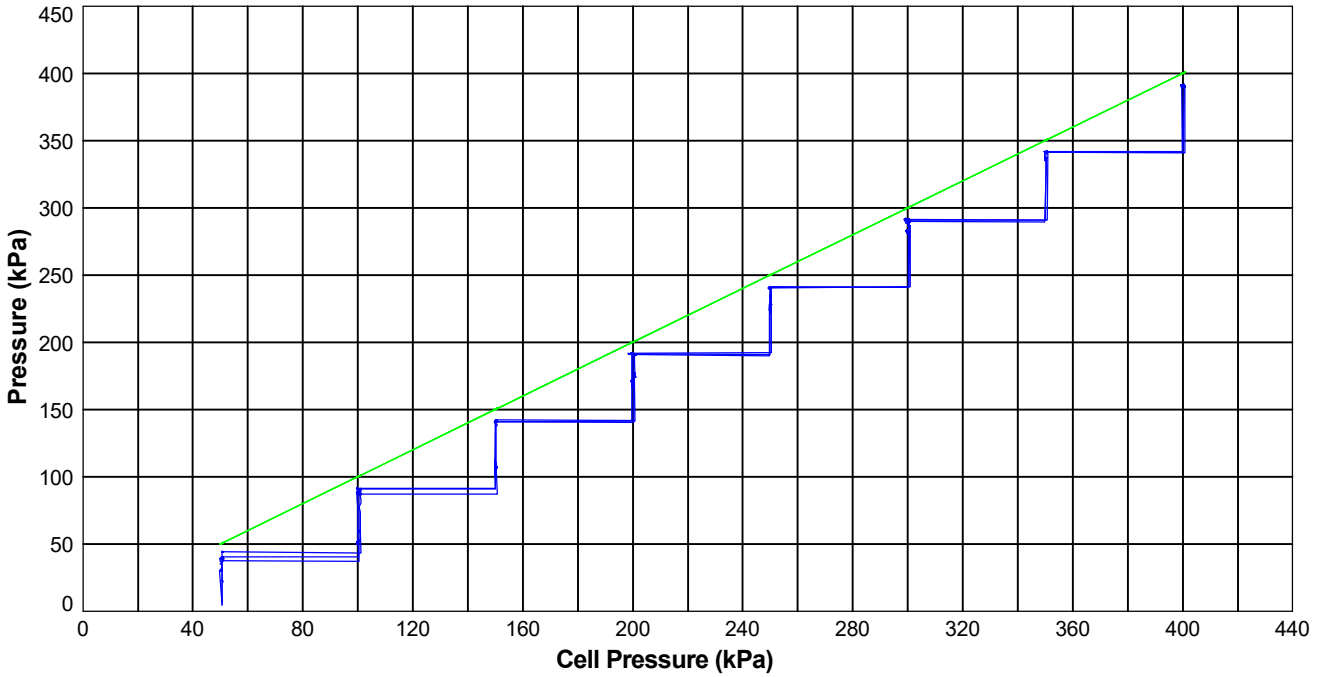
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_4** Sample Ref : **8** Sample Type : **C** Depth (m) : **60.70**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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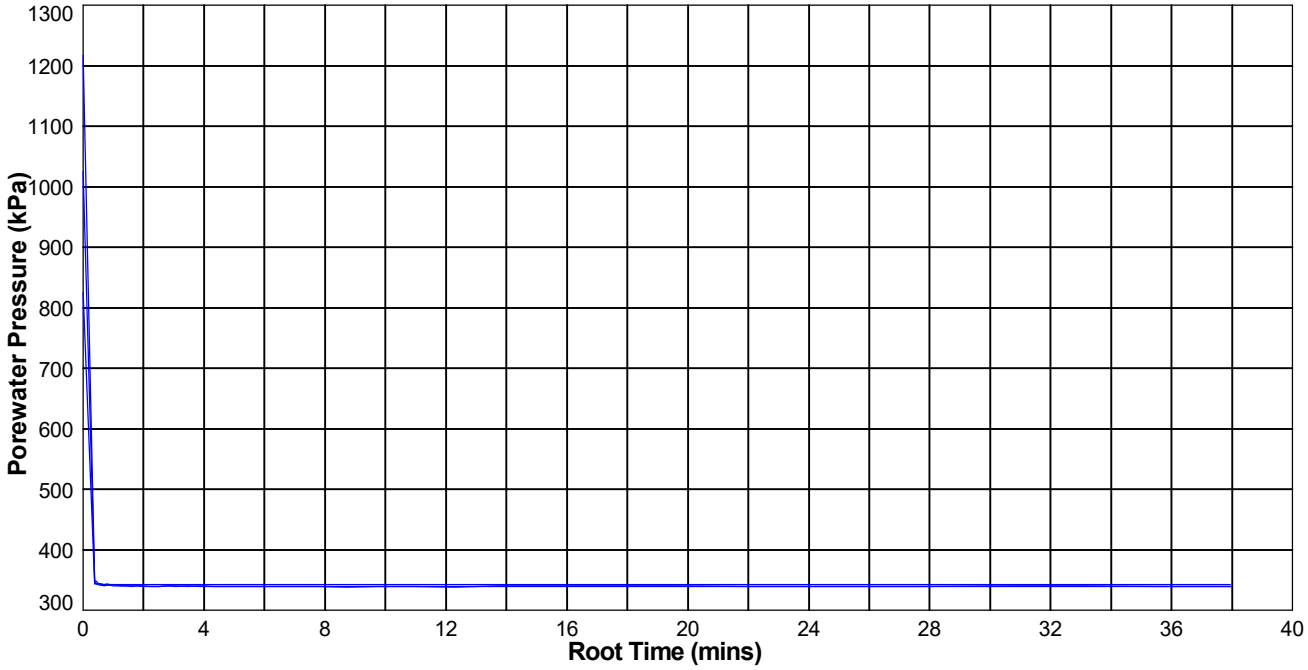
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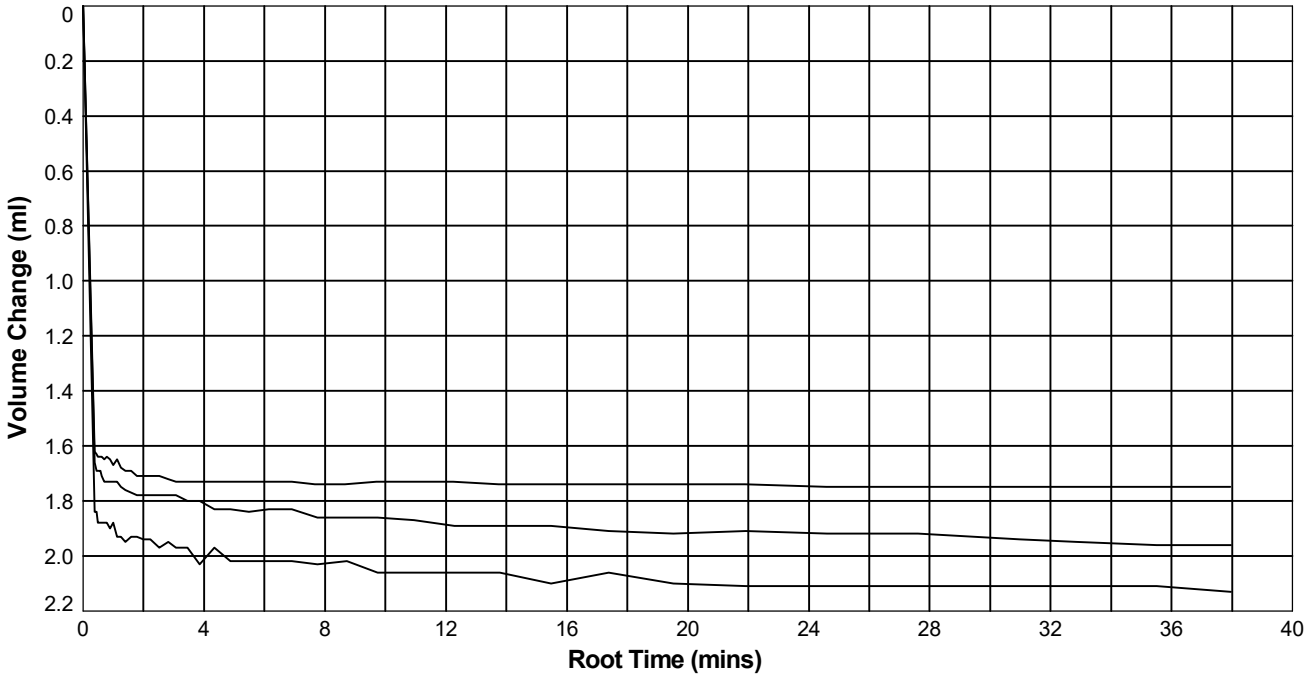
Borehole : **DCBH2019_4** Sample Ref : **8** Sample Type : **C** Depth (m) : **60.70**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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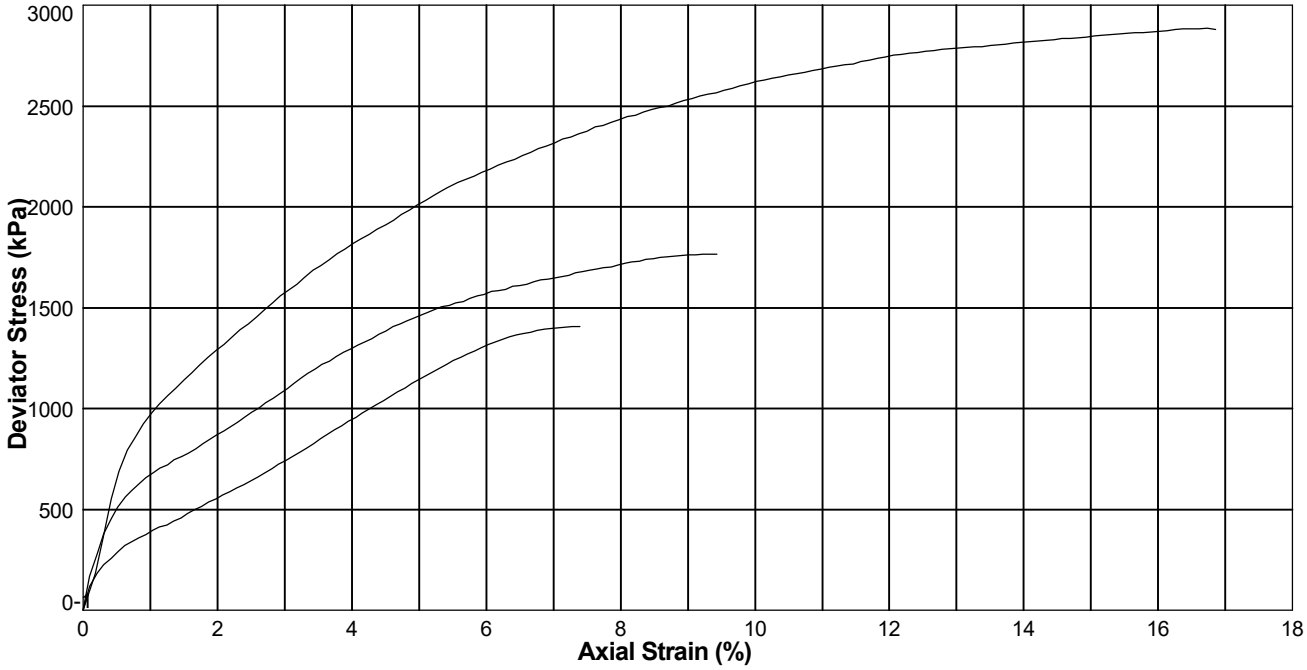
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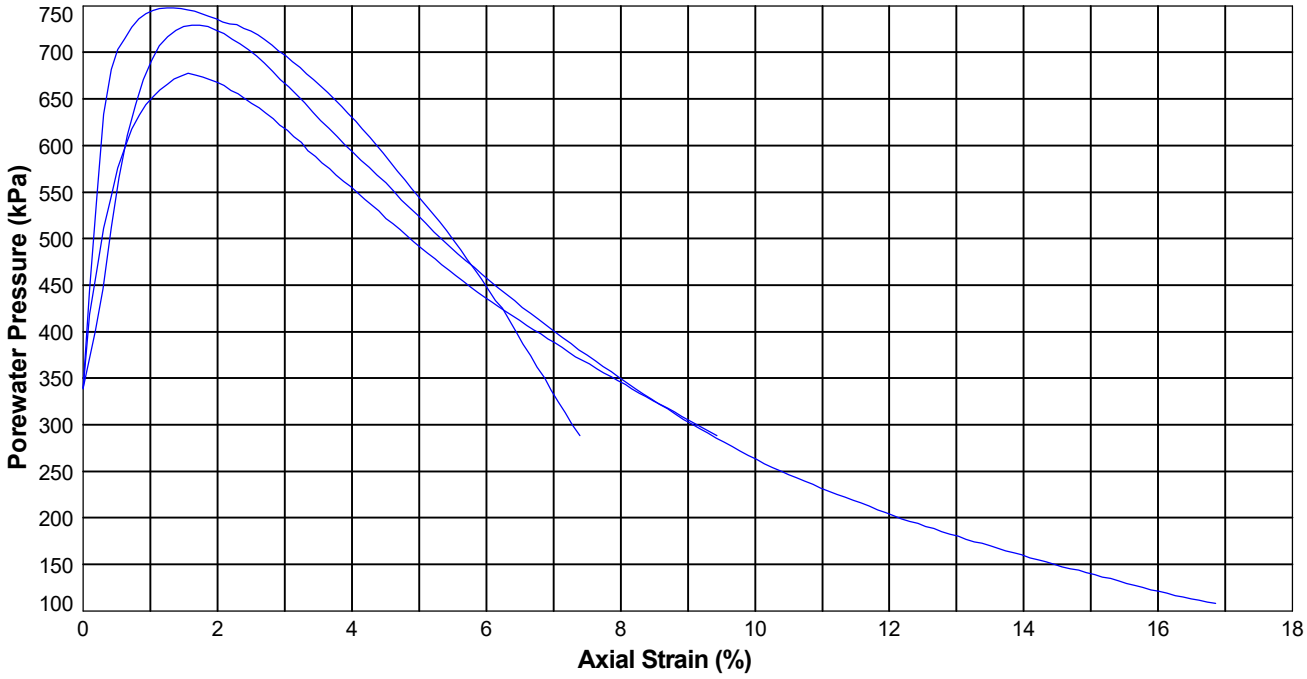
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Borehole : **DCBH2019_4** Sample Ref : **8** Sample Type : **C** Depth (m) : **60.70**

SHEAR STAGE



SHEAR STAGE



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Contract Ref: **734318**

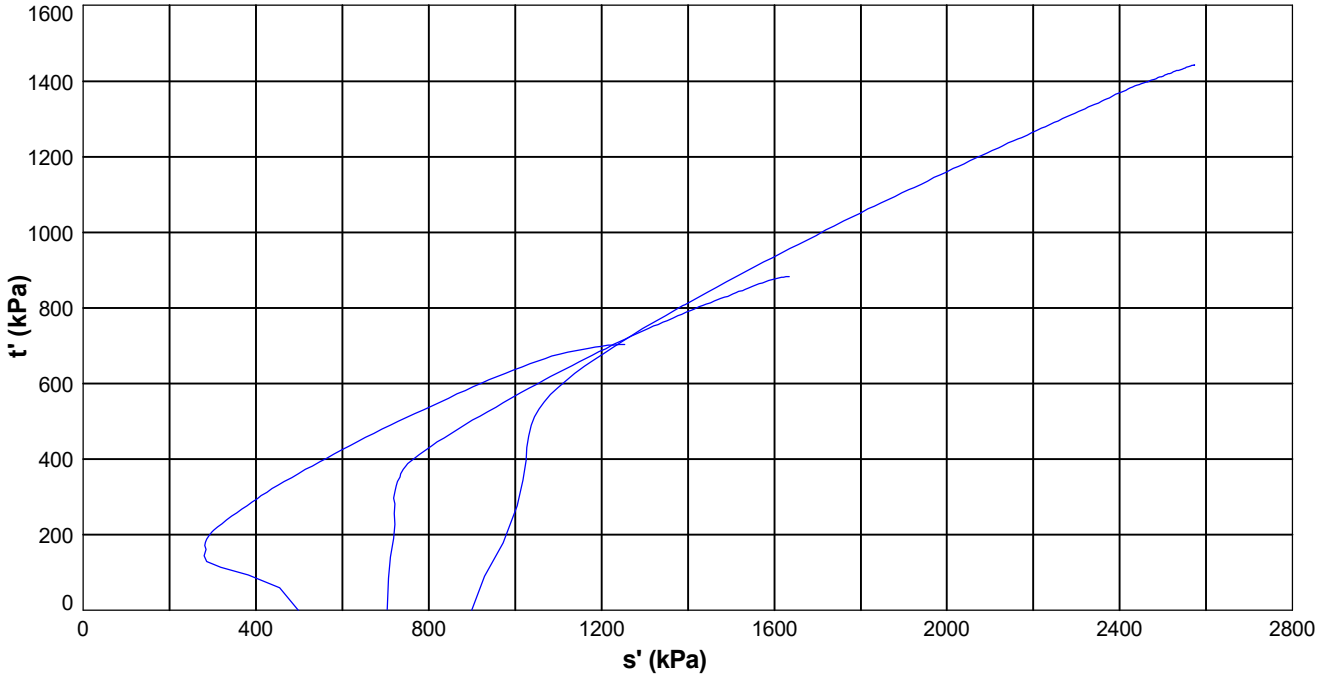
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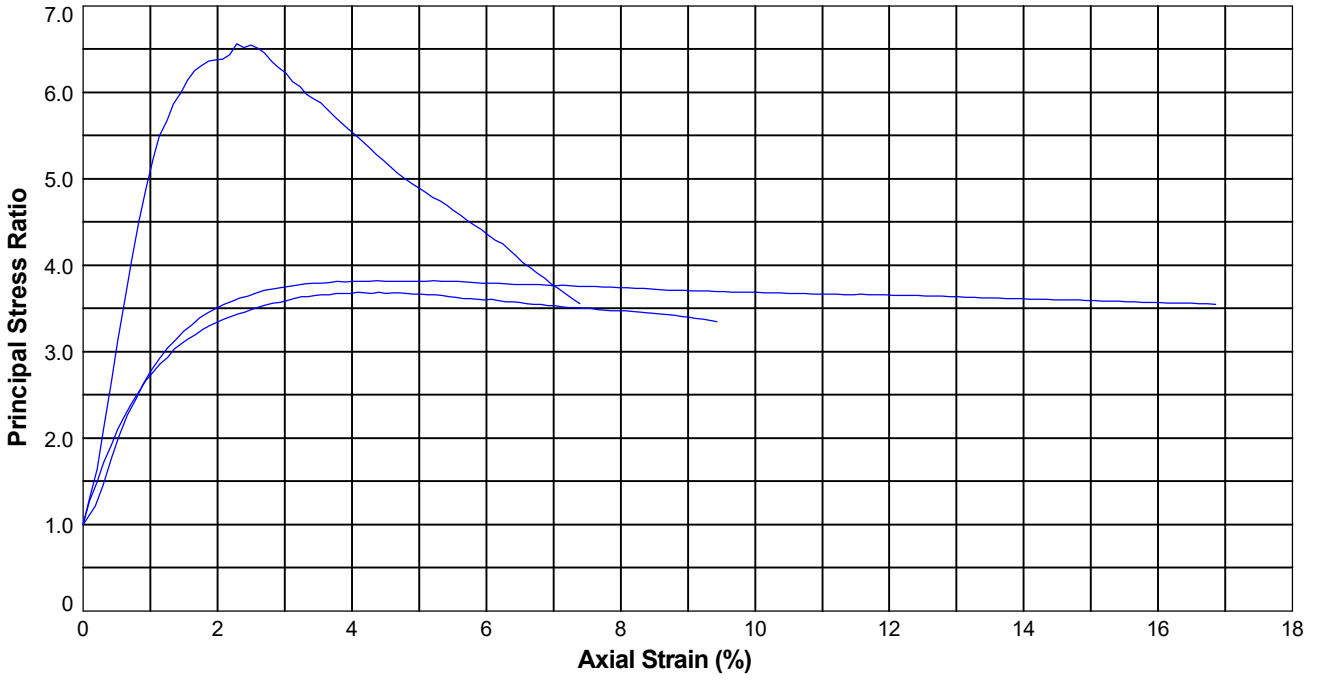
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Borehole : **DCBH2019_4** Sample Ref : **8** Sample Type : **C** Depth (m) : **60.70**

SHEAR STAGE



SHEAR STAGE



Key: Base:

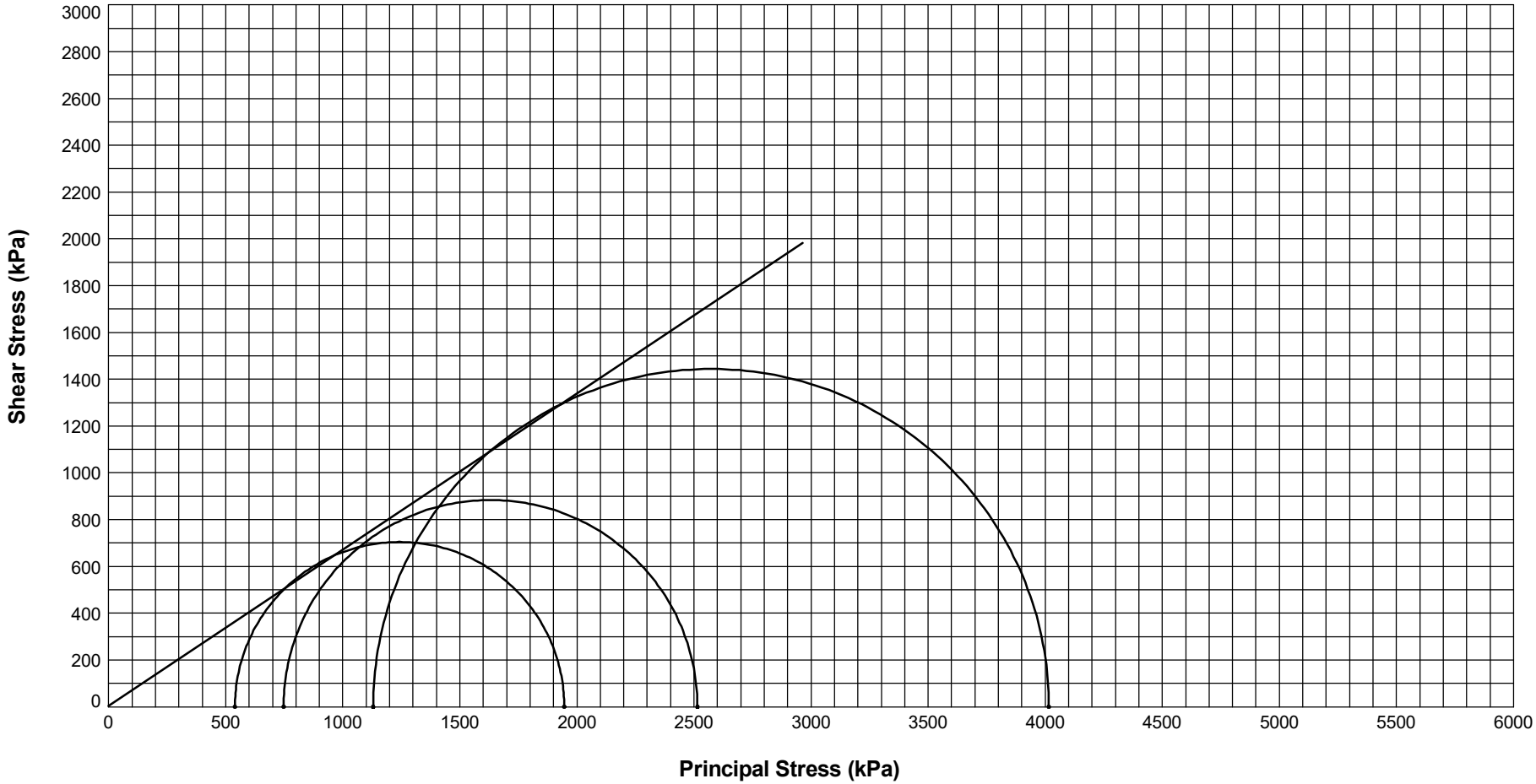
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_4** Sample Ref : **8** Sample Type : **C** Depth (m) : **60.70**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_5** Sample Ref : **5** Sample Type : **C** Depth (m) : **20.50**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Greyish brown slightly gravelly slightly silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.07**	**50.07**	**50.07**
Initial Height (mm)	**100.62**	**199.58**	**100.34**
Initial Mass (g)	**370.05**	**370.19**	**369.03**
Initial Moisture Content (%)	**15**	**16**	**15**
Initial Bulk Density (Mg/m^3)	**1.87**	**1.87**	**1.87**
Initial Dry Density (Mg/m^3)	**1.63**	**1.61**	**1.62**
Initial B-Value	**0.09**	**0.12**	**0.14**
Final Moisture Content (%)	**23**	**22**	**22**
Final Bulk Density (Mg/m^3)	**2.02**	**2.00**	**2.01**
Final Dry Density (Mg/m^3)	**1.65**	**1.64**	**1.65**
SATURATION			
Duration (days)	**7**	**7**	**7**
Final B-Value	**0.98**	**0.99**	**1.00**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**789**	**990**	**1240**
Back Pressure (kPa)	**640**	**641**	**641**
Initial Volume (cm^3)	**198.074**	**197.996**	**197.523**
Final Volume (cm^3)	**195.581**	**194.686**	**193.544**
Change in Volume (cm^3)	**2.493**	**3.310**	**3.979**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**789**	**990**	**1240**
Initial Porewater Pressure (kPa)	**639.5**	**641.8**	**642.4**
Strain Rate (mm/min)	**0.01670**	**0.01389**	**0.01384**
Axial Strain at Failure (%)	**15.31**	**18.01**	**13.84**
Time to Failure (h)	**15.3**	**21.6**	**16.6**
Deviator Stress at Failure (kPa)	**970.0**	**1549.4**	**1860.6**
Porewater Pressure at Failure (kPa)	**406.1**	**395.6**	**537.2**
Effective Major Principal Stress (kPa)	**1352.9**	**2144.2**	**2563.2**
Effective Minor Principal Stress (kPa)	**382.9**	**594.8**	**702.6**
Effective Principal Stress Ratio	**3.53**	**3.61**	**3.65**
Pore Pressure Coefficient - A_f	**-0.24**	**-0.16**	**-0.06**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **34.5**

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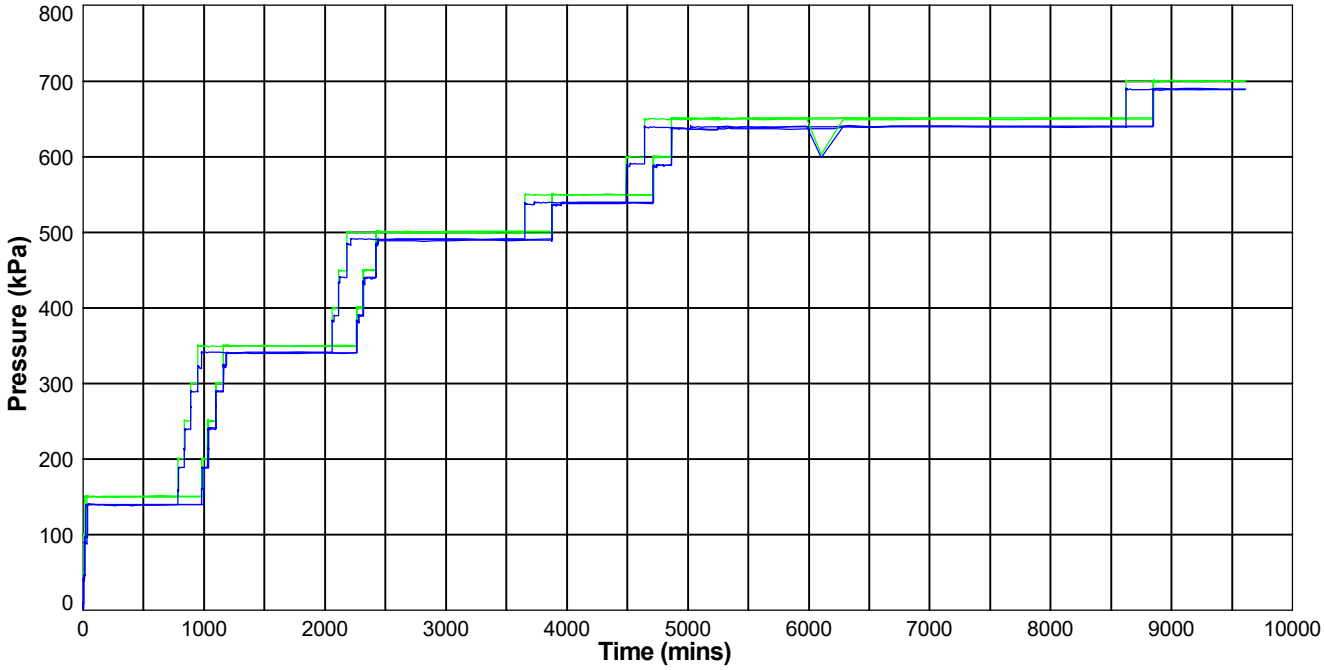
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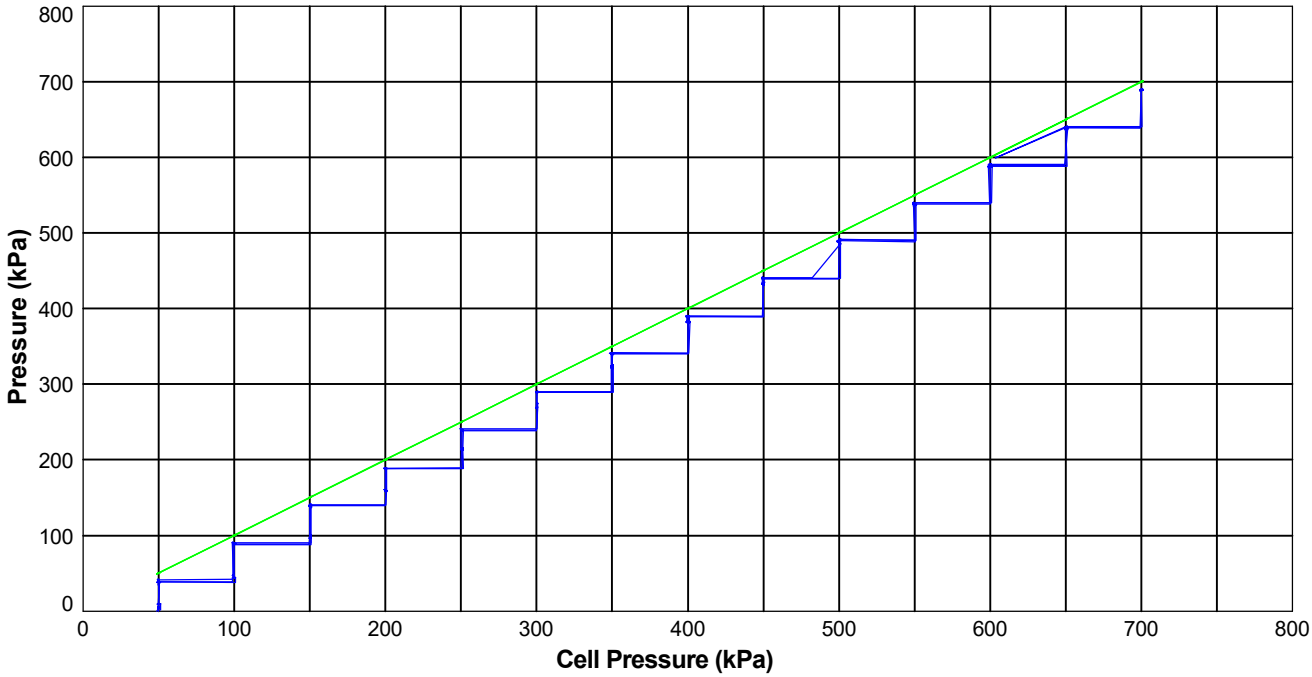
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_5** Sample Ref : **5** Sample Type : **C** Depth (m) : **20.50**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Sizewell C Onshore GI Phase 2 2019

Contract Ref:

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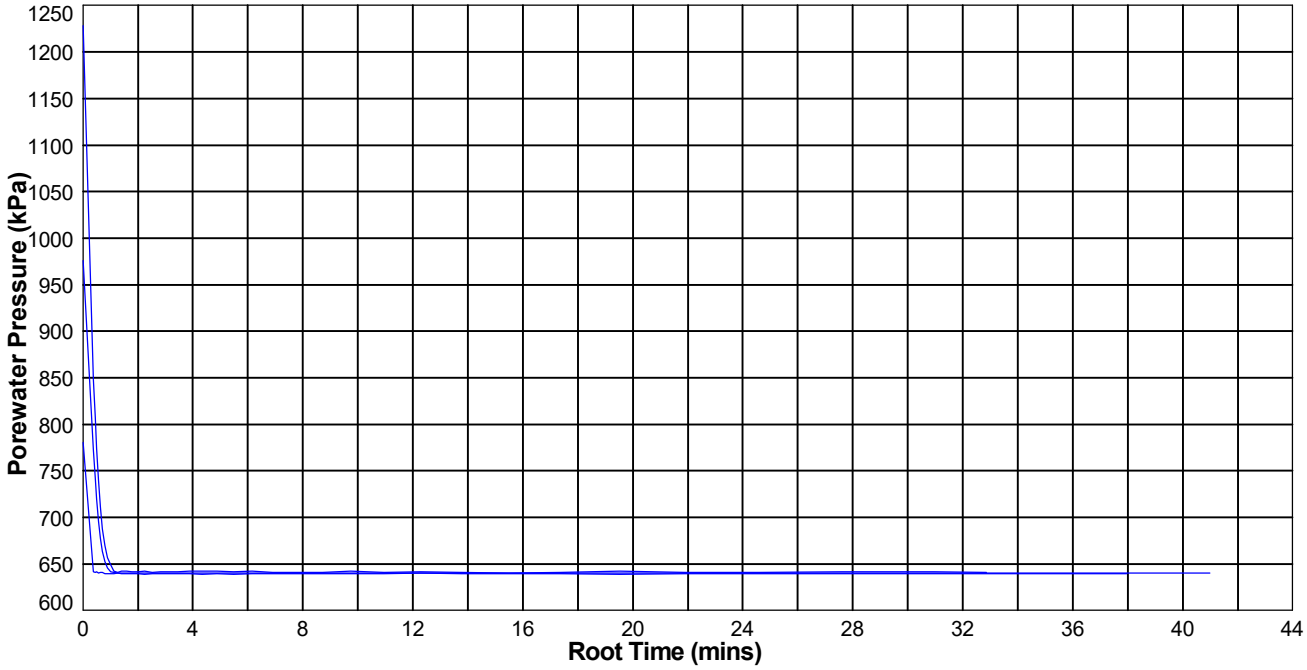
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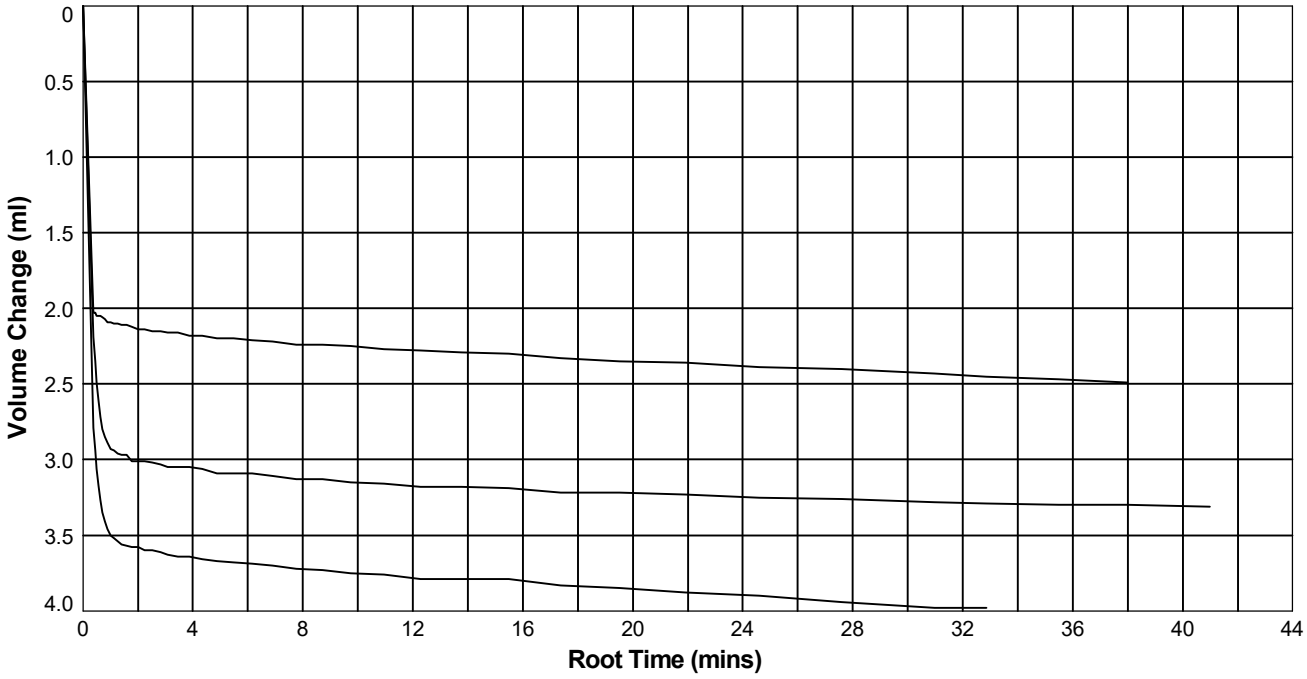
Borehole : **DCBH2019_5** Sample Ref : **5** Sample Type : **C** Depth (m) : **20.50**

CONSOLIDATION STAGE



Key: Base:

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Sizewell C Onshore GI Phase 2 2019

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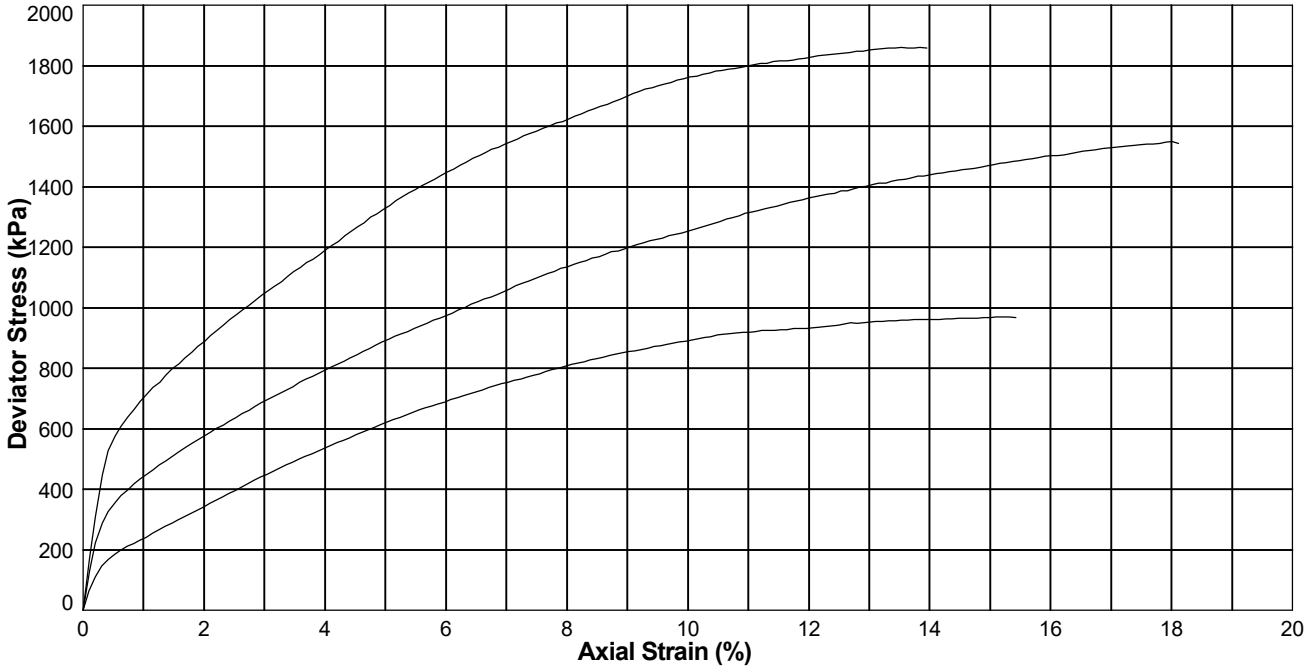
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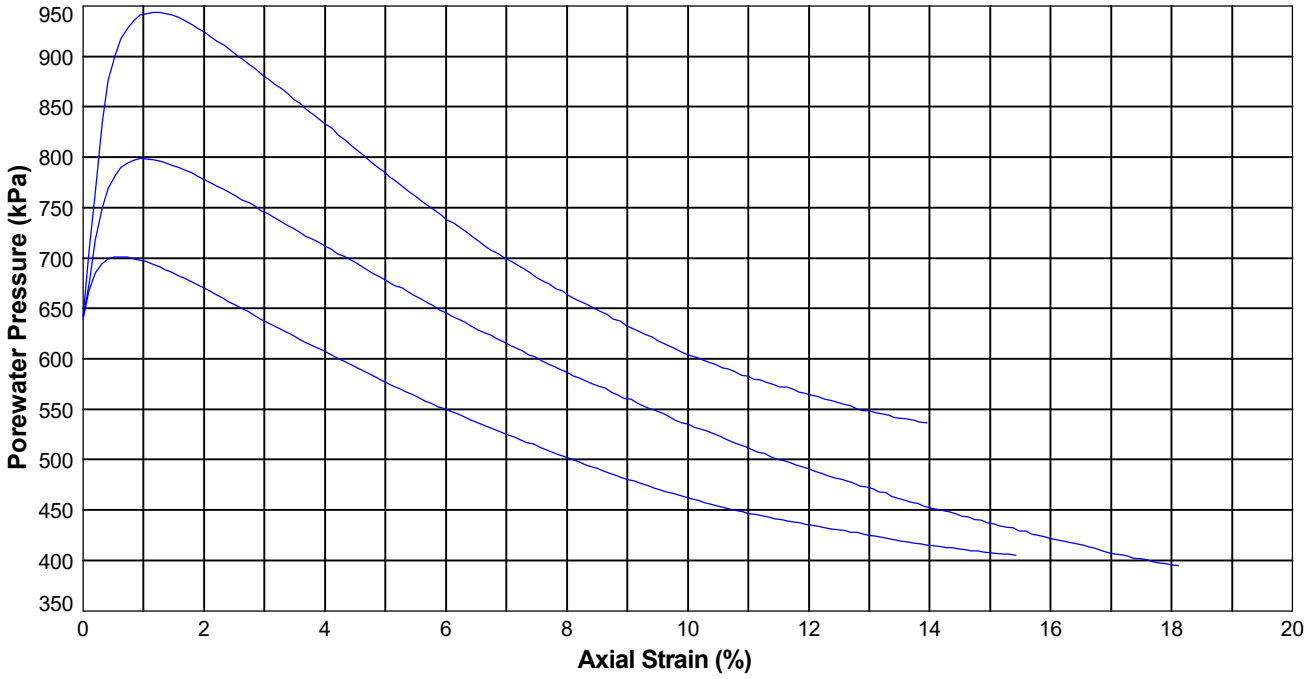
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Borehole : **DCBH2019_5** Sample Ref : **5** Sample Type : **C** Depth (m) : **20.50**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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		FRANCESCA BENNETT	**12/05/20**
	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	

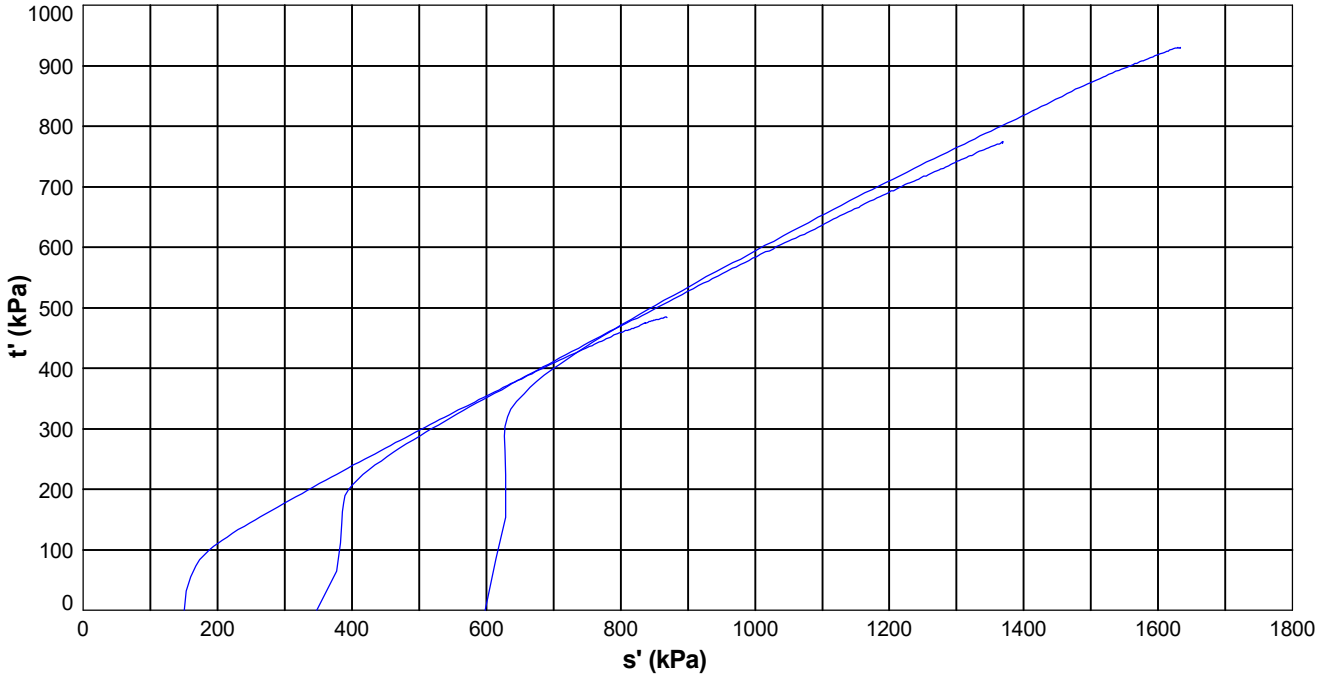
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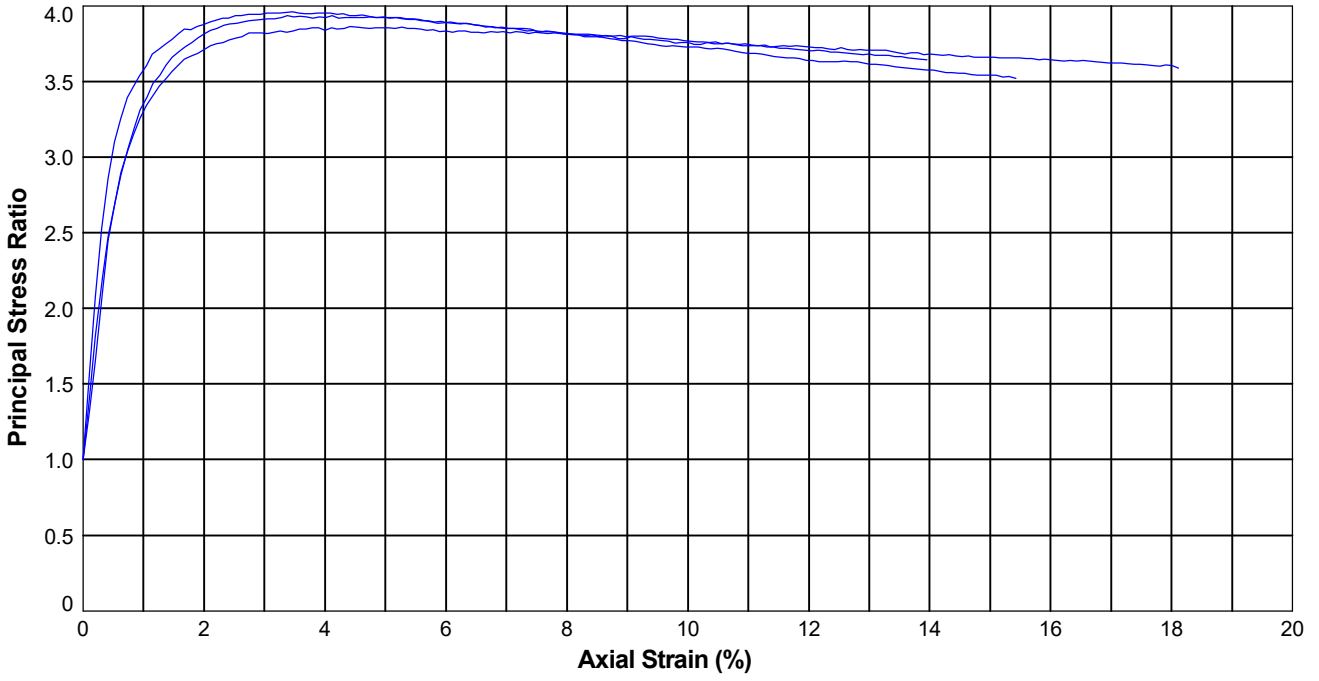
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Borehole : **DCBH2019_5** Sample Ref : **5** Sample Type : **C** Depth (m) : **20.50**

SHEAR STAGE



SHEAR STAGE



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FRANCESCA BENNETT	**12/05/20**

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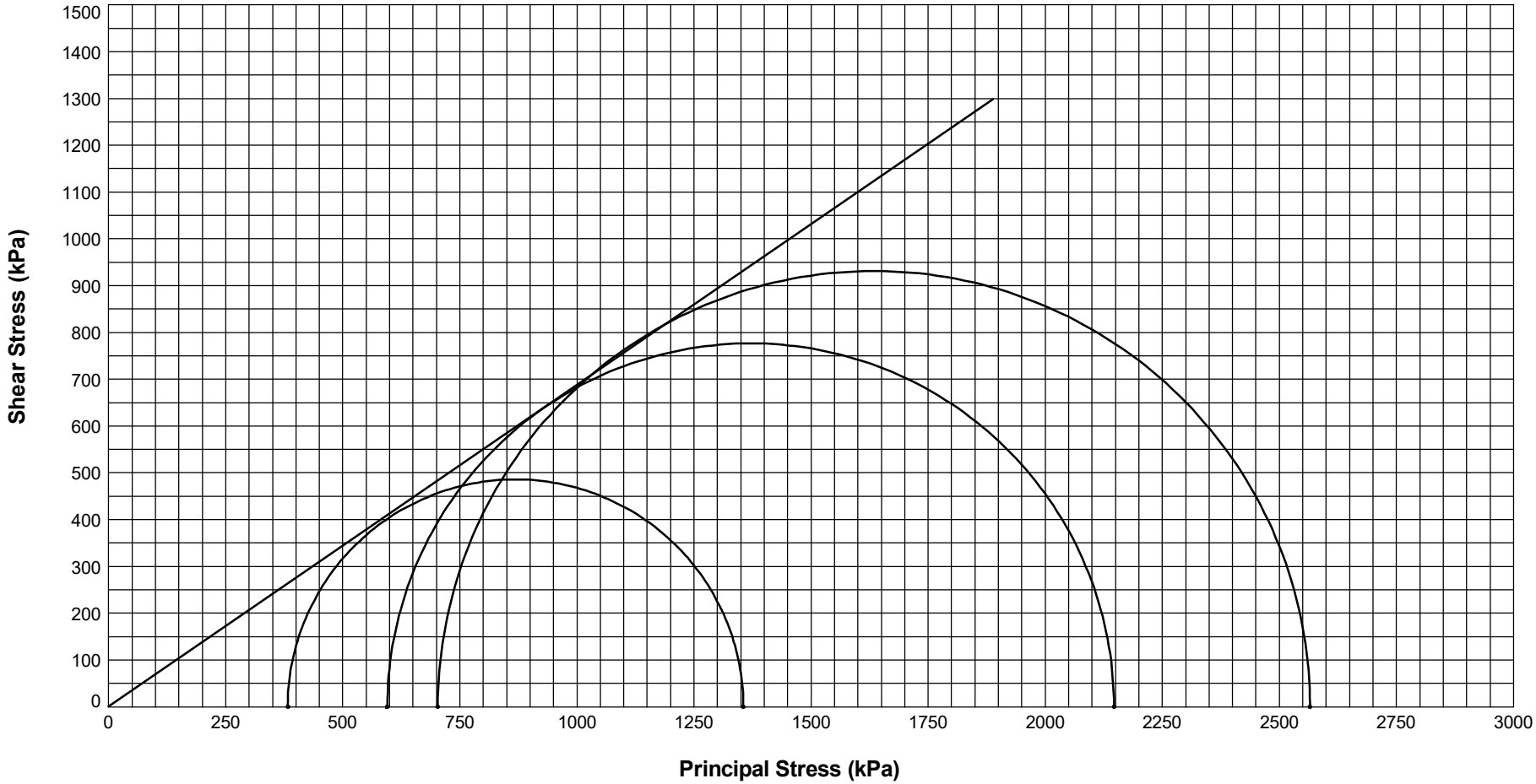
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_5** Sample Ref : **5** Sample Type : **C** Depth (m) : **20.50**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_5** Sample Ref : **9** Sample Type : **C** Depth (m) : **29.95**

Drainage : **Radial + 1 End** Sample Condition : **Remoulded**

Description : **Grey silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**49.65**	**49.68**	**49.68**
Initial Height (mm)	**100.51**	**100.29**	**100.11**
Initial Mass (g)	**423.12**	**426.35**	**423.28**
Initial Moisture Content (%)	**20**	**19**	**20**
Initial Bulk Density (Mg/m^3)	**2.17**	**2.19**	**2.18**
Initial Dry Density (Mg/m^3)	**1.81**	**1.84**	**1.82**
Initial B-Value	**0.80**	**0.83**	**0.81**
Final Moisture Content (%)	**18**	**17**	**17**
Final Bulk Density (Mg/m^3)	**2.24**	**2.29**	**2.29**
Final Dry Density (Mg/m^3)	**1.89**	**1.96**	**1.96**
SATURATION			
Duration (days)	**4**	**3**	**4**
Final B-Value	**1.00**	**0.96**	**0.98**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**640**	**840**	**1040**
Back Pressure (kPa)	**390**	**390**	**390**
Initial Volume (cm^3)	**194.697**	**194.433**	**194.012**
Final Volume (cm^3)	**186.327**	**182.383**	**179.942**
Change in Volume (cm^3)	**8.370**	**12.050**	**14.070**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**640**	**840**	**1040**
Initial Porewater Pressure (kPa)	**394.3**	**396.6**	**394.2**
Strain Rate (mm/min)	**0.01321**	**0.01310**	**0.01302**
Axial Strain at Failure (%)	**9.16**	**16.73**	**10.48**
Time to Failure (h)	**11.4**	**20.9**	**13.1**
Deviator Stress at Failure (kPa)	**289.2**	**584.9**	**641.6**
Porewater Pressure at Failure (kPa)	**521.1**	**601.1**	**766.7**
Effective Major Principal Stress (kPa)	**407.9**	**824.4**	**913.6**
Effective Minor Principal Stress (kPa)	**118.7**	**239.5**	**272.0**
Effective Principal Stress Ratio	**3.44**	**3.44**	**3.36**
Pore Pressure Coefficient - A_f	**0.44**	**0.35**	**0.58**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **33**

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Job No: **734318**

Sizewell C Onshore GI Phase 2 2019

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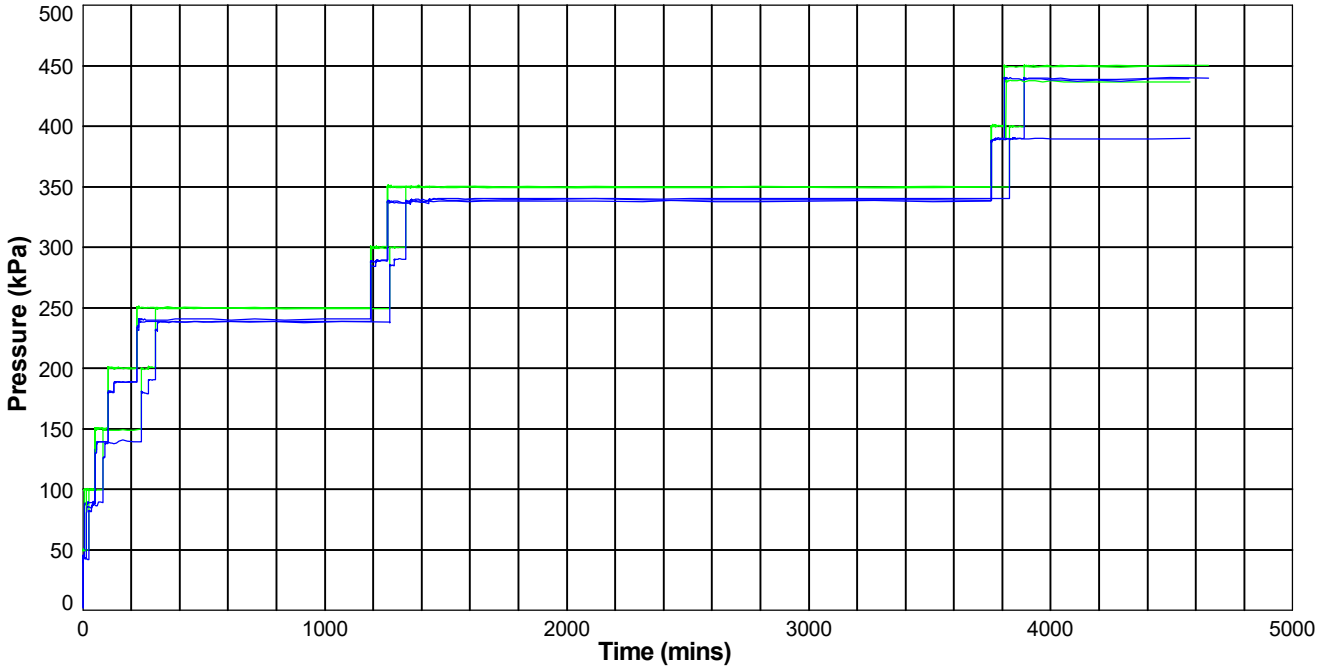
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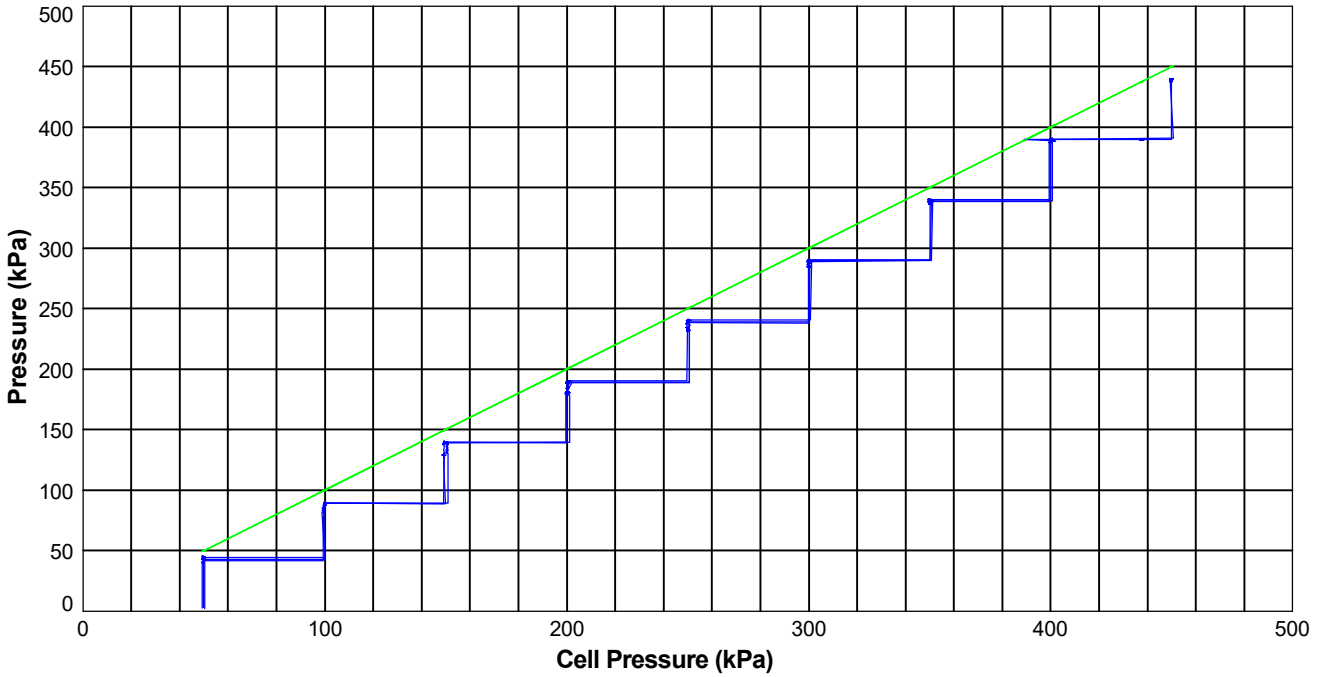
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_5** Sample Ref : **9** Sample Type : **C** Depth (m) : **29.95**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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By	Date
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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

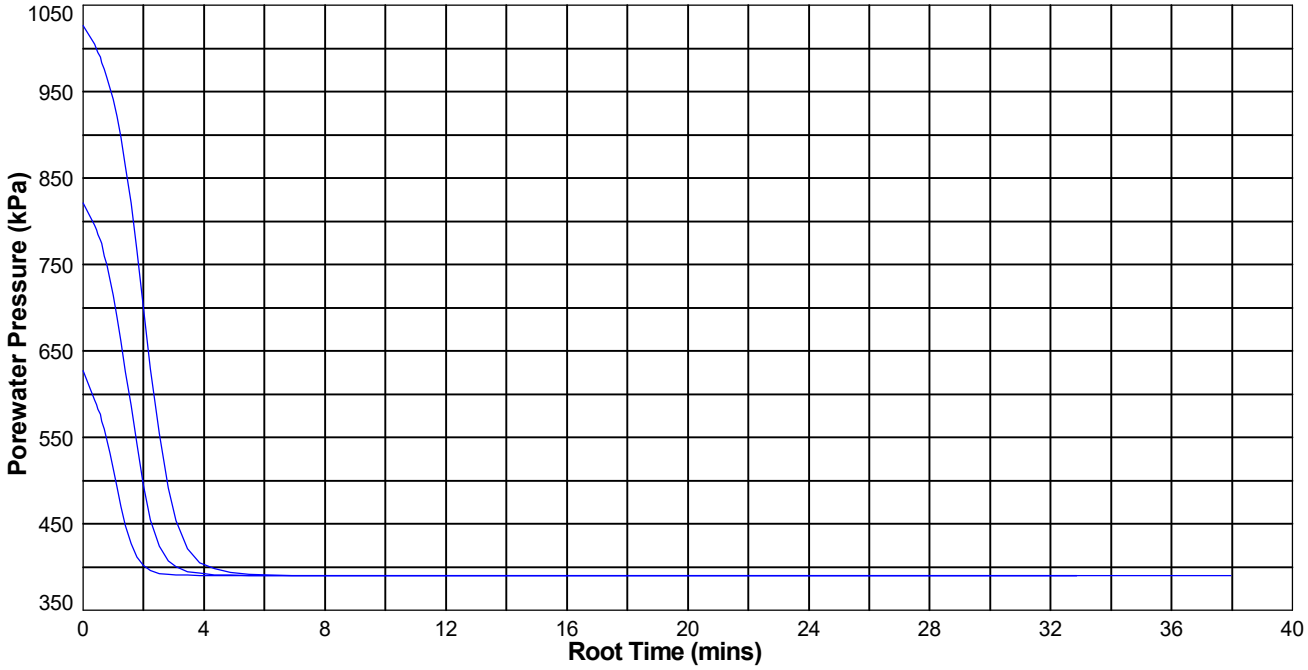
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

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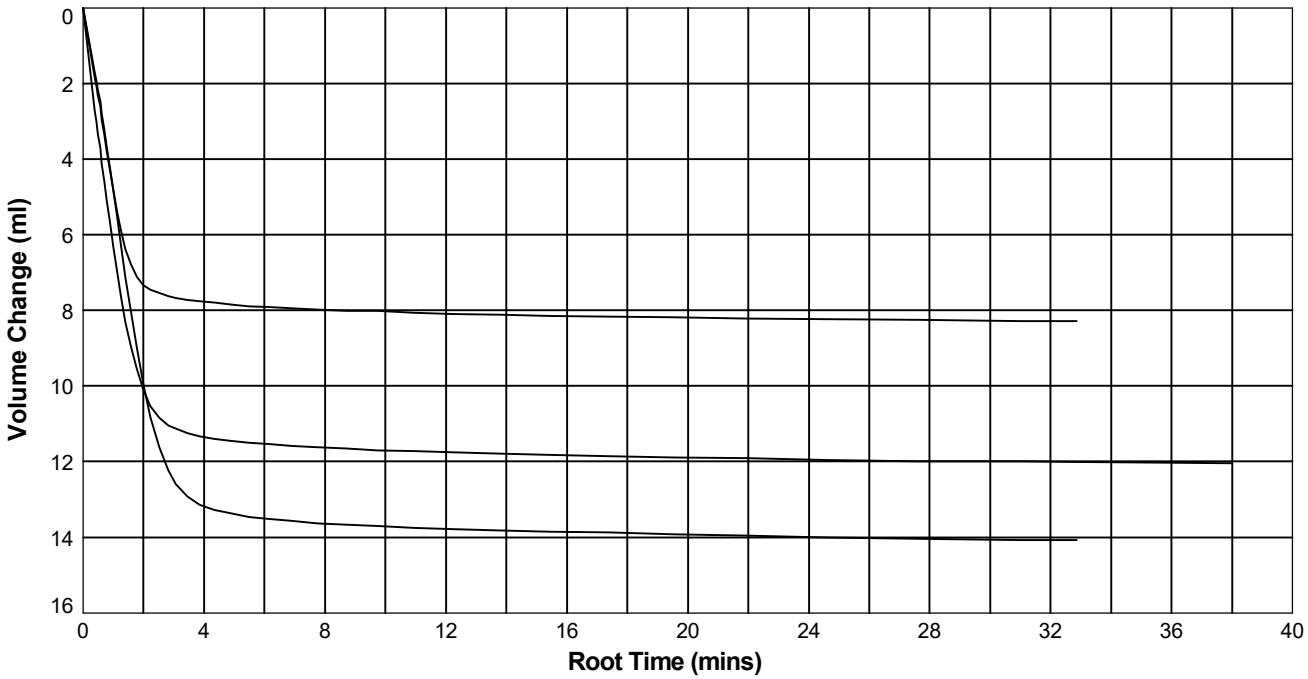
Borehole : **DCBH2019_5** Sample Ref : **9** Sample Type : **C** Depth (m) : **29.95**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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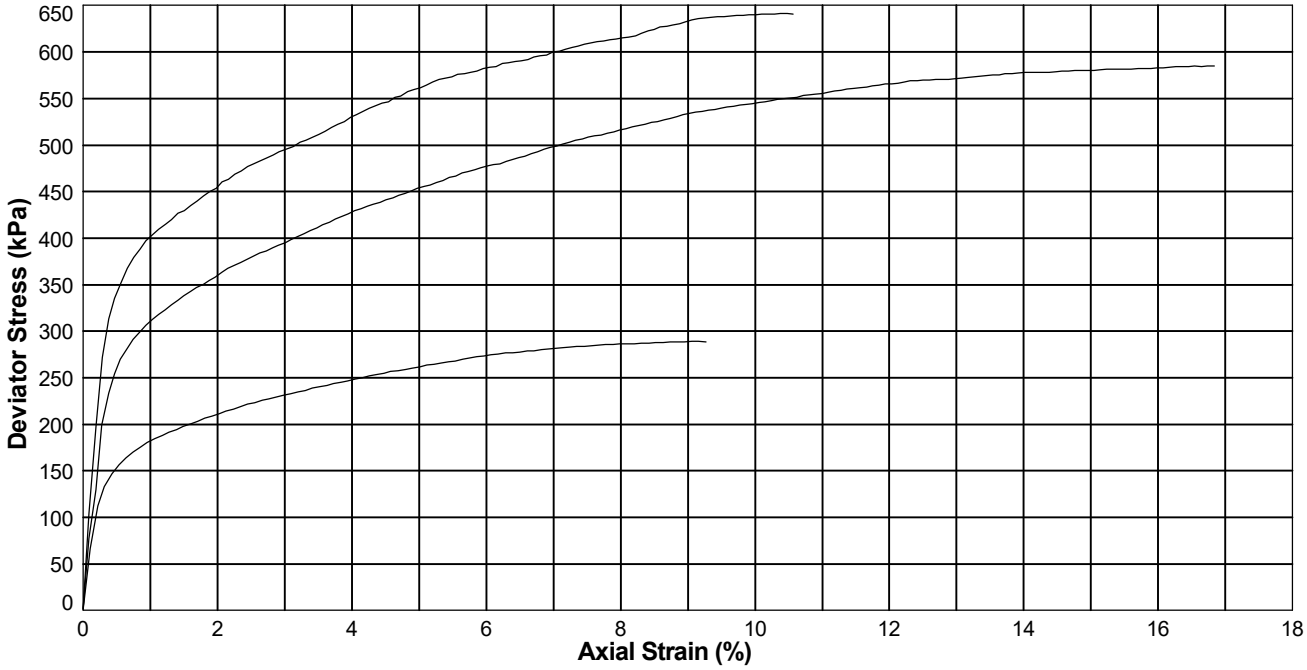
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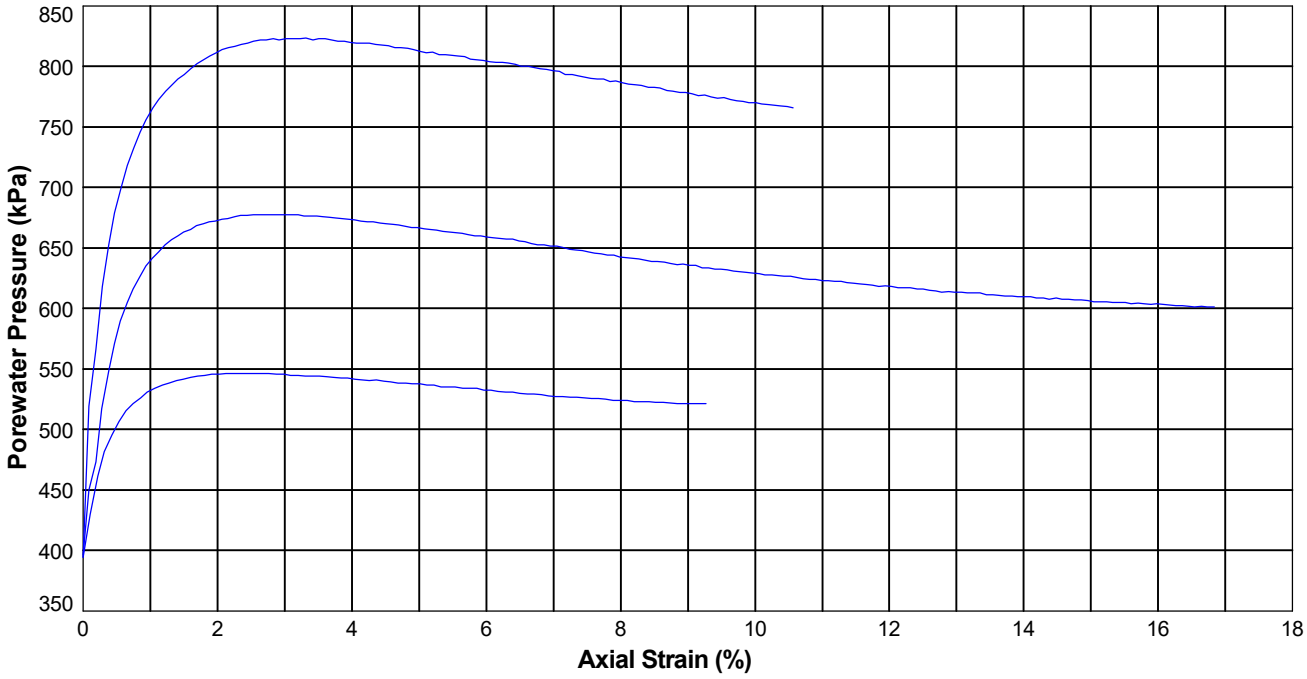
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Borehole : **DCBH2019_5** Sample Ref : **9** Sample Type : **C** Depth (m) : **29.95**

SHEAR STAGE



SHEAR STAGE



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Contract Ref: **734318**

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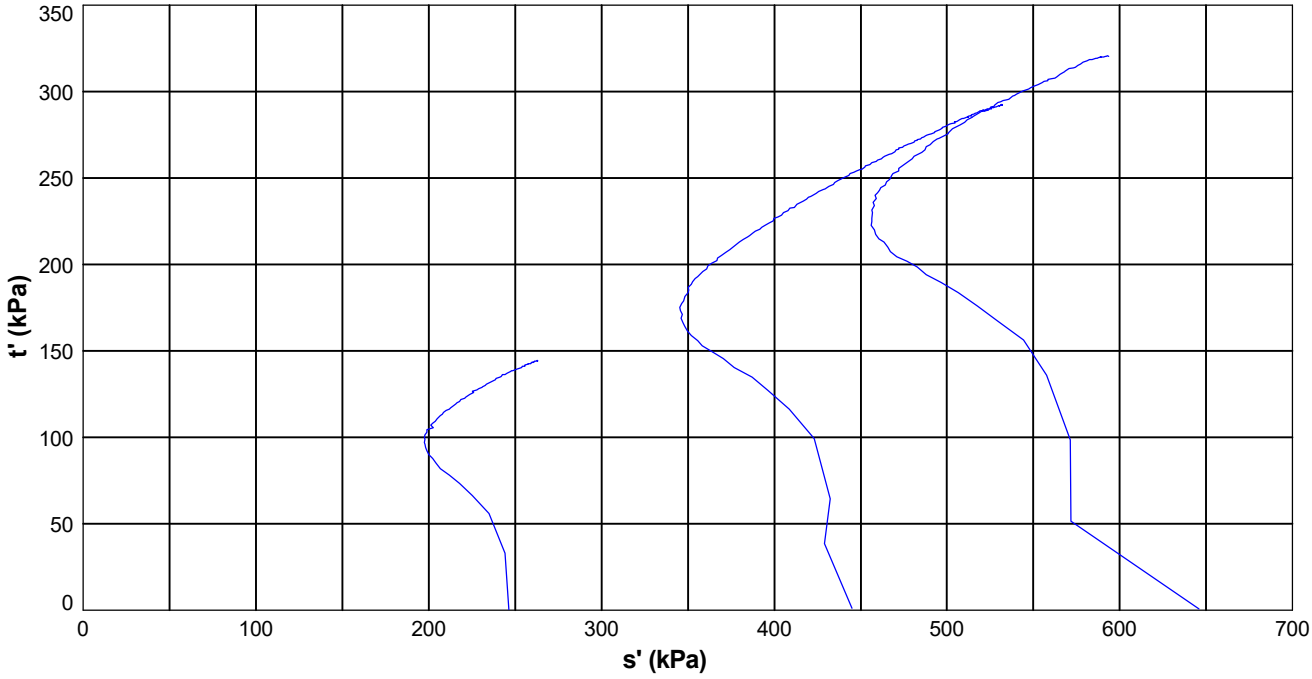
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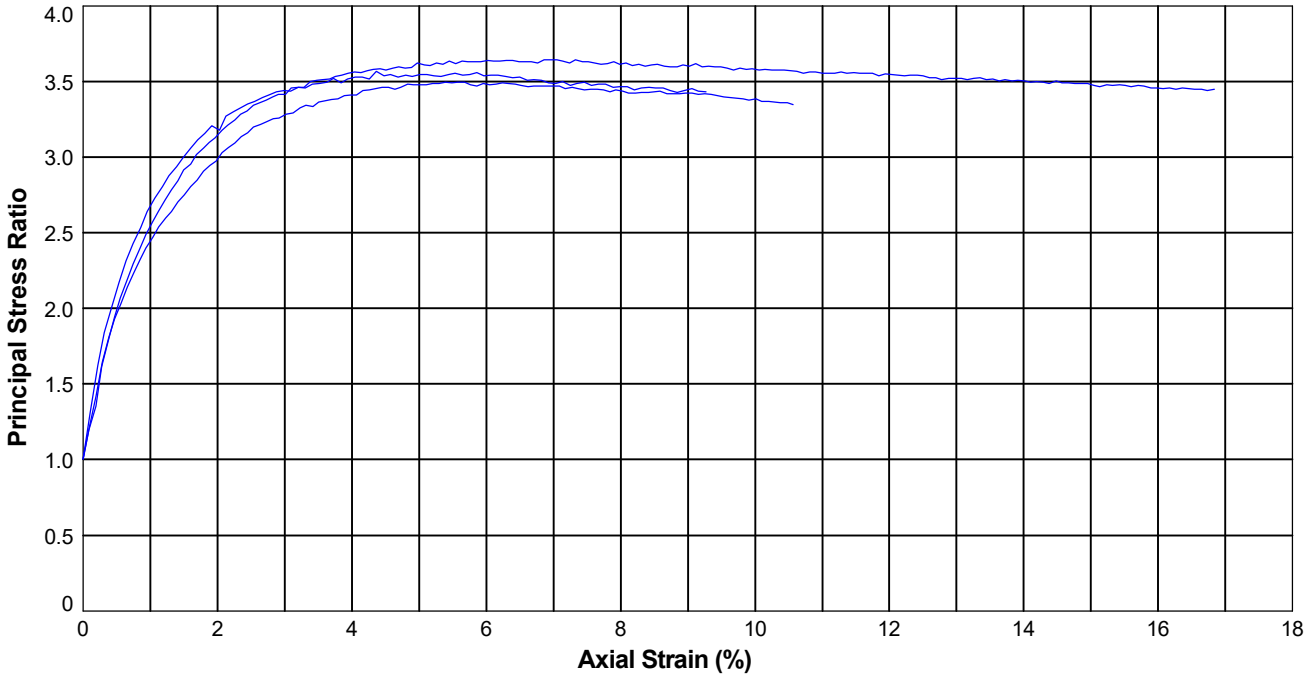
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Borehole : **DCBH2019_5** Sample Ref : **9** Sample Type : **C** Depth (m) : **29.95**

SHEAR STAGE



SHEAR STAGE



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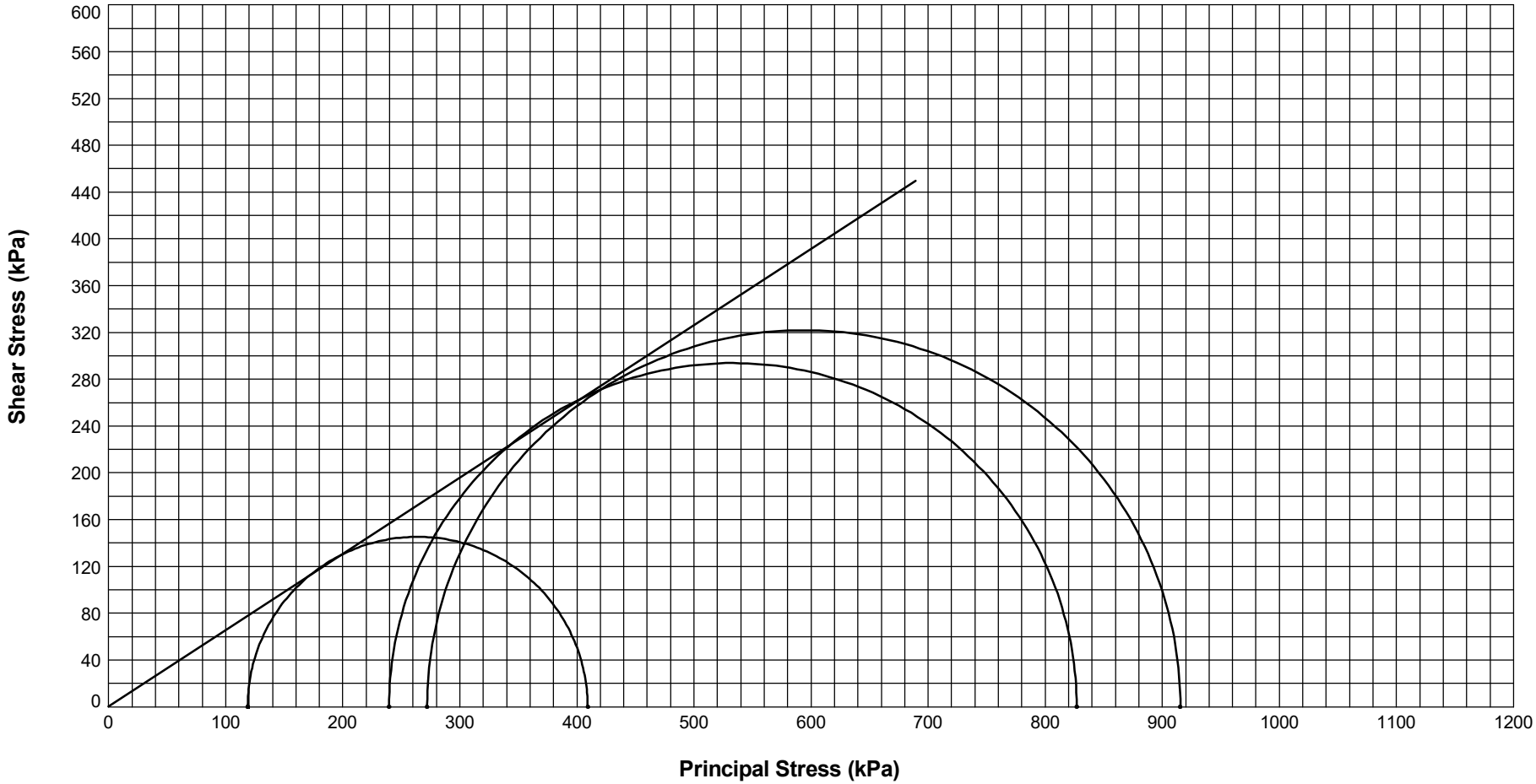
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_5** Sample Ref : **9** Sample Type : **C** Depth (m) : **29.95**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_5** Sample Ref : **15** Sample Type : **C** Depth (m) : **49.18**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Grey sandy silty CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**38.12**	**38.32**	**37.85**
Initial Height (mm)	**76.13**	**76.02**	**76.01**
Initial Mass (g)	**153.71**	**155.76**	**151.15**
Initial Moisture Content (%)	**43**	**42**	**50**
Initial Bulk Density (Mg/m^3)	**1.77**	**1.78**	**1.77**
Initial Dry Density (Mg/m^3)	**1.23**	**1.25**	**1.18**
Initial B-Value	**0.65**	**0.58**	**0.67**
Final Moisture Content (%)	**43**	**40**	**47**
Final Bulk Density (Mg/m^3)	**1.77**	**1.87**	**1.86**
Final Dry Density (Mg/m^3)	**1.23**	**1.33**	**1.26**
SATURATION			
Duration (days)	**5**	**3**	**3**
Final B-Value	**1.00**	**0.99**	**0.98**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**790**	**940**	**1140**
Back Pressure (kPa)	**390**	**340**	**340**
Initial Volume (cm^3)	**86.877**	**87.649**	**85.523**
Final Volume (cm^3)	**81.967**	**82.469**	**79.823**
Change in Volume (cm^3)	**4.910**	**5.180**	**5.700**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**790**	**940**	**1140**
Initial Porewater Pressure (kPa)	**394.8**	**343.9**	**343.8**
Strain Rate (mm/min)	**0.00498**	**0.00497**	**0.00495**
Axial Strain at Failure (%)	**2.44**	**2.76**	**2.44**
Time to Failure (h)	**6.1**	**6.9**	**6.1**
Deviator Stress at Failure (kPa)	**582.0**	**813.5**	**956.7**
Porewater Pressure at Failure (kPa)	**621.6**	**692.2**	**785.1**
Effective Major Principal Stress (kPa)	**750.0**	**1061.3**	**1311.1**
Effective Minor Principal Stress (kPa)	**168.0**	**247.8**	**354.4**
Effective Principal Stress Ratio	**4.47**	**4.28**	**3.70**
Pore Pressure Coefficient - A_f	**0.39**	**0.43**	**0.46**

Effective Cohesion (kPa) : **77** Angle of Shear Resistance (degs) : **30**

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Job No **734318**

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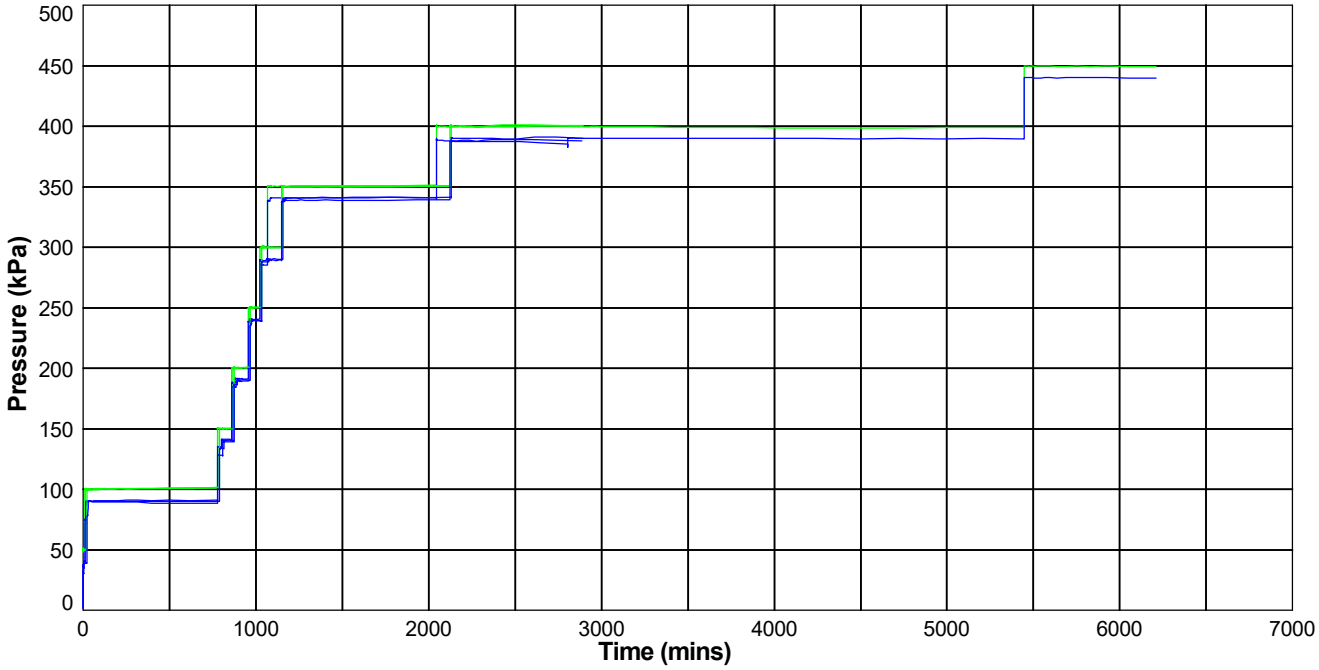
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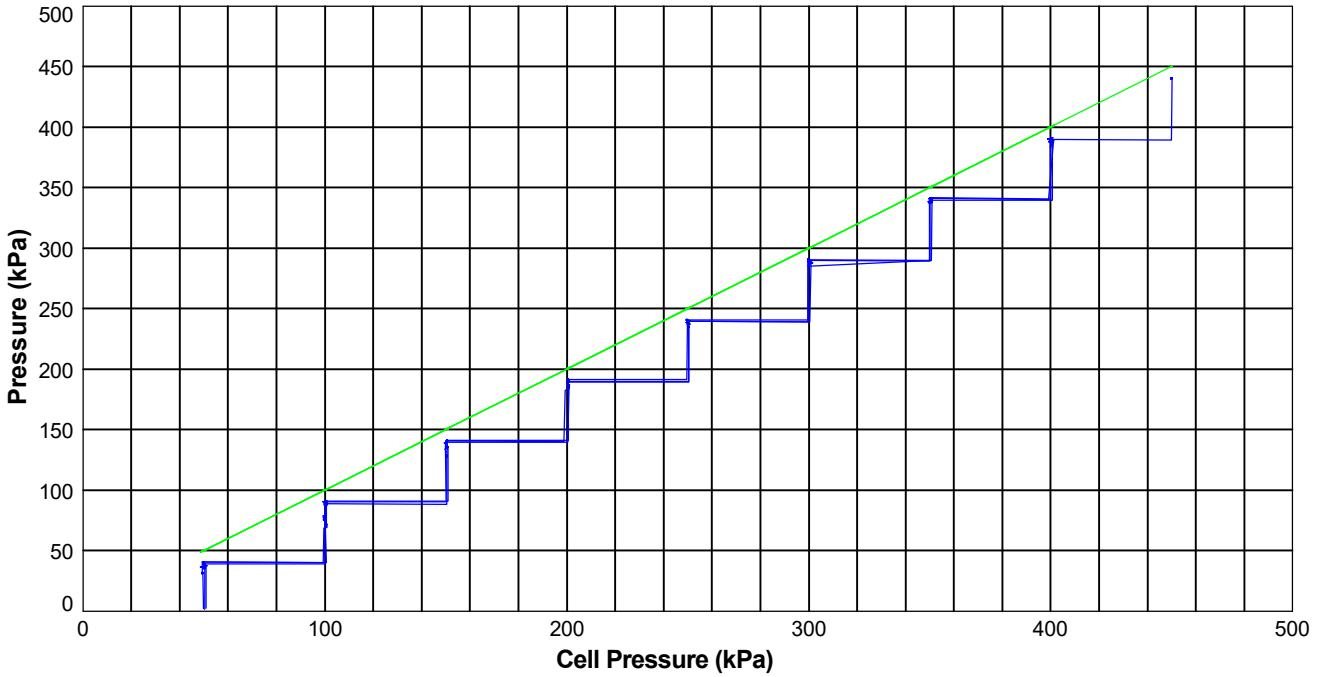
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Borehole : **DCBH2019_5** Sample Ref : **15** Sample Type : **C** Depth (m) : **49.18**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

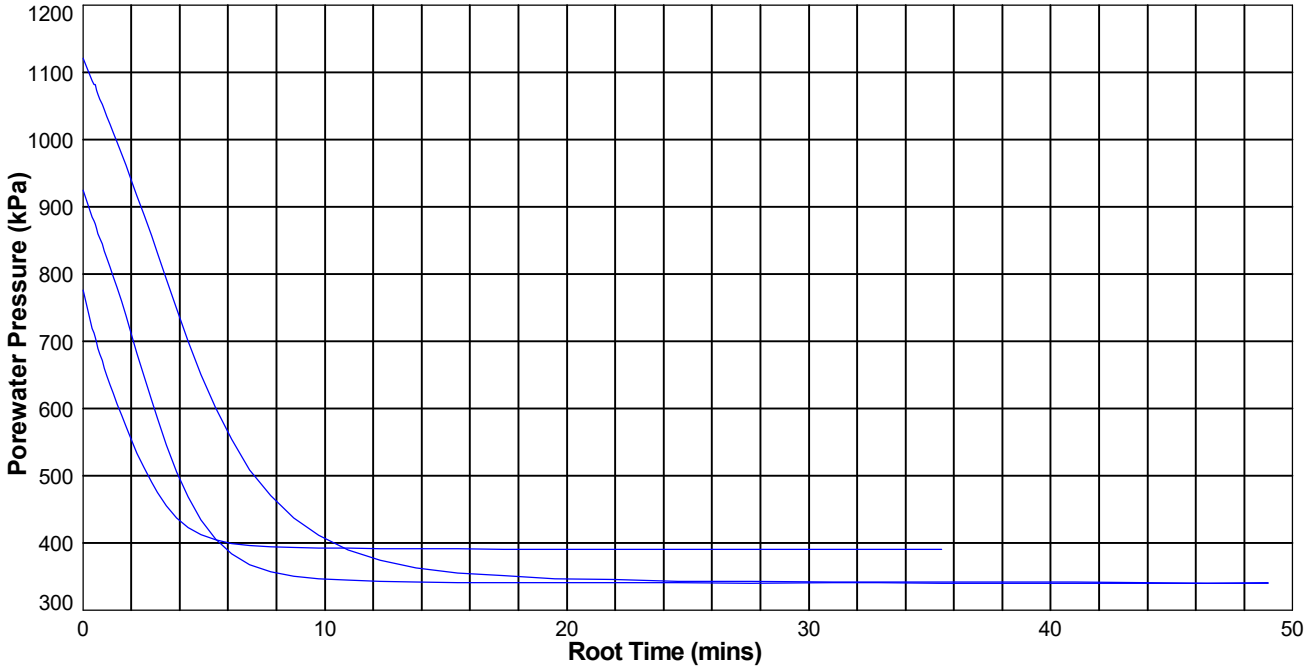
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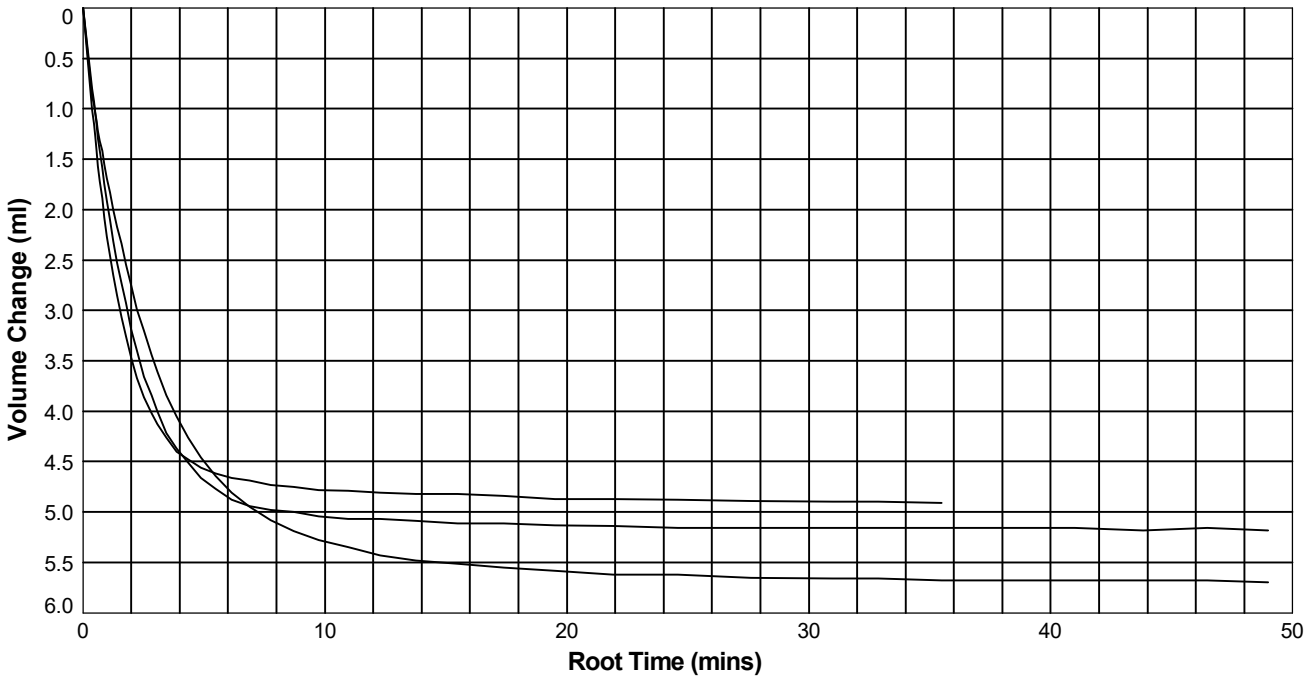
Borehole : **DCBH2019_5** Sample Ref : **15** Sample Type : **C** Depth (m) : **49.18**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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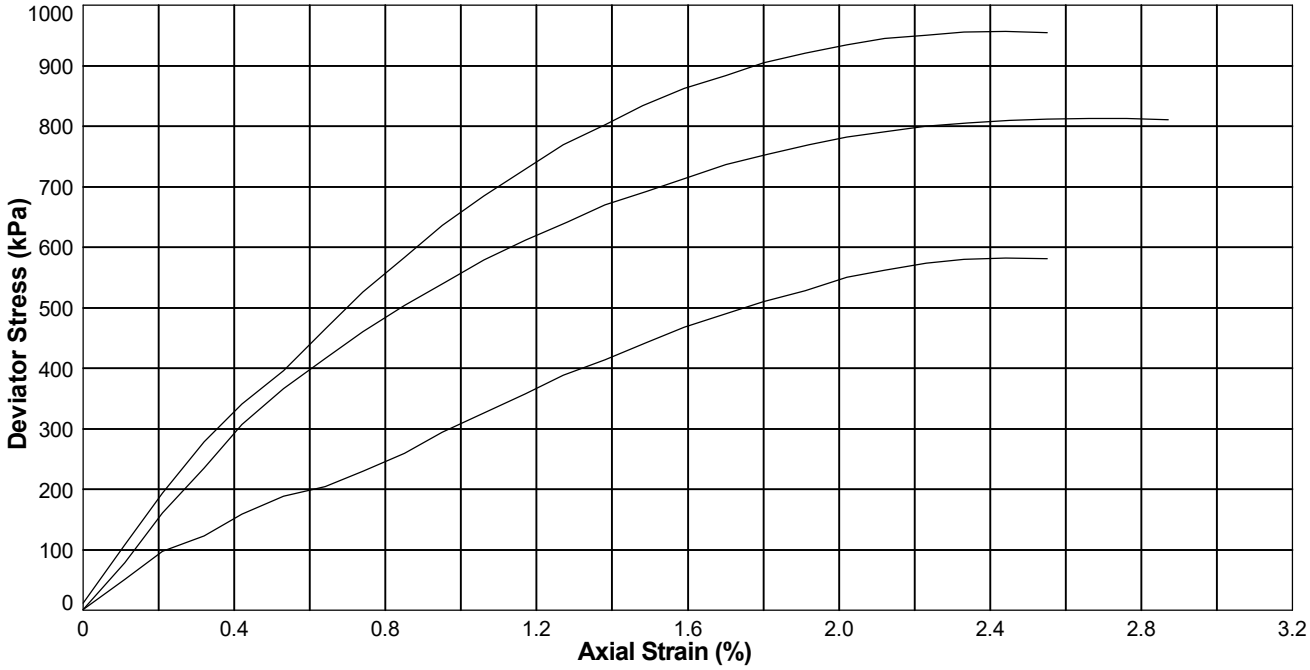
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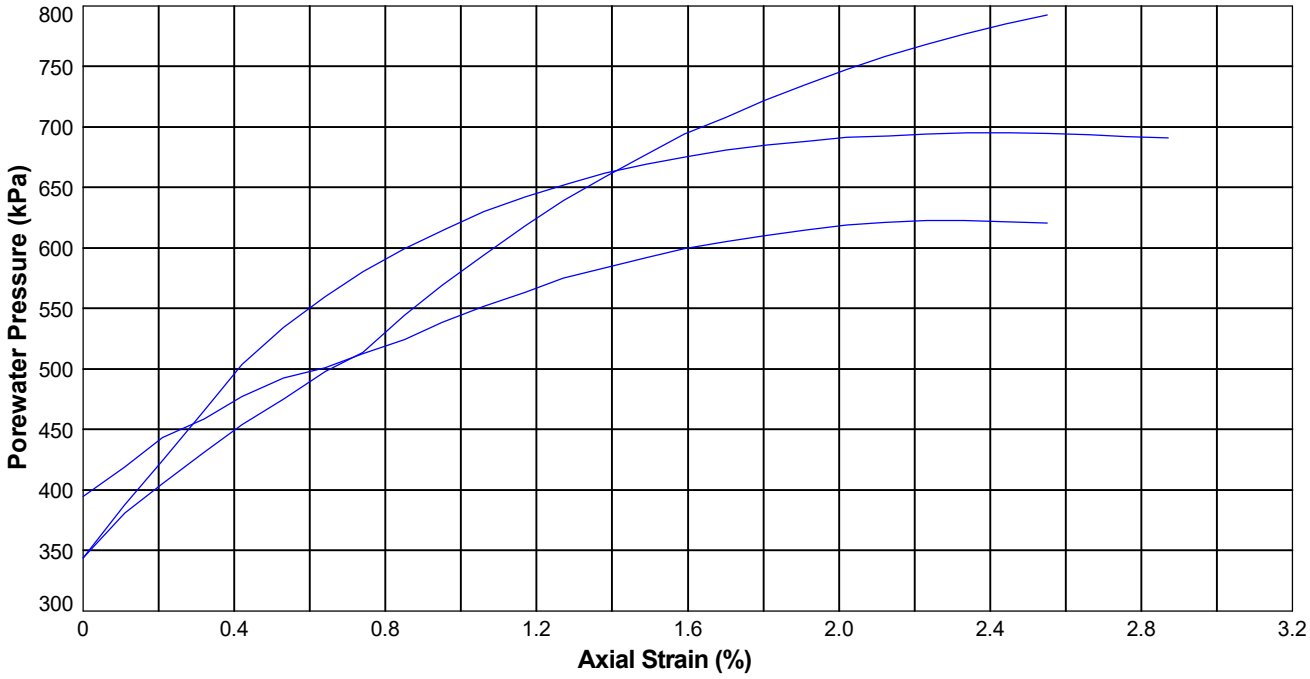
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Borehole : **DCBH2019_5** Sample Ref : **15** Sample Type : **C** Depth (m) : **49.18**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

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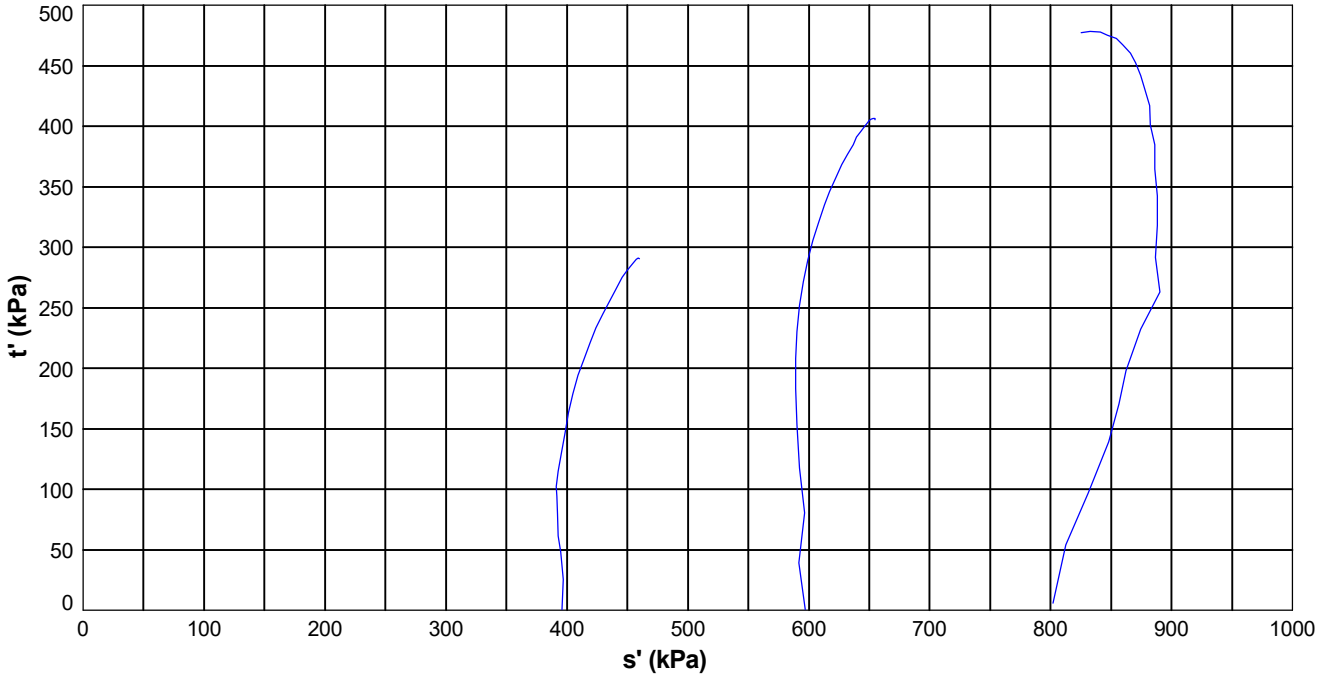
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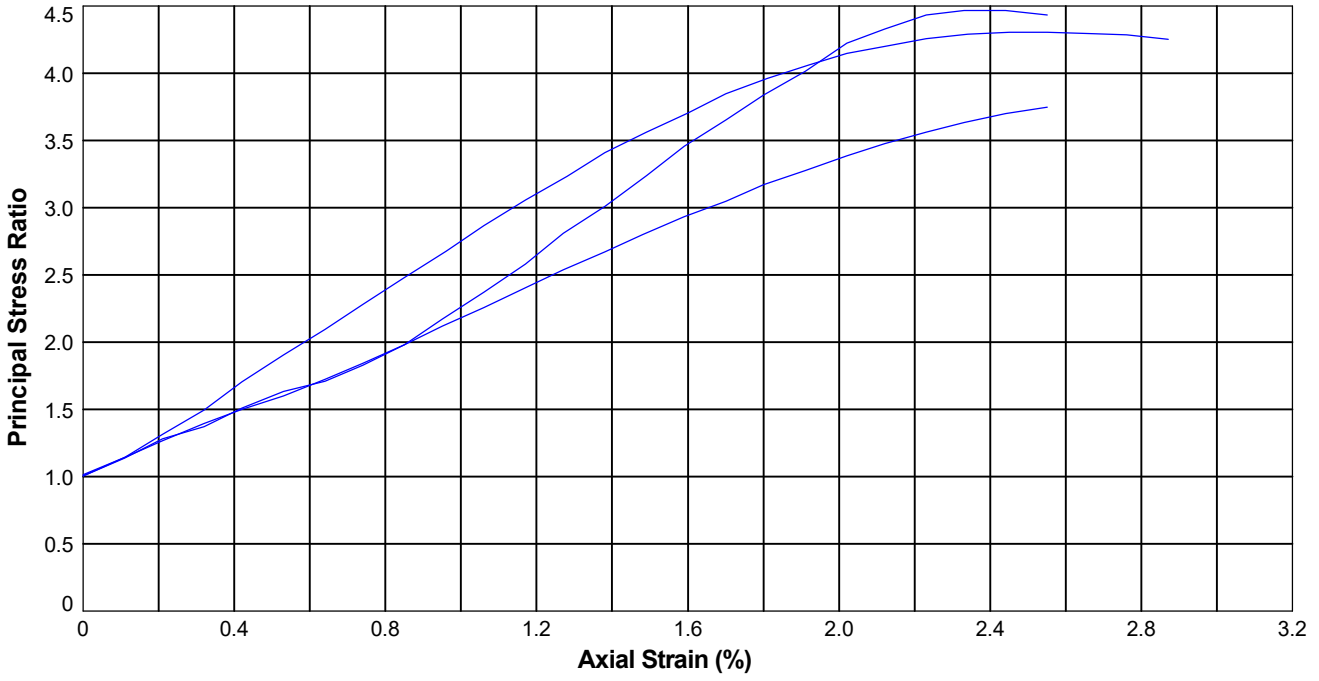
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Borehole : **DCBH2019_5** Sample Ref : **15** Sample Type : **C** Depth (m) : **49.18**

SHEAR STAGE



SHEAR STAGE



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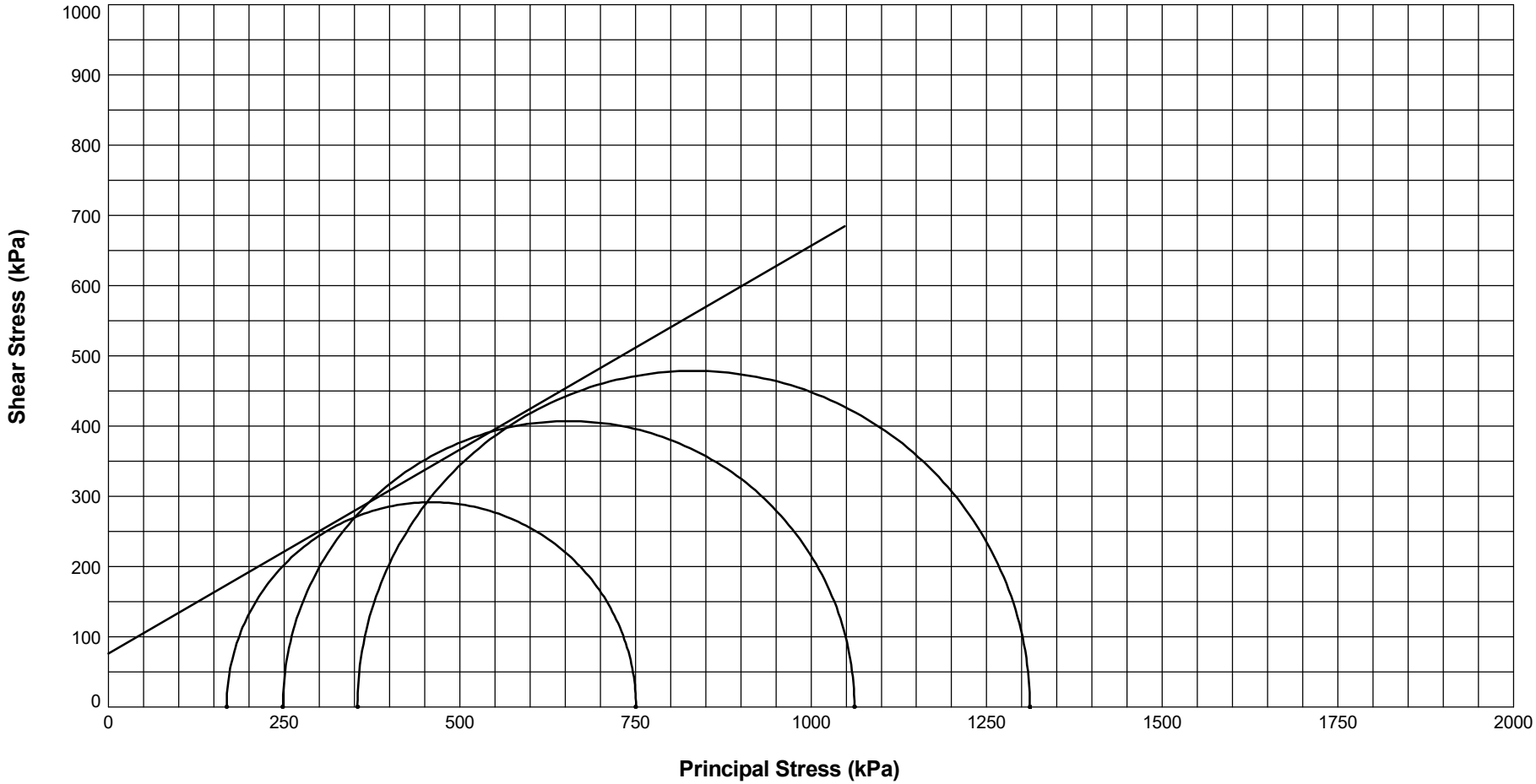
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_5** Sample Ref : **15** Sample Type : **C** Depth (m) : **49.18**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **3** Sample Type : **C** Depth (m) : **16.45**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Greyish brown slightly gravelly slightly silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.03**	**50.03**	**50.03**
Initial Height (mm)	**100.15**	**100.14**	**100.14**
Initial Mass (g)	**370.15**	**370.85**	**370.53**
Initial Moisture Content (%)	**15**	**15**	**15**
Initial Bulk Density (Mg/m^3)	**1.88**	**1.88**	**1.88**
Initial Dry Density (Mg/m^3)	**1.64**	**1.64**	**1.64**
Initial B-Value	**0.11**	**0.15**	**0.19**
Final Moisture Content (%)	**23**	**23**	**23**
Final Bulk Density (Mg/m^3)	**2.03**	**2.05**	**2.06**
Final Dry Density (Mg/m^3)	**1.65**	**1.67**	**1.67**
SATURATION			
Duration (days)	**8**	**7**	**8**
Final B-Value	**0.95**	**0.97**	**0.96**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**490**	**640**	**940**
Back Pressure (kPa)	**390**	**390**	**440**
Initial Volume (cm^3)	**196.854**	**196.893**	**196.874**
Final Volume (cm^3)	**195.874**	**194.093**	**193.084**
Change in Volume (cm^3)	**0.980**	**2.800**	**3.790**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**490**	**640**	**940**
Initial Porewater Pressure (kPa)	**391.3**	**389.3**	**440.8**
Strain Rate (mm/min)	**0.01515**	**0.01510**	**0.01508**
Axial Strain at Failure (%)	**13.81**	**15.73**	**10.05**
Time to Failure (h)	**15.2**	**17.3**	**11.0**
Deviator Stress at Failure (kPa)	**782.7**	**1113.5**	**1167.0**
Porewater Pressure at Failure (kPa)	**213.8**	**236.3**	**517.6**
Effective Major Principal Stress (kPa)	**1058.6**	**1517.6**	**1588.9**
Effective Minor Principal Stress (kPa)	**275.9**	**404.1**	**421.9**
Effective Principal Stress Ratio	**3.84**	**3.76**	**3.77**
Pore Pressure Coefficient - A_f	**-0.23**	**-0.14**	**0.07**

Effective Cohesion (kPa) : **23** Angle of Shear Resistance (degs) : **34**

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Sizewell C Onshore GI Phase 2 2019

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Job No: 734318

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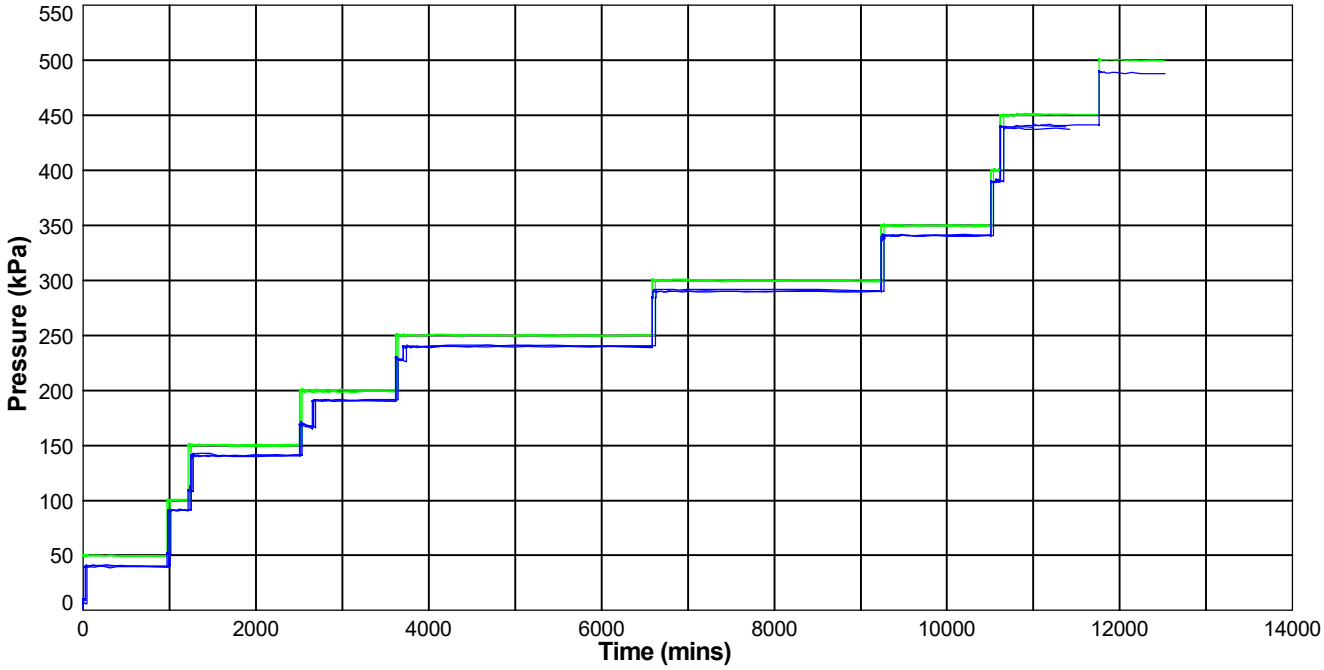
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

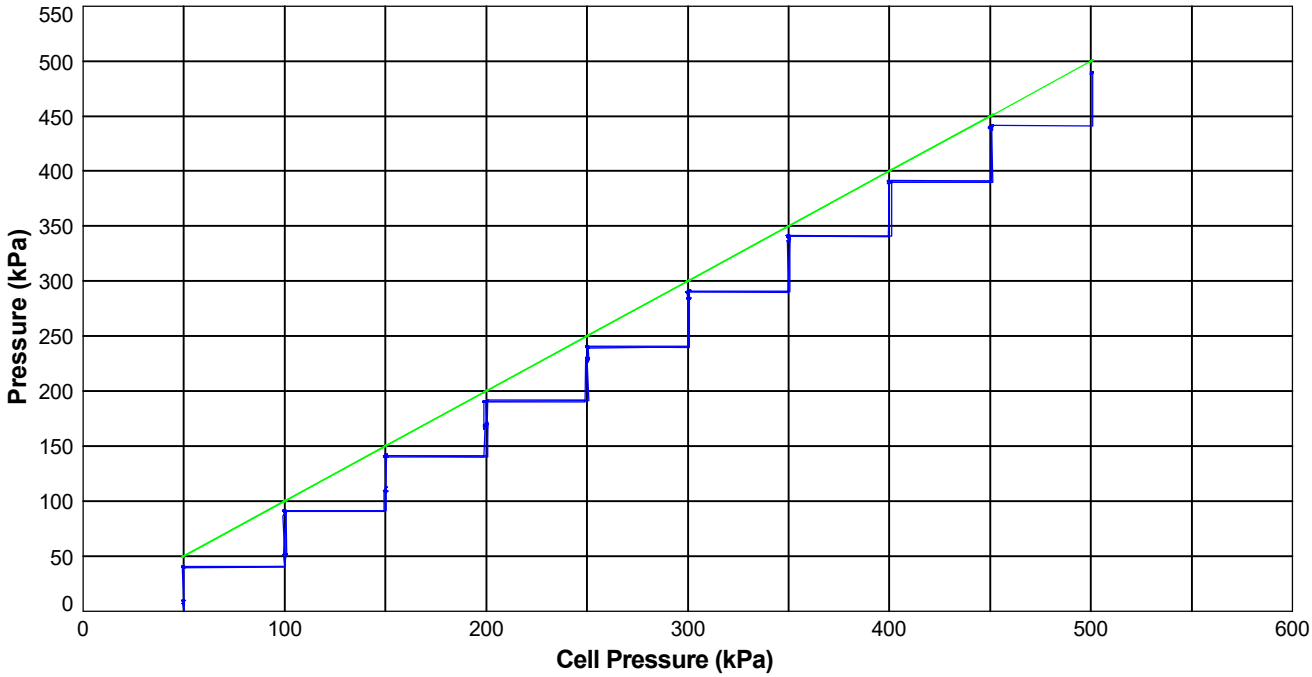
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **3** Sample Type : **C** Depth (m) : **16.45**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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FRANCESCA BENNETT	**29/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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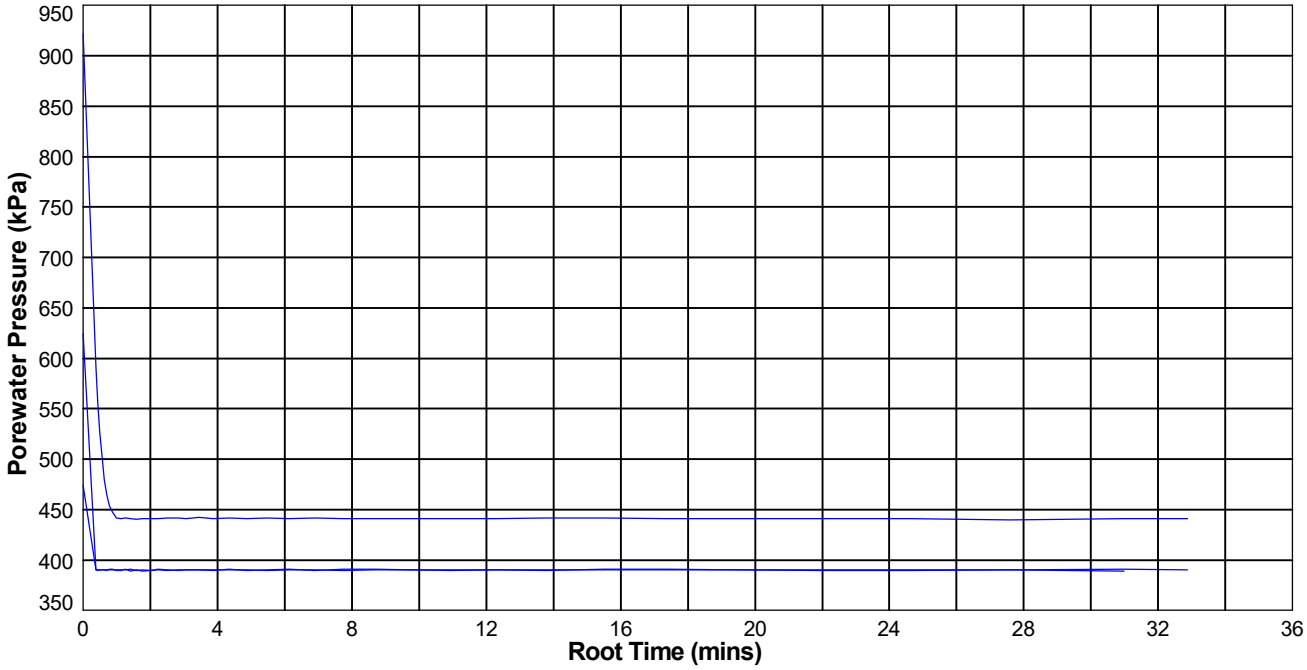
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

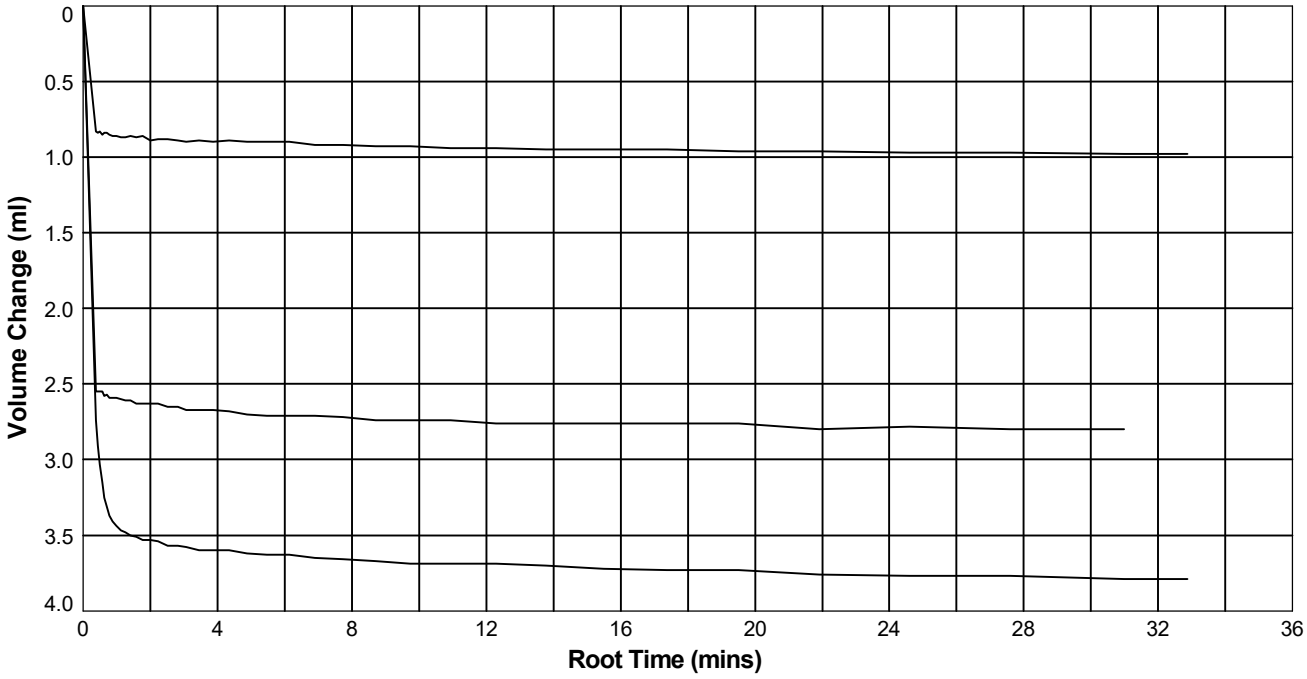
Borehole : **DCBH2019_6** Sample Ref : **3** Sample Type : **C** Depth (m) : **16.45**

CONSOLIDATION STAGE



Key: Base:

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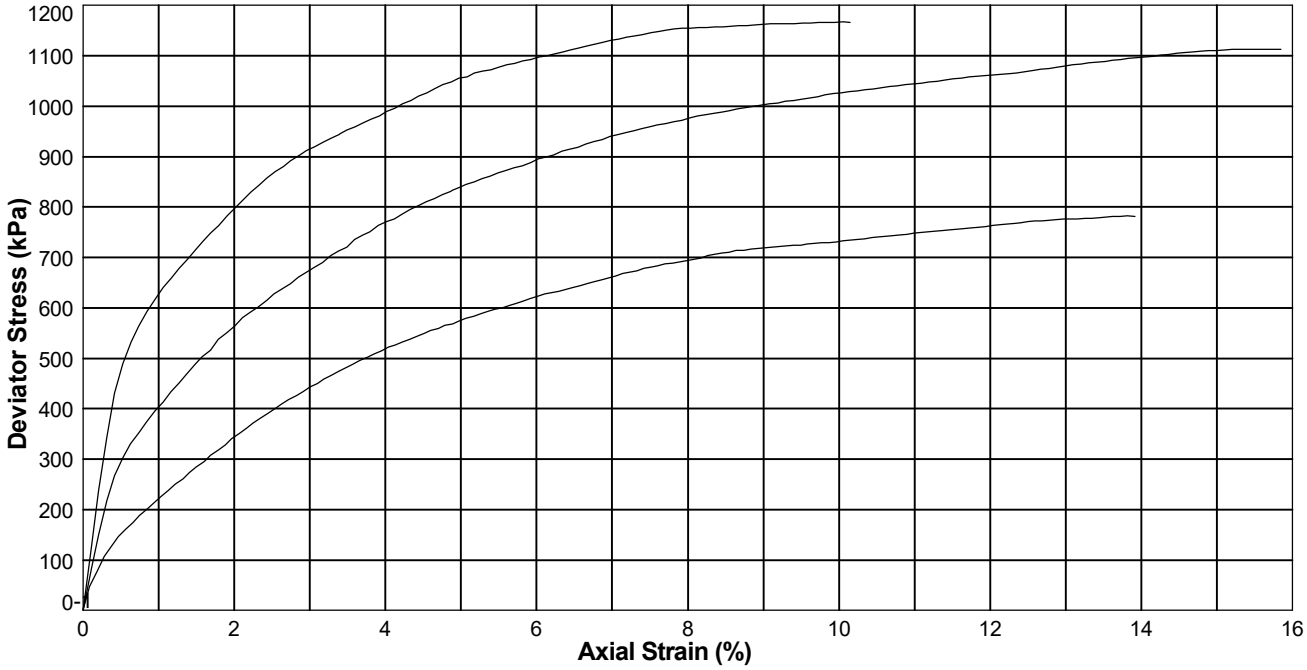
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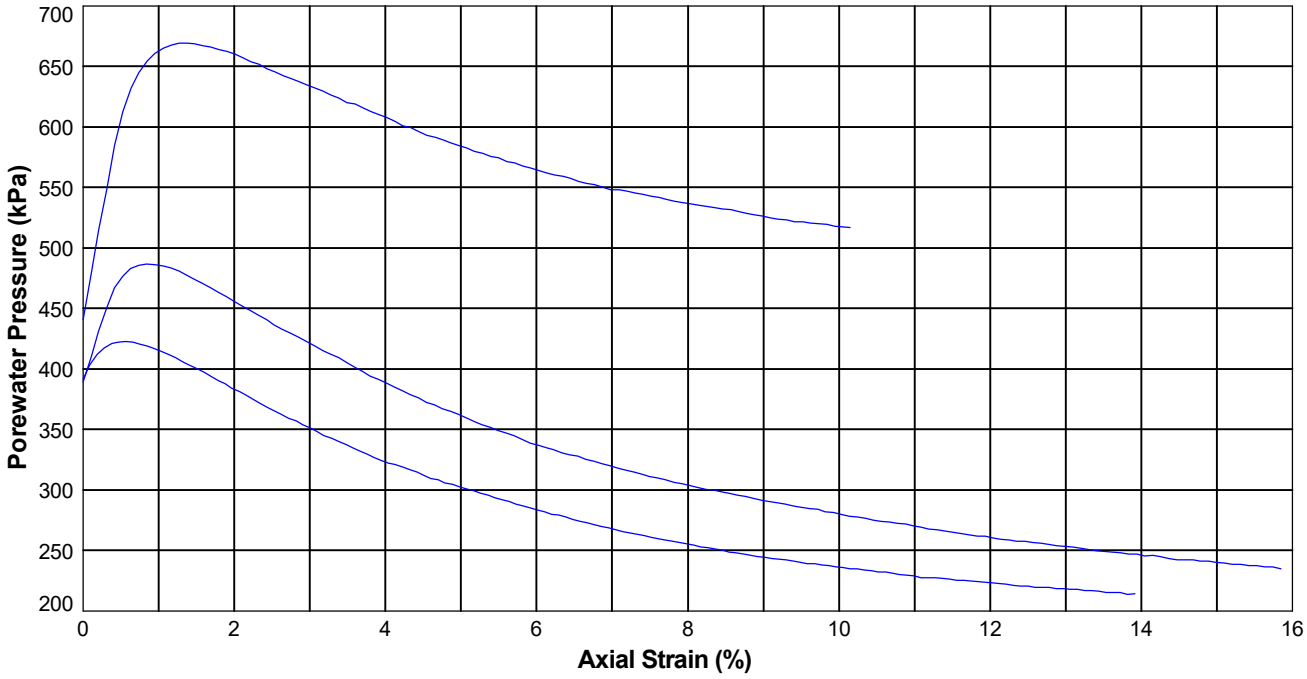
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **3** Sample Type : **C** Depth (m) : **16.45**

SHEAR STAGE



SHEAR STAGE



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	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**

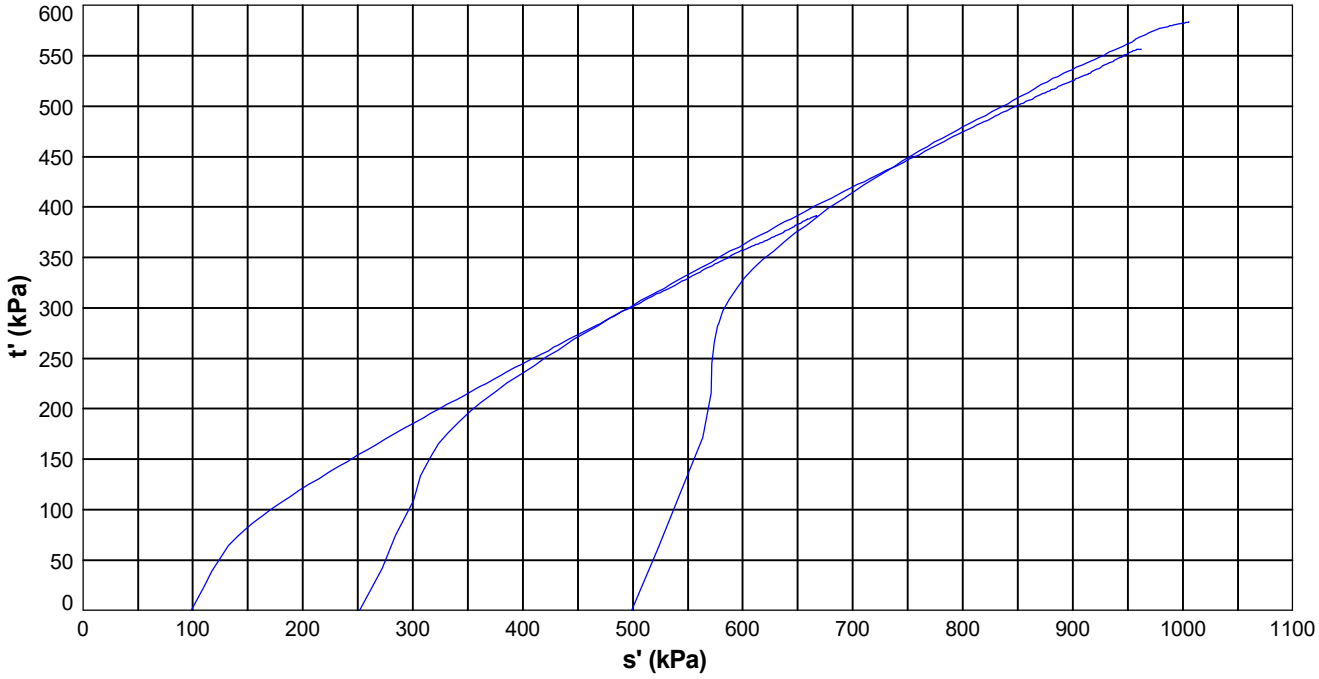
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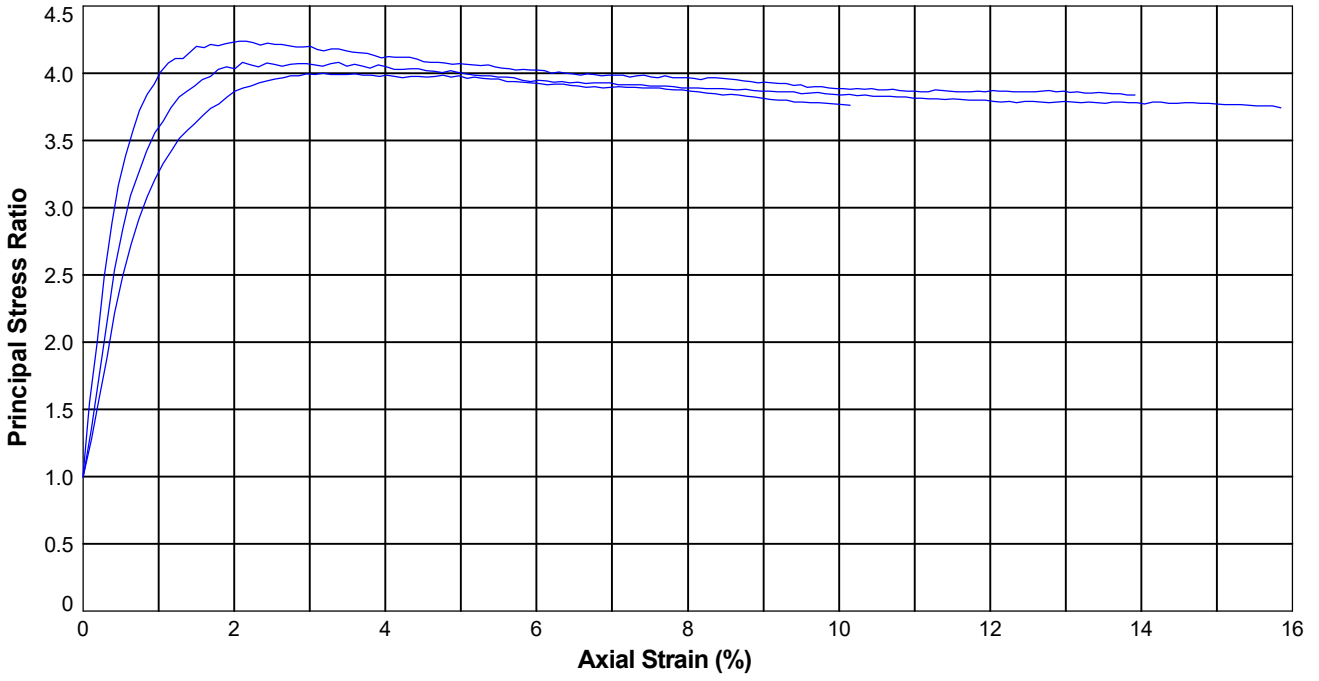
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Borehole : **DCBH2019_6** Sample Ref : **3** Sample Type : **C** Depth (m) : **16.45**

SHEAR STAGE



SHEAR STAGE



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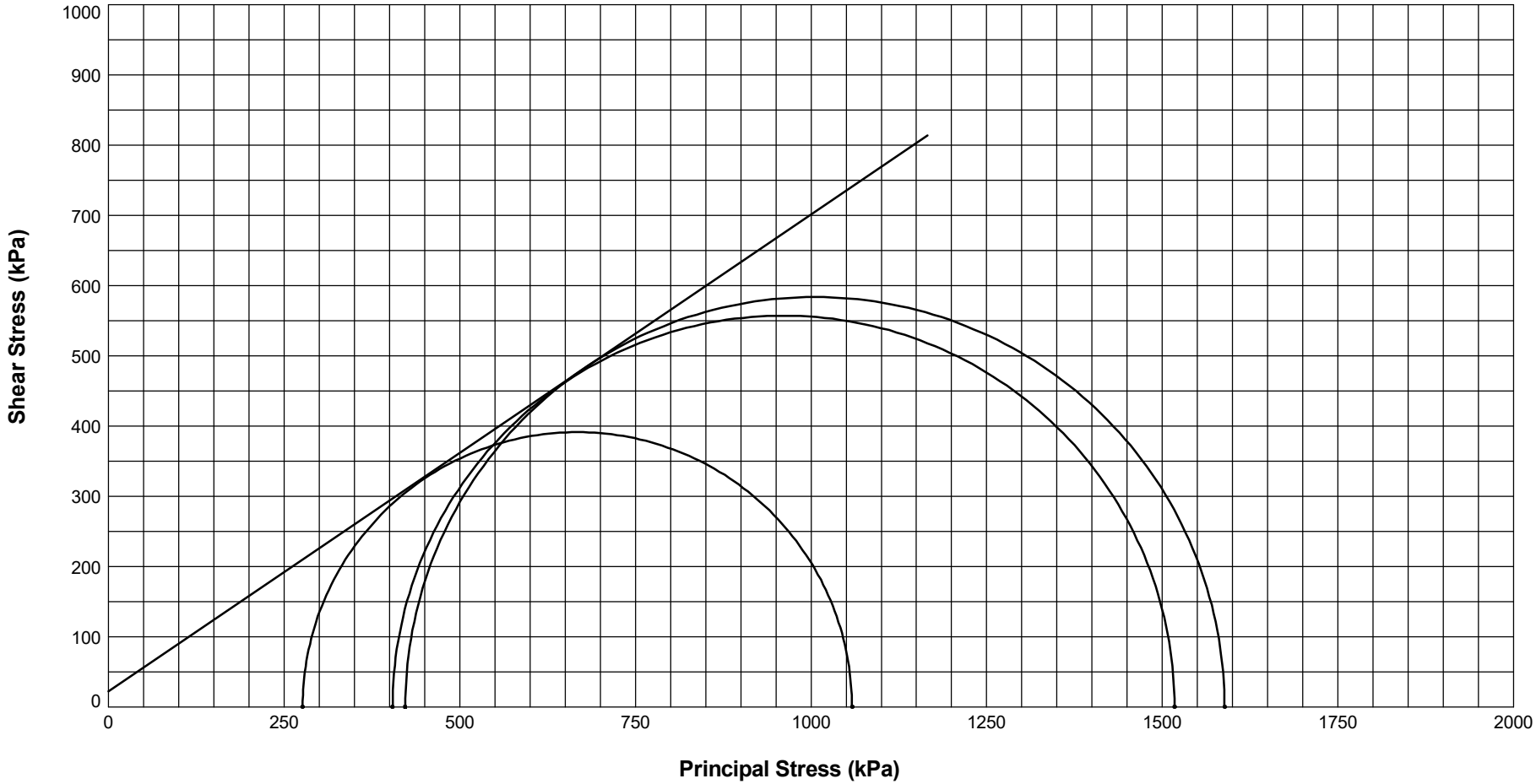
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **3** Sample Type : **C** Depth (m) : **16.45**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **8** Sample Type : **C** Depth (m) : **21.70**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.01**	**50.07**	**50.04**
Initial Height (mm)	**100.15**	**100.17**	**100.16**
Initial Mass (g)	**342.97**	**348.44**	**348.97**
Initial Moisture Content (%)	**11**	**12**	**13**
Initial Bulk Density (Mg/m^3)	**1.74**	**1.77**	**1.77**
Initial Dry Density (Mg/m^3)	**1.57**	**1.57**	**1.57**
Initial B-Value	**0.09**	**0.10**	**0.15**
Final Moisture Content (%)	**26**	**25**	**24**
Final Bulk Density (Mg/m^3)	**1.99**	**1.99**	**2.00**
Final Dry Density (Mg/m^3)	**1.59**	**1.60**	**1.62**
SATURATION			
Duration (days)	**6**	**8**	**6**
Final B-Value	**0.98**	**1.00**	**0.97**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**540**	**740**	**990**
Back Pressure (kPa)	**390**	**440**	**390**
Initial Volume (cm^3)	**196.690**	**197.234**	**196.972**
Final Volume (cm^3)	**194.390**	**198.724**	**191.462**
Change in Volume (cm^3)	**2.300**	**1.490**	**5.510**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**540**	**740**	**990**
Initial Porewater Pressure (kPa)	**394.6**	**446.2**	**395.8**
Strain Rate (mm/min)	**0.01386**	**0.0138**	**0.01378**
Axial Strain at Failure (%)	**12.64**	**12.83**	**14.49**
Time to Failure (h)	**15.2**	**15.4**	**17.4**
Deviator Stress at Failure (kPa)	**648.1**	**973.3**	**1084.7**
Porewater Pressure at Failure (kPa)	**324.1**	**402.3**	**628.2**
Effective Major Principal Stress (kPa)	**863.5**	**1311.0**	**1446.5**
Effective Minor Principal Stress (kPa)	**215.4**	**337.7**	**361.8**
Effective Principal Stress Ratio	**4.01**	**3.88**	**4.00**
Pore Pressure Coefficient - A_f	**-0.11**	**-0.05**	**0.21**

Effective Cohesion (kPa) : **12**	Angle of Shear Resistance (degs) : **35.5**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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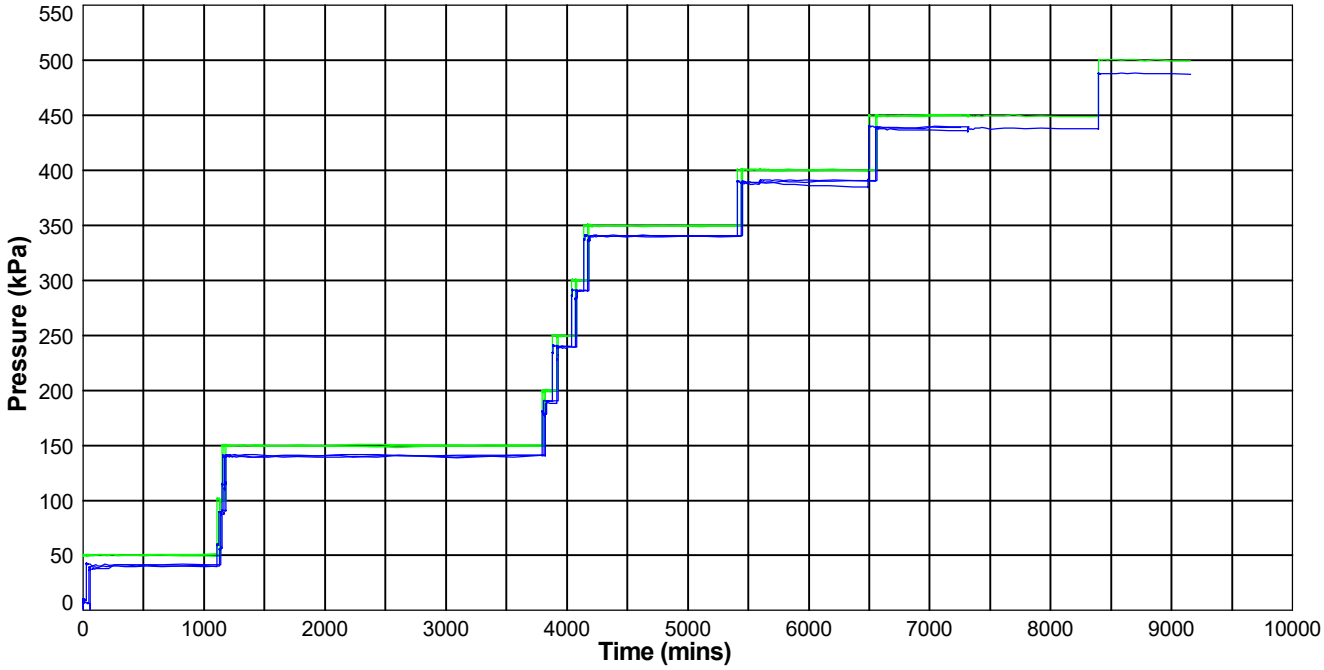
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

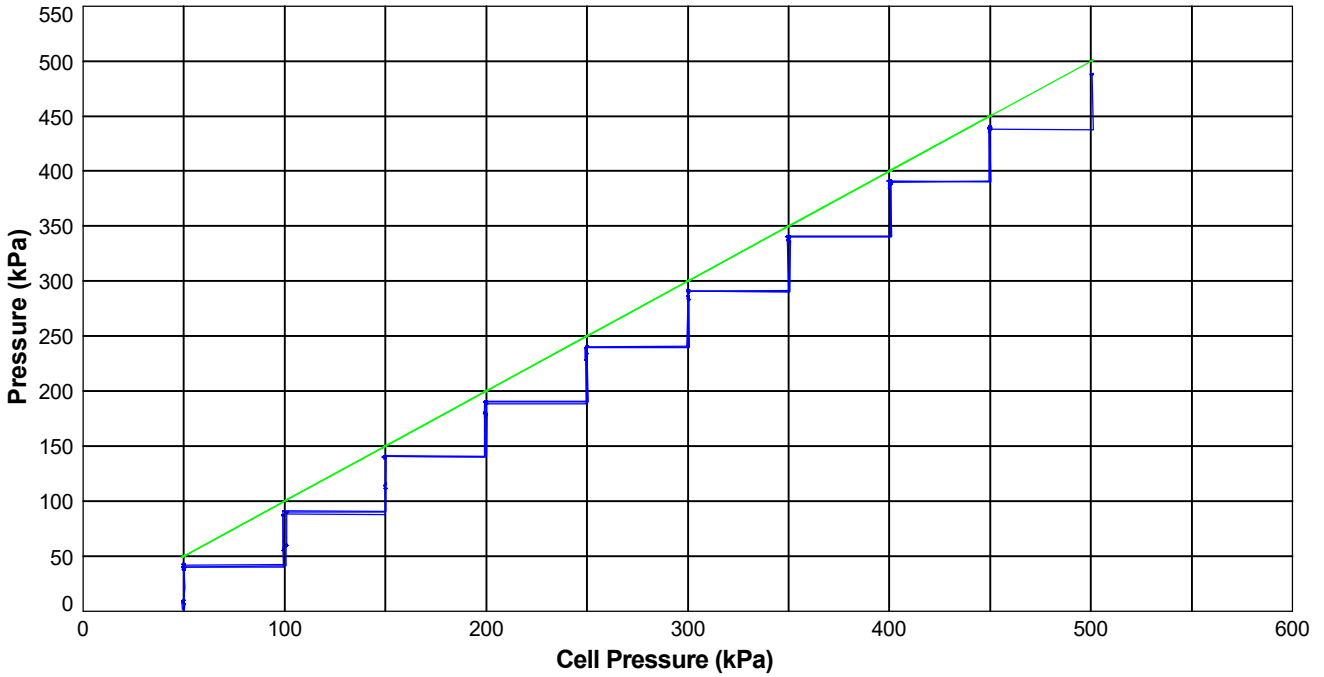
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **8** Sample Type : **C** Depth (m) : **21.70**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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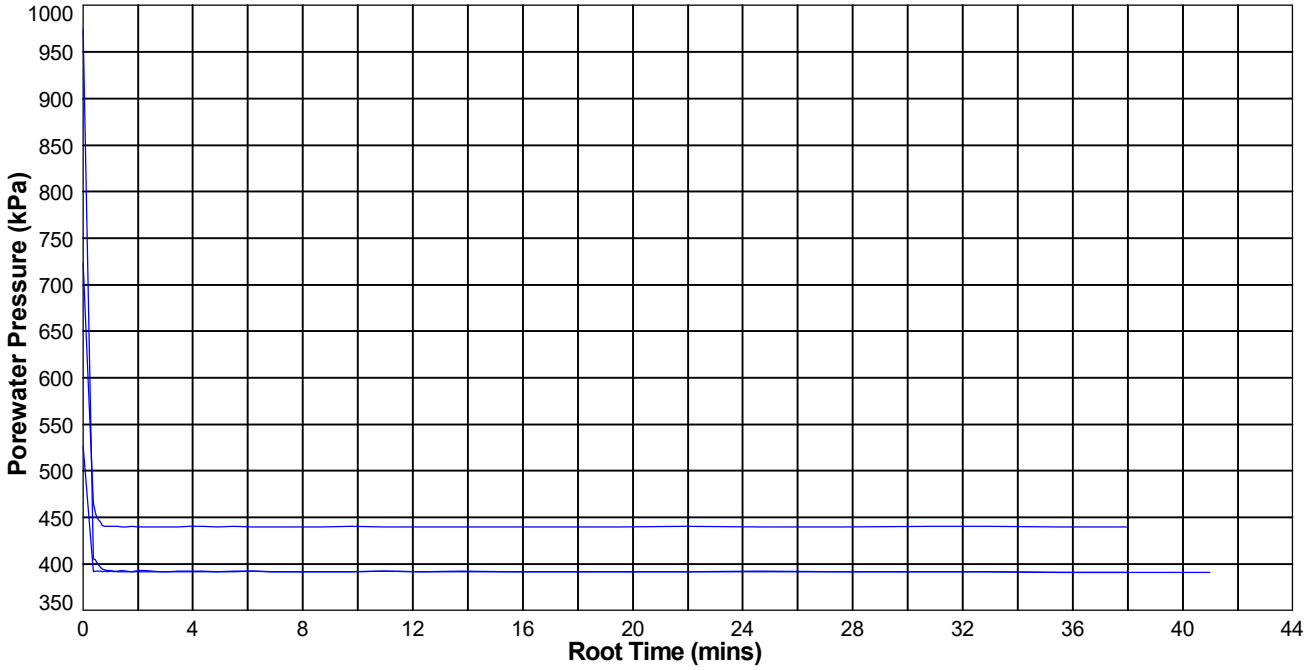
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

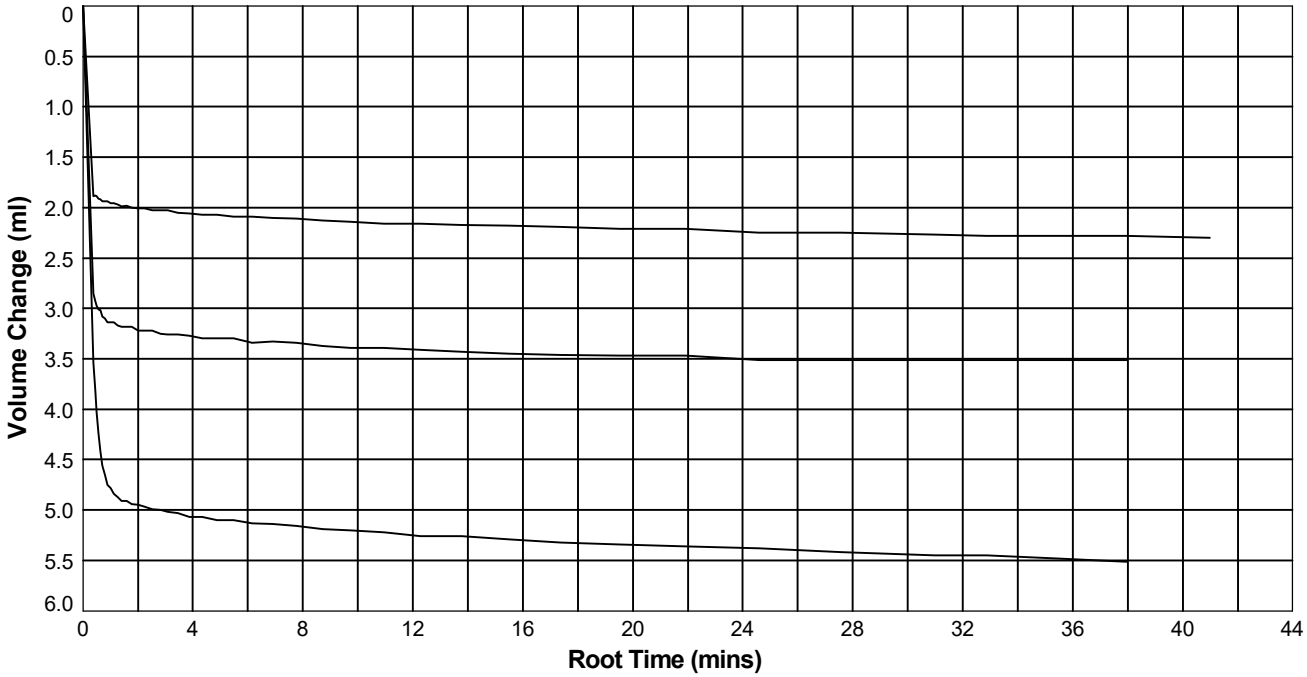
Borehole : **DCBH2019_6** Sample Ref : **8** Sample Type : **C** Depth (m) : **21.70**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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Sizewell C Onshore GI Phase 2 2019

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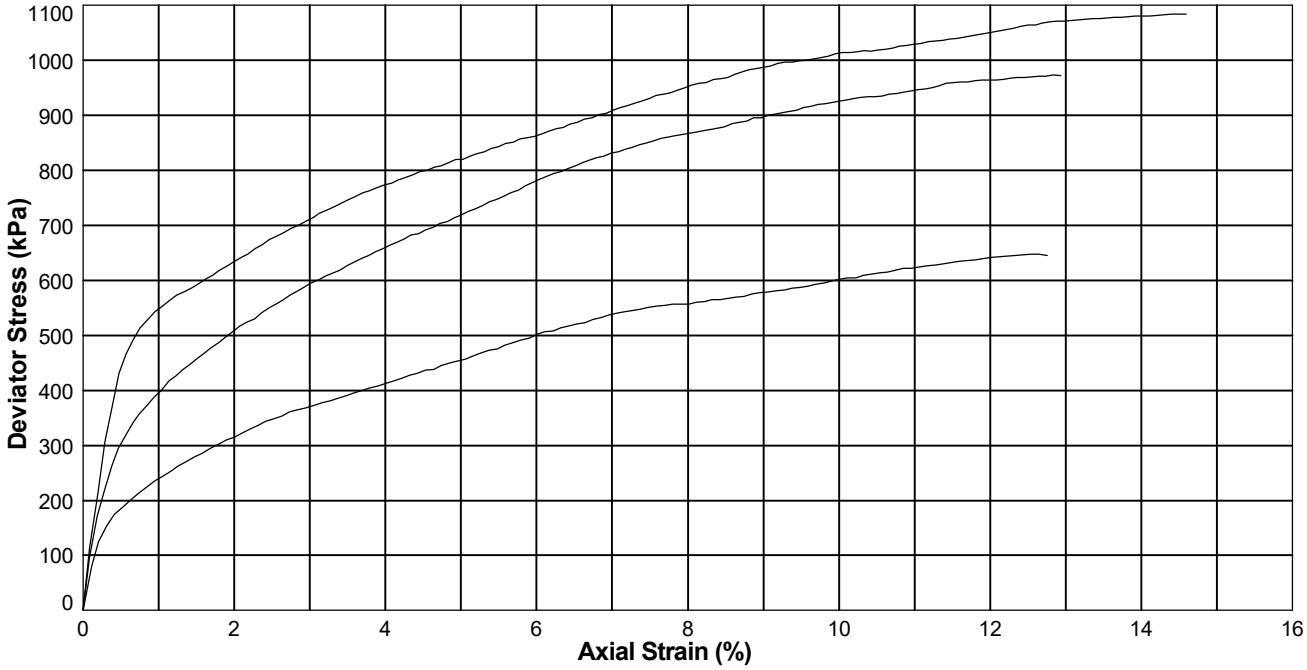
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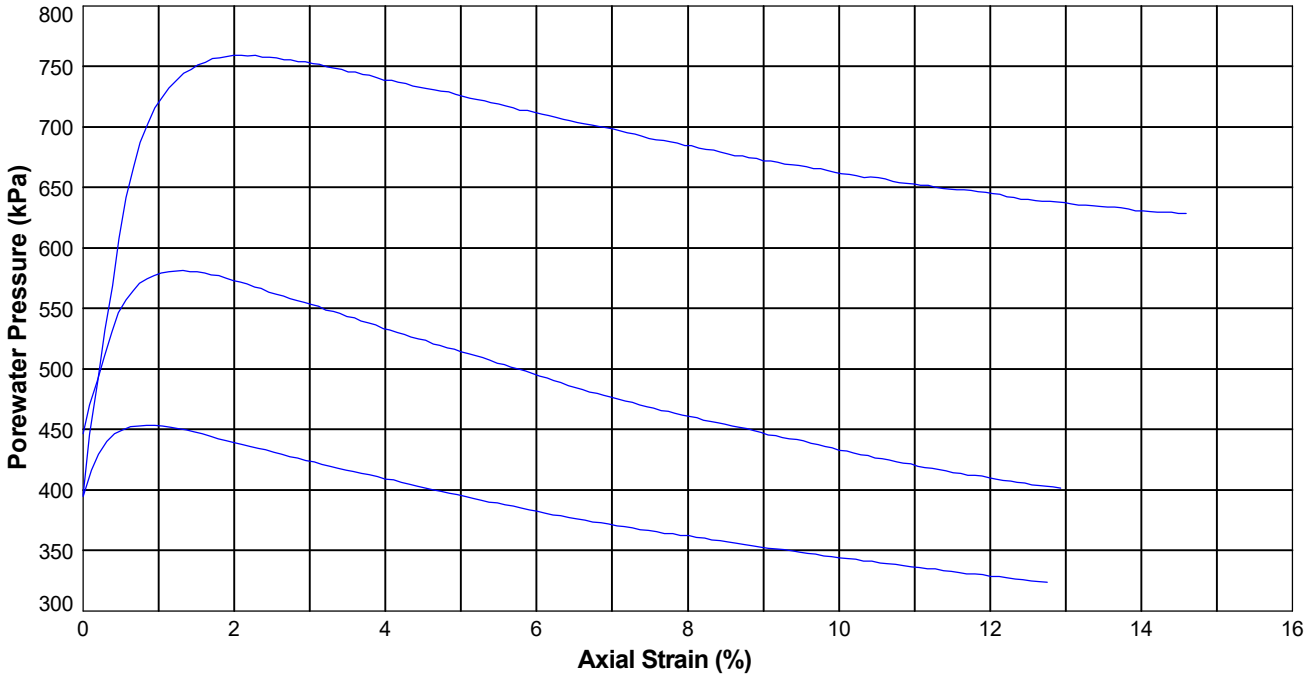
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Borehole : **DCBH2019_6** Sample Ref : **8** Sample Type : **C** Depth (m) : **21.70**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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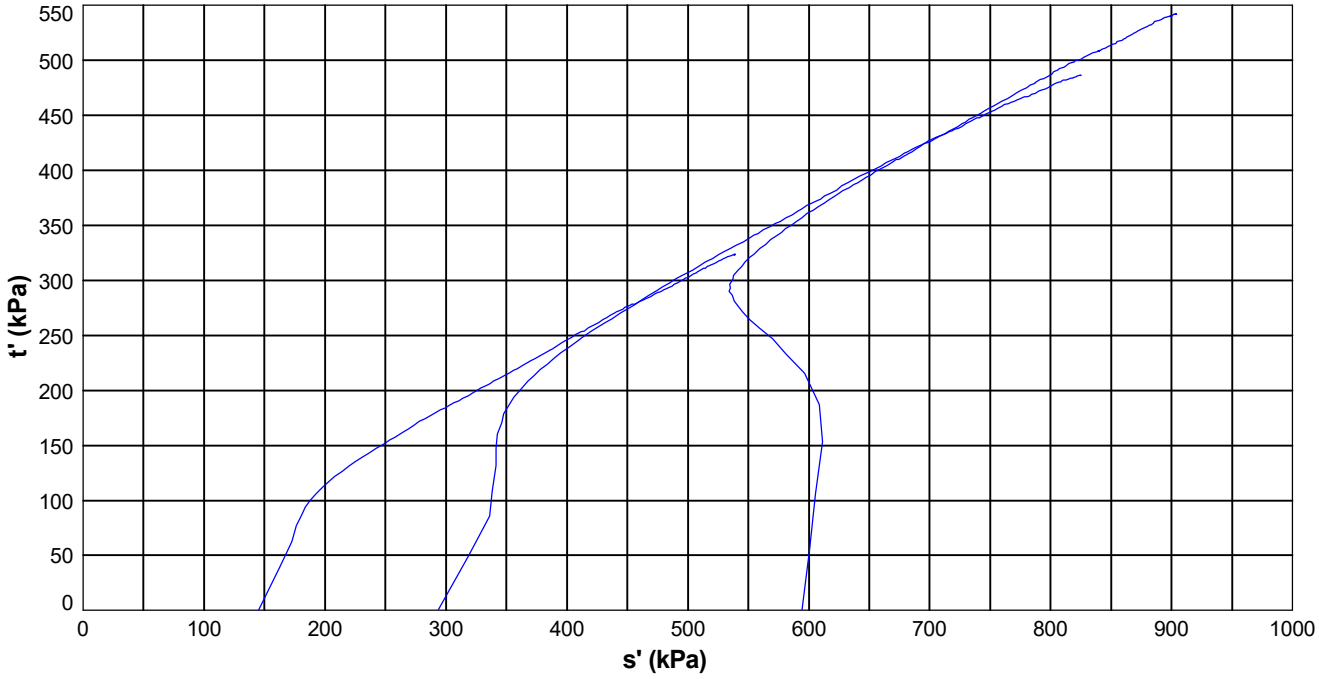
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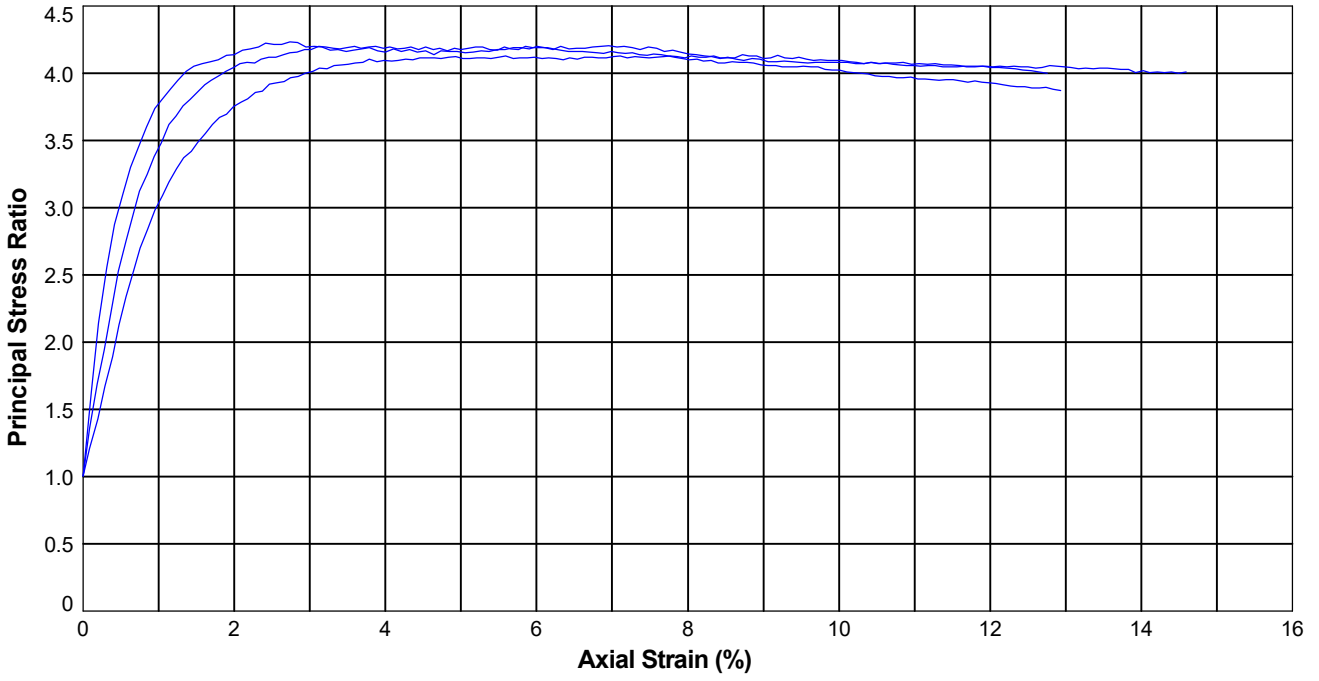
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Borehole : **DCBH2019_6** Sample Ref : **8** Sample Type : **C** Depth (m) : **21.70**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Compiled By	Date
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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

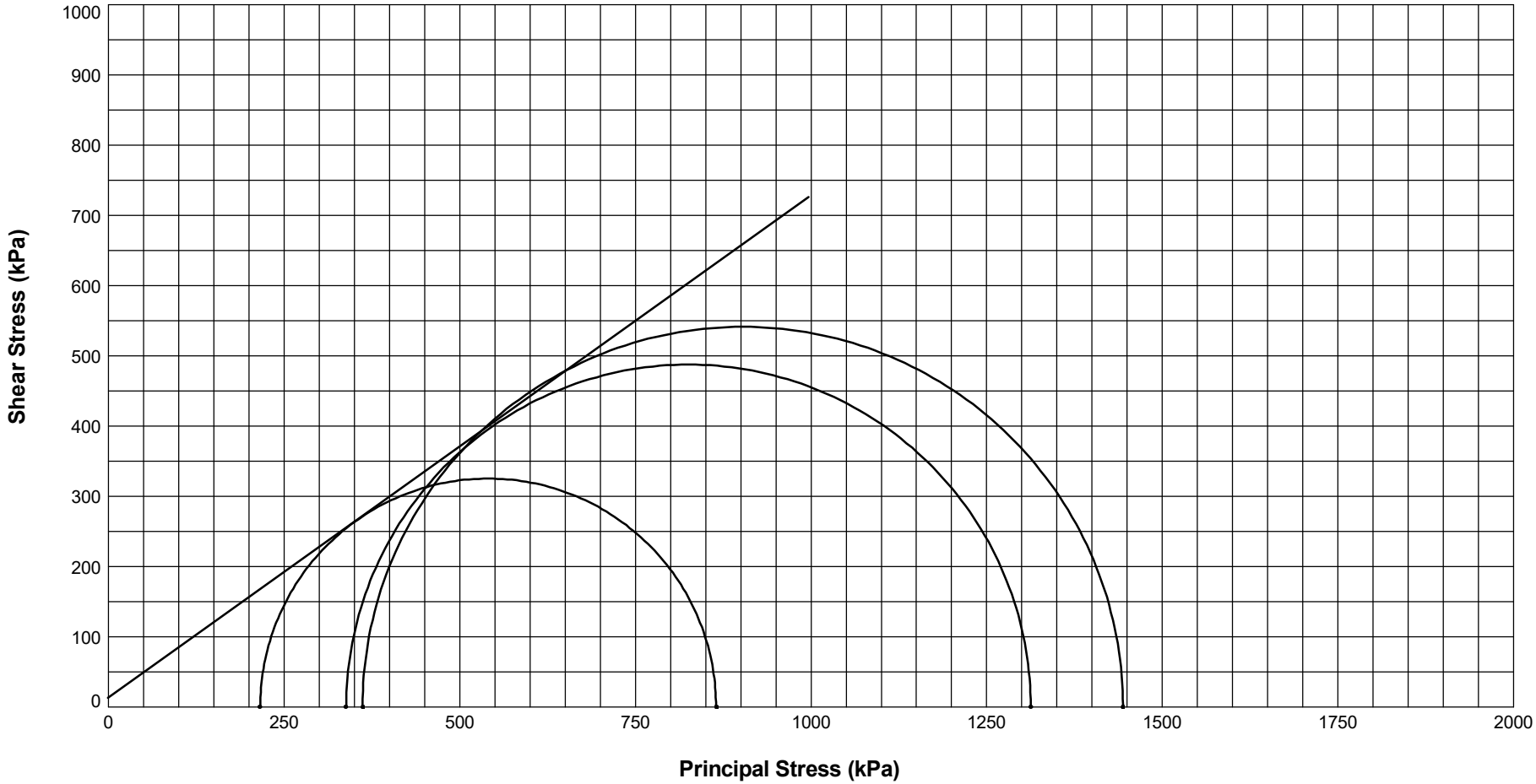
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **8** Sample Type : **C** Depth (m) : **21.70**



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Contra [redacted]	Compiled By	Date	Contract Ref:
	FRANCESCA BENNETT	14.05.20	734318

Sizewell C Onshore GI Phase 2 2019

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **11** Sample Type : **C** Depth (m) : **29.20**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.02**	**50.07**	**50.09**
Initial Height (mm)	**100.15**	**100.16**	**100.17**
Initial Mass (g)	**389.72**	**393.35**	**393.68**
Initial Moisture Content (%)	**15**	**16**	**19**
Initial Bulk Density (Mg/m^3)	**1.98**	**1.99**	**1.99**
Initial Dry Density (Mg/m^3)	**1.73**	**1.71**	**1.67**
Initial B-Value	**0.23**	**0.49**	**0.29**
Final Moisture Content (%)	**20**	**19**	**19**
Final Bulk Density (Mg/m^3)	**2.10**	**2.09**	**2.06**
Final Dry Density (Mg/m^3)	**1.76**	**1.76**	**1.74**
SATURATION			
Duration (days)	**6**	**7**	**9**
Final B-Value	**0.97**	**0.95**	**0.95**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**640**	**890**	**1190**
Back Pressure (kPa)	**440**	**490**	**590**
Initial Volume (cm^3)	**196.815**	**197.182**	**197.359**
Final Volume (cm^3)	**193.545**	**192.132**	**190.179**
Change in Volume (cm^3)	**3.270**	**5.050**	**7.180**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**640**	**890**	**1190**
Initial Porewater Pressure (kPa)	**440.4**	**489.7**	**591.4**
Strain Rate (mm/min)	**0.01383**	**0.01379**	**0.01374**
Axial Strain at Failure (%)	**9.57**	**11.91**	**20.05**
Time to Failure (h)	**11.6**	**14.5**	**24.2**
Deviator Stress at Failure (kPa)	**394.5**	**886.1**	**1534.4**
Porewater Pressure at Failure (kPa)	**504.2**	**539.4**	**555.4**
Effective Major Principal Stress (kPa)	**530.3**	**1236.7**	**2169.0**
Effective Minor Principal Stress (kPa)	**135.8**	**350.6**	**634.6**
Effective Principal Stress Ratio	**3.91**	**3.53**	**3.42**
Pore Pressure Coefficient - A_f	**0.16**	**0.06**	**-0.02**

Effective Cohesion (kPa) : **27** Angle of Shear Resistance (degs) : **32**

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piled By **FRANCESCA BENNETT** Date **29/05/20**

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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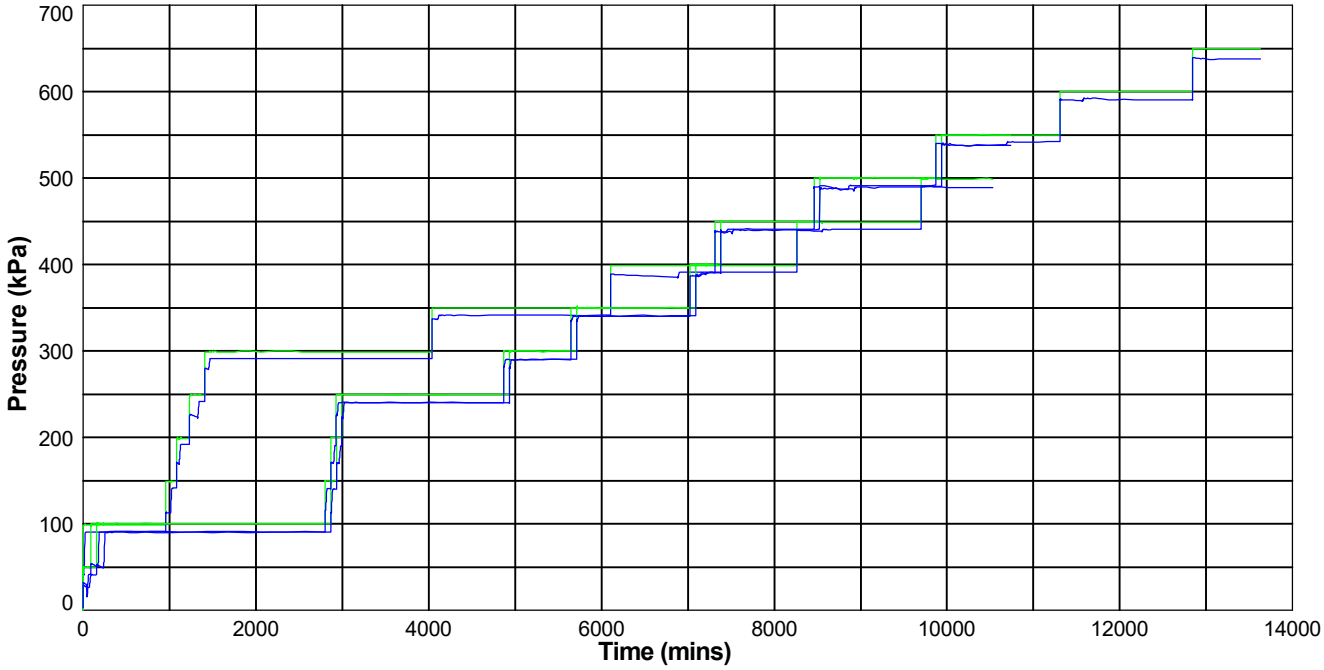
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

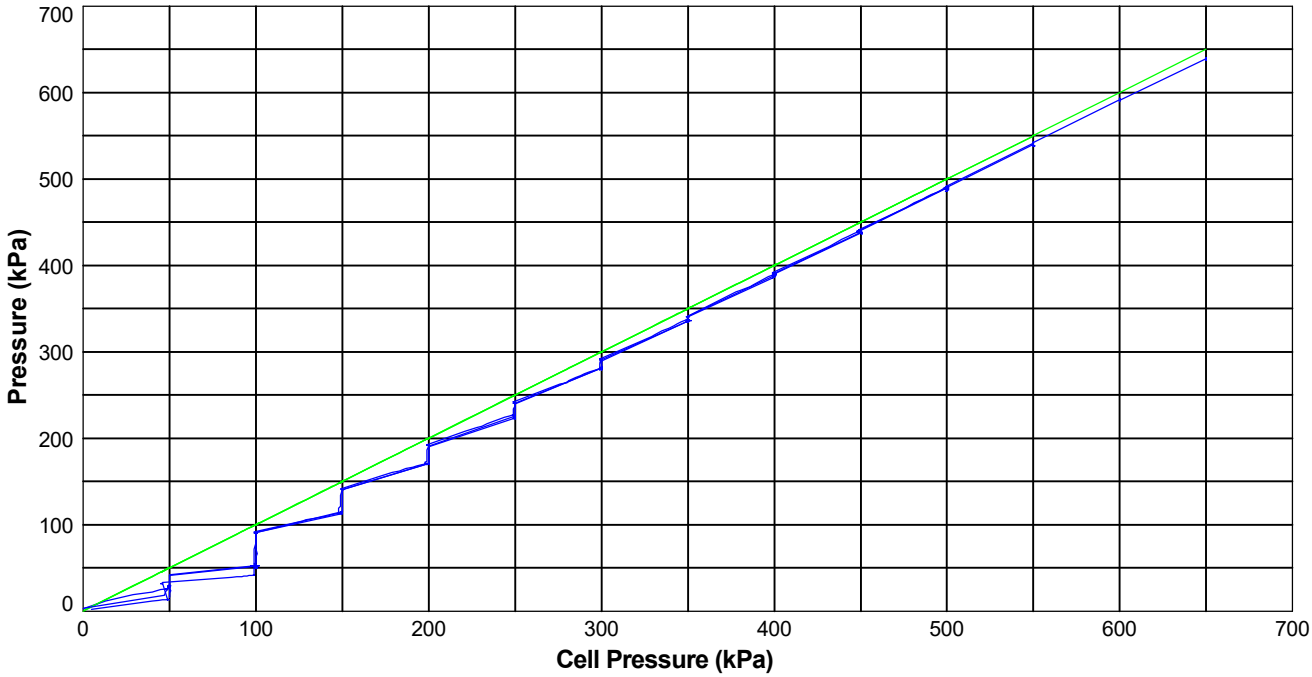
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **11** Sample Type : **C** Depth (m) : **29.20**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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FRANCESCA BENNETT	**29/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

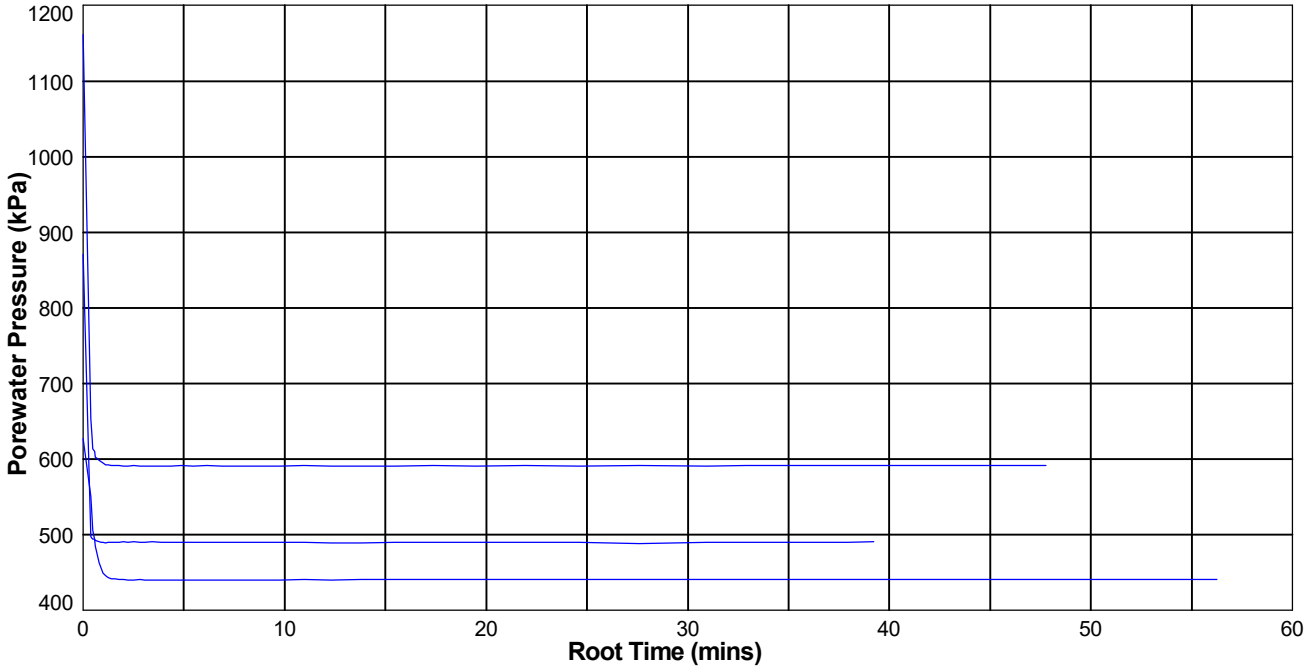
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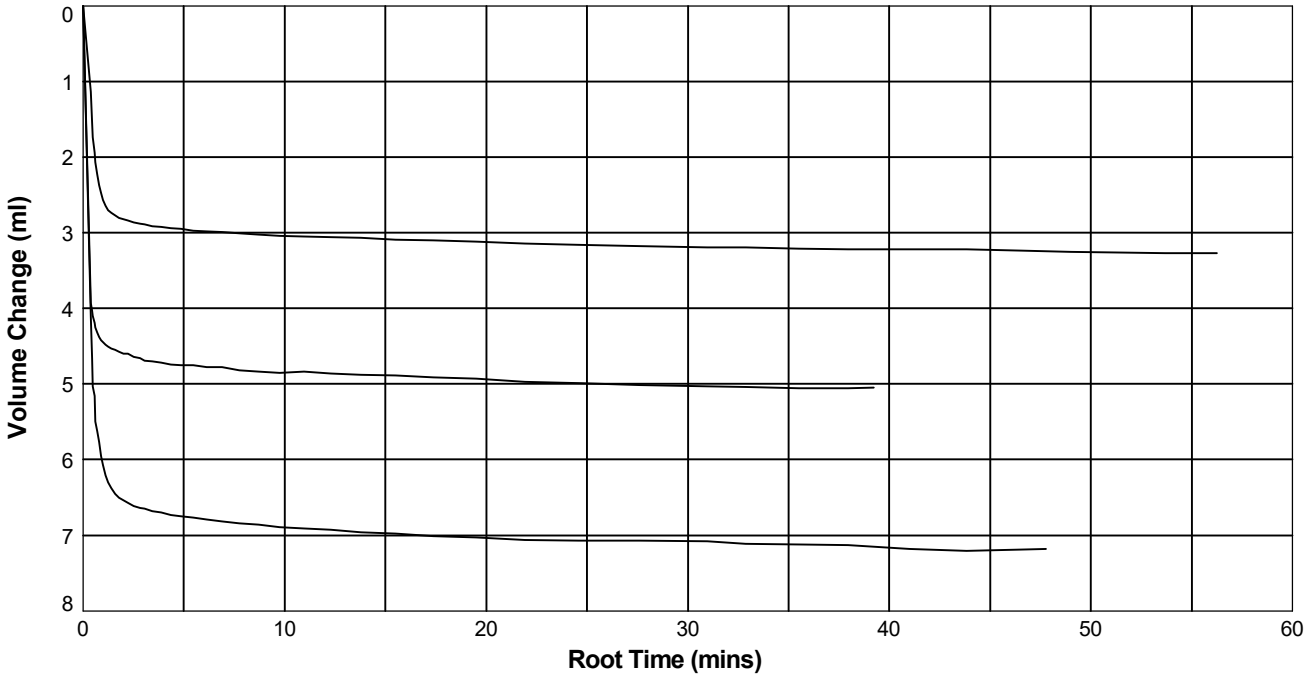
Borehole : **DCBH2019_6** Sample Ref : **11** Sample Type : **C** Depth (m) : **29.20**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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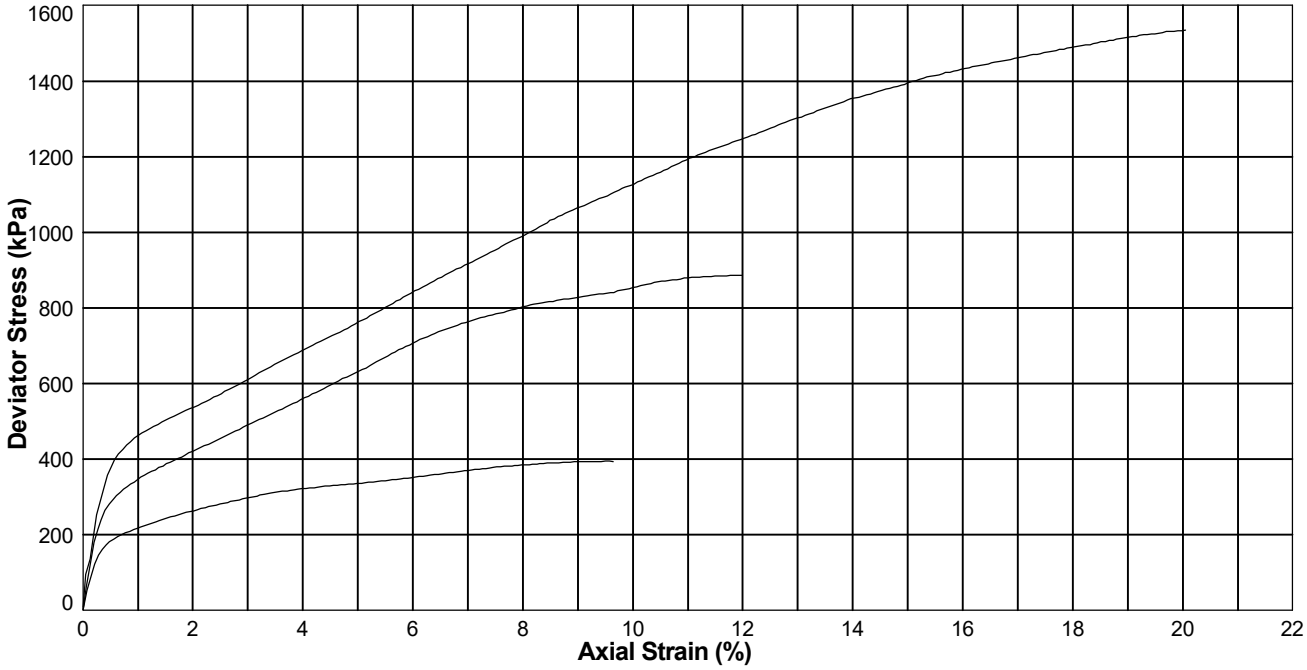
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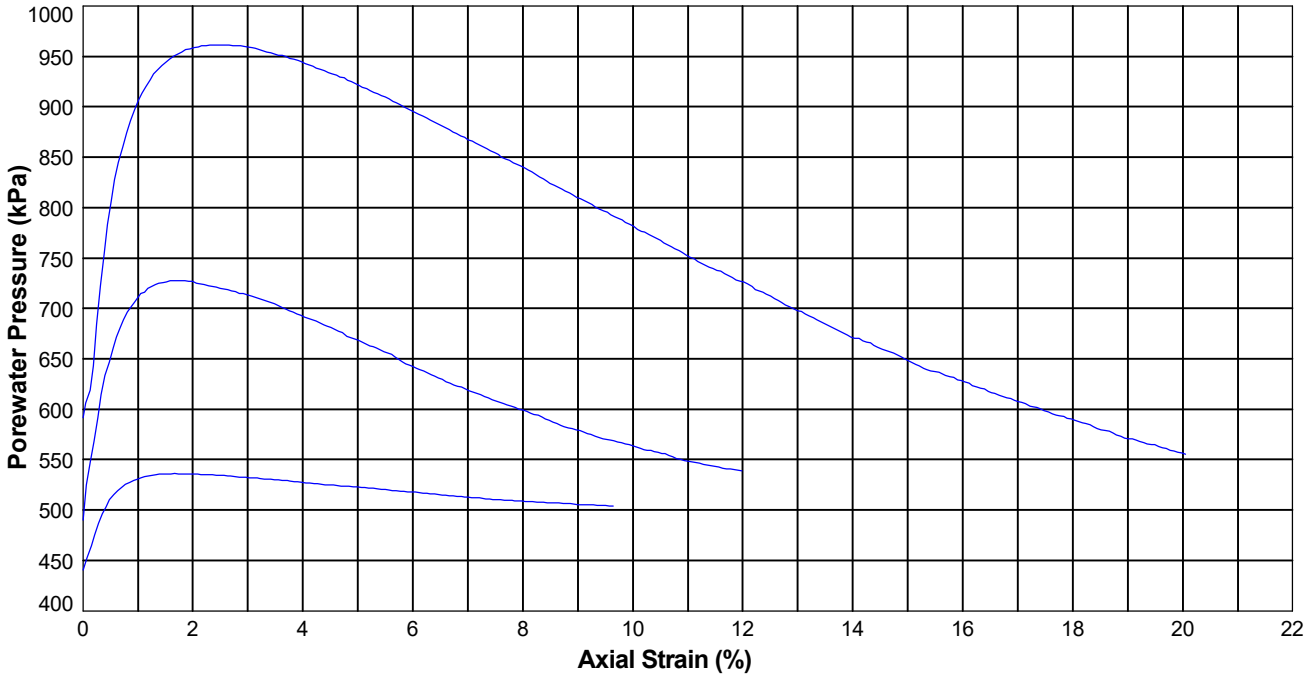
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Borehole : **DCBH2019_6** Sample Ref : **11** Sample Type : **C** Depth (m) : **29.20**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Sizewell C Onshore GI Phase 2 2019

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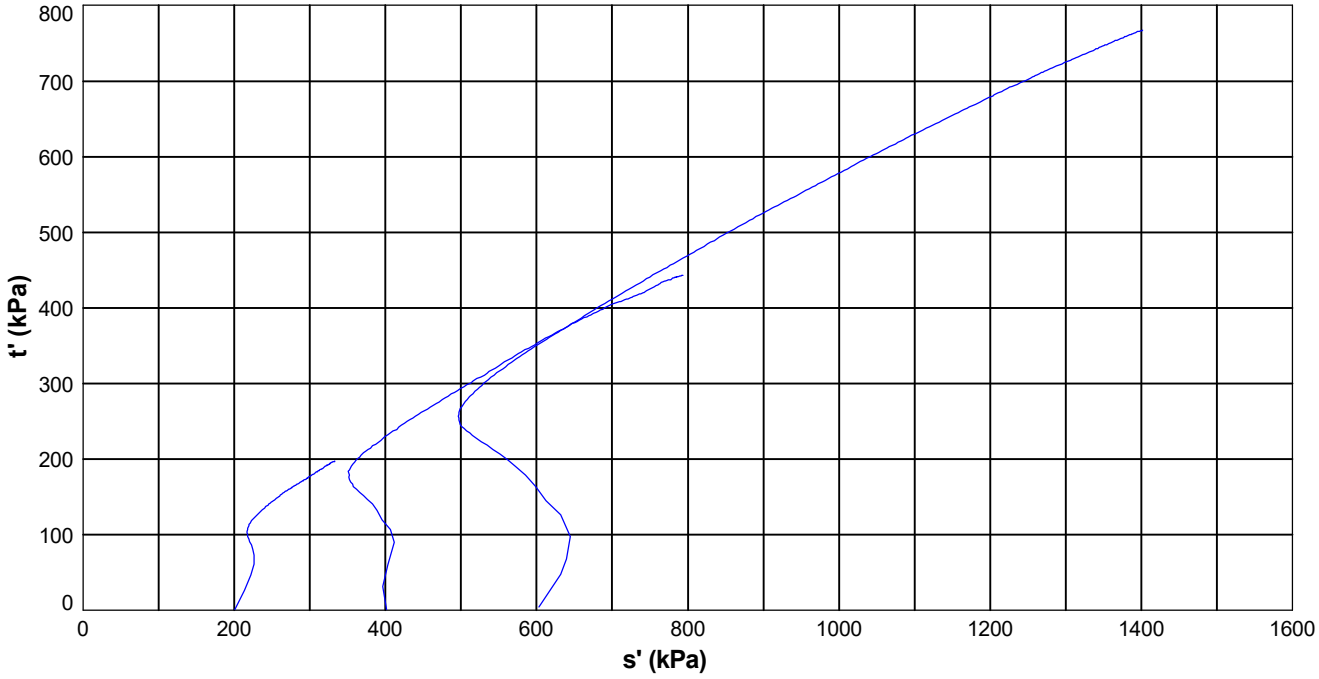
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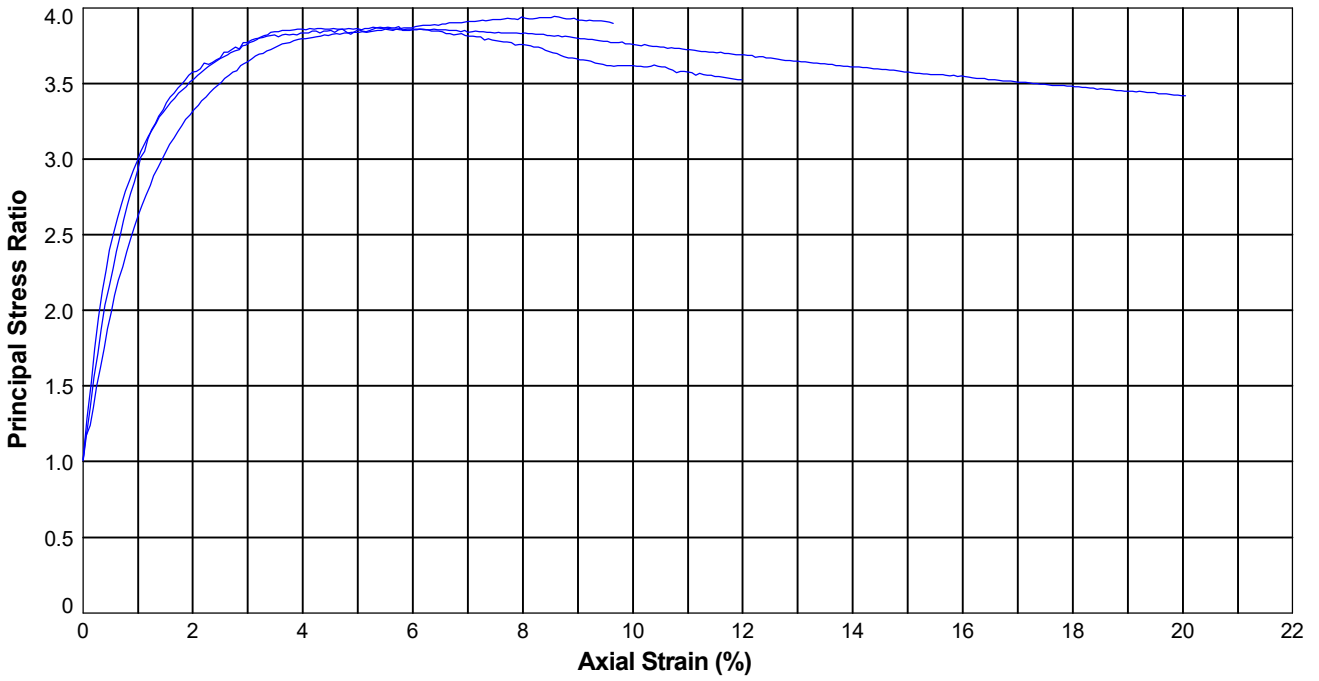
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Borehole : **DCBH2019_6** Sample Ref : **11** Sample Type : **C** Depth (m) : **29.20**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Compiled By	Date
FRANCESCA BENNETT	29/05/20

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

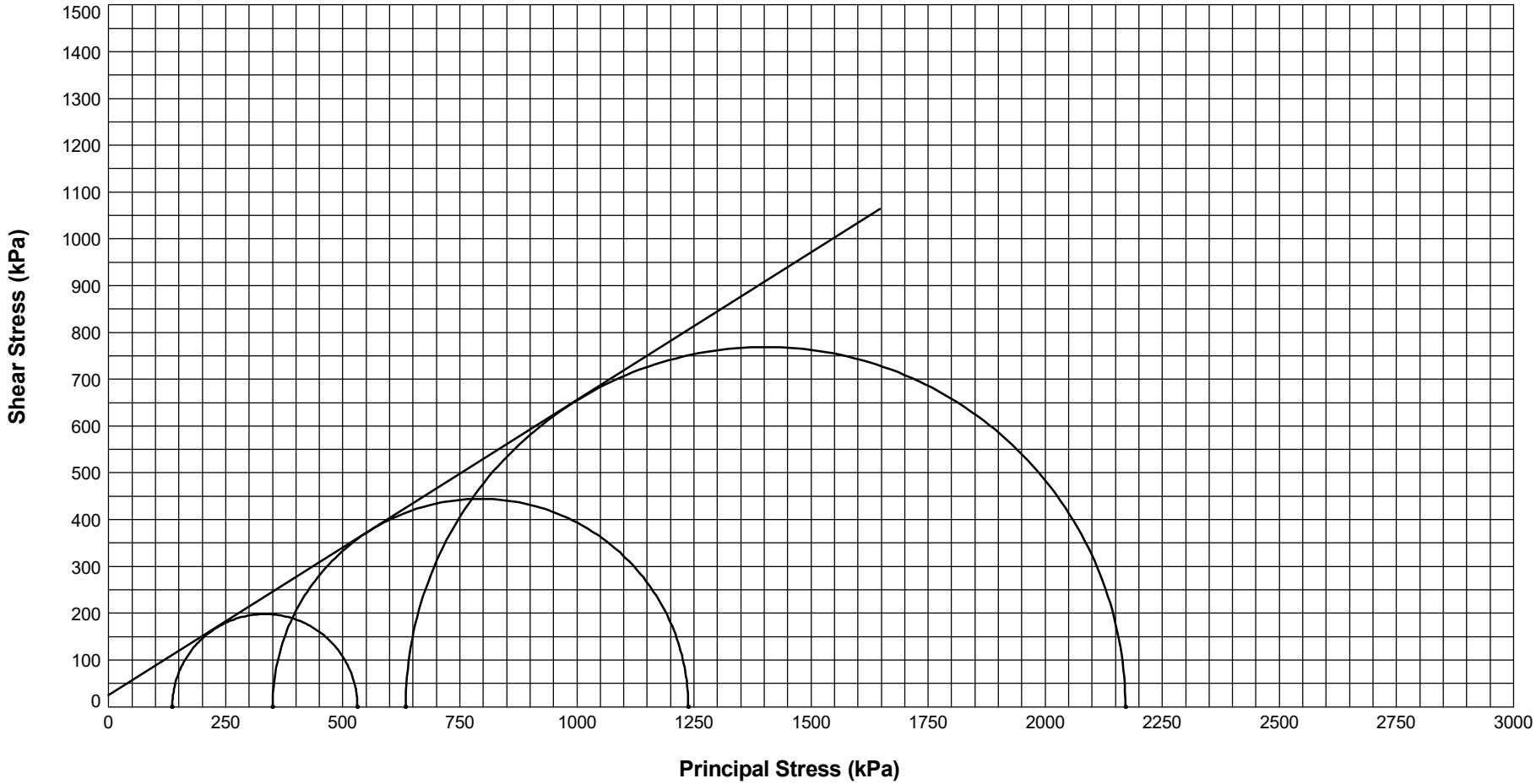
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **11** Sample Type : **C** Depth (m) : **29.20**



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Date: 29.05.20

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **15** Sample Type : **C** Depth (m) : **35.20**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown slightly silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.01**	**50.00**	**49.98**
Initial Height (mm)	**100.23**	**100.13**	**100.19**
Initial Mass (g)	**364.66**	**362.04**	**362.22**
Initial Moisture Content (%)	**14**	**13**	**13**
Initial Bulk Density (Mg/m^3)	**1.85**	**1.84**	**1.84**
Initial Dry Density (Mg/m^3)	**1.63**	**1.64**	**1.63**
Initial B-Value	**0.08**	**0.06**	**0.00**
Final Moisture Content (%)	**24**	**24**	**23**
Final Bulk Density (Mg/m^3)	**2.05**	**2.02**	**2.06**
Final Dry Density (Mg/m^3)	**1.66**	**1.64**	**1.67**
SATURATION			
Duration (days)	**6**	**6**	**7**
Final B-Value	**0.96**	**0.96**	**95.00**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**690**	**890**	**1190**
Back Pressure (kPa)	**440**	**440**	**490**
Initial Volume (cm^3)	**196.886**	**196.598**	**196.526**
Final Volume (cm^3)	**193.652**	**196.598**	**191.948**
Change in Volume (cm^3)	**3.234**	**0.000**	**4.578**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**690**	**890**	**1190**
Initial Porewater Pressure (kPa)	**440.5**	**440.9**	**489.4**
Strain Rate (mm/min)	**0.01384**	**0.01381**	**0.01381**
Axial Strain at Failure (%)	**16.16**	**15.75**	**12.88**
Time to Failure (h)	**19.6**	**19.3**	**15.5**
Deviator Stress at Failure (kPa)	**1189.2**	**1459.5**	**1644.0**
Porewater Pressure at Failure (kPa)	**219**	**360.2**	**590.5**
Effective Major Principal Stress (kPa)	**1660.2**	**1990.3**	**2243.5**
Effective Minor Principal Stress (kPa)	**471.0**	**530.8**	**599.5**
Effective Principal Stress Ratio	**3.53**	**3.75**	**3.74**
Pore Pressure Coefficient - A_f	**-0.19**	**-0.06**	**0.06**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **35**

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Contract **Sizewell C Onshore GI Phase 2 2019**

Job No **734318**

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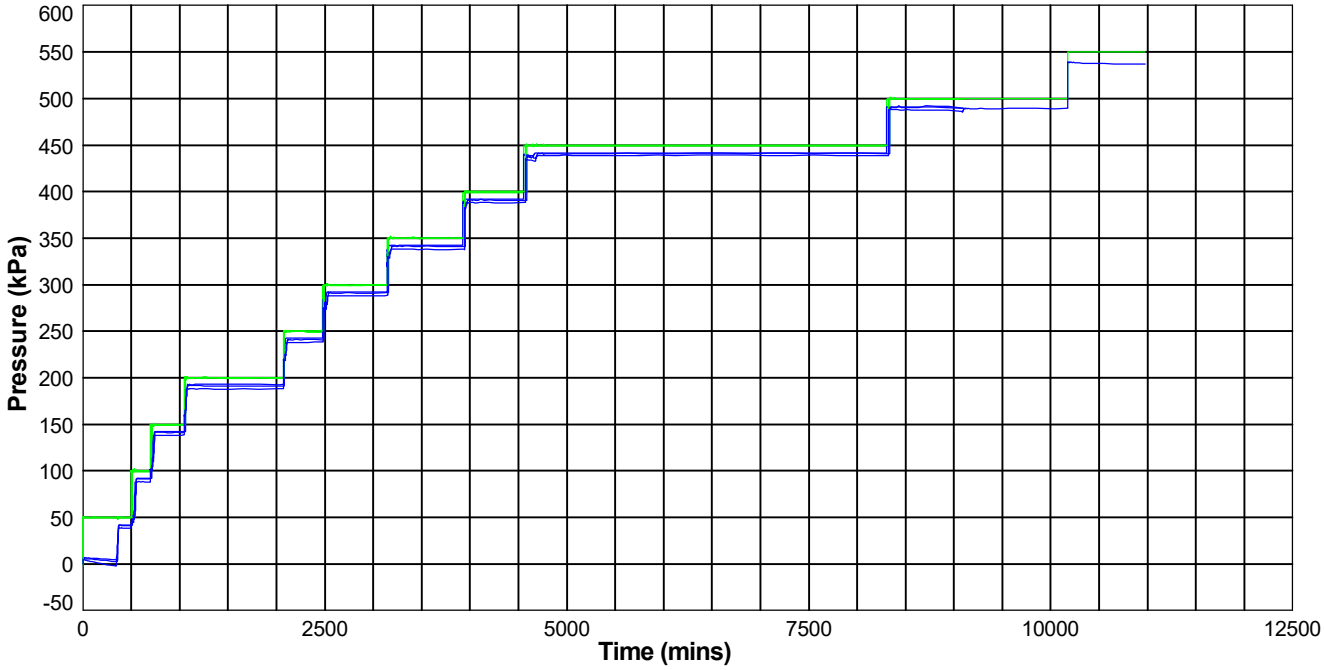
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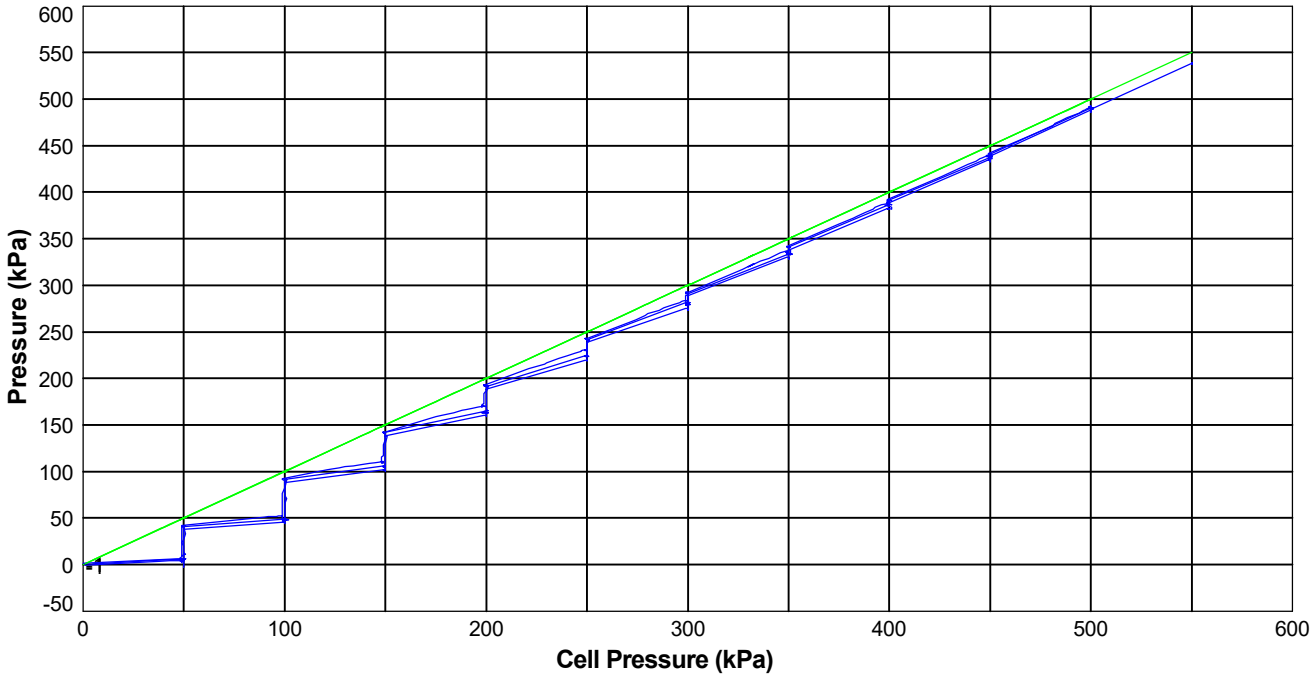
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Borehole : **DCBH2019_6** Sample Ref : **15** Sample Type : **C** Depth (m) : **35.20**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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	DAISY RICHARDS	**29/05/20**
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Sizewell C Onshore GI Phase 2 2019	**734318**	

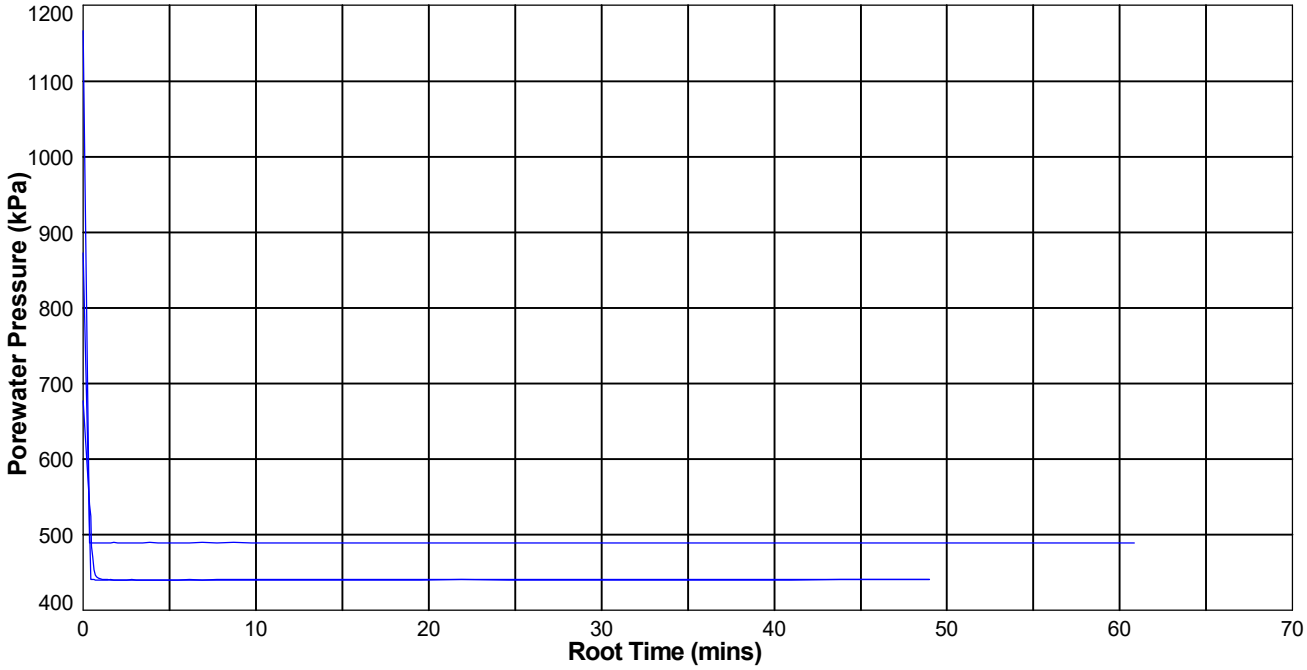
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

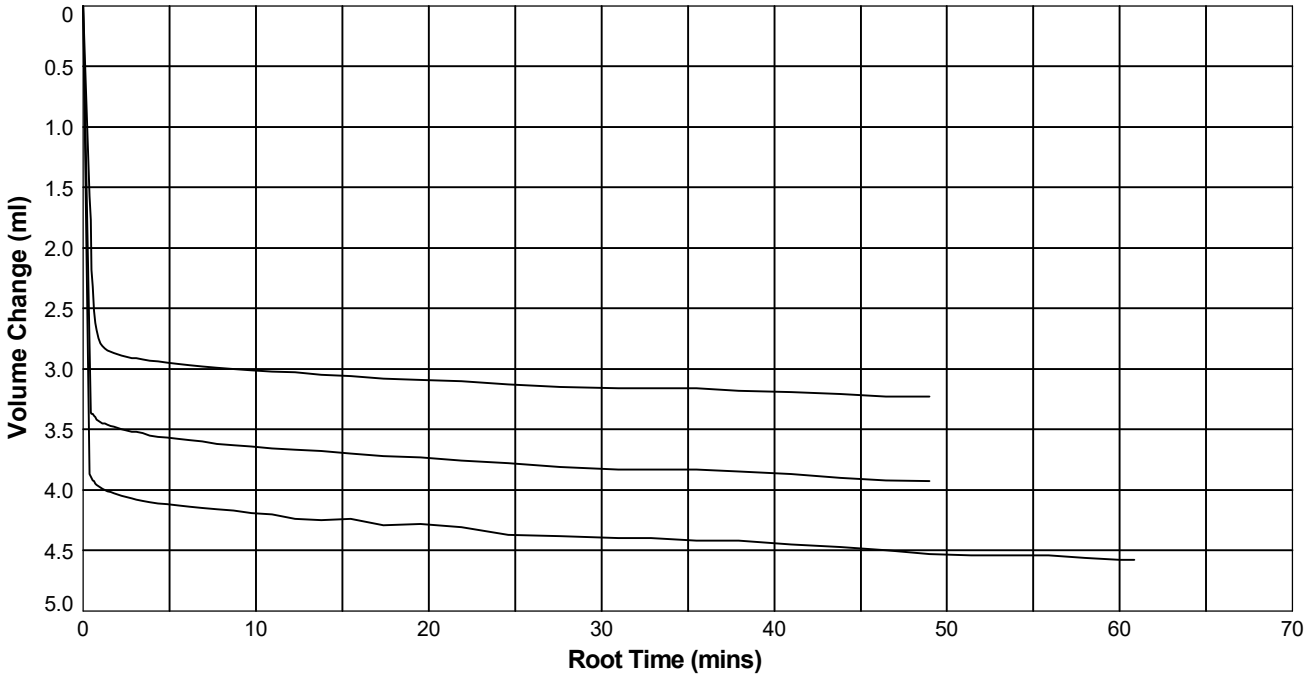
Borehole : **DCBH2019_6** Sample Ref : **15** Sample Type : **C** Depth (m) : **35.20**

CONSOLIDATION STAGE



Key: Base:

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Contract Ref:

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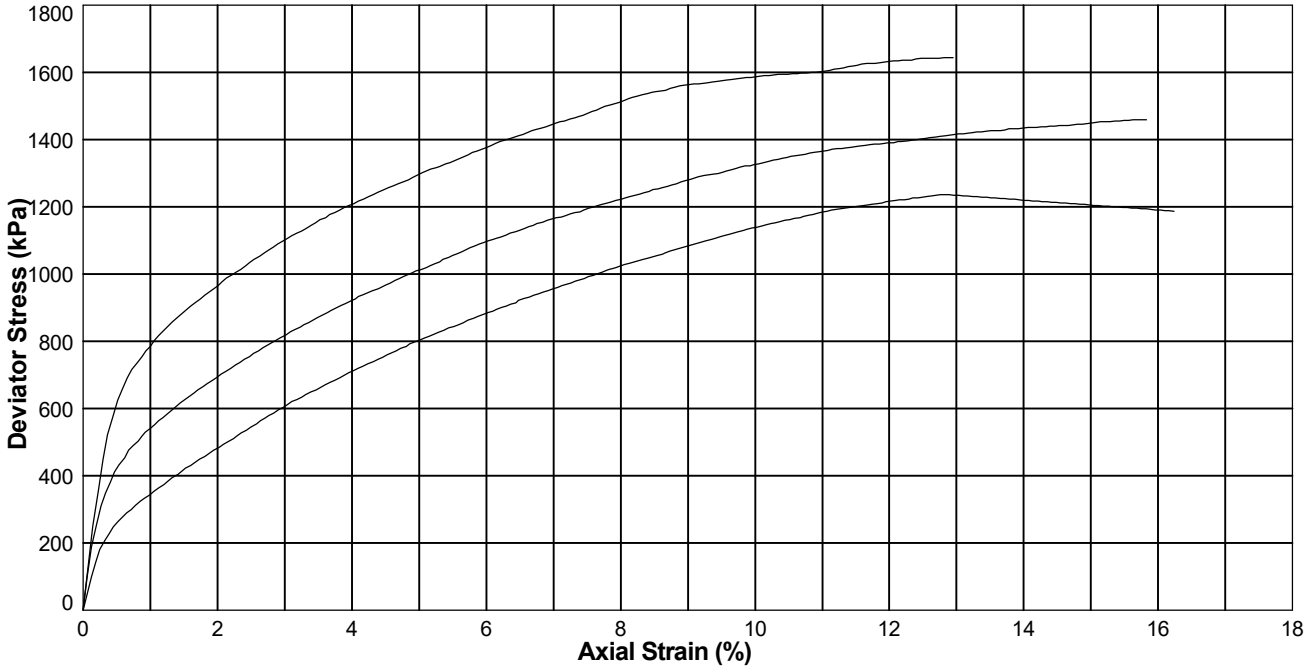
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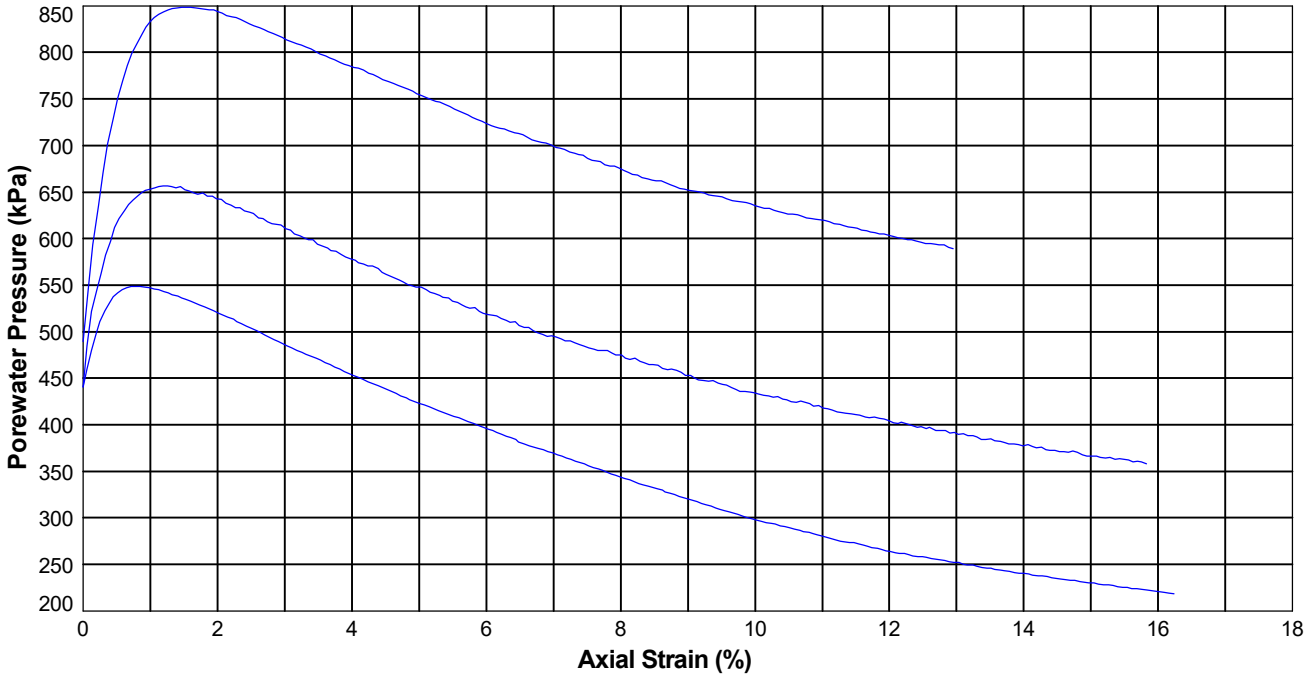
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Borehole : **DCBH2019_6** Sample Ref : **15** Sample Type : **C** Depth (m) : **35.20**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Contract Ref: **734318**

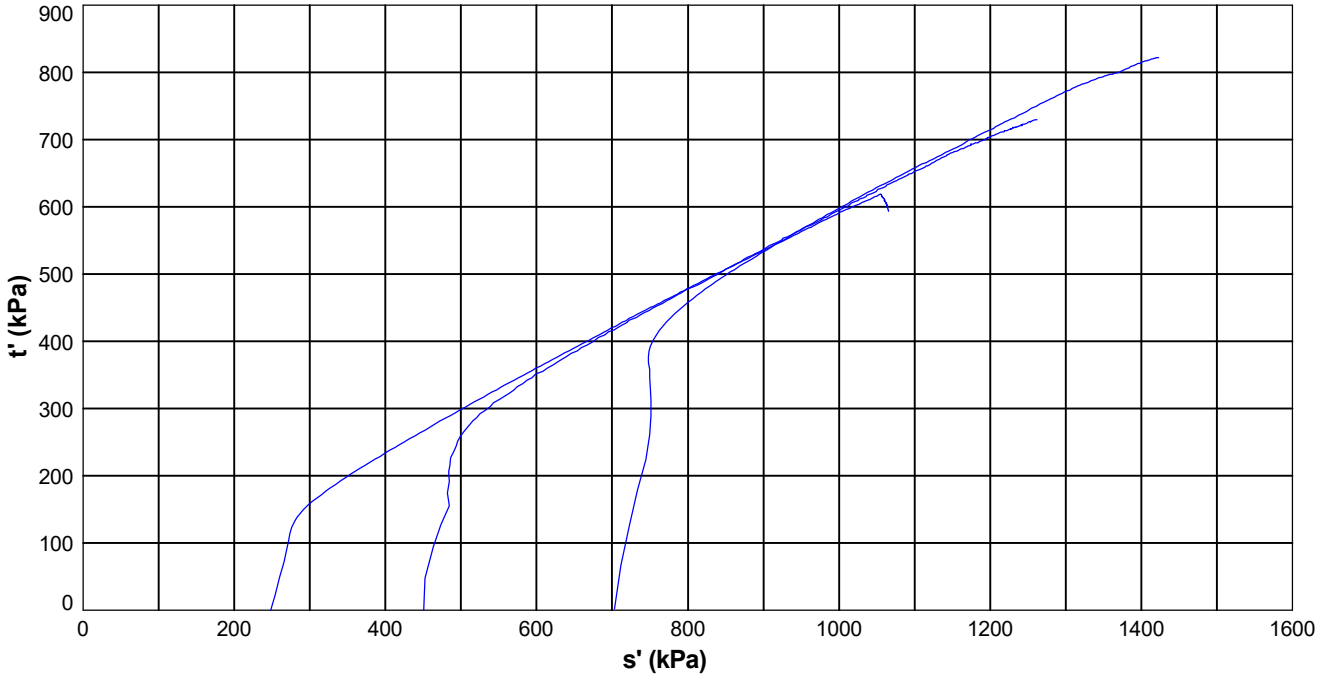
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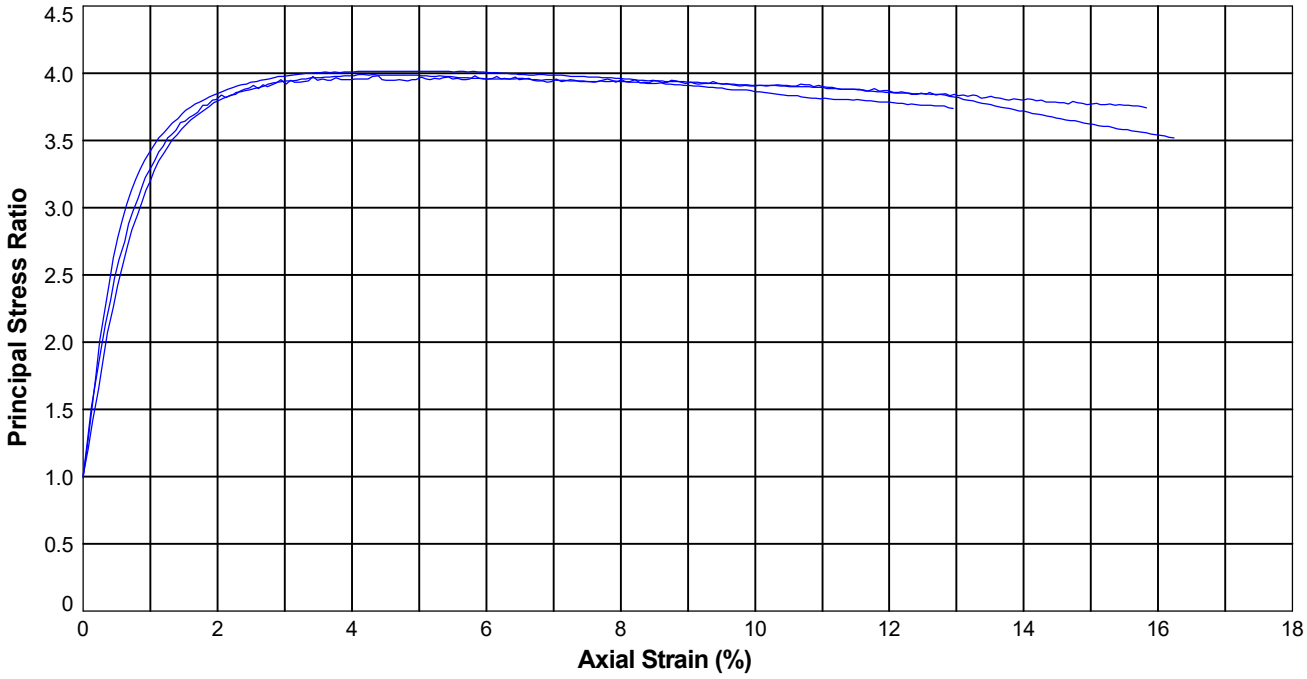
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Borehole : **DCBH2019_6** Sample Ref : **15** Sample Type : **C** Depth (m) : **35.20**

SHEAR STAGE



SHEAR STAGE



Key: Base:

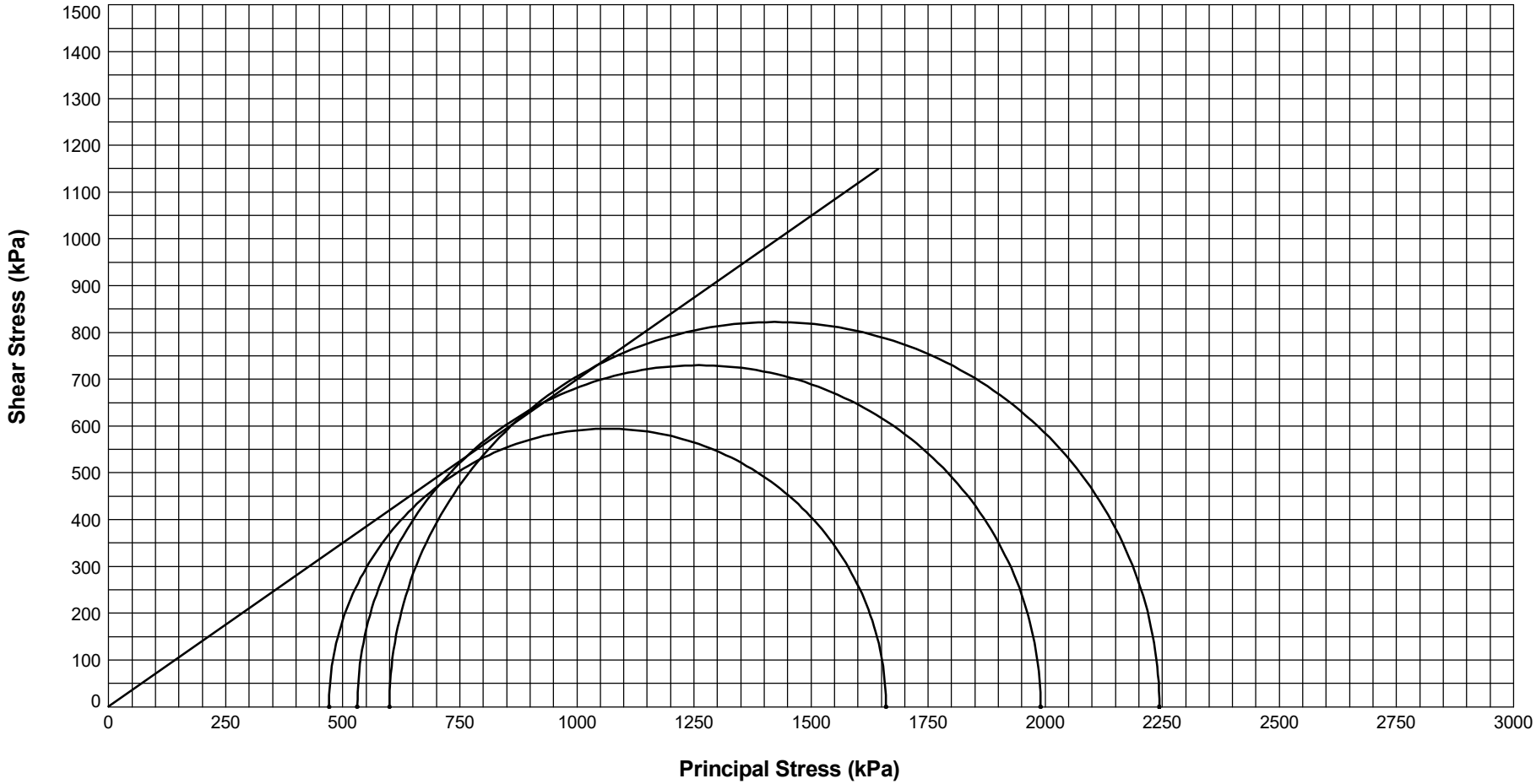
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	DAISY RICHARDS	**29/05/20**
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **15** Sample Type : **C** Depth (m) : **35.20**



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Compiled By	Date	Contract Ref:
[redacted] DAISY RICHARDS	29.05.20	734318

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **18** Sample Type : **C** Depth (m) : **47.44**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Greyish brown slightly gravelly CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.94**	**38.01**	**37.99**
Initial Height (mm)	**75.71**	**75.83**	**75.81**
Initial Mass (g)	**157.27**	**158.35**	**158.48**
Initial Moisture Content (%)	**42**	**43**	**41**
Initial Bulk Density (Mg/m^3)	**1.84**	**1.84**	**1.84**
Initial Dry Density (Mg/m^3)	**1.29**	**1.29**	**1.31**
Initial B-Value	**0.55**	**0.65**	**0.37**
Final Moisture Content (%)	**37**	**35**	**34**
Final Bulk Density (Mg/m^3)	**1.99**	**2.07**	**2.06**
Final Dry Density (Mg/m^3)	**1.46**	**1.52**	**1.54**
SATURATION			
Duration (days)	**4**	**3**	**4**
Final B-Value	**0.97**	**1.00**	**0.95**
CONSOLIDATION			
Duration (days)	**1**	**1**	**2**
Cell Pressure (kPa)	**789**	**940**	**1190**
Back Pressure (kPa)	**390**	**340**	**391**
Initial Volume (cm^3)	**85.608**	**86.023**	**85.924**
Final Volume (cm^3)	**75.858**	**72.793**	**72.664**
Change in Volume (cm^3)	**9.750**	**13.230**	**13.260**
COMPRESSION			
Duration (days)	**2**	**3**	**4**
Cell Pressure (kPa)	**789**	**941**	**1190**
Initial Porewater Pressure (kPa)	**402.7**	**343.9**	**407.4**
Strain Rate (mm/min)	**0.004046**	**0.002498**	**0.001998**
Axial Strain at Failure (%)	**8.72**	**8.90**	**7.96**
Time to Failure (h)	**26.2**	**42.7**	**47.7**
Deviator Stress at Failure (kPa)	**379.5**	**536.5**	**679.4**
Porewater Pressure at Failure (kPa)	**599.5**	**637.4**	**807.4**
Effective Major Principal Stress (kPa)	**569.3**	**840.2**	**1061.7**
Effective Minor Principal Stress (kPa)	**189.8**	**303.7**	**382.3**
Effective Principal Stress Ratio	**3.00**	**2.77**	**2.78**
Pore Pressure Coefficient - A_f	**0.52**	**0.55**	**0.59**

Effective Cohesion (kPa) : **14** Angle of Shear Resistance (degs) : **27**

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Sizewell C Onshore GI Phase 2 2019 Job No **734318**

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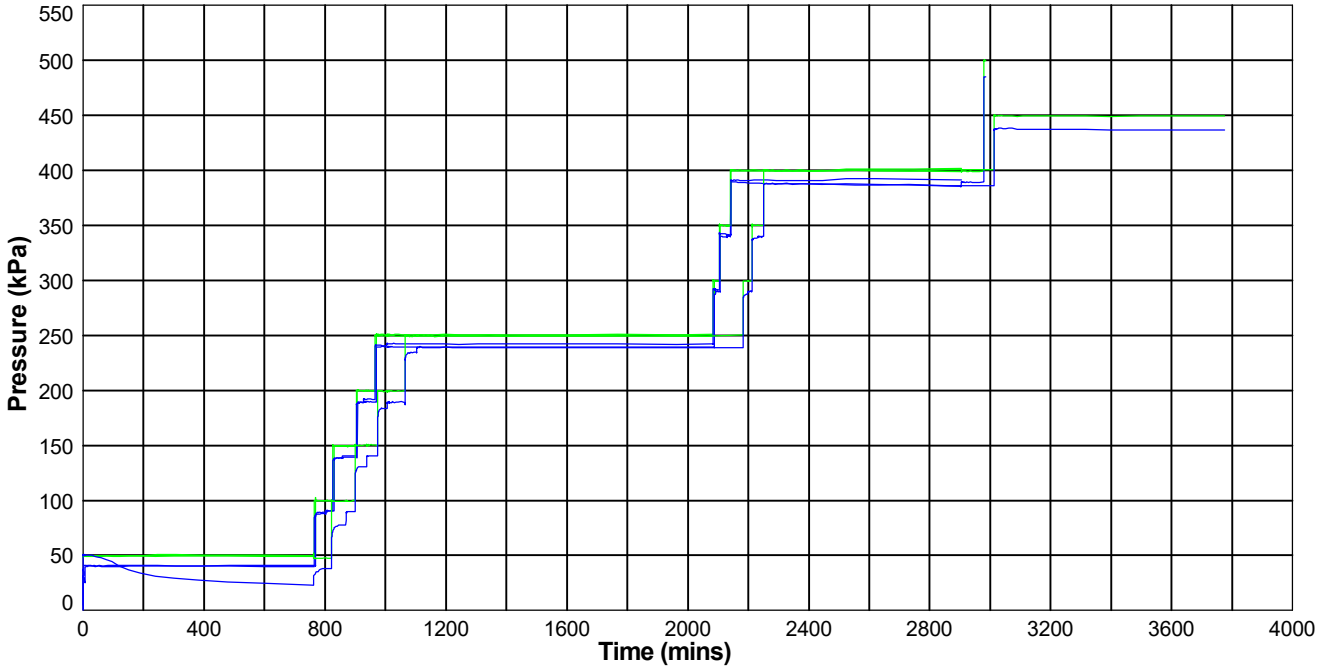
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

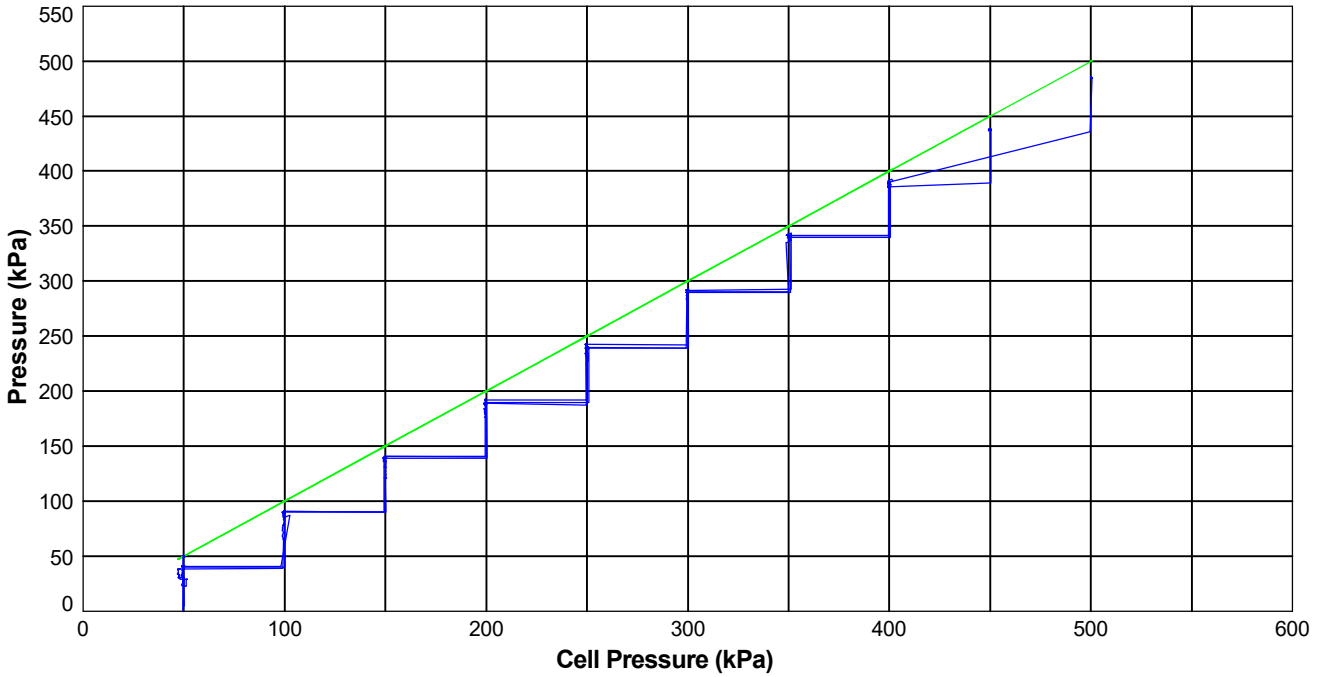
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Borehole : **DCBH2019_6** Sample Ref : **18** Sample Type : **C** Depth (m) : **47.44**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Date: 12/05/20

Contract Ref: 734318

Sizewell C Onshore GI Phase 2 2019

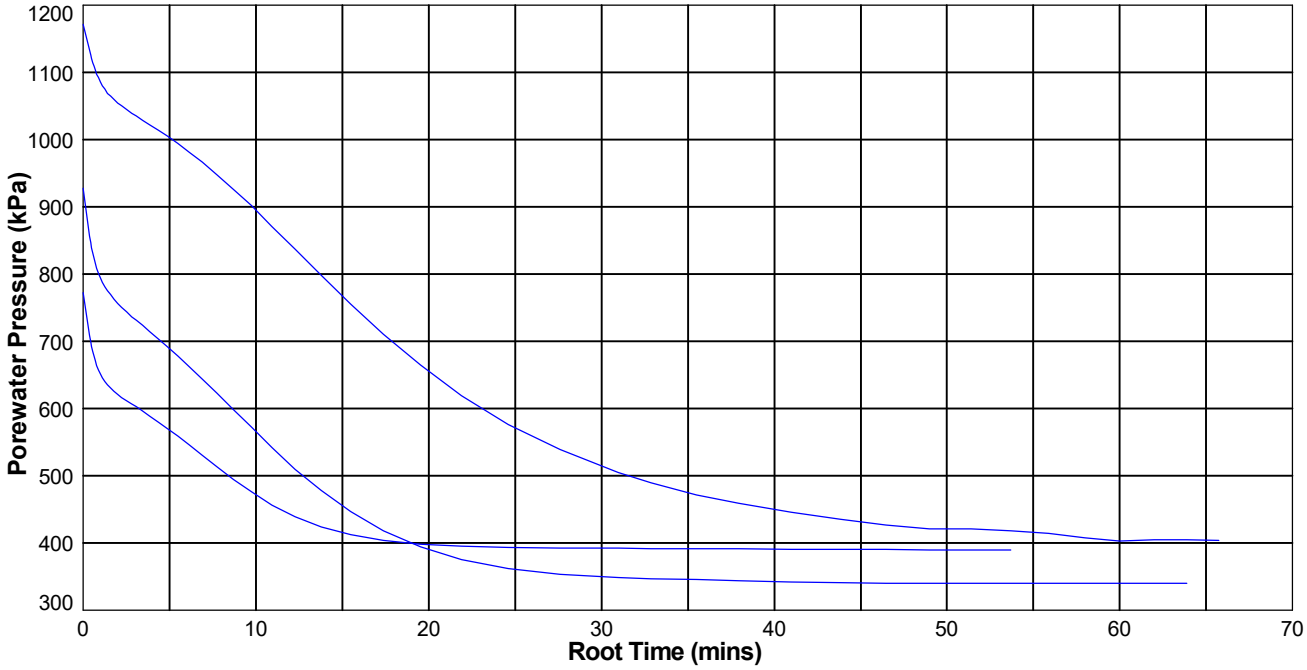
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

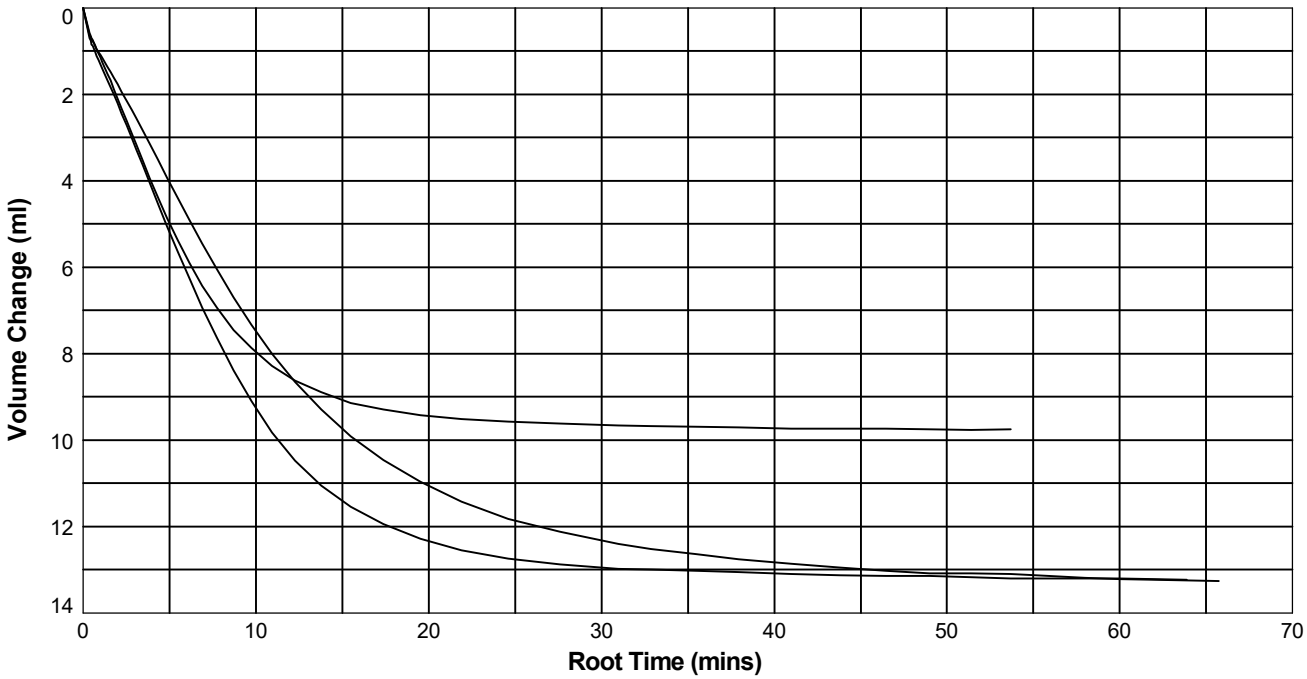
Borehole : **DCBH2019_6** Sample Ref : **18** Sample Type : **C** Depth (m) : **47.44**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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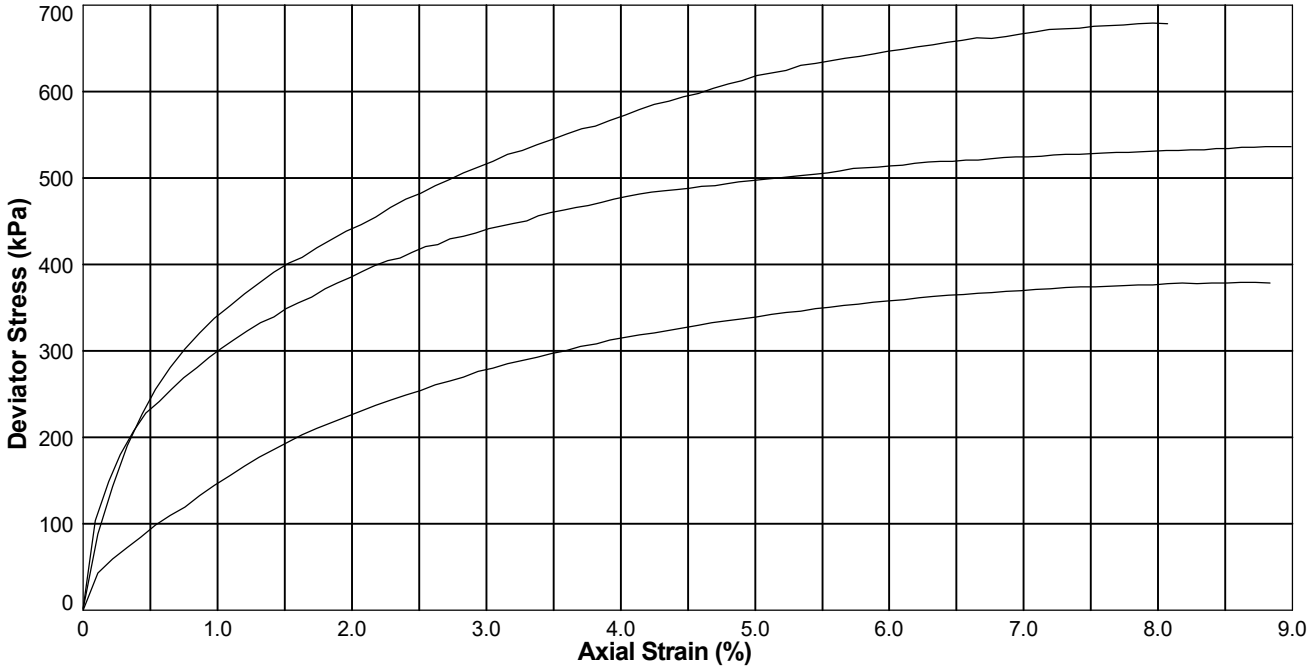
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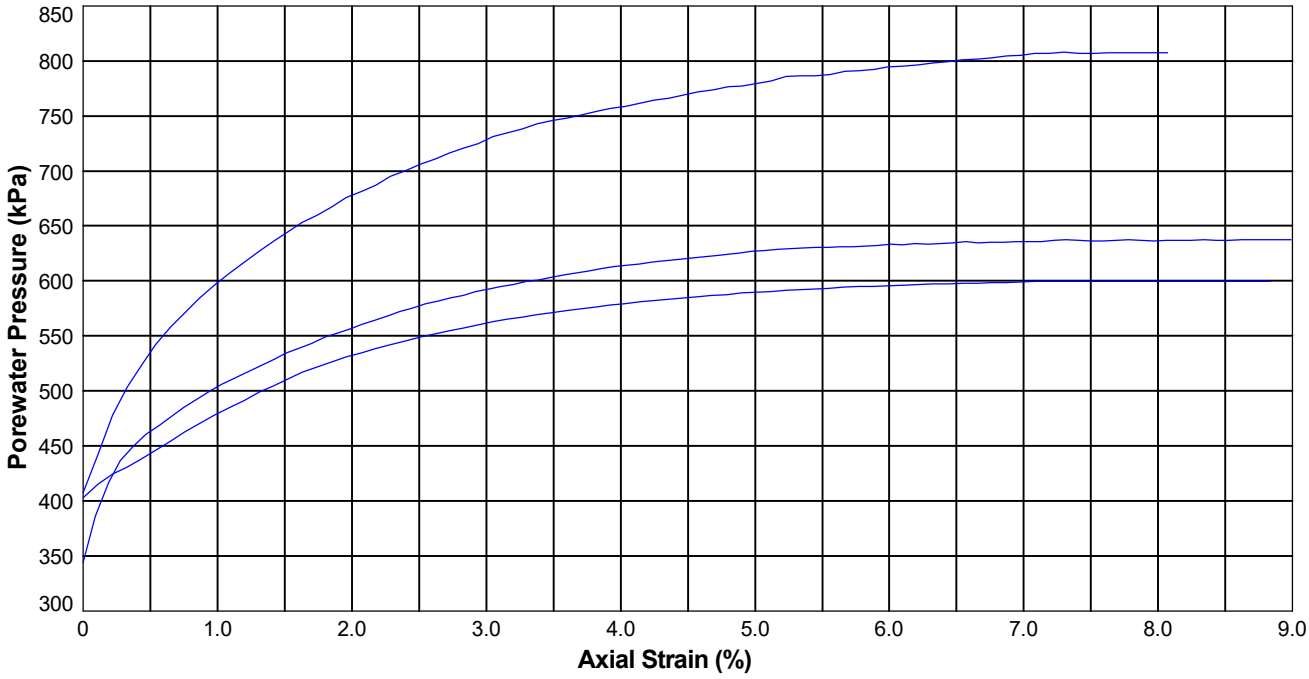
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **18** Sample Type : **C** Depth (m) : **47.44**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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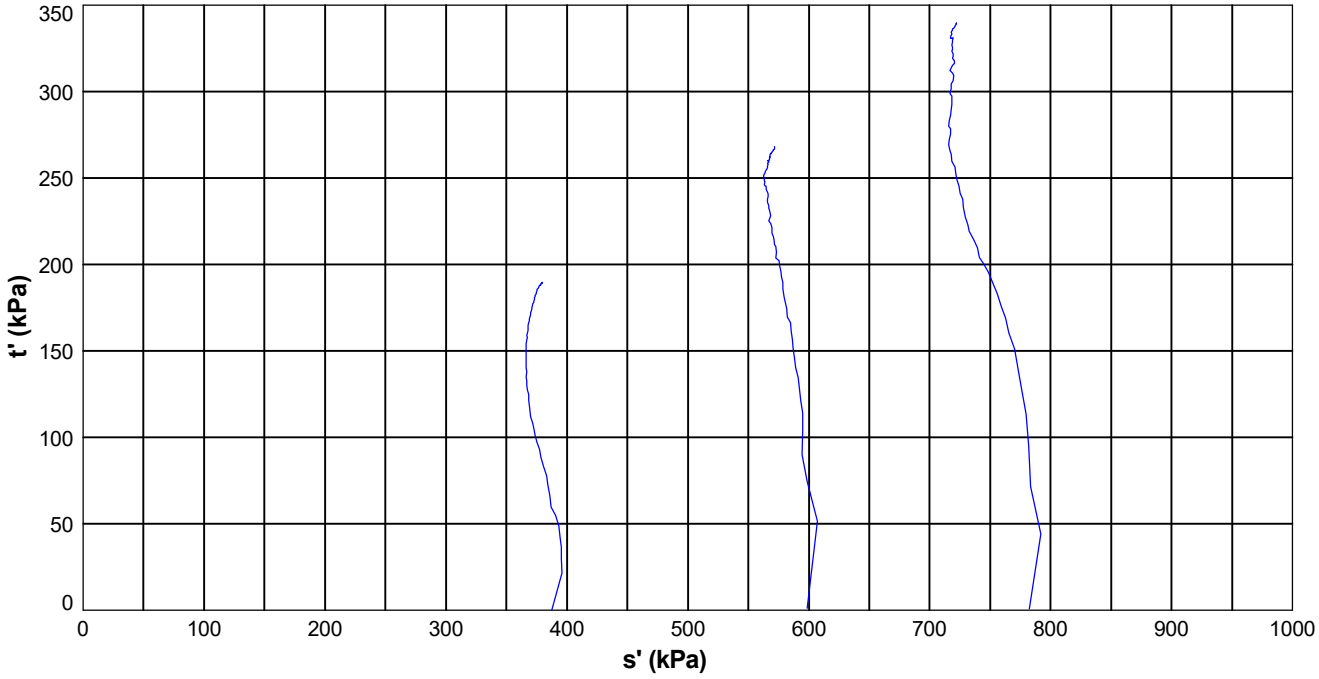
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

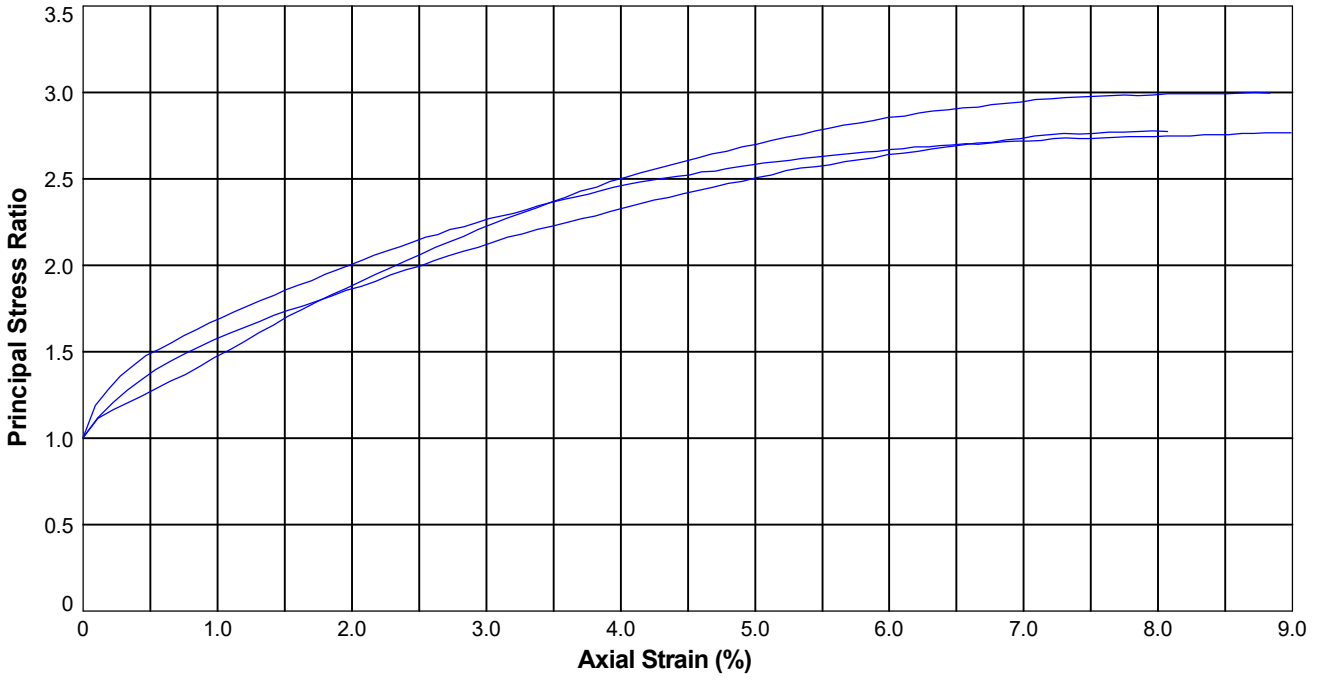
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Borehole : **DCBH2019_6** Sample Ref : **18** Sample Type : **C** Depth (m) : **47.44**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Contract Ref: **734318**

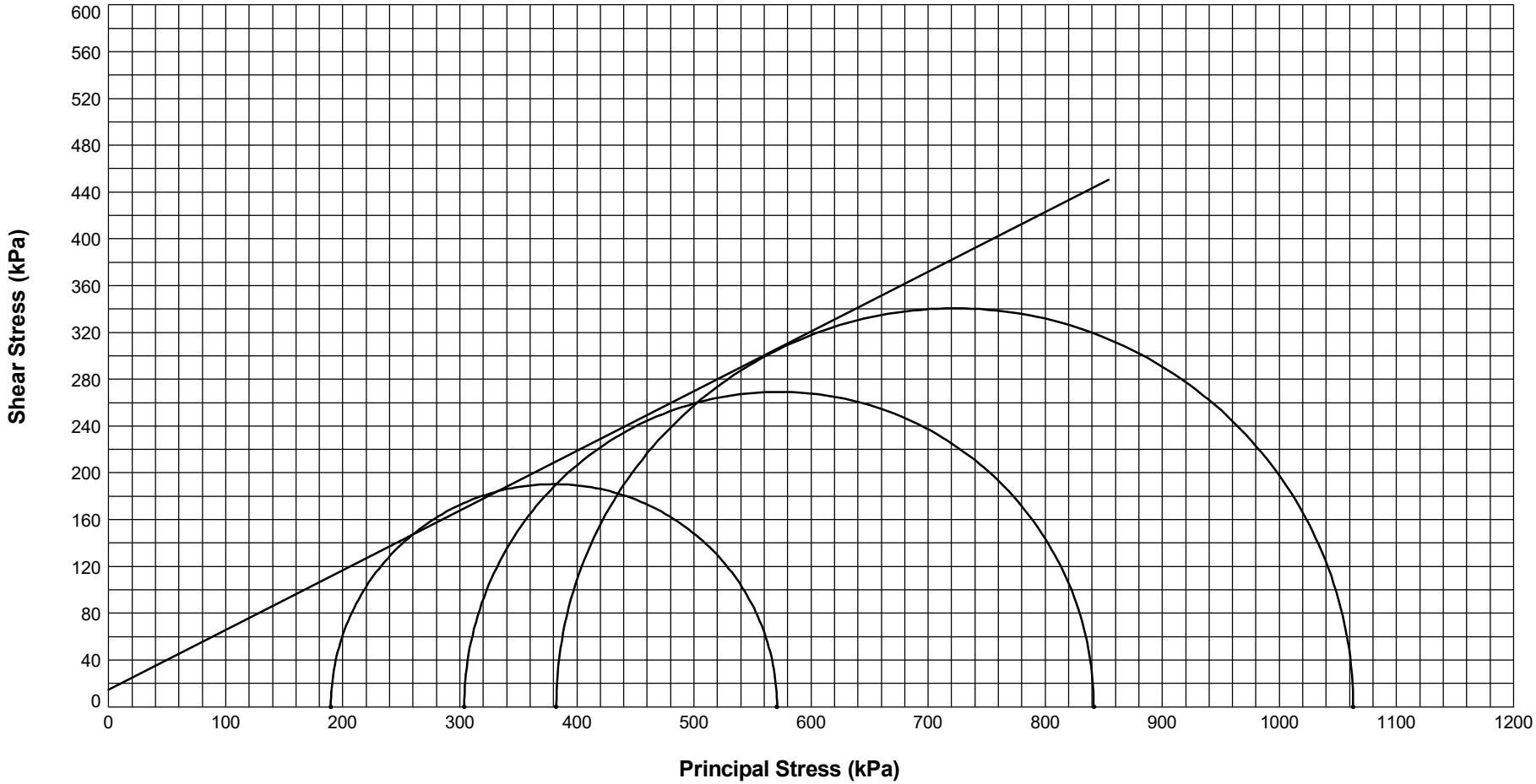
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **18** Sample Type : **C** Depth (m) : **47.44**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **20** Sample Type : **C** Depth (m) : **50.21**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Dark grey silty CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**38.12**	**38.14**	**38.16**
Initial Height (mm)	**75.96**	**75.90**	**75.78**
Initial Mass (g)	**149.45**	**150.80**	**151.00**
Initial Moisture Content (%)	**50**	**49**	**50**
Initial Bulk Density (Mg/m^3)	**1.73**	**1.74**	**1.74**
Initial Dry Density (Mg/m^3)	**1.16**	**1.17**	**1.16**
Initial B-Value	**0.55**	**0.56**	**0.37**
Final Moisture Content (%)	**49**	**48**	**48**
Final Bulk Density (Mg/m^3)	**1.81**	**1.85**	**1.85**
Final Dry Density (Mg/m^3)	**1.22**	**1.26**	**1.25**
SATURATION			
Duration (days)	**6**	**5**	**5**
Final B-Value	**0.95**	**0.99**	**0.98**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**840**	**940**	**1140**
Back Pressure (kPa)	**440**	**340**	**340**
Initial Volume (cm^3)	**86.468**	**86.696**	**86.650**
Final Volume (cm^3)	**81.828**	**80.506**	**80.830**
Change in Volume (cm^3)	**4.640**	**6.190**	**5.820**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**840**	**940**	**1140**
Initial Porewater Pressure (kPa)	**443.9**	**345.6**	**360.6**
Strain Rate (mm/min)	**0.00517**	**0.00515**	**0.00514**
Axial Strain at Failure (%)	**3.43**	**2.43**	**2.83**
Time to Failure (h)	**8.2**	**5.8**	**6.8**
Deviator Stress at Failure (kPa)	**561.9**	**722.9**	**901.6**
Porewater Pressure at Failure (kPa)	**705.7**	**706.1**	**815.3**
Effective Major Principal Stress (kPa)	**696.0**	**956.0**	**1226.2**
Effective Minor Principal Stress (kPa)	**134.1**	**233.1**	**324.6**
Effective Principal Stress Ratio	**5.19**	**4.10**	**3.78**
Pore Pressure Coefficient - A_f	**0.47**	**0.50**	**0.50**

Effective Cohesion (kPa) : **95** Angle of Shear Resistance (degs) : **28.5**

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C **Sizewell C Onshore GI Phase 2 2019**

Job No **734318**

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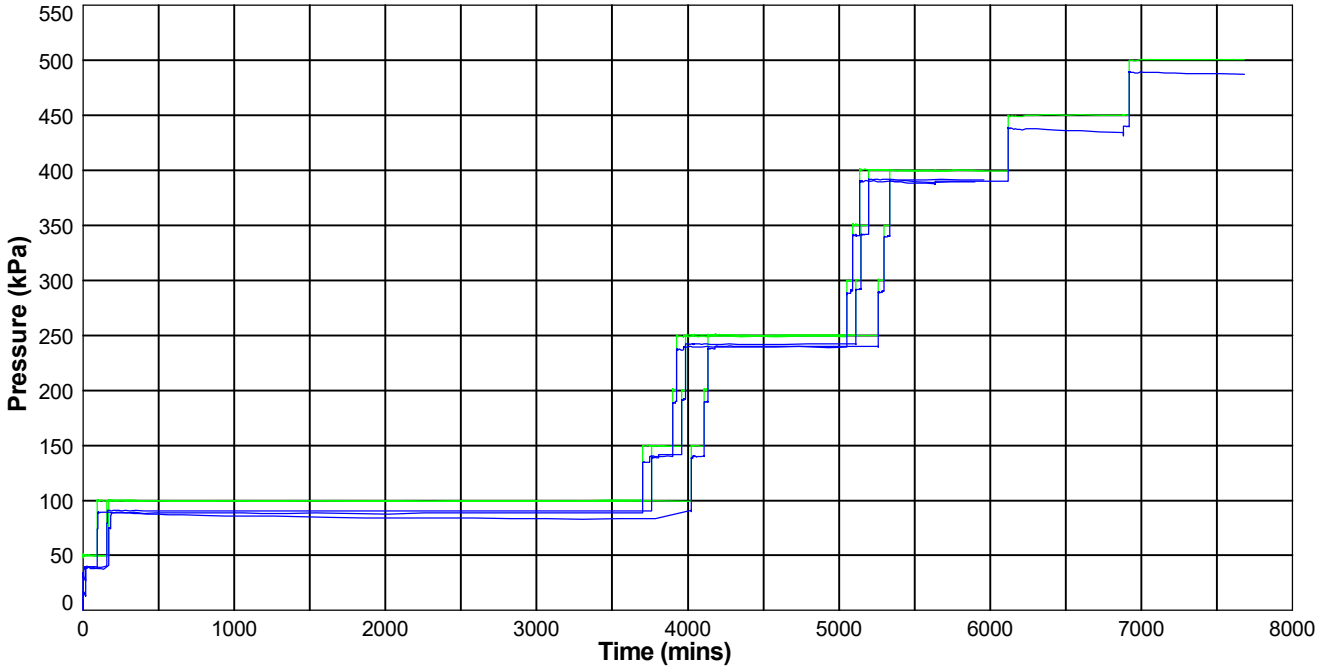
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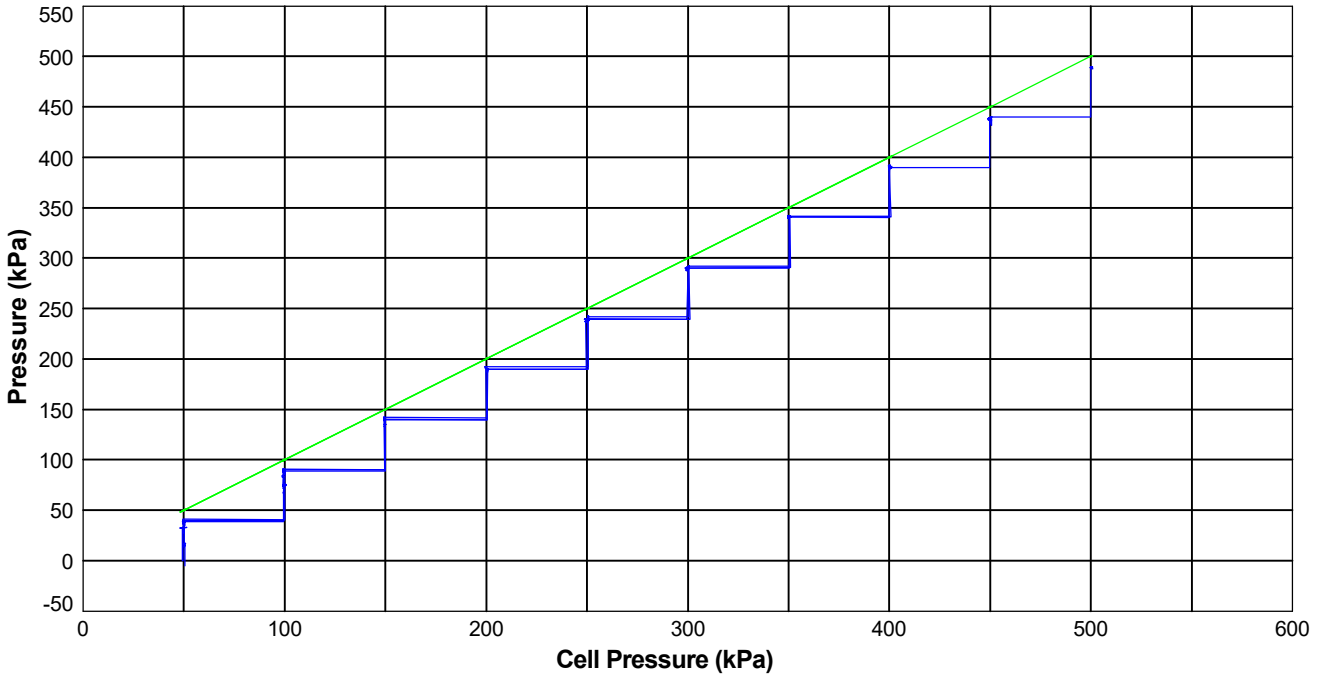
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Borehole : **DCBH2019_6** Sample Ref : **20** Sample Type : **C** Depth (m) : **50.21**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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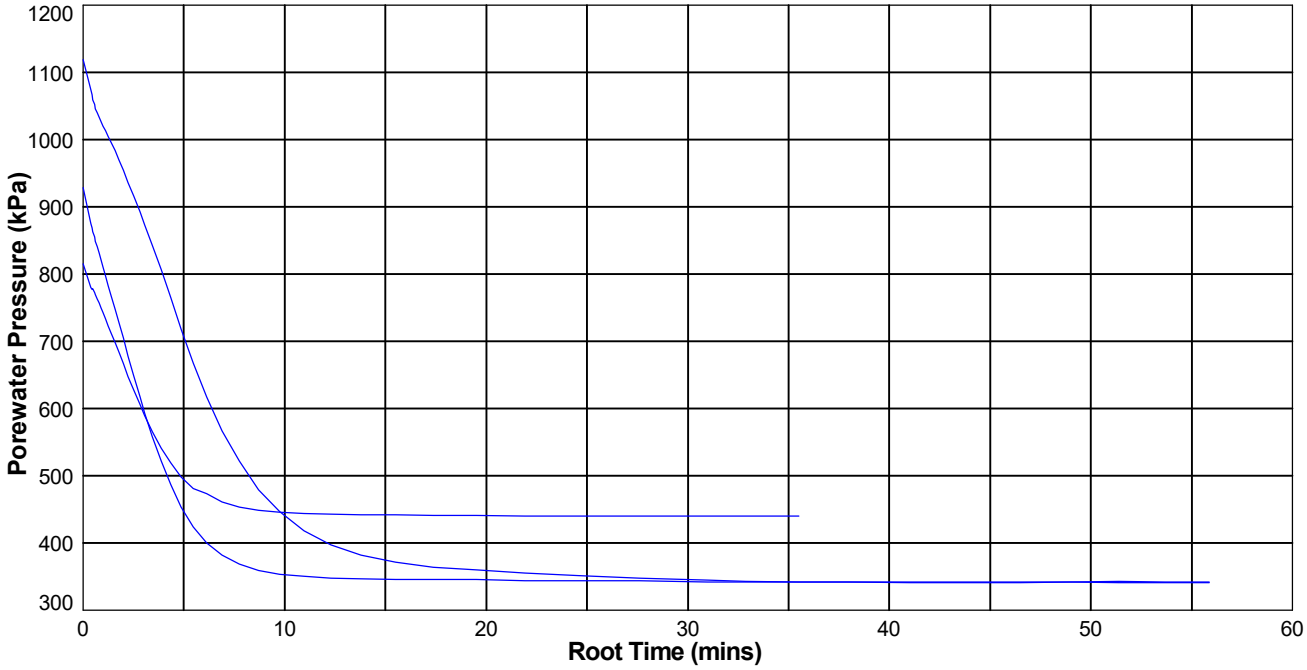
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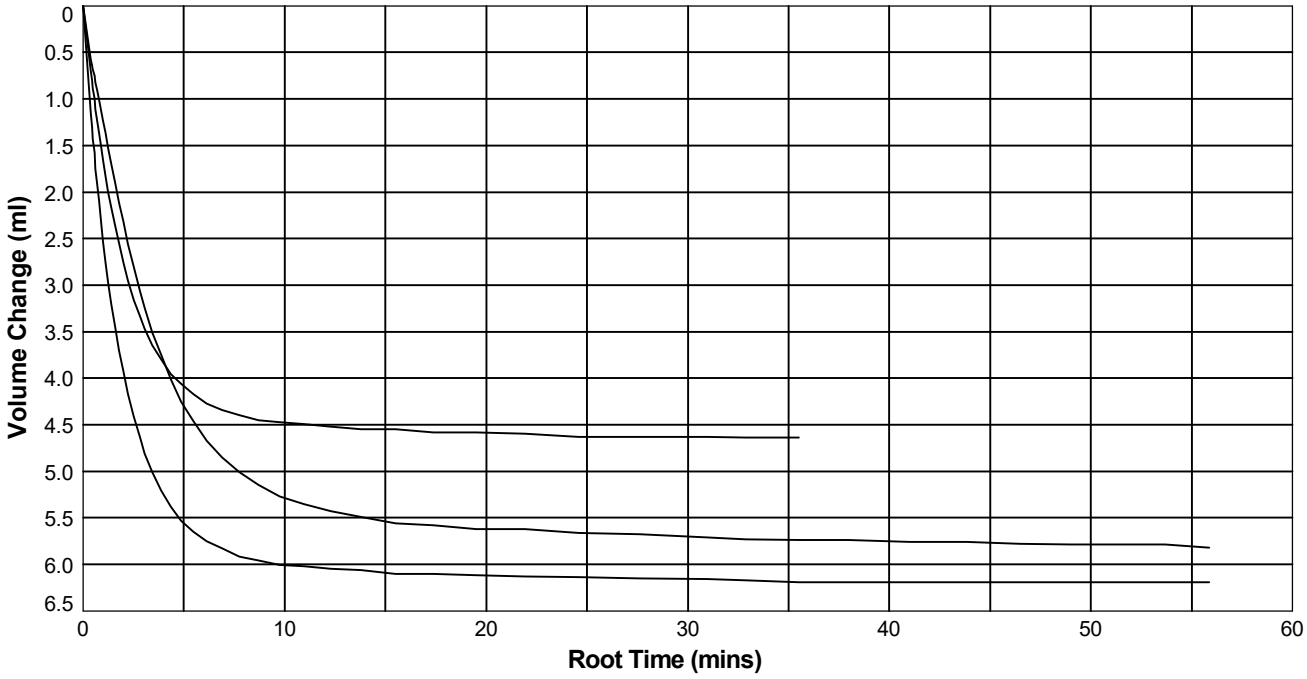
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Borehole : **DCBH2019_6** Sample Ref : **20** Sample Type : **C** Depth (m) : **50.21**

CONSOLIDATION STAGE



CONSOLIDATION STAGE



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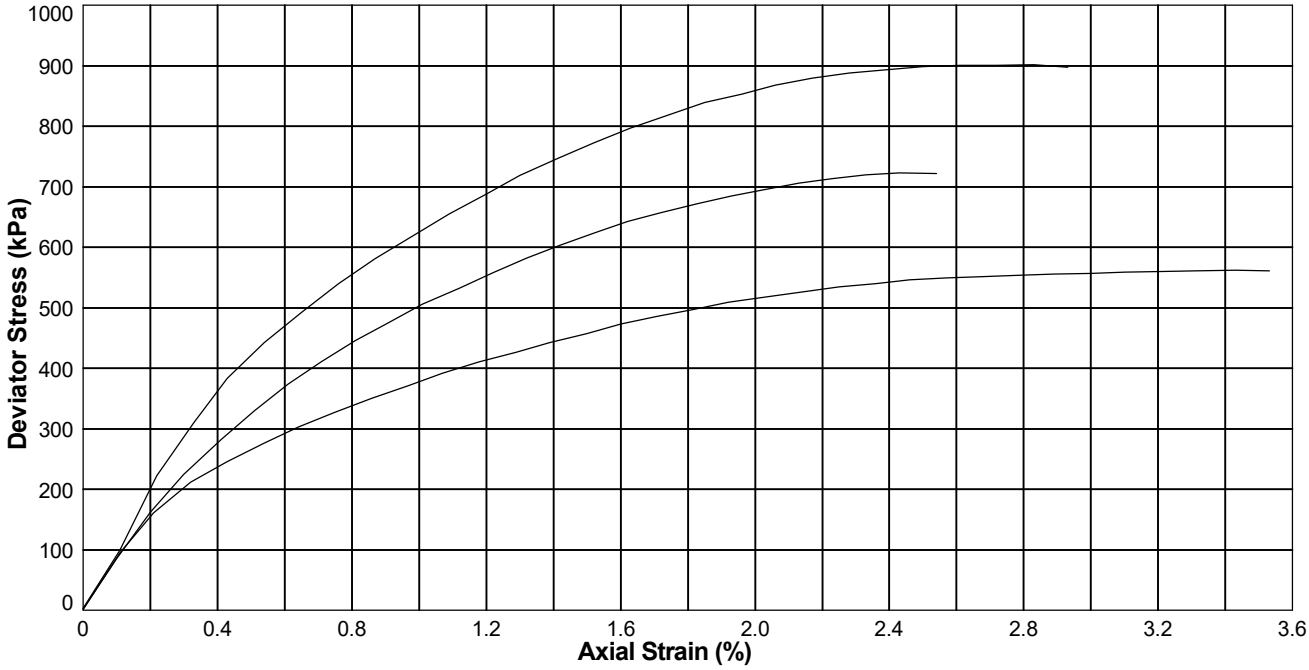
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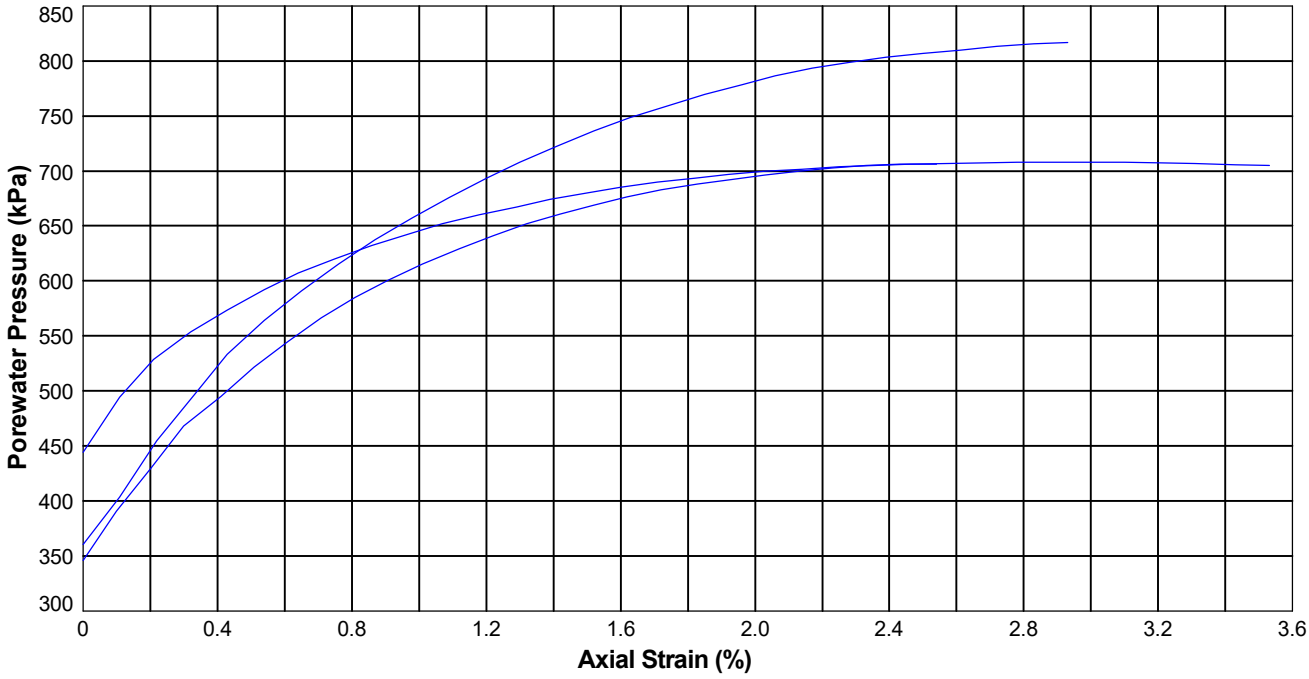
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Borehole : **DCBH2019_6** Sample Ref : **20** Sample Type : **C** Depth (m) : **50.21**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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Bristol
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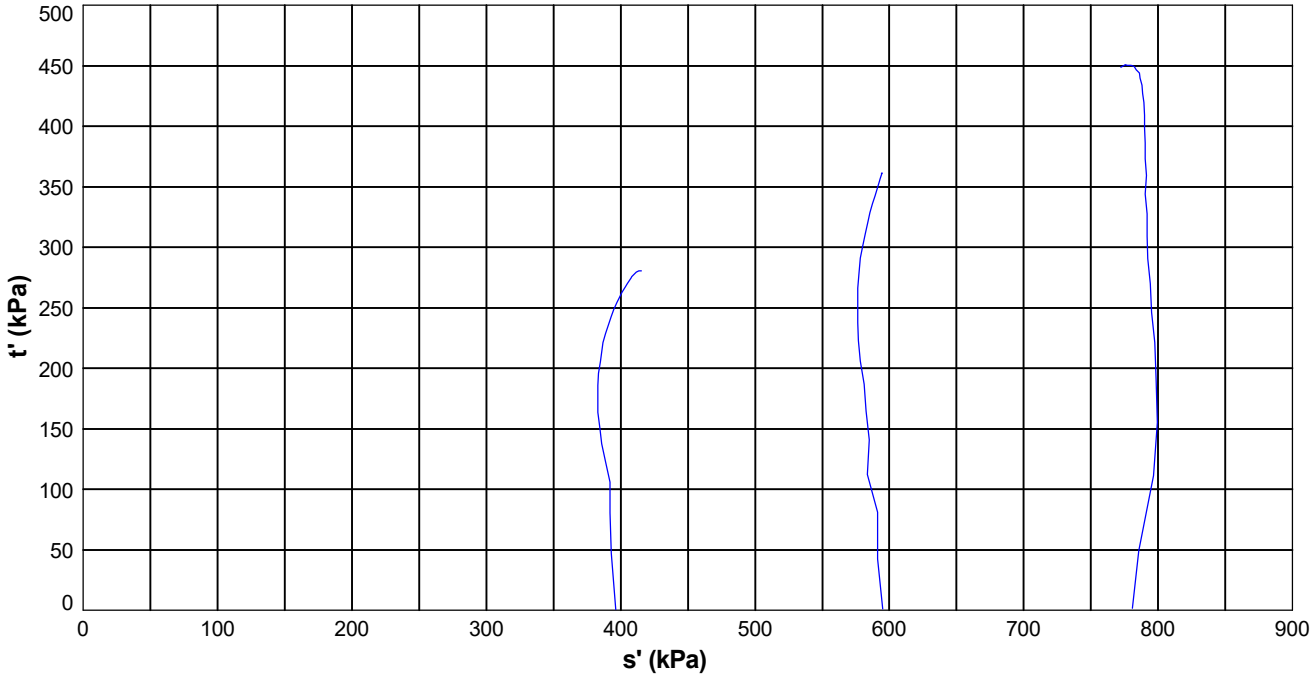
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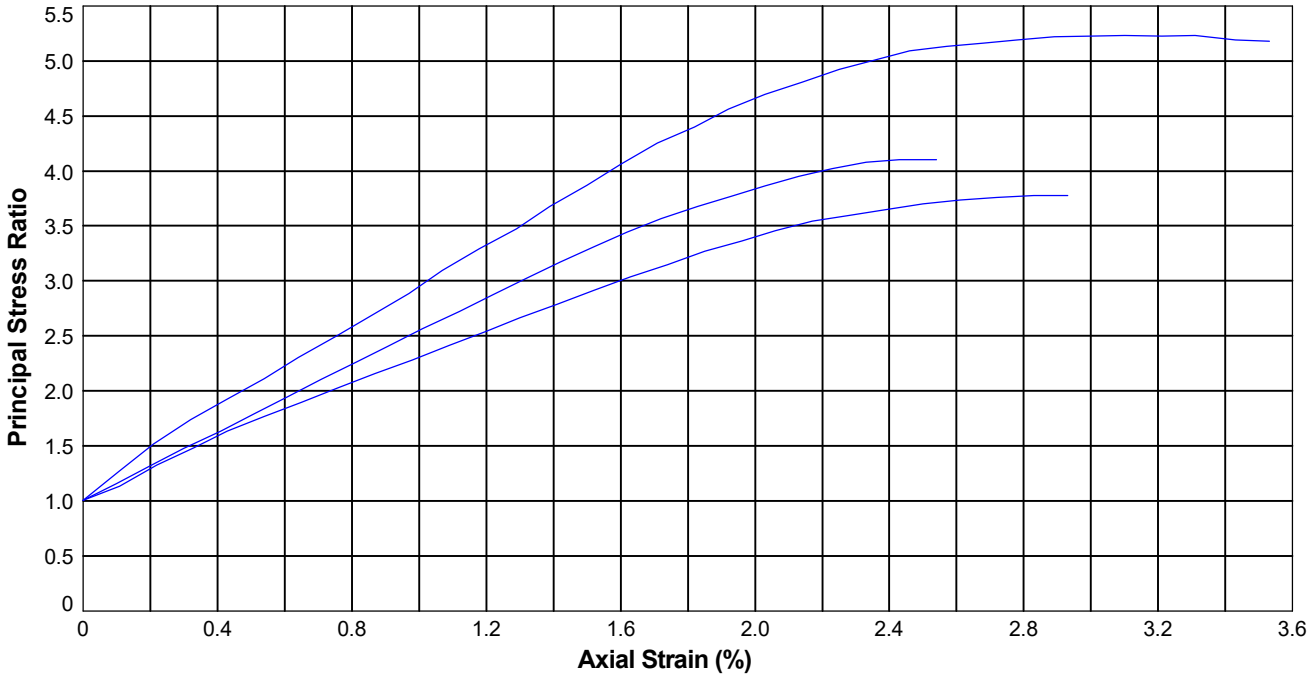
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **20** Sample Type : **C** Depth (m) : **50.21**

SHEAR STAGE



SHEAR STAGE



Key: Base:

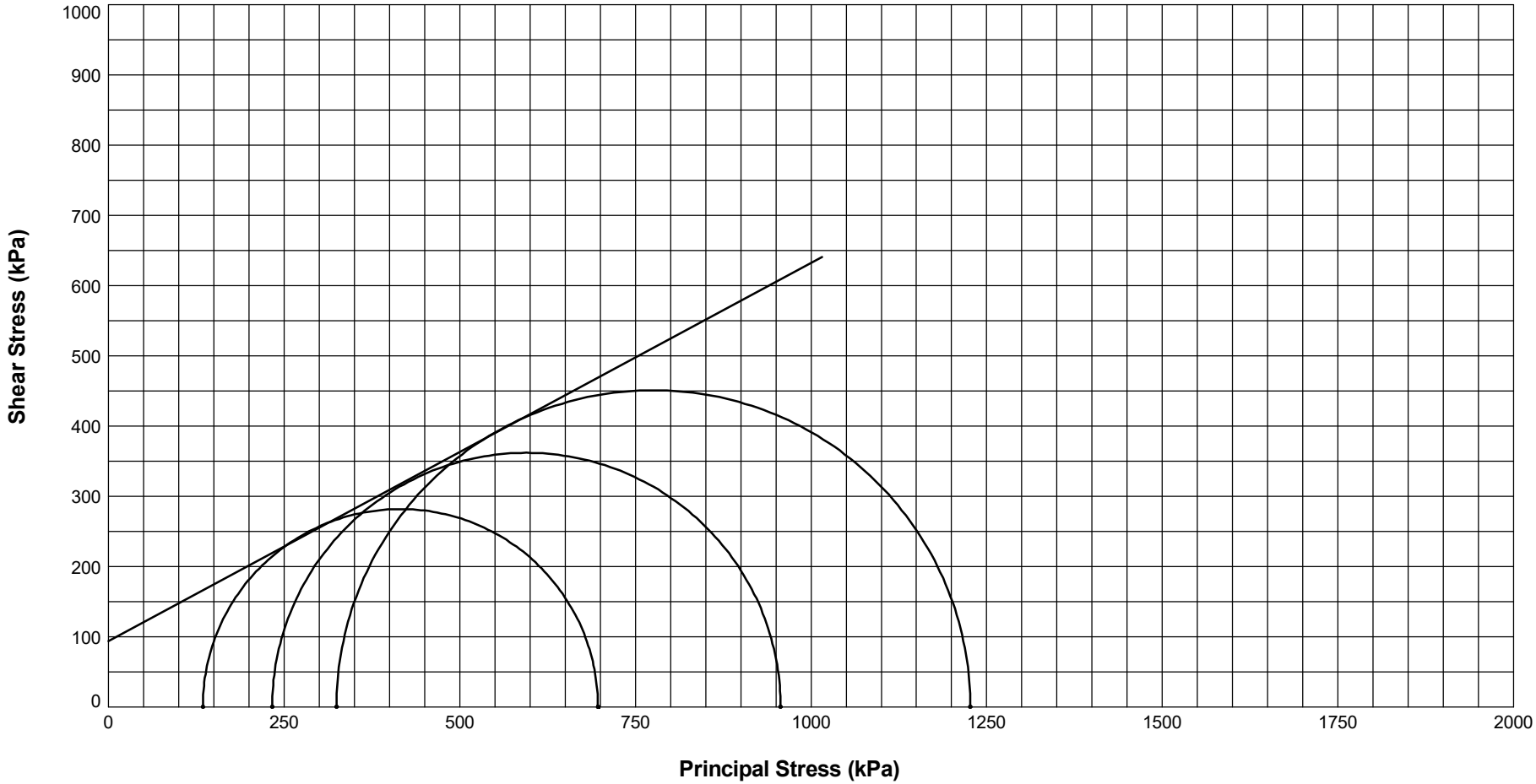
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	[redacted]	**FRANCESCA BENNETT**	**14/05/20**
	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	

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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **20** Sample Type : **C** Depth (m) : **50.21**



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Date: **14.05.20**

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **25** Sample Type : **C** Depth (m) : **55.22**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Dark brown CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.82**	**37.94**	**37.95**
Initial Height (mm)	**75.78**	**75.73**	**75.73**
Initial Mass (g)	**166.23**	**166.44**	**166.13**
Initial Moisture Content (%)	**32**	**33**	**32**
Initial Bulk Density (Mg/m^3)	**1.95**	**1.94**	**1.94**
Initial Dry Density (Mg/m^3)	**1.48**	**1.46**	**1.47**
Initial B-Value	**0.20**	**0.32**	**0.18**
Final Moisture Content (%)	**31**	**30**	**28**
Final Bulk Density (Mg/m^3)	**2.14**	**2.20**	**2.18**
Final Dry Density (Mg/m^3)	**1.63**	**1.69**	**1.70**
SATURATION			
Duration (days)	**4**	**4**	**4**
Final B-Value	**0.96**	**0.97**	**0.98**
CONSOLIDATION			
Duration (days)	**4**	**4**	**4**
Cell Pressure (kPa)	**790**	**990**	**1190**
Back Pressure (kPa)	**390**	**390**	**390**
Initial Volume (cm^3)	**85.127**	**85.597**	**85.672**
Final Volume (cm^3)	**76.997**	**74.167**	**73.922**
Change in Volume (cm^3)	**8.130**	**11.430**	**11.750**
COMPRESSION			
Duration (days)	**2**	**3**	**5**
Cell Pressure (kPa)	**790**	**990**	**1190**
Initial Porewater Pressure (kPa)	**397.3**	**397.9**	**419.9**
Strain Rate (mm/min)	**0.00183**	**0.00151**	**0.00113**
Axial Strain at Failure (%)	**2.90**	**3.46**	**4.38**
Time to Failure (h)	**19.4**	**27.7**	**46.7**
Deviator Stress at Failure (kPa)	**329.3**	**438.6**	**578.1**
Porewater Pressure at Failure (kPa)	**514.9**	**605.6**	**685.1**
Effective Major Principal Stress (kPa)	**604.8**	**822.4**	**1083.0**
Effective Minor Principal Stress (kPa)	**275.5**	**383.8**	**504.9**
Effective Principal Stress Ratio	**2.20**	**2.14**	**2.15**
Pore Pressure Coefficient - A_f	**0.36**	**0.47**	**0.46**

Effective Cohesion (kPa) : **10**	Angle of Shear Resistance (degs) : **21**

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DAISY RICHARDS **30/05/20**

C

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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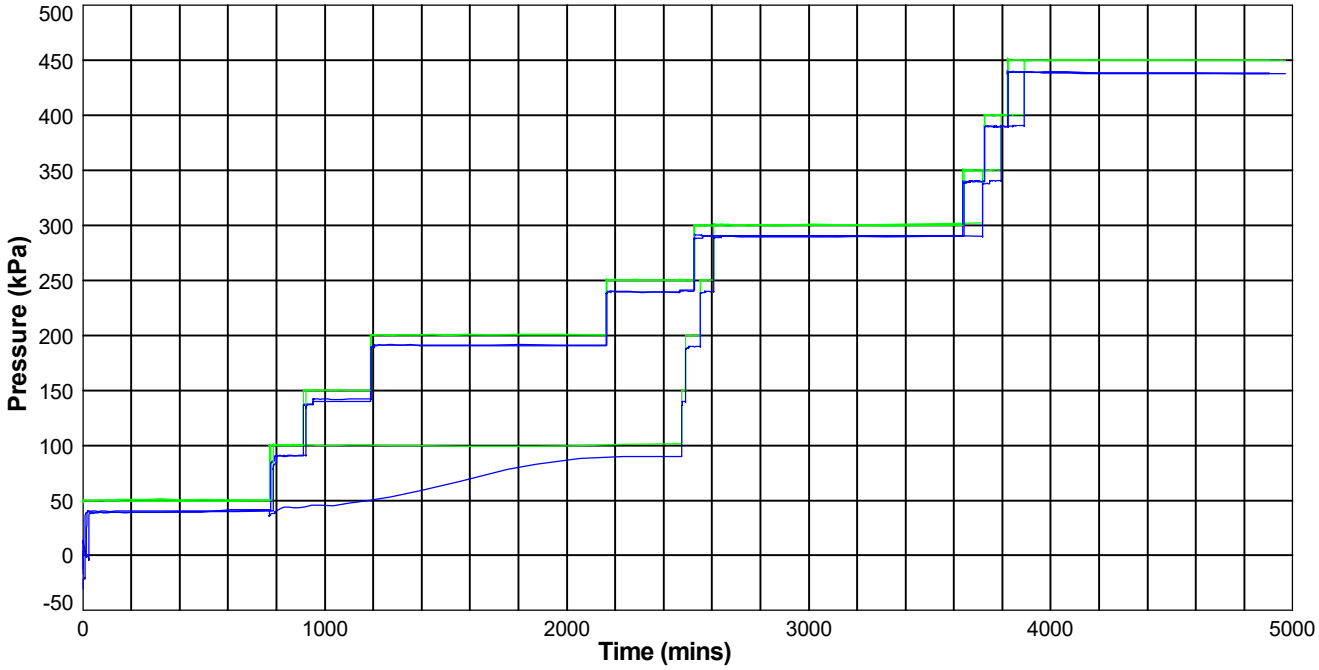
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

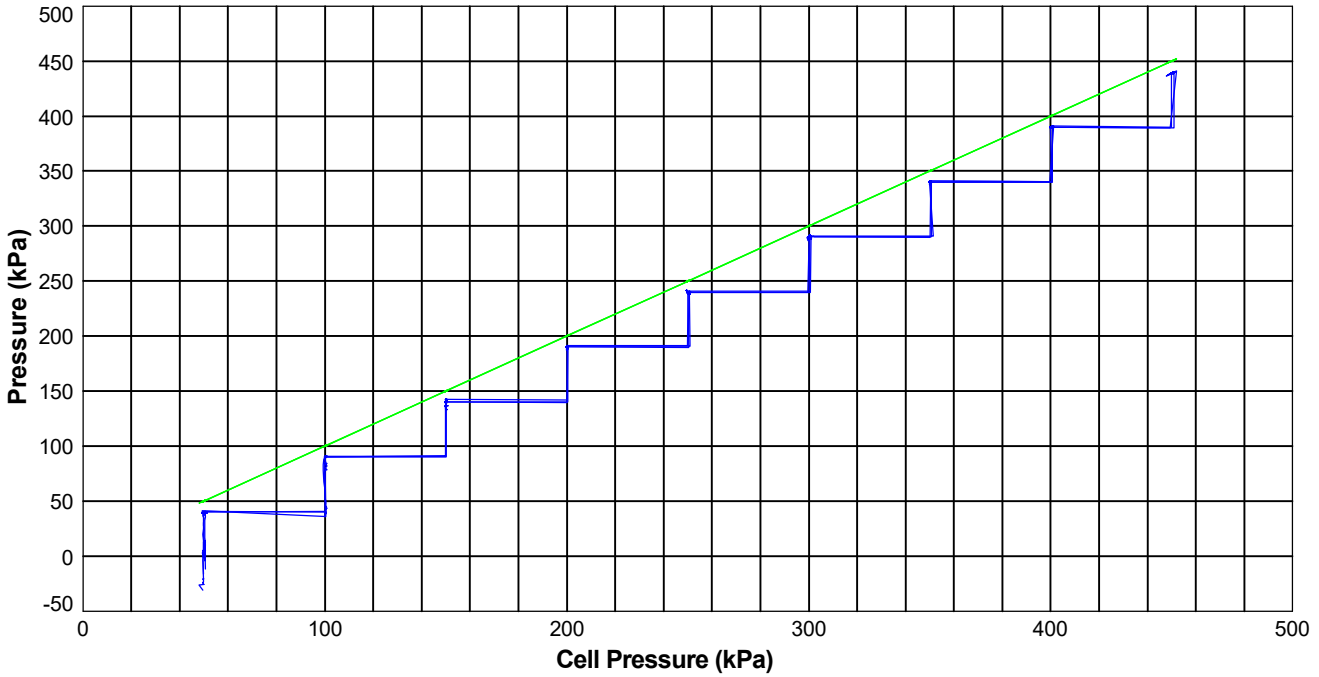
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **25** Sample Type : **C** Depth (m) : **55.22**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

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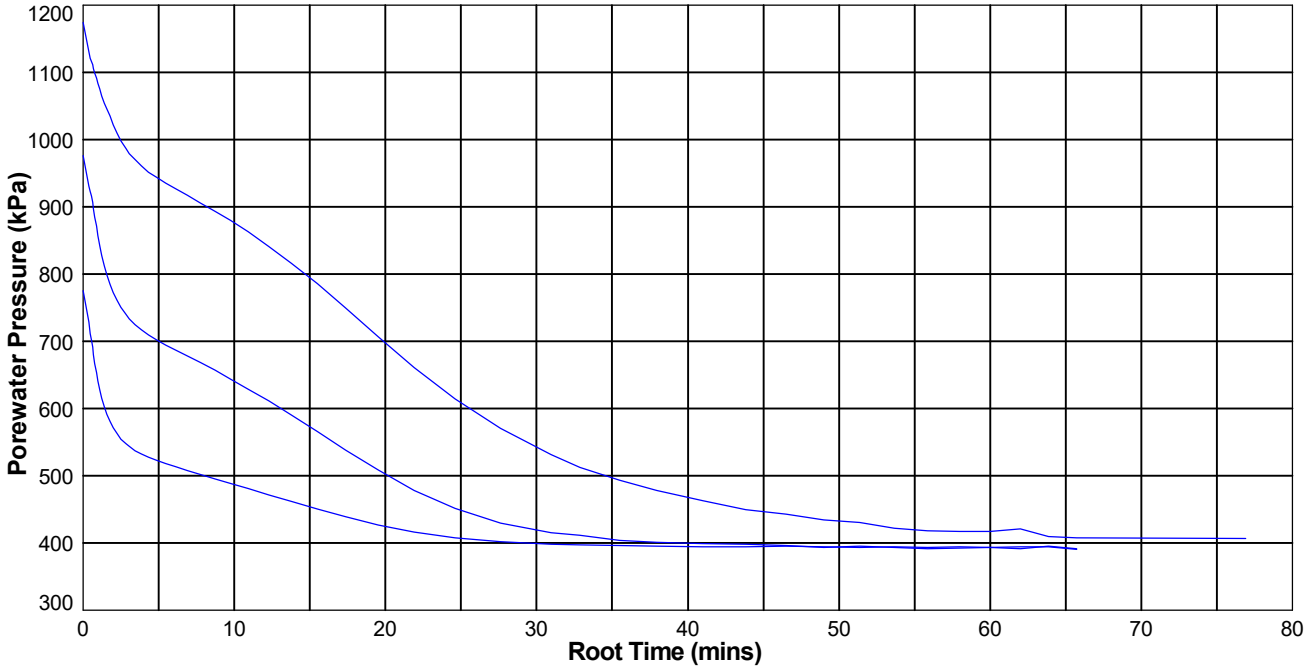
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

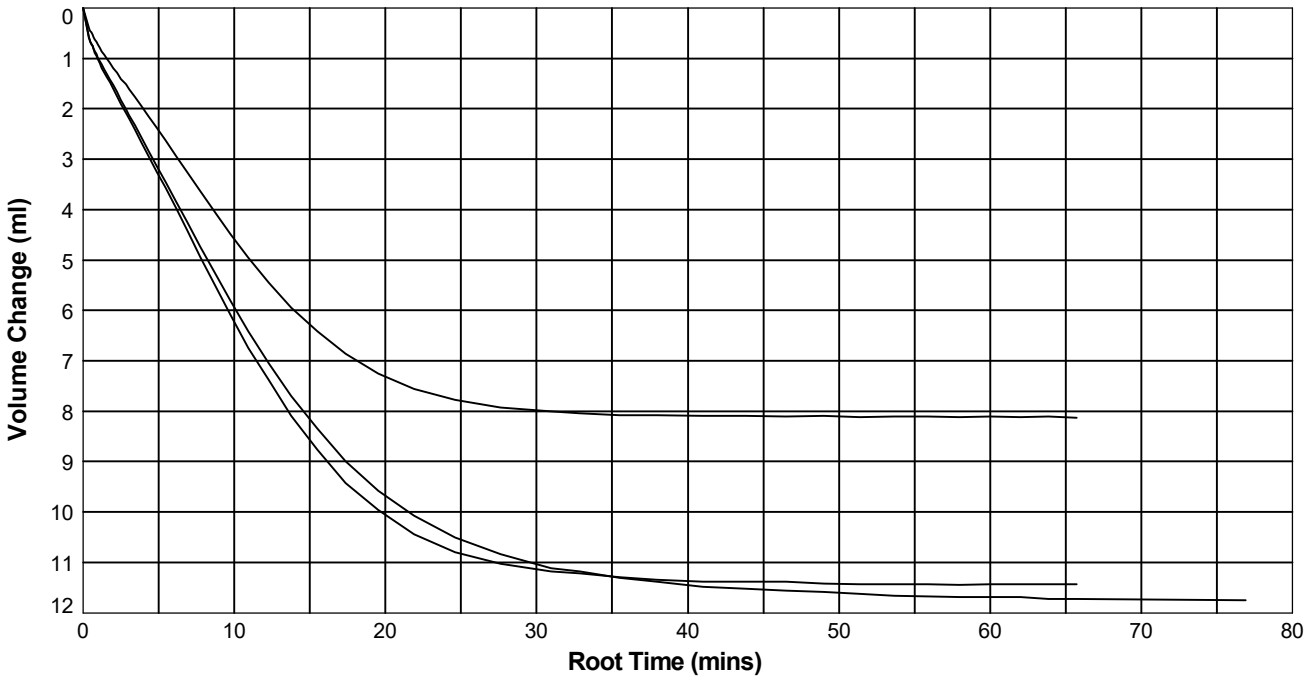
Borehole : **DCBH2019_6** Sample Ref : **25** Sample Type : **C** Depth (m) : **55.22**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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Sizewell C Onshore GI Phase 2 2019	734318	

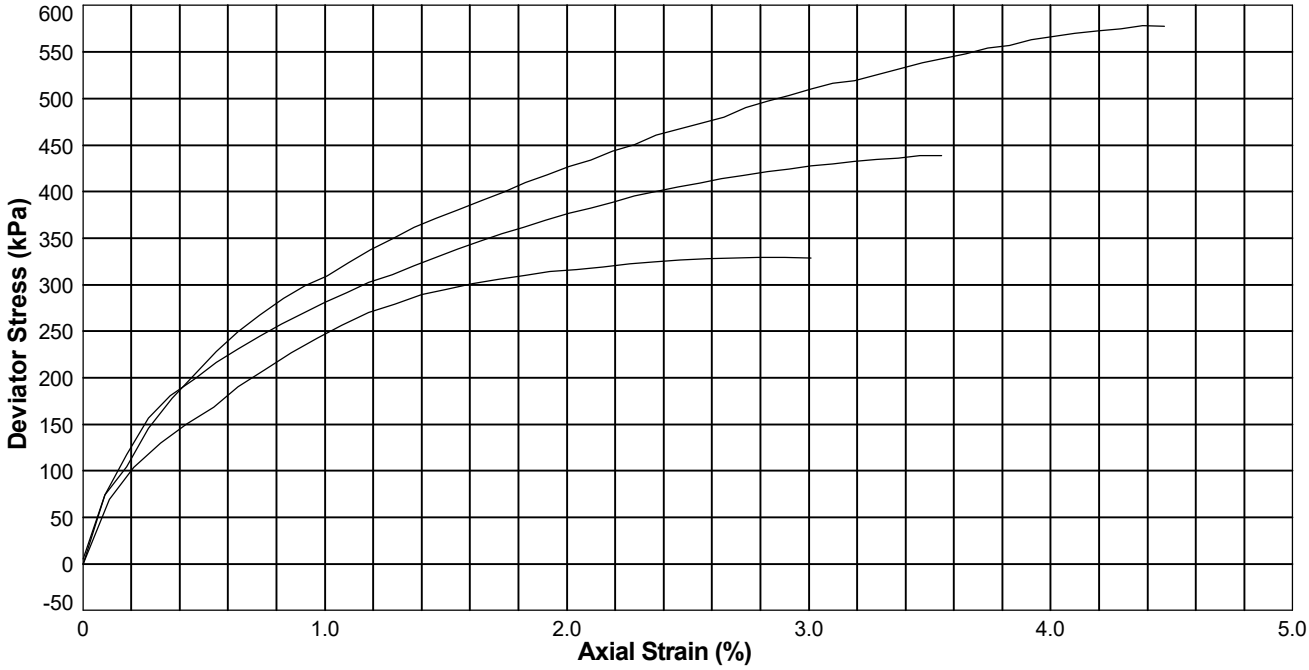
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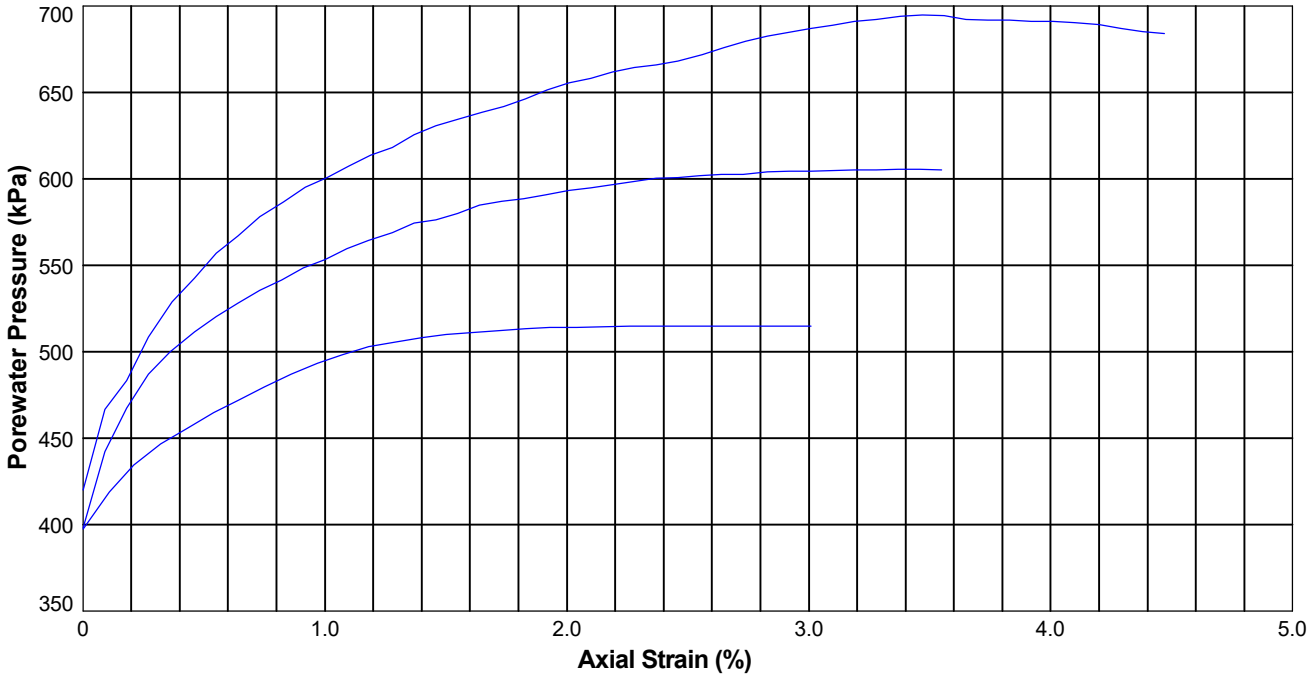
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Borehole : **DCBH2019_6** Sample Ref : **25** Sample Type : **C** Depth (m) : **55.22**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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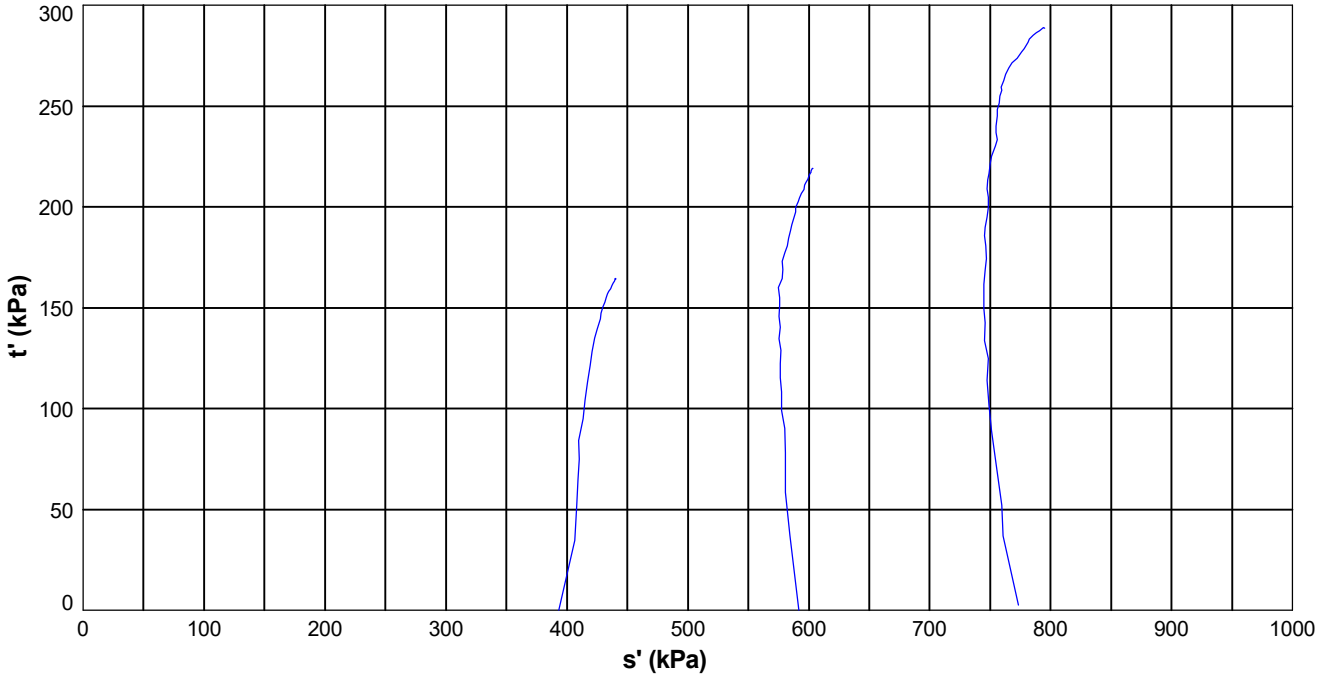
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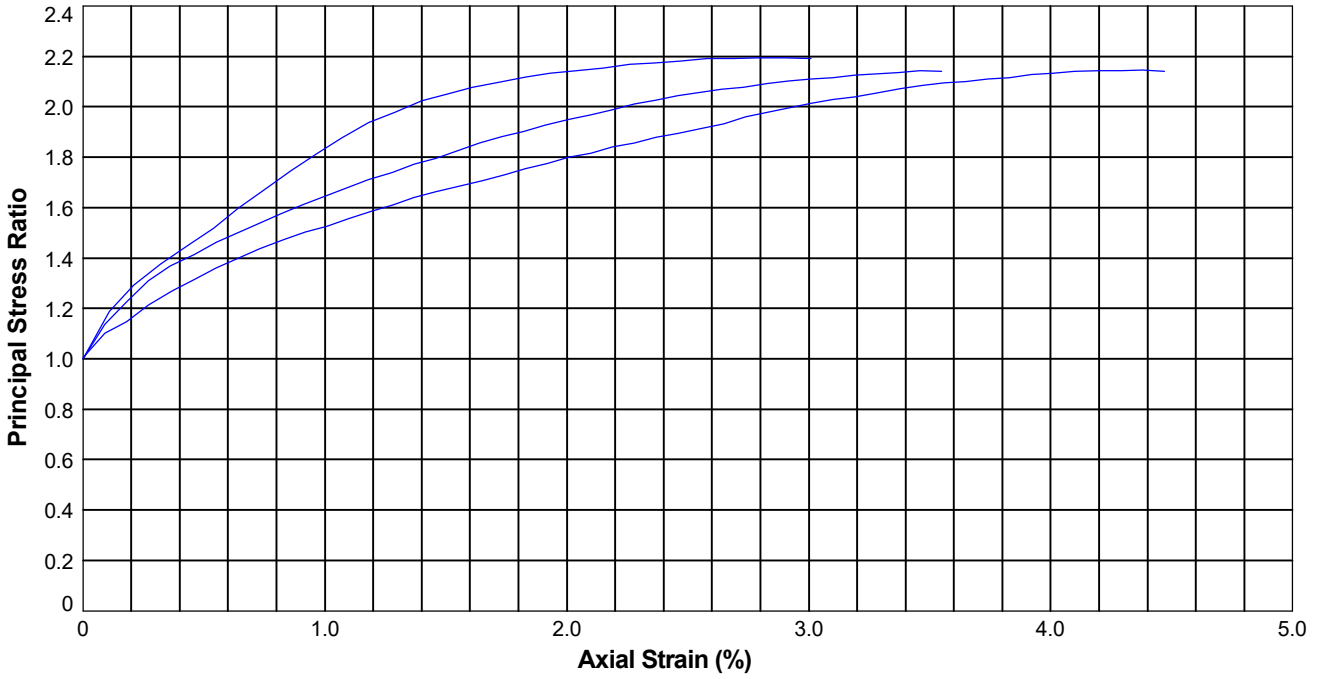
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Borehole : **DCBH2019_6** Sample Ref : **25** Sample Type : **C** Depth (m) : **55.22**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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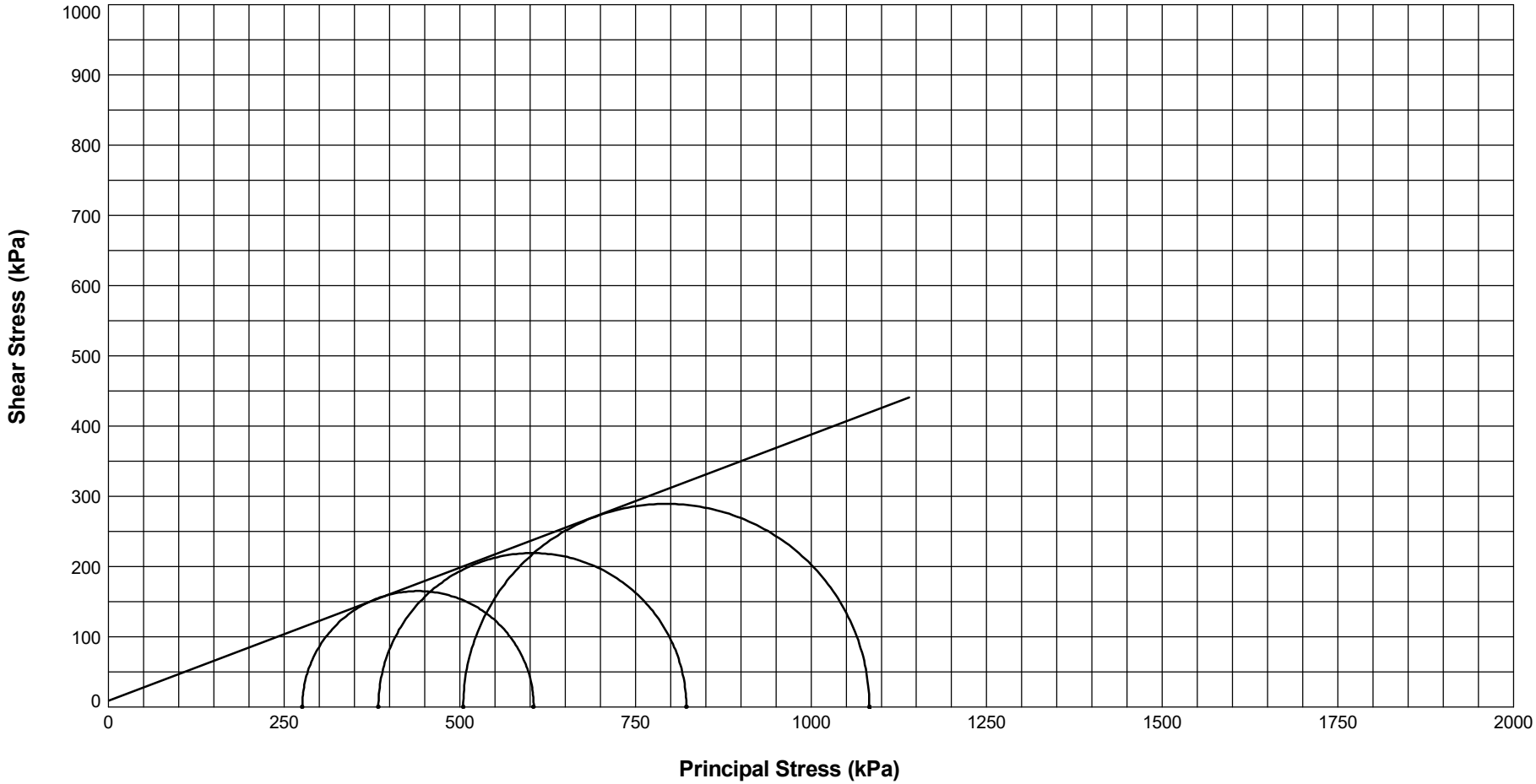
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Sizewell C Onshore GI Phase 2 2019	734318	

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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **25** Sample Type : **C** Depth (m) : **55.22**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **31** Sample Type : **C** Depth (m) : **66.21**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Greyish brown slightly gravelly slightly sandy CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.83**	**38.01**	**37.81**
Initial Height (mm)	**75.86**	**75.97**	**75.85**
Initial Mass (g)	**166.97**	**172.76**	**168.95**
Initial Moisture Content (%)	**37**	**32**	**34**
Initial Bulk Density (Mg/m^3)	**1.96**	**2.00**	**1.98**
Initial Dry Density (Mg/m^3)	**1.43**	**1.52**	**1.48**
Initial B-Value	**0.82**	**0.67**	**0.67**
Final Moisture Content (%)	**27**	**24**	**24**
Final Bulk Density (Mg/m^3)	**2.12**	**2.24**	**2.21**
Final Dry Density (Mg/m^3)	**1.67**	**1.81**	**1.78**
SATURATION			
Duration (days)	**4**	**5**	**4**
Final B-Value	**1.00**	**1.00**	**1.00**
CONSOLIDATION			
Duration (days)	**3**	**3**	**5**
Cell Pressure (kPa)	**840**	**1040**	**1240**
Back Pressure (kPa)	**340**	**340**	**340**
Initial Volume (cm^3)	**85.255**	**86.215**	**85.176**
Final Volume (cm^3)	**72.787**	**72.643**	**70.926**
Change in Volume (cm^3)	**12.468**	**13.572**	**14.250**
COMPRESSION			
Duration (days)	**7**	**6**	**5**
Cell Pressure (kPa)	**840**	**1040**	**1240**
Initial Porewater Pressure (kPa)	**357.1**	**372.4**	**367.8**
Strain Rate (mm/min)	**0.00150**	**0.00150**	**0.00066**
Axial Strain at Failure (%)	**7.46**	**6.71**	**6.56**
Time to Failure (h)	**59.8**	**53.7**	**118.7**
Deviator Stress at Failure (kPa)	**301.8**	**446.5**	**504.9**
Porewater Pressure at Failure (kPa)	**488.2**	**513.7**	**646.7**
Effective Major Principal Stress (kPa)	**654.0**	**972.2**	**1099.1**
Effective Minor Principal Stress (kPa)	**352.2**	**525.7**	**594.2**
Effective Principal Stress Ratio	**1.86**	**1.85**	**1.85**
Pore Pressure Coefficient - A_f	**0.43**	**0.32**	**0.55**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **17.5**

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Job No **734318**

Sizewell C Onshore GI Phase 2 2019

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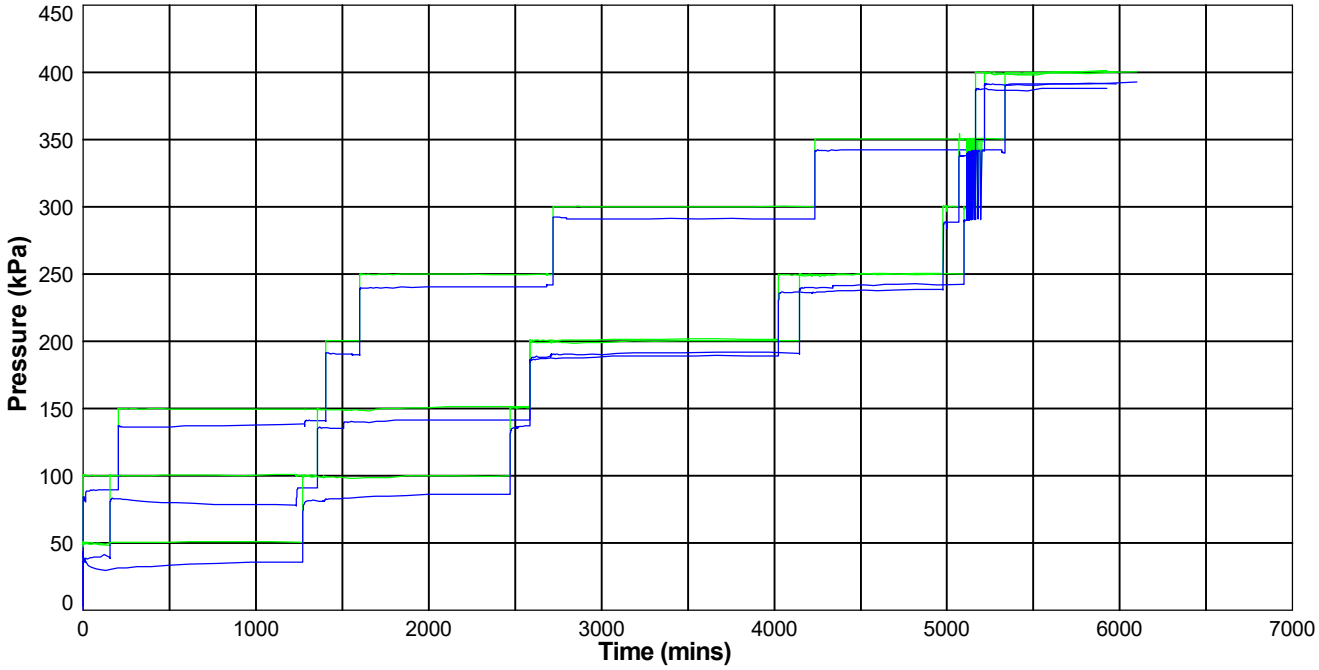
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

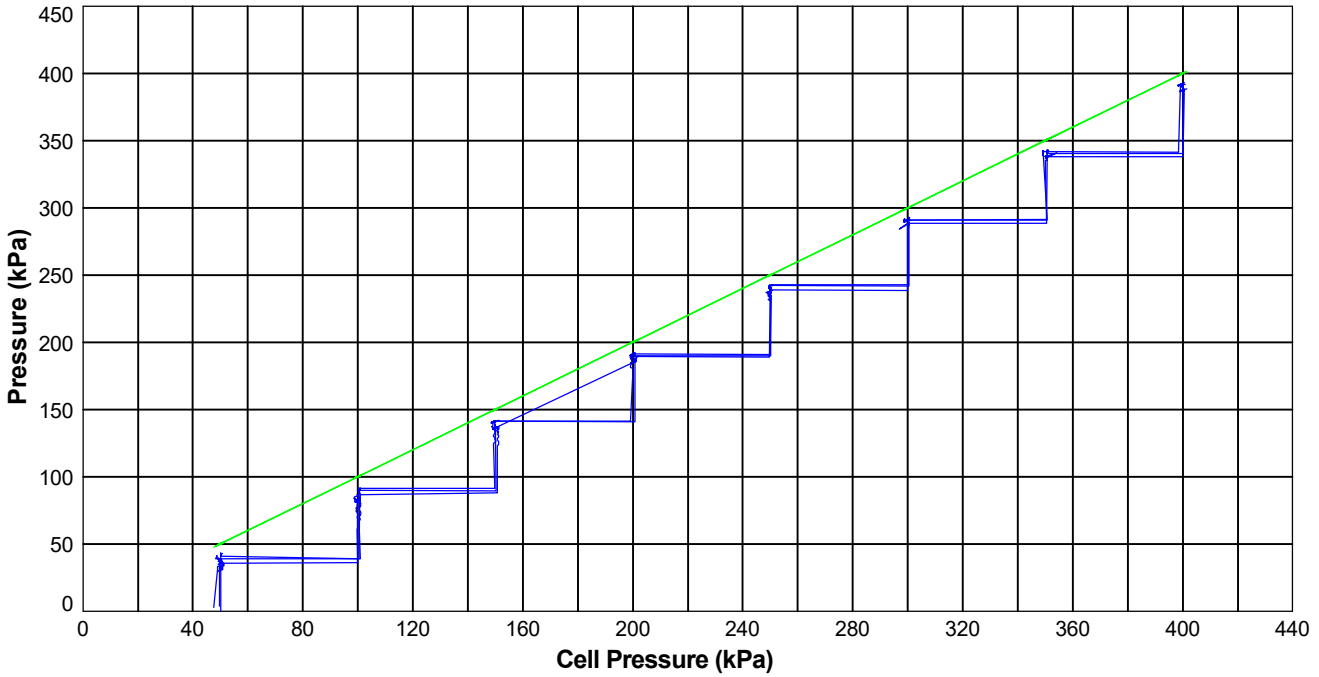
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **31** Sample Type : **C** Depth (m) : **66.21**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG		Date
	ANCESCA BENNETT	**12/05/20**
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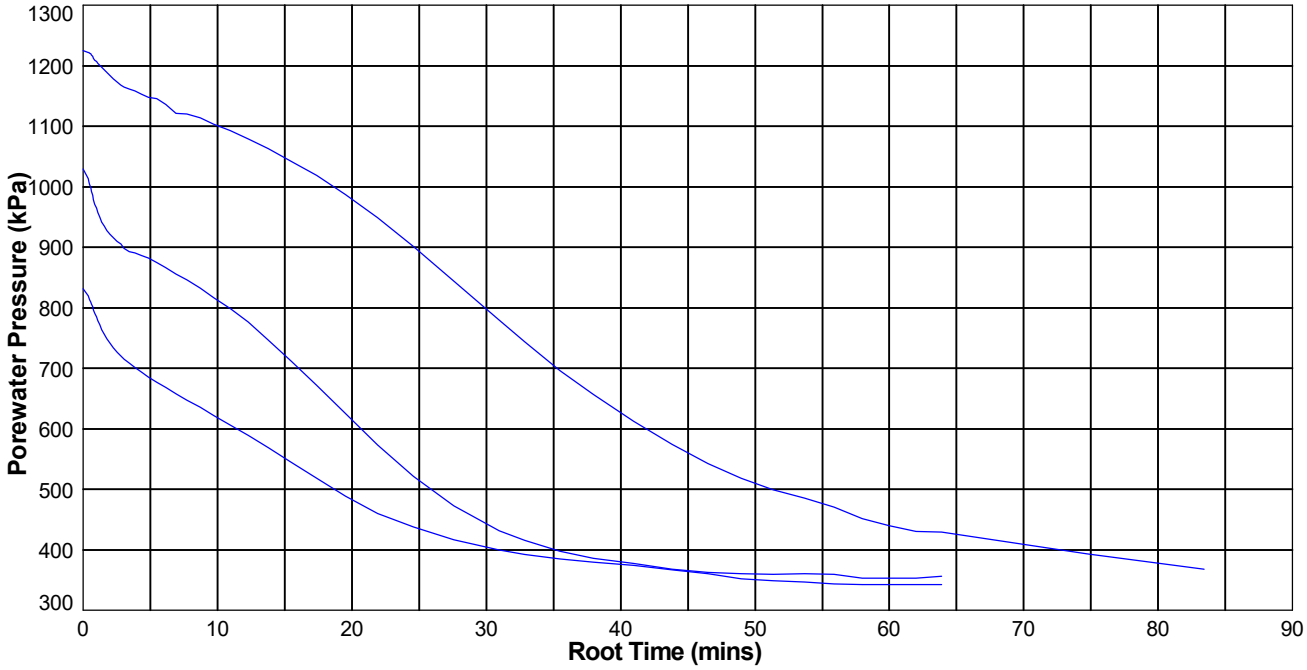
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

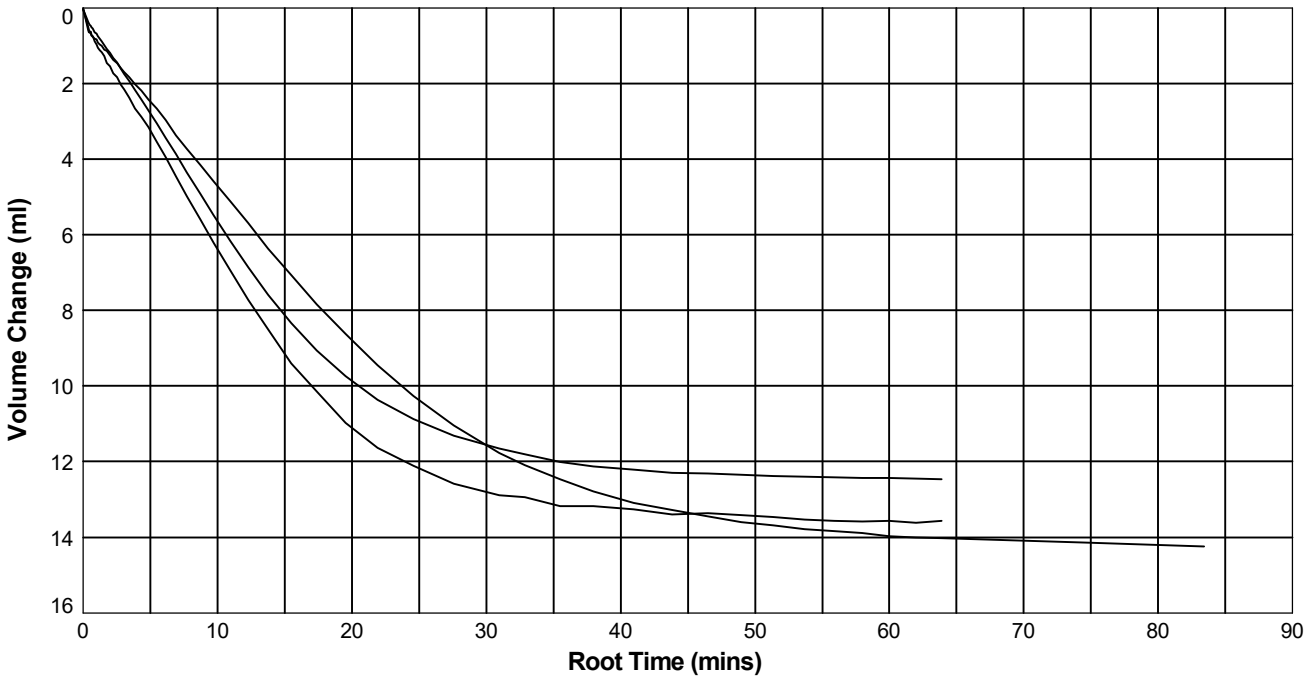
Borehole : **DCBH2019_6** Sample Ref : **31** Sample Type : **C** Depth (m) : **66.21**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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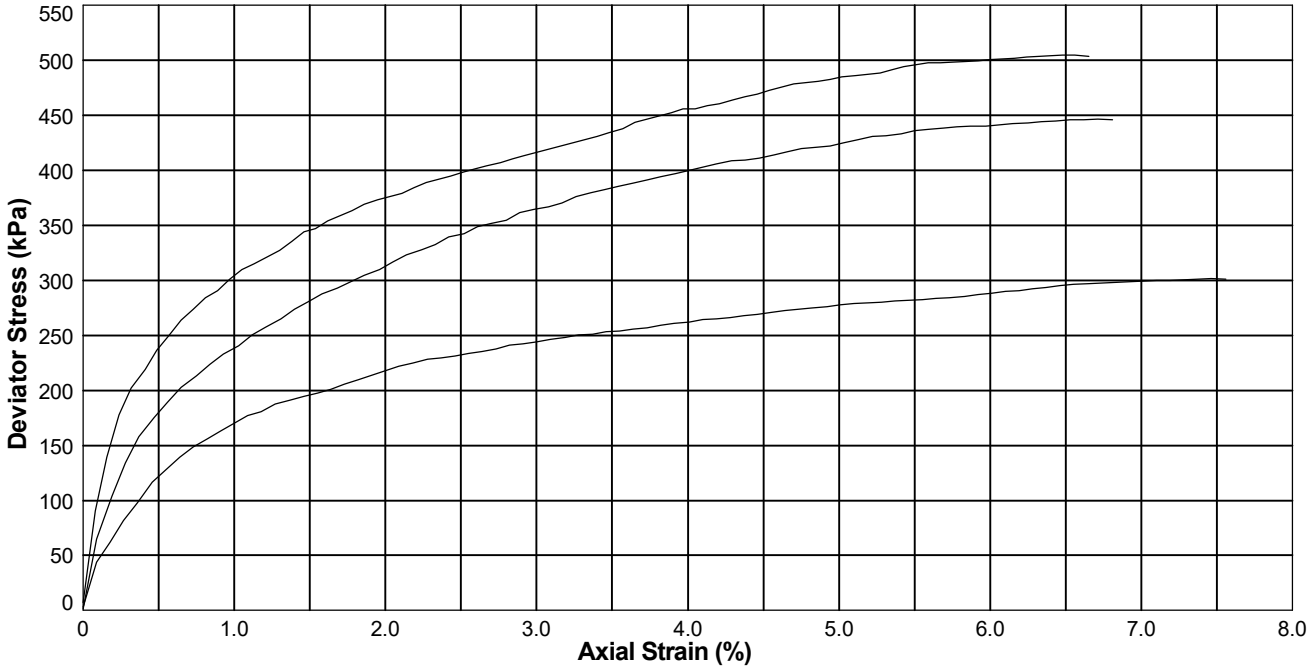
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

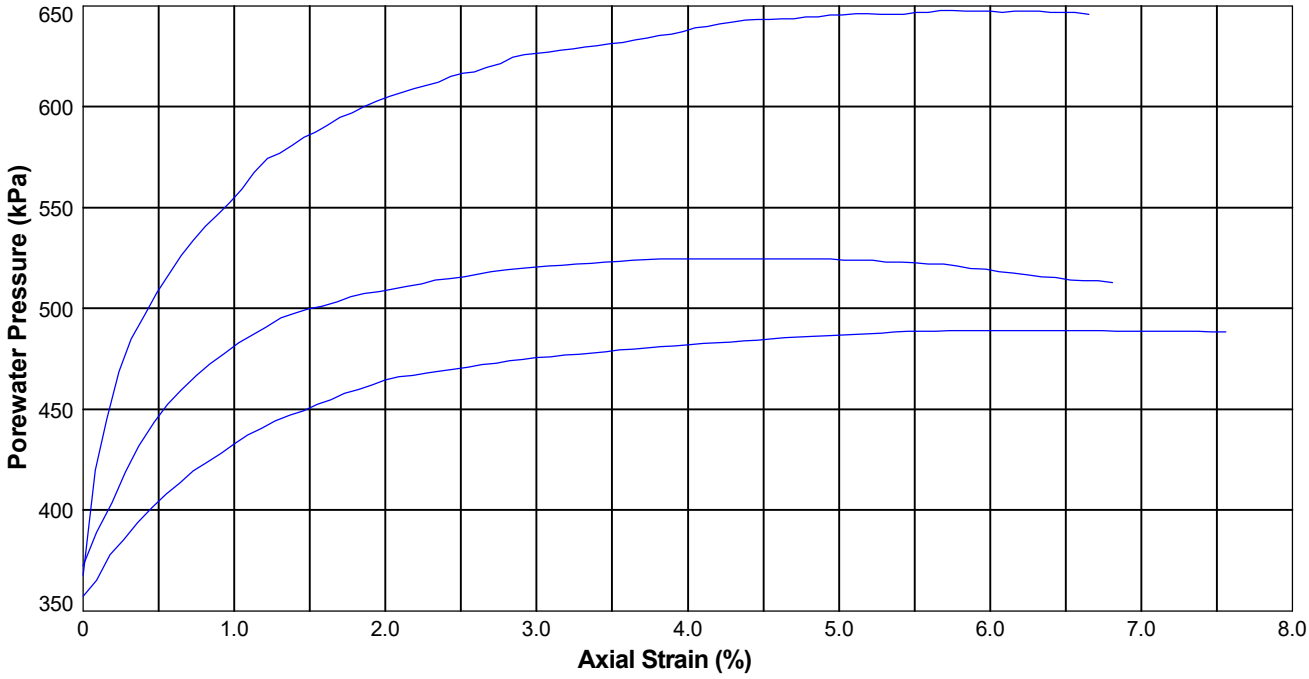
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **31** Sample Type : **C** Depth (m) : **66.21**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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By	Date
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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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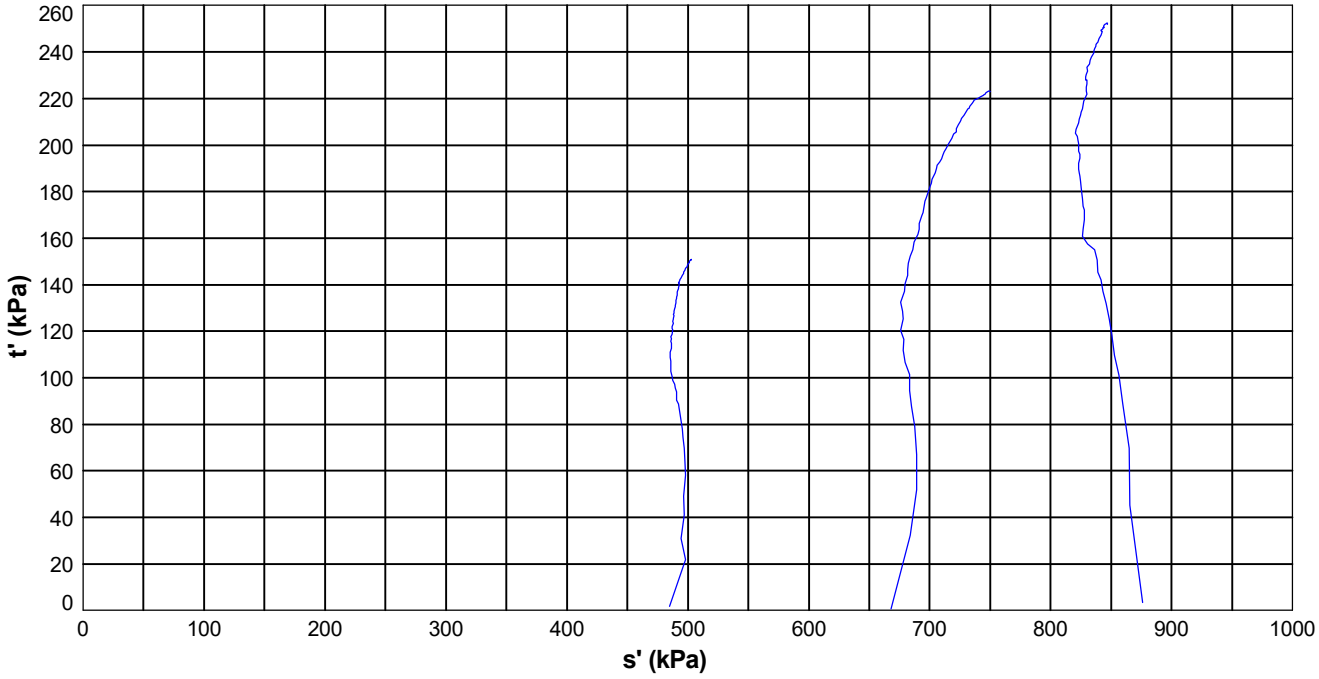
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

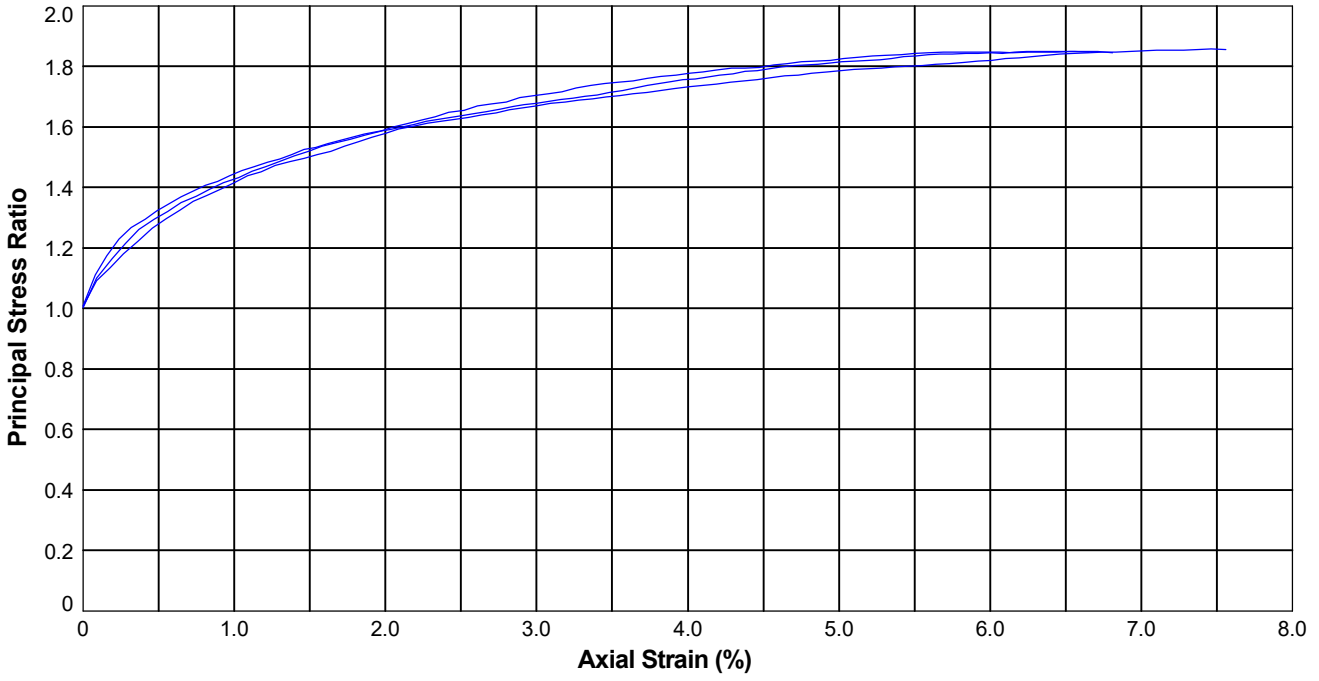
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **31** Sample Type : **C** Depth (m) : **66.21**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

[redacted]

By	Date
FRANCESCA BENNETT	**12/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

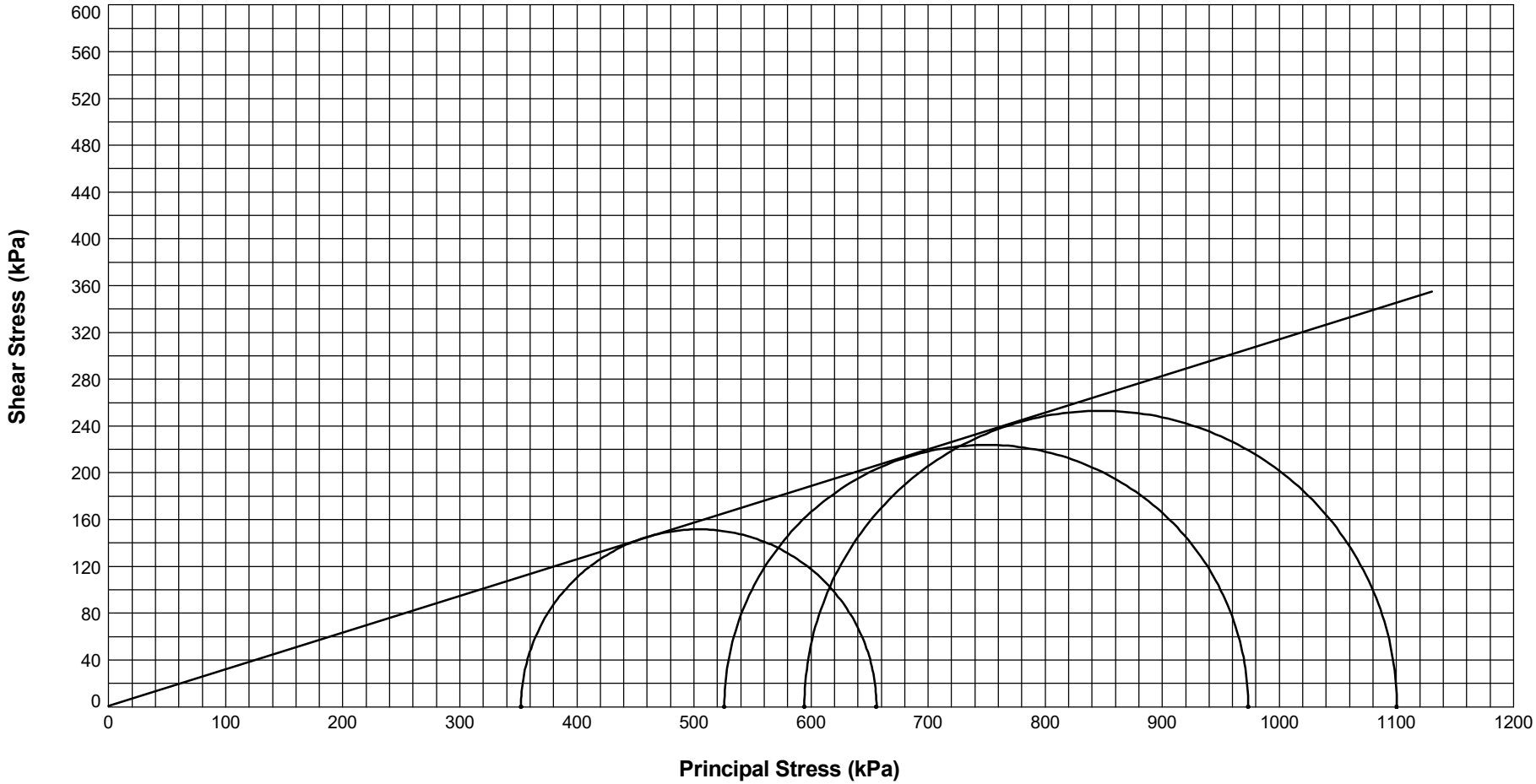
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **31** Sample Type : **C** Depth (m) : **66.21**



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Bedminster
Bristol
BS3 4AG

Compiled By		Date
[redacted]	FRANCESCA BENNETT	12.05.20
Contrac[redacted]		

Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - EFFECTIVE STRESS 17892 MOHR - A4L | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 12/05/20 - 09:31 | AF3 |

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

SPECIMEN DETAILS			
TEST DETAILS			
		Specimen No. 1	**Specimen No. 2**	**Specimen No. 3**
	mm			
	mm			
	%			
	Mg/m³			
SATURATION STAGE				
	kPa			
	kPa			
	day(s)			
CONSOLIDATION STAGE				
	kPa			
	kPa			
	kPa			
	kPa			
	%			
	day(s)			
SHEARING STAGE				
	kPa			
	mm/min			
	kPa			
	kPa			
CONDITIONS AT FAILURE	*criteria*			
	kPa			
	kPa			
	kPa			
	kPa			
	%			
Membrane & filter correction applied to Deviator Stress	*kPa*			
	day(s)			
	%			
	Mg/m³			
EFFECTIVE STRESS PARAMETERS				
	kPa			
	degrees			
FAILURE SKETCH				

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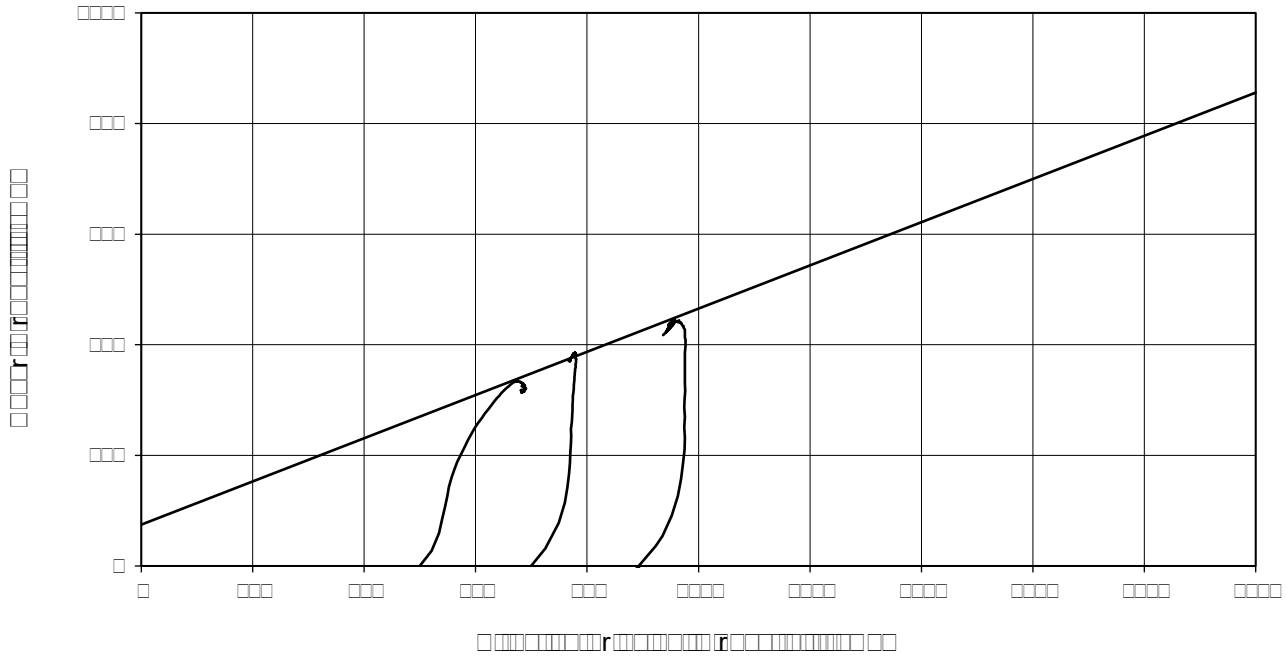
SIZEWELL C GI PHASE 2 TO1

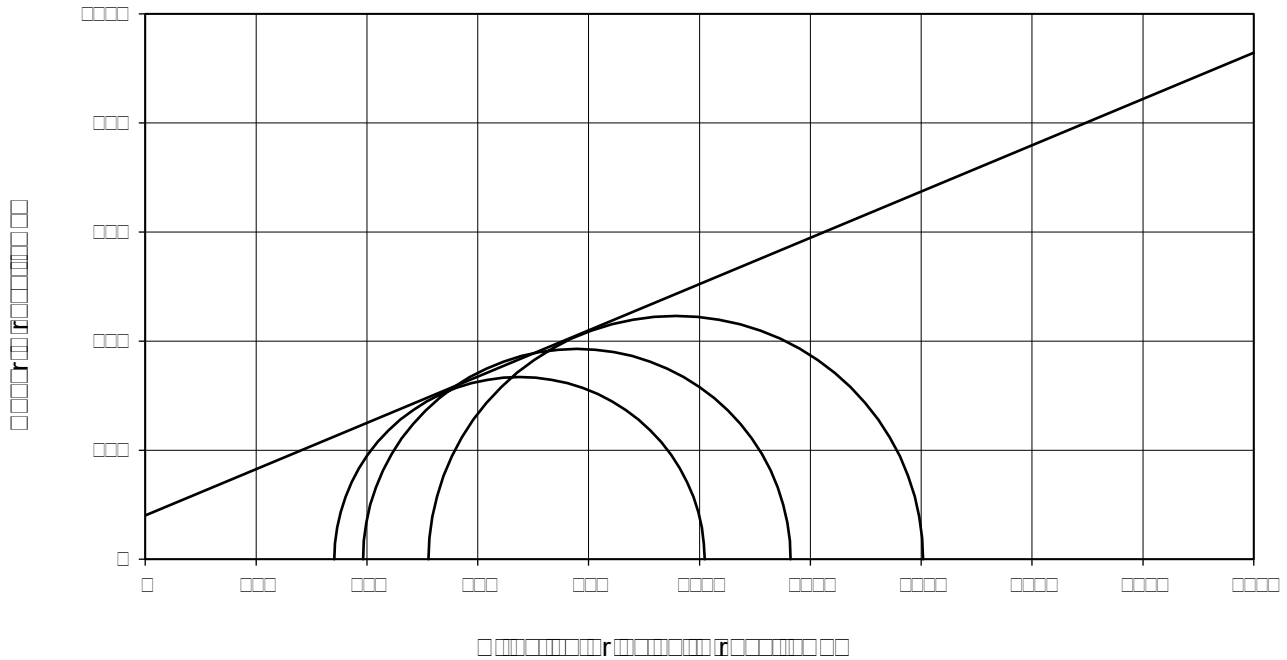
734318

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Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure





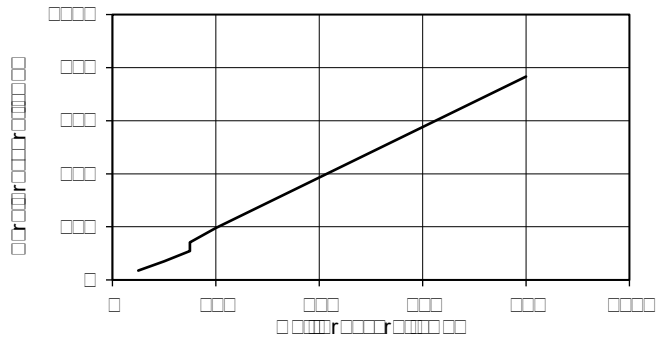
GEO / 30788

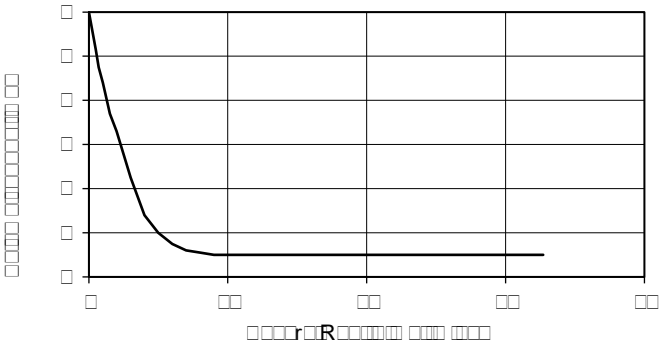
SIZEWELL C GI PHASE 2 TO1

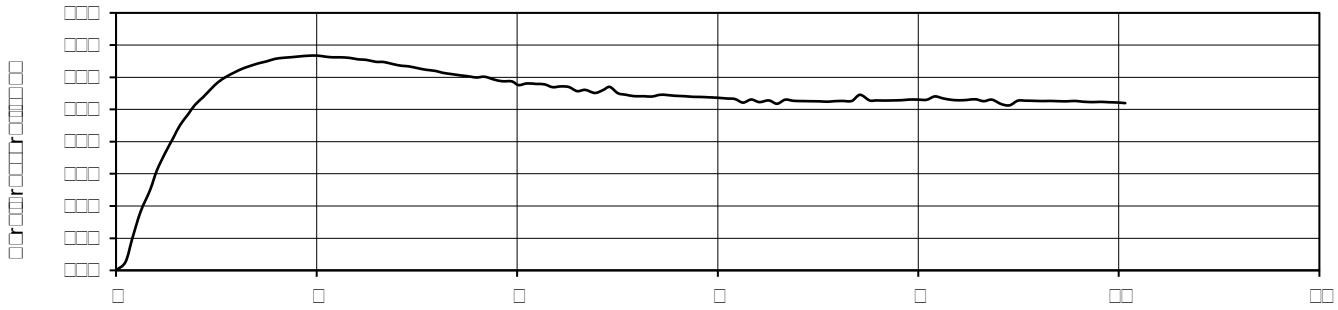
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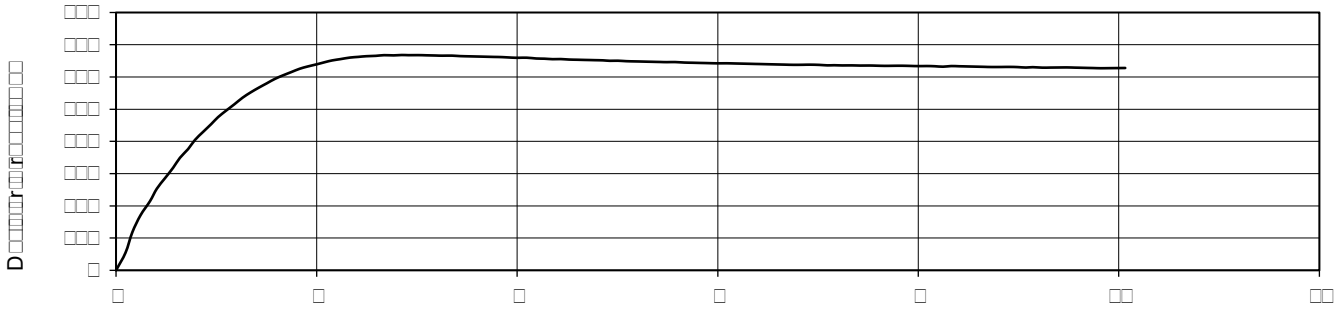
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

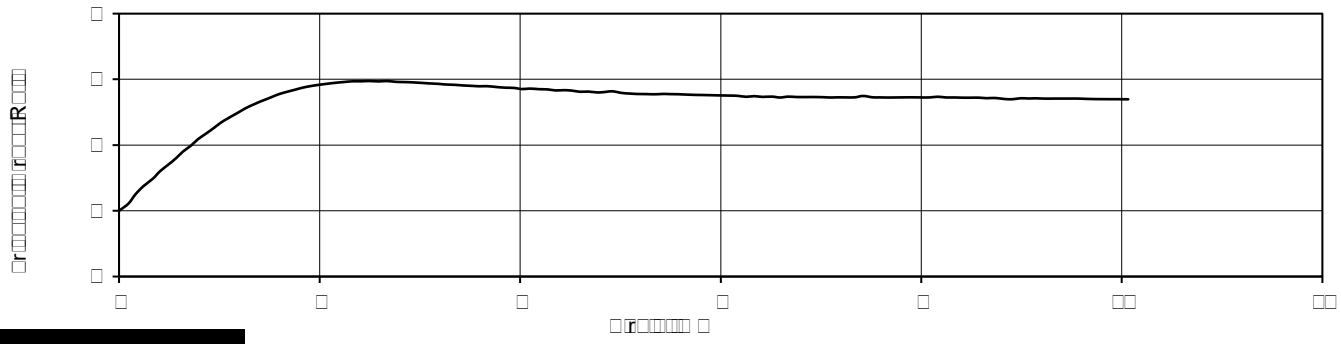
Specimen 1











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SIZEWELL C GI PHASE 2 TO1

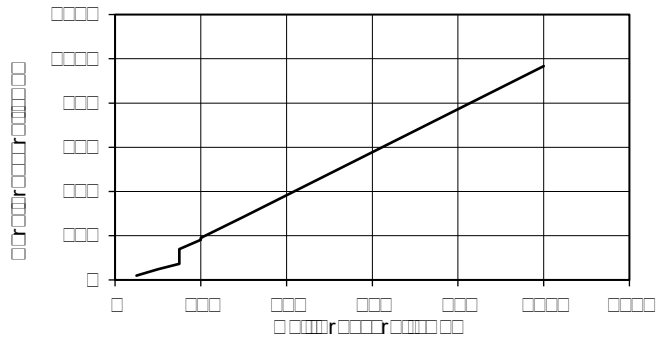
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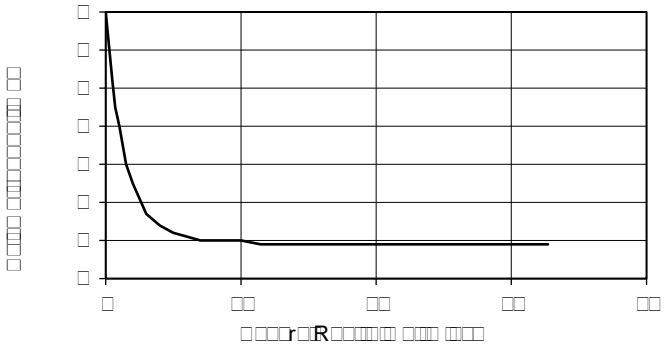
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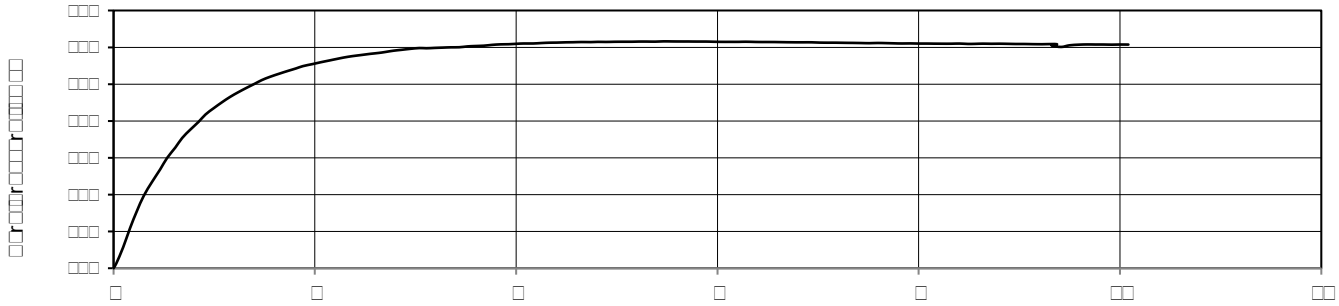
UKAS TESTING 1982

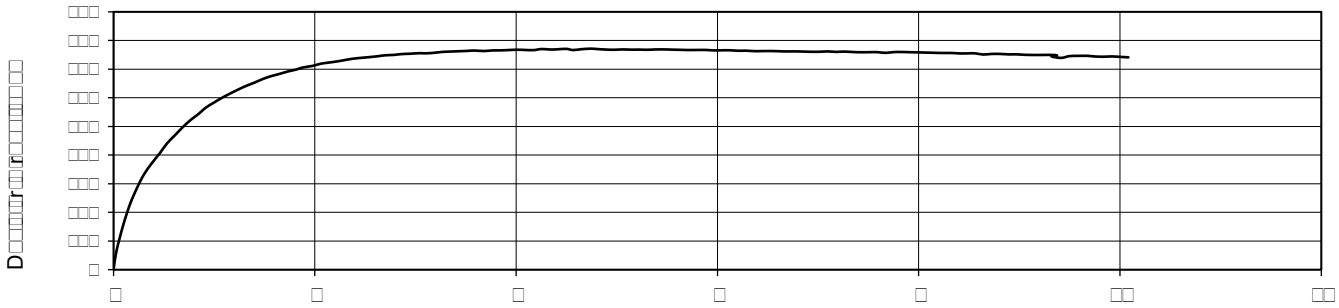
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

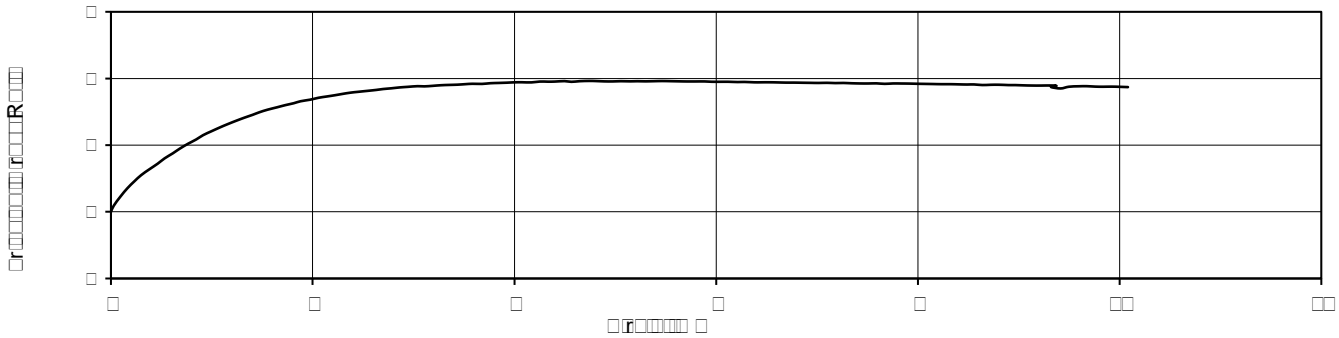
Specimen 2











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SIZEWELL C GI PHASE 2 TO1

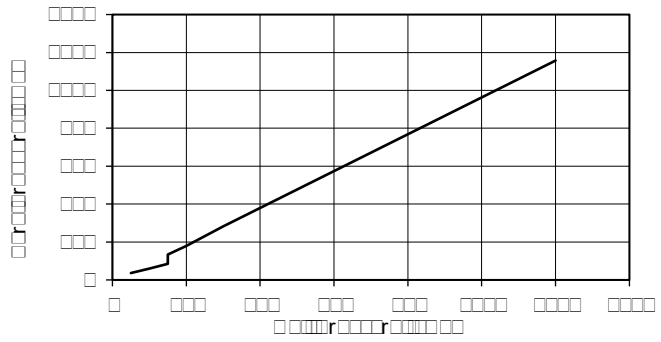
734318

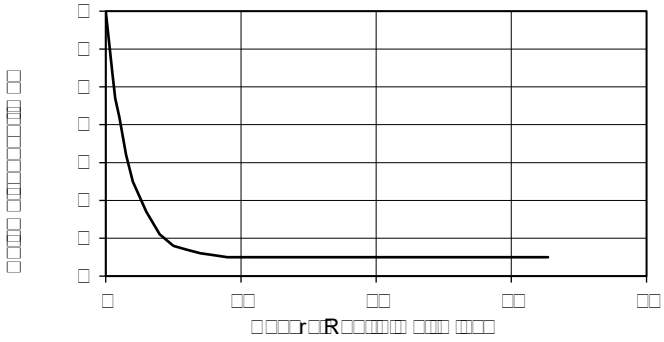
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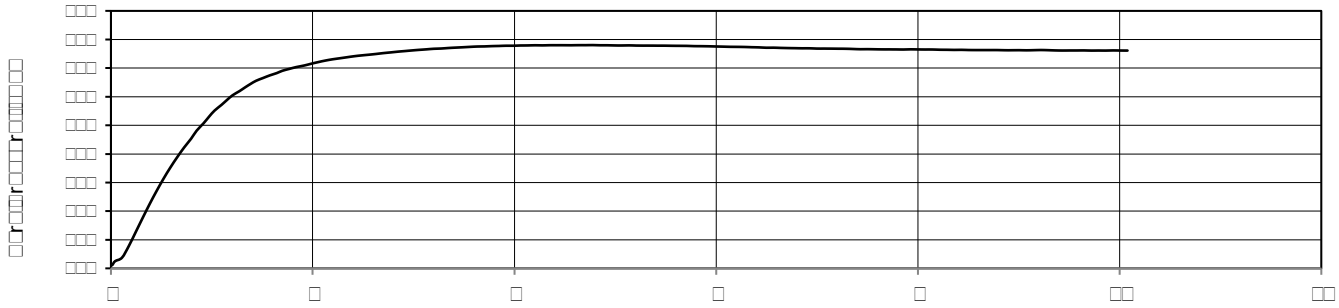
UKAS TESTING 1982

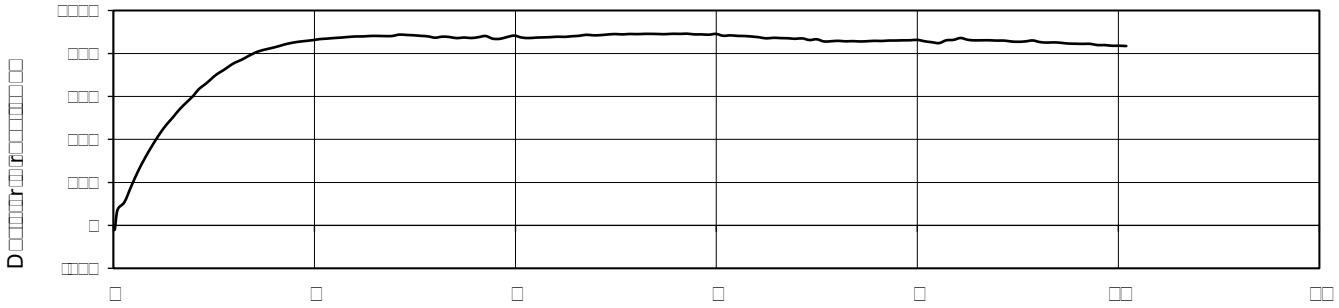
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

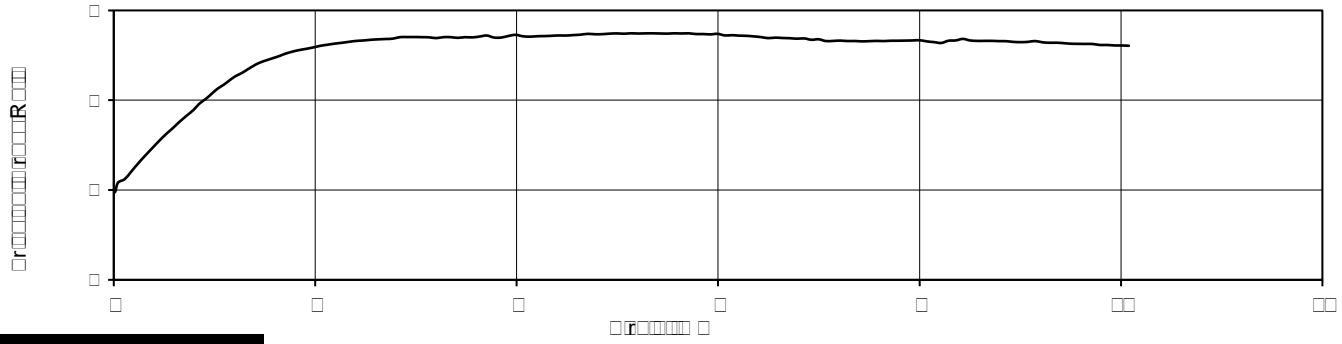
Specimen 3











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SIZEWELL C GI PHASE 2 TO1

734318

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **37** Sample Type : **C** Depth (m) : **71.45**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Greyish brown CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**38.23**	**38.06**	**38.17**
Initial Height (mm)	**75.79**	**75.82**	**75.71**
Initial Mass (g)	**158.39**	**158.36**	**159.20**
Initial Moisture Content (%)	**41**	**39**	**39**
Initial Bulk Density (Mg/m^3)	**1.82**	**1.84**	**1.84**
Initial Dry Density (Mg/m^3)	**1.29**	**1.32**	**1.32**
Initial B-Value	**0.66**	**0.51**	**0.66**
Final Moisture Content (%)	**42**	**38**	**38**
Final Bulk Density (Mg/m^3)	**2.25**	**2.13**	**2.13**
Final Dry Density (Mg/m^3)	**1.58**	**1.55**	**1.54**
SATURATION			
Duration (days)	**5**	**5**	**5**
Final B-Value	**0.96**	**0.96**	**0.95**
CONSOLIDATION			
Duration (days)	**16**	**4**	**8**
Cell Pressure (kPa)	**990**	**1190**	**1389**
Back Pressure (kPa)	**390**	**390**	**389**
Initial Volume (cm^3)	**86.994**	**86.264**	**86.641**
Final Volume (cm^3)	**71.034**	**73.254**	**73.911**
Change in Volume (cm^3)	**15.960**	**13.010**	**12.730**
COMPRESSION			
Duration (days)	**3**	**9**	**6**
Cell Pressure (kPa)	**990**	**1190**	**1389**
Initial Porewater Pressure (kPa)	**445.5**	**426.4**	**439.1**
Strain Rate (mm/min)	**0.00041**	**0.00050**	**0.00050**
Axial Strain at Failure (%)	**1.85**	**3.74**	**3.87**
Time to Failure (h)	**53.4**	**89.7**	**92.9**
Deviator Stress at Failure (kPa)	**345.0**	**489.9**	**914.0**
Porewater Pressure at Failure (kPa)	**857.6**	**633.1**	**815**
Effective Major Principal Stress (kPa)	**477.7**	**1046.6**	**1488.3**
Effective Minor Principal Stress (kPa)	**132.7**	**556.7**	**574.3**
Effective Principal Stress Ratio	**3.60**	**1.88**	**2.59**
Pore Pressure Coefficient - A_f	**1.19**	**0.42**	**0.41**

Effective Cohesion (kPa) : **58** Angle of Shear Resistance (degs) : **23.5**

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	Date
FRANCESCA BENNETT	**12/05/20**

Job No **734318**

Sizewell C Onshore GI Phase 2 2019

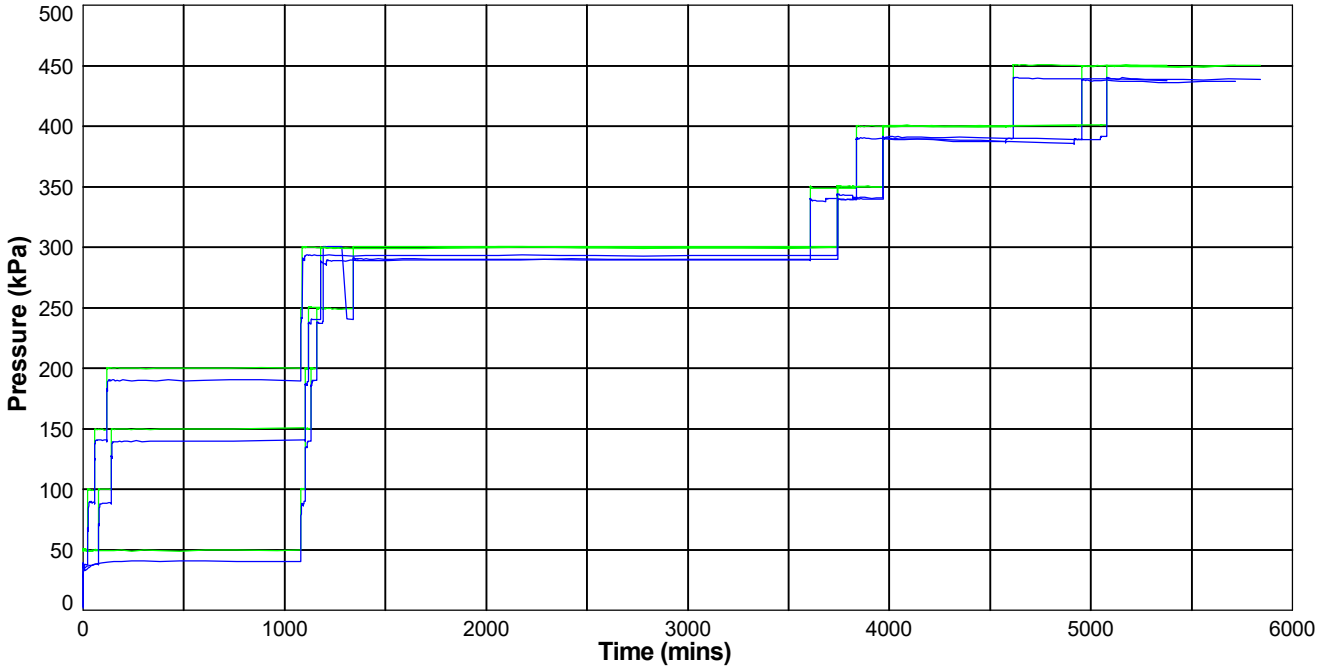
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

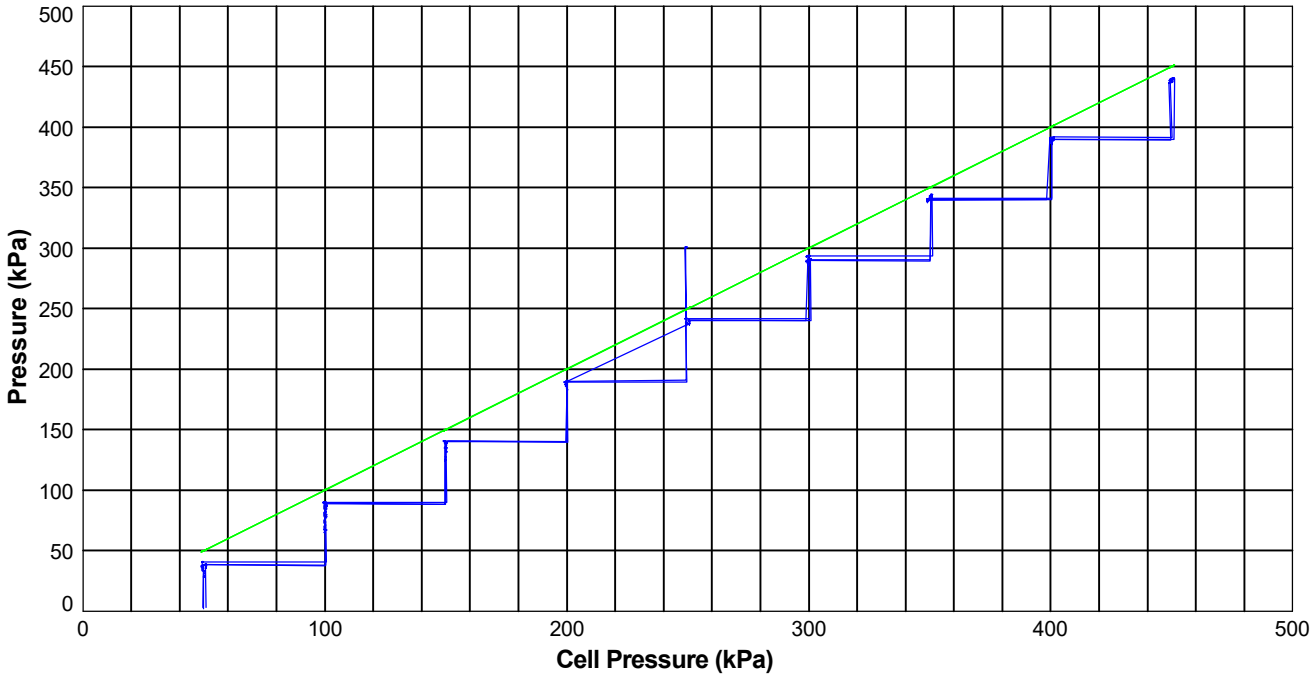
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **37** Sample Type : **C** Depth (m) : **71.45**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

[redacted]

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	iled By	Date
	FRANCESCA BENNETT	**12/05/20**
Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	

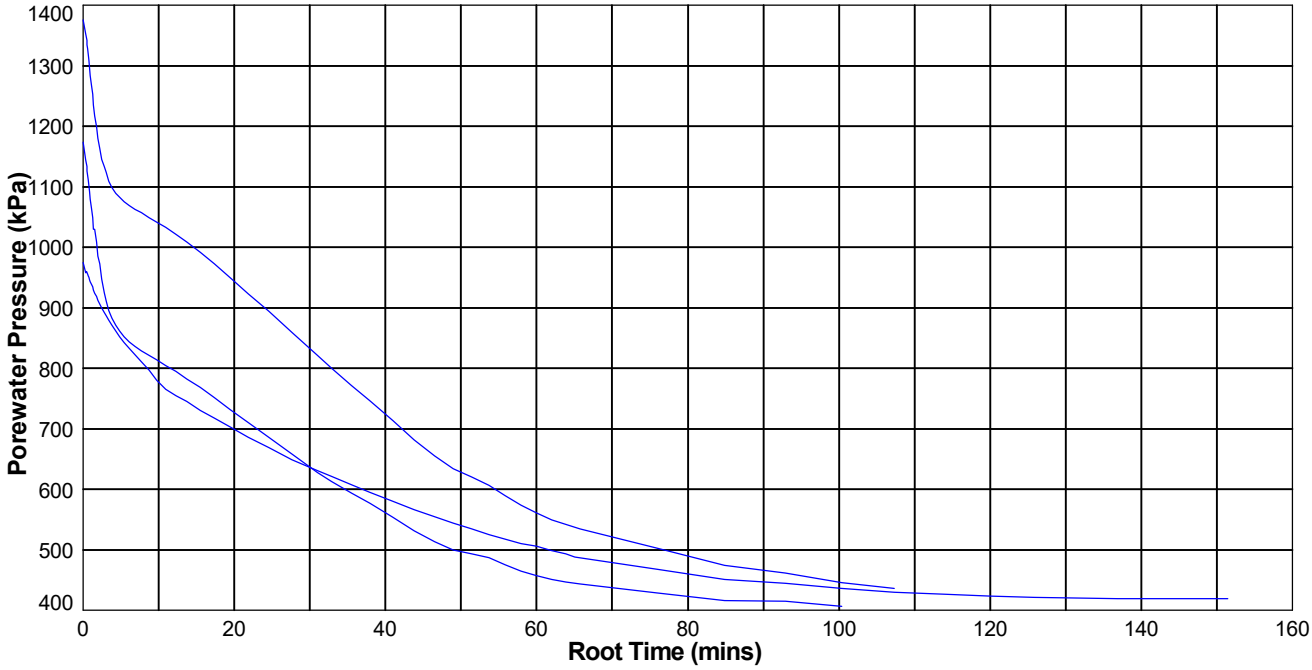
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Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 12/05/20 - 10:01 | AF3 |

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

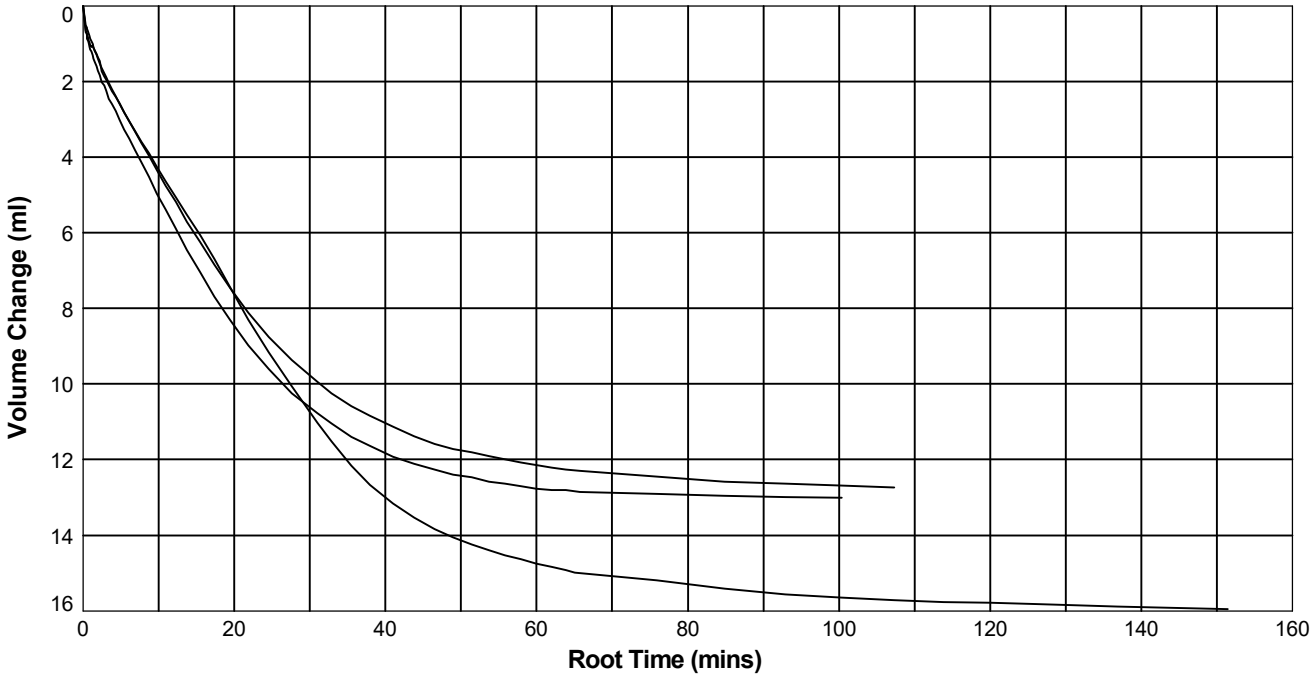
Borehole : **DCBH2019_6** Sample Ref : **37** Sample Type : **C** Depth (m) : **71.45**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	

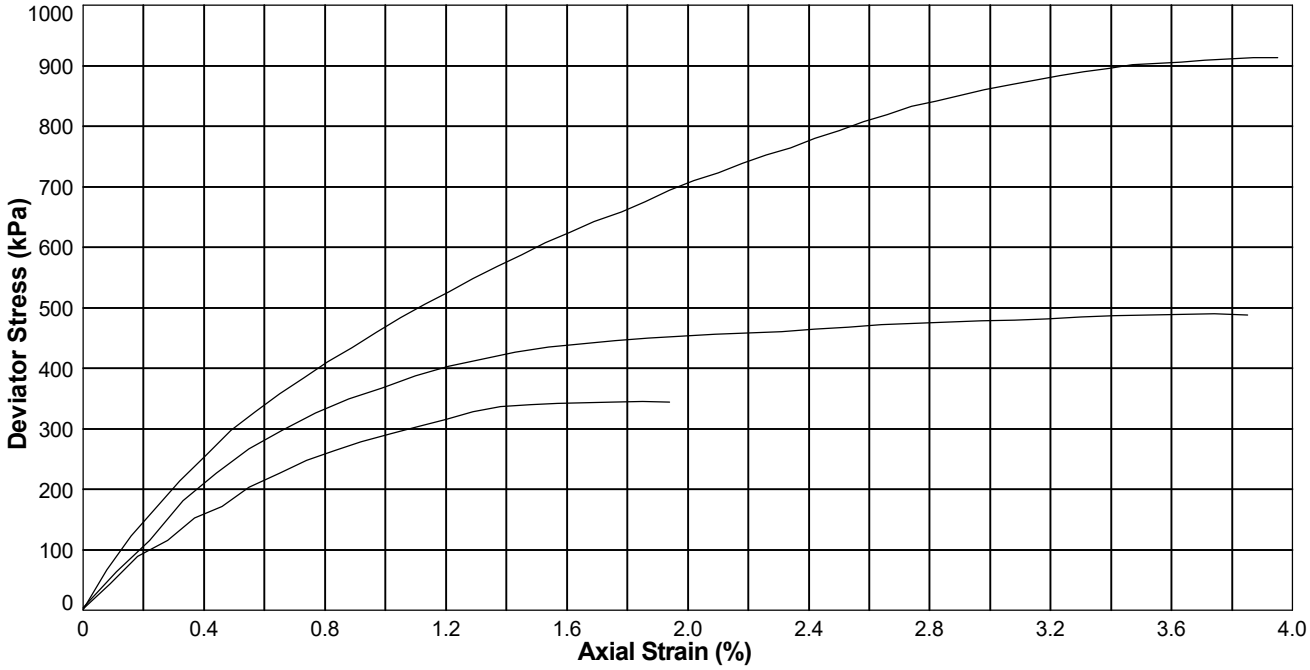
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Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 12/05/20 - 10:03 | AF3 |

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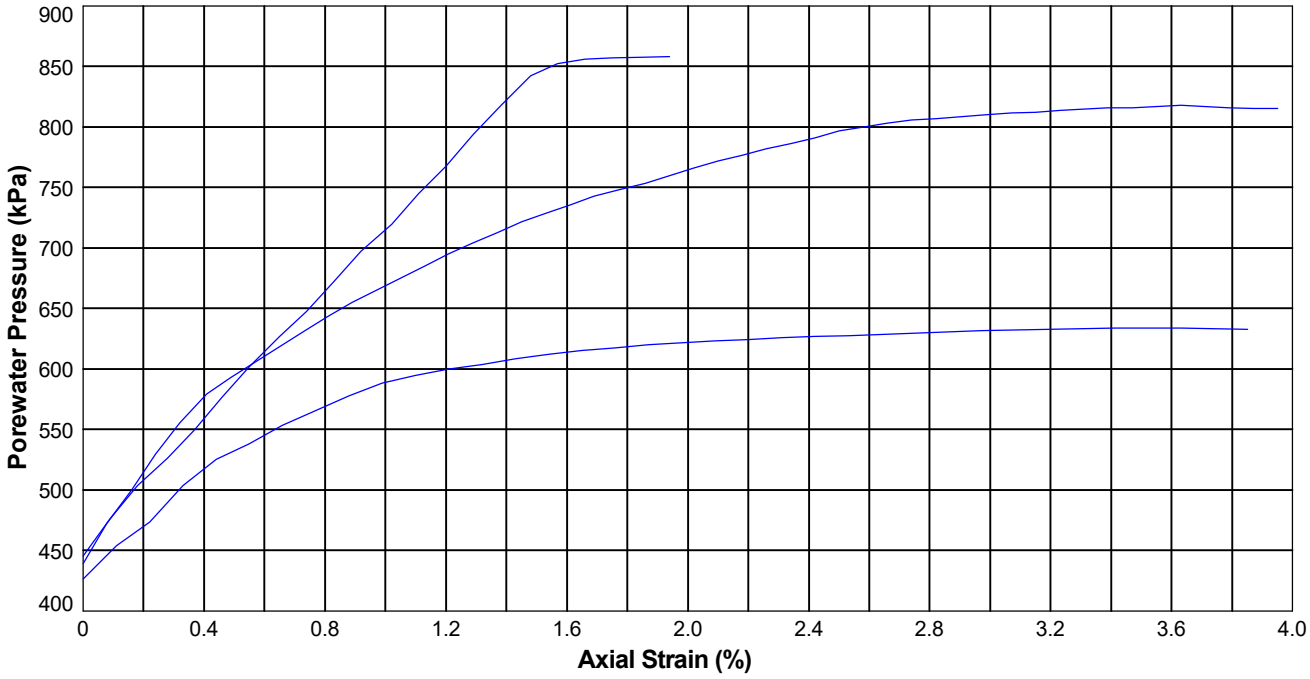
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **37** Sample Type : **C** Depth (m) : **71.45**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOIL
1a Princess Street
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BS3 4AG

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By	Date
FRANCESCA BENNETT	**12/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

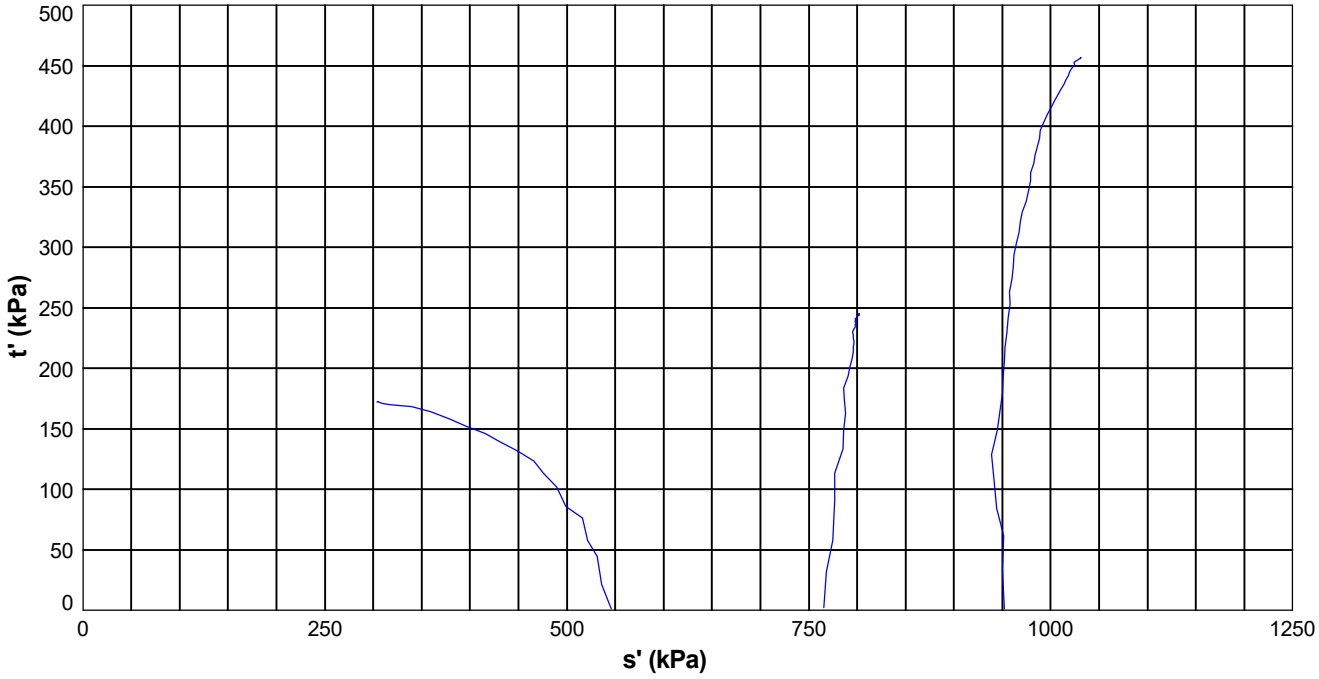
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

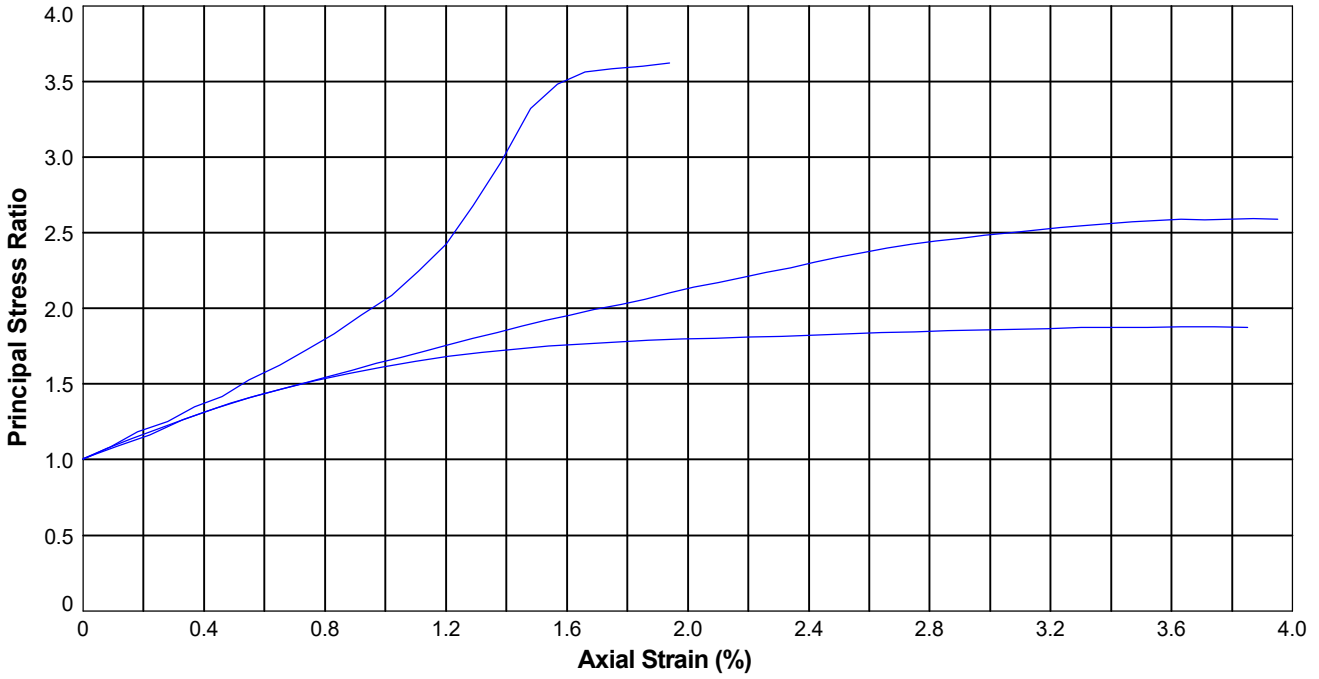
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_6** Sample Ref : **37** Sample Type : **C** Depth (m) : **71.45**

SHEAR STAGE



SHEAR STAGE



Key: Base:

[redacted]

	piled By	Date
	FRANCESCA BENNETT	**12/05/20**

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1a Princess Street
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BS3 4AG

Sizewell C Onshore GI Phase 2 2019

Contract Ref:
734318

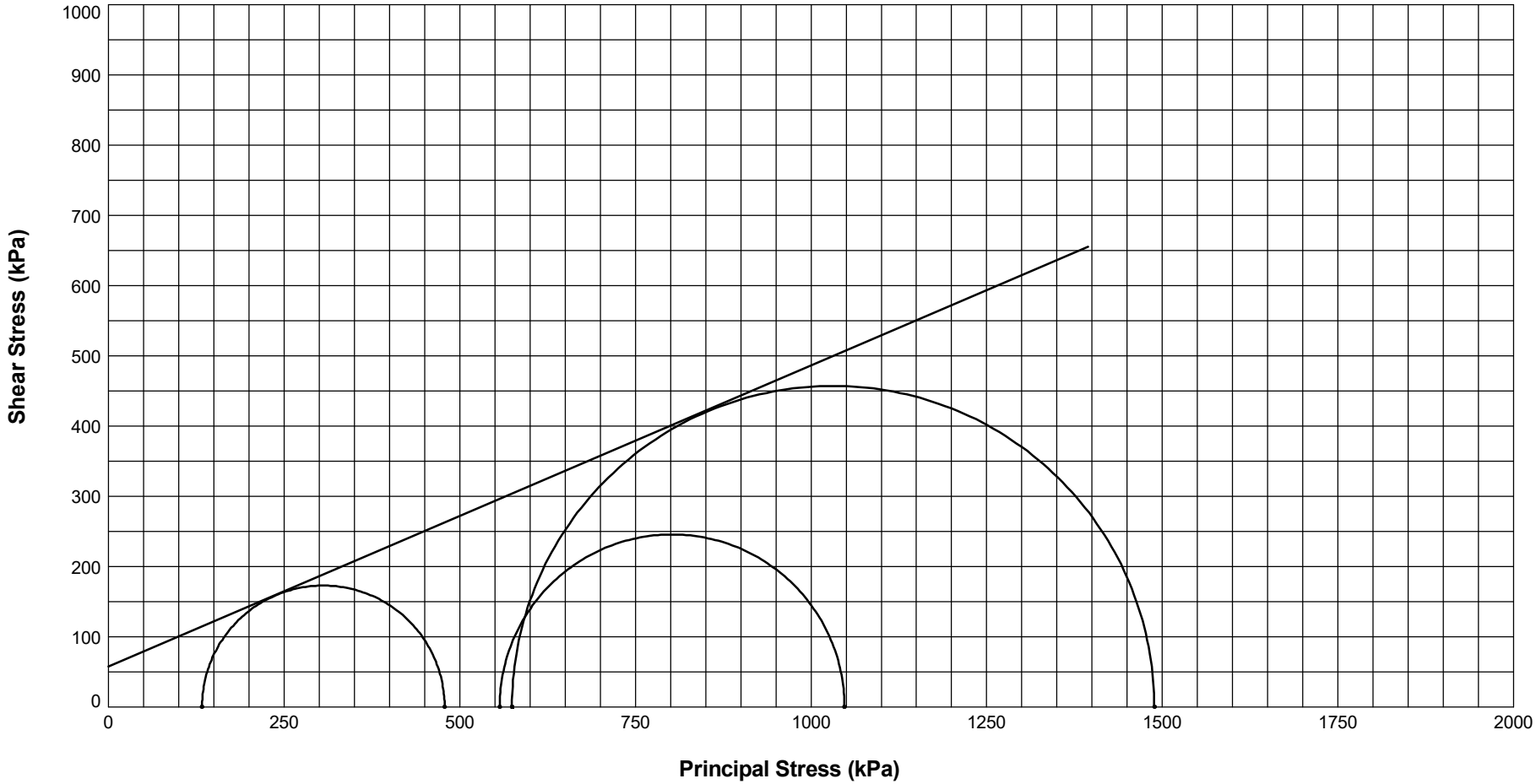
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Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 12/05/20 - 10:09 | AF3 |

CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_6** Sample Ref : **37** Sample Type : **C** Depth (m) : **71.45**



STRUCTURAL SOILS
1a Princess Street
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Bristol
BS3 4AG

Compiled By	Date
FRANCESCA BENNETT	12.05.20

Contr [redacted]

Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - EFFECTIVE STRESS 17892 MOHR - A4L | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

		Specimen No. 1	Specimen No. 2	Specimen No. 3
SPECIMEN DETAILS				
TEST DETAILS				
	mm			
	mm			
	%			
	Mg/m³			
SATURATION STAGE				
	kPa			
	kPa			
	day(s)			
CONSOLIDATION STAGE				
	kPa			
	kPa			
	kPa			
	kPa			
	%			
	day(s)			
SHEARING STAGE				
	kPa			
	mm/min			
	kPa			
	kPa			
CONDITIONS AT FAILURE	*criteria*			
	kPa			
	kPa			
	kPa			
	kPa			
	%			
Membrane & filter correction applied to Deviator Stress	*kPa*			
	day(s)			
	%			
	Mg/m³			
EFFECTIVE STRESS PARAMETERS				
	kPa			
	degrees			
FAILURE SKETCH				

[redacted]

GEO / 30788

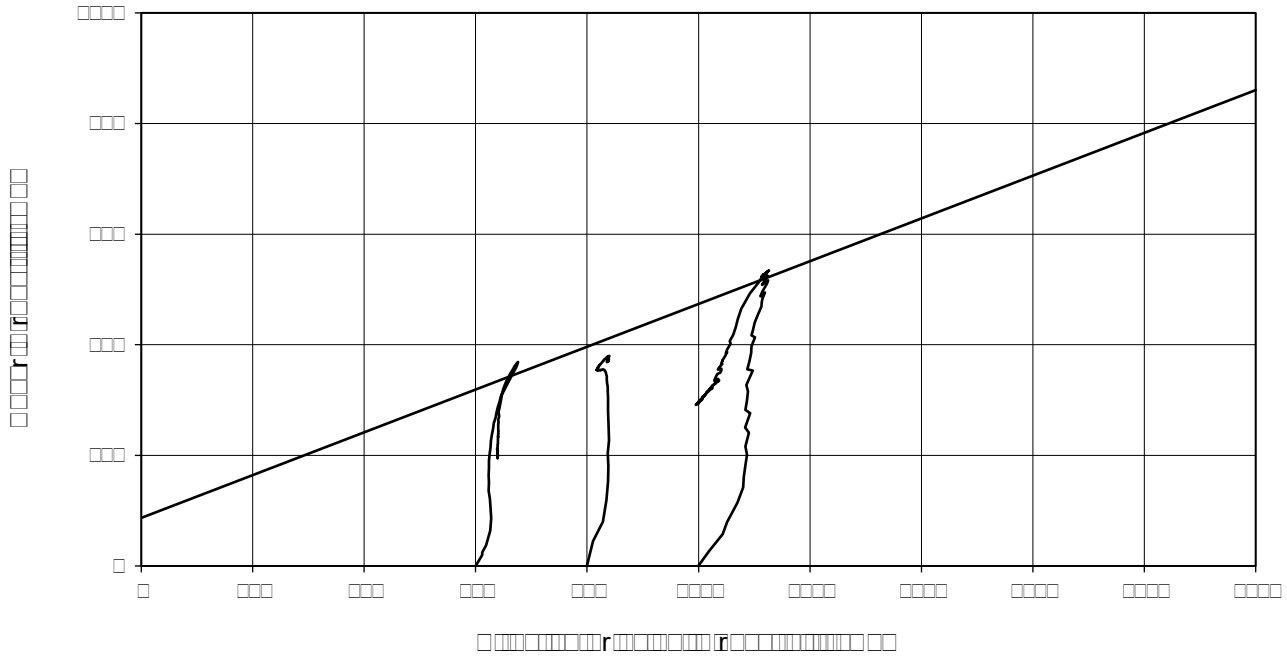
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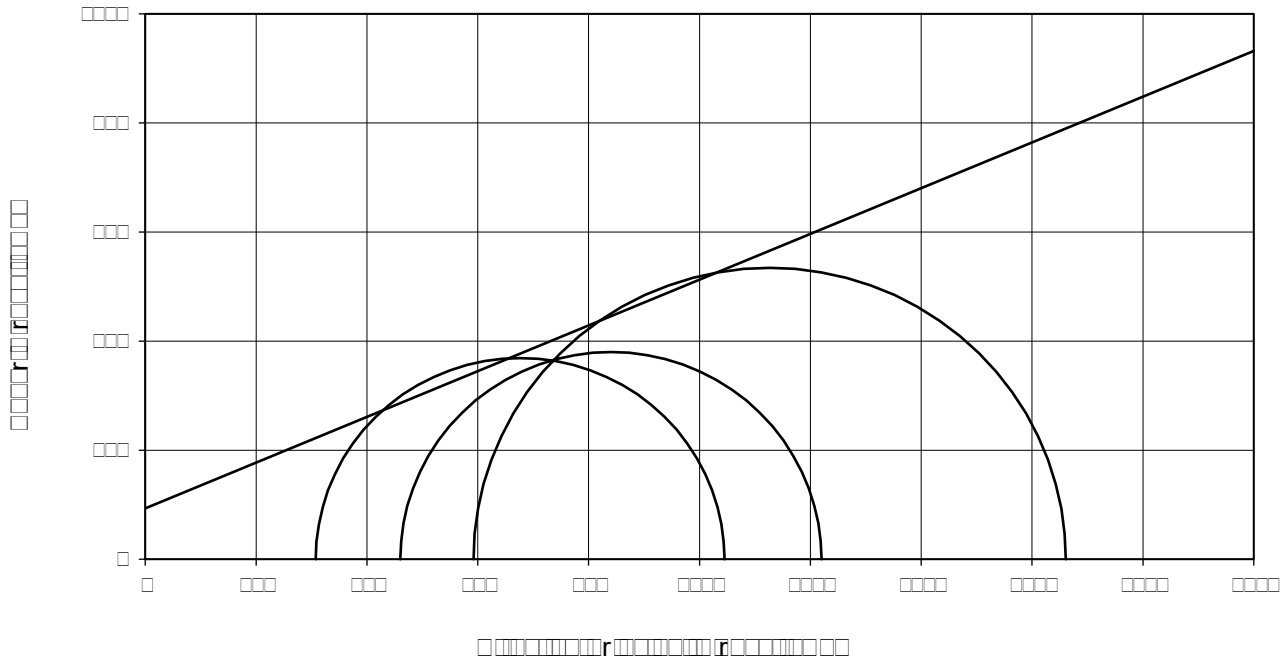
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UKAS TESTING 1982

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure





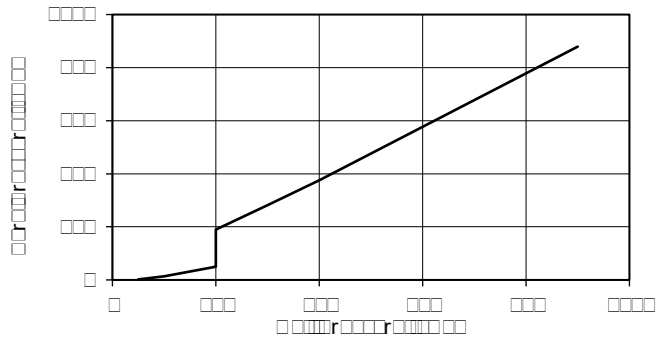
GEO / 30788

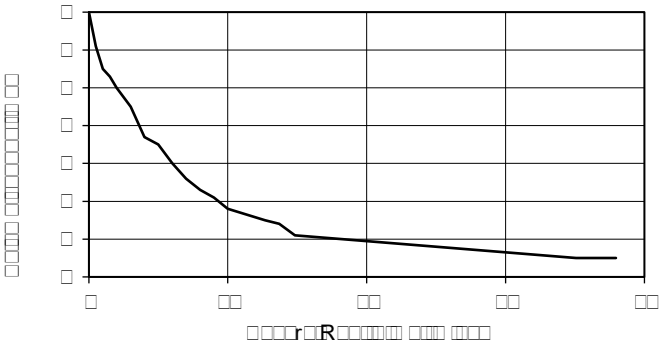
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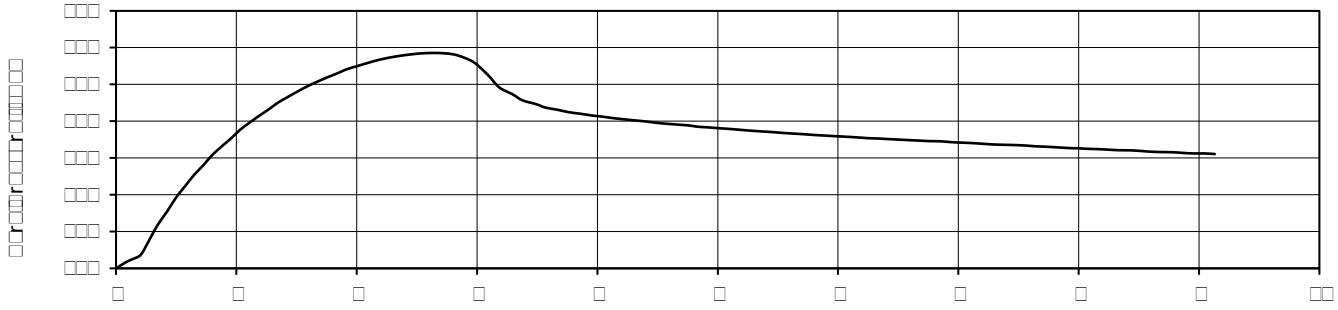
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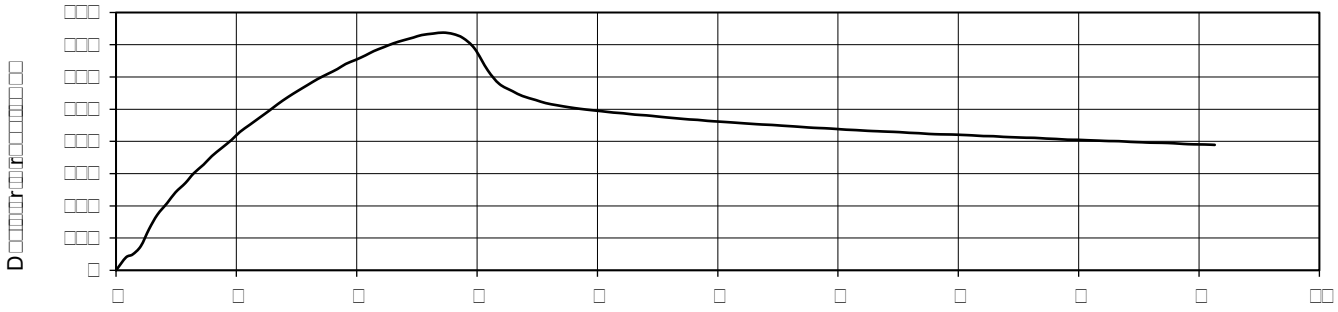
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

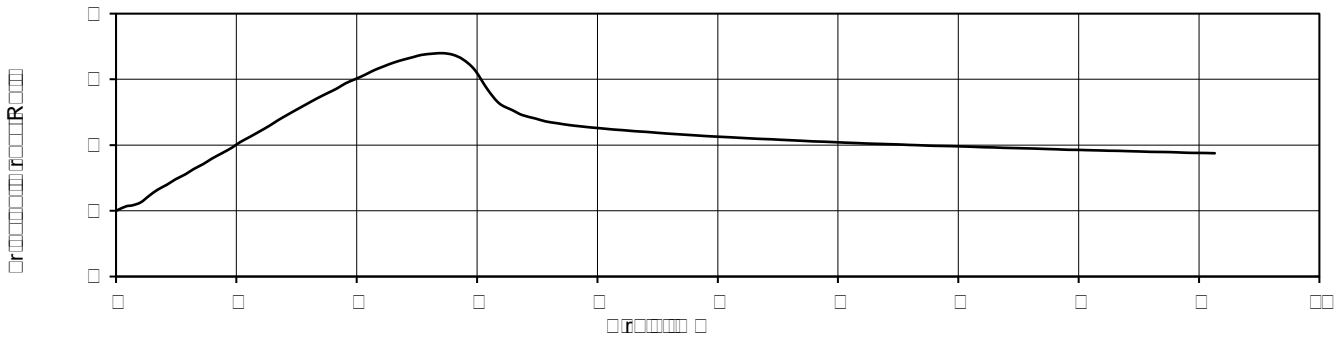
Specimen 1











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SIZEWELL C GI PHASE 2 TO1

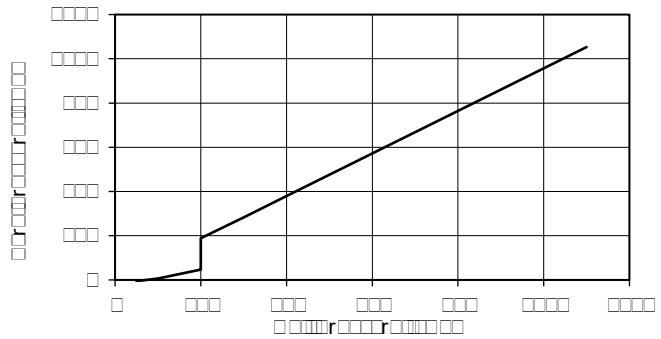
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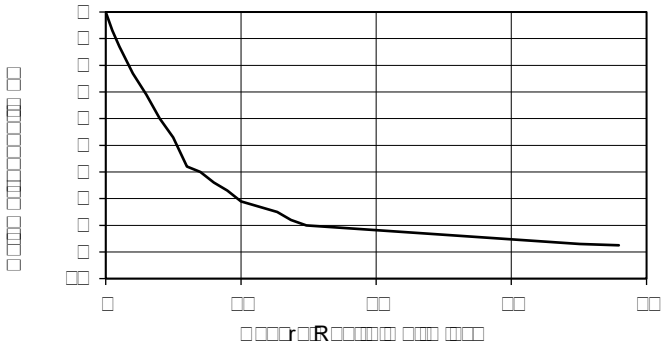
GEOLABS

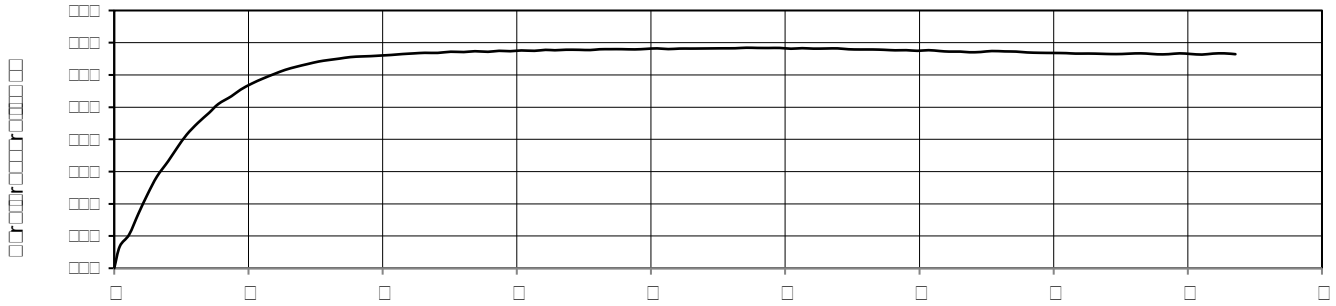
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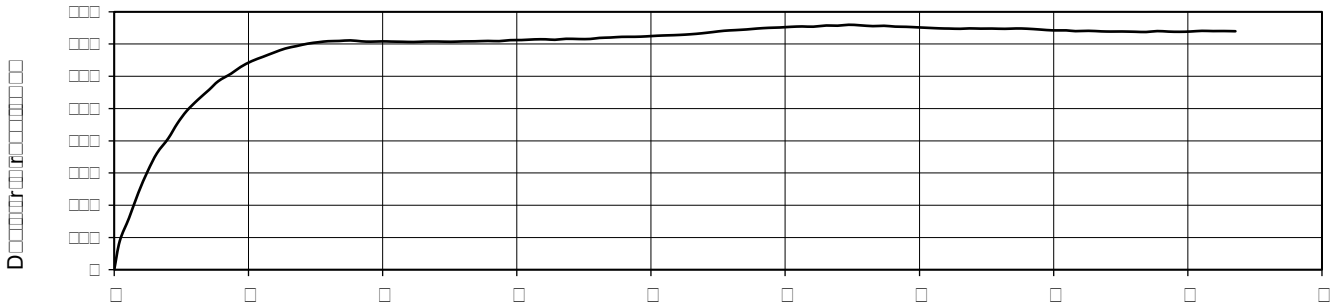
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

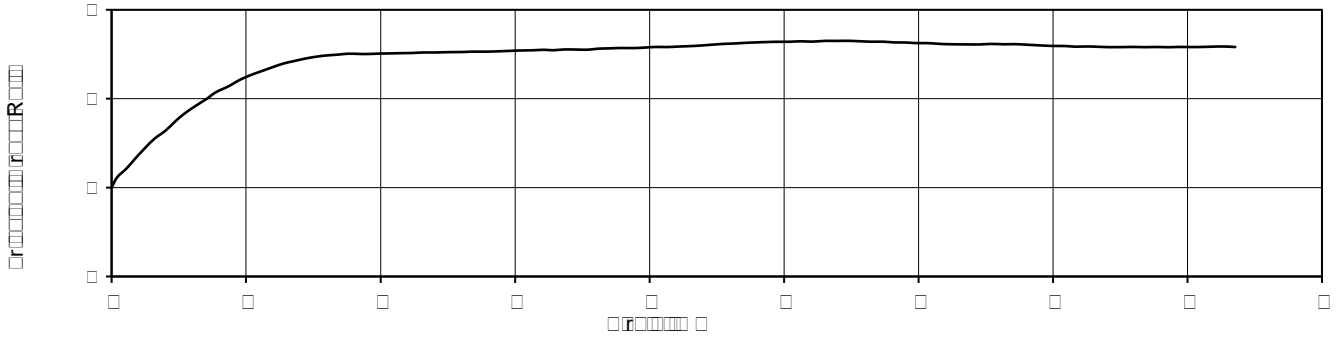
Specimen 2











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SIZEWELL C GI PHASE 2 TO1

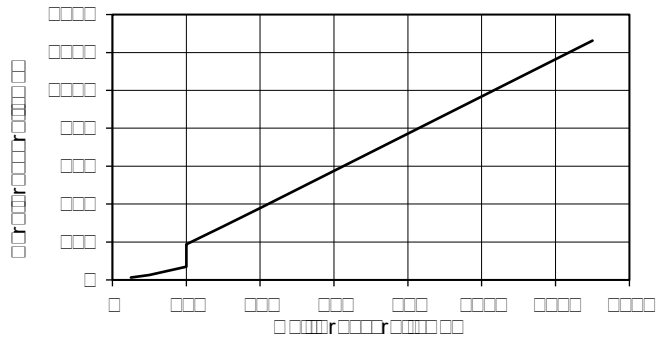
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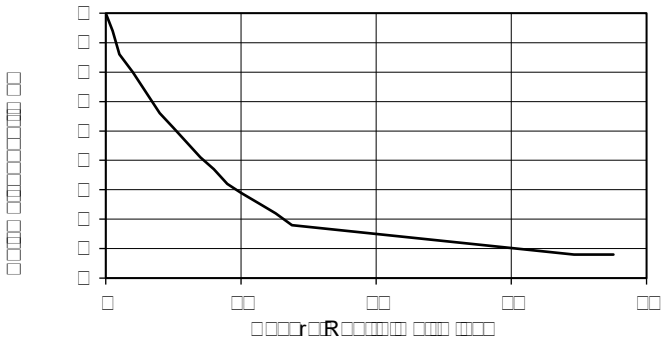
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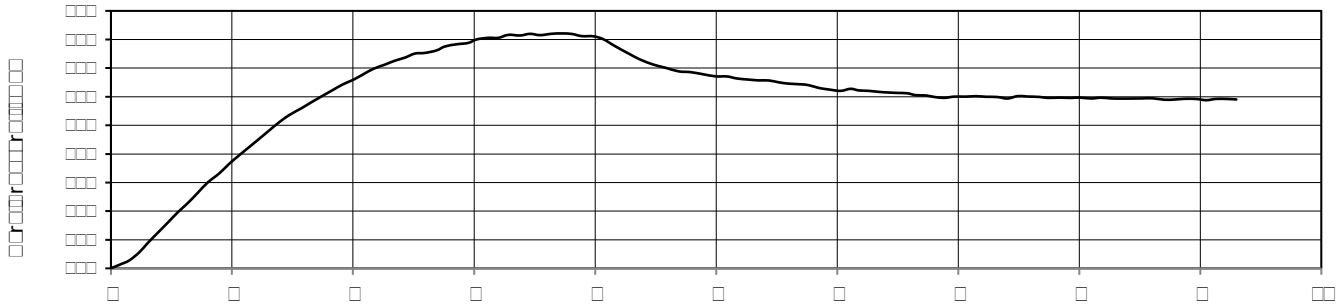
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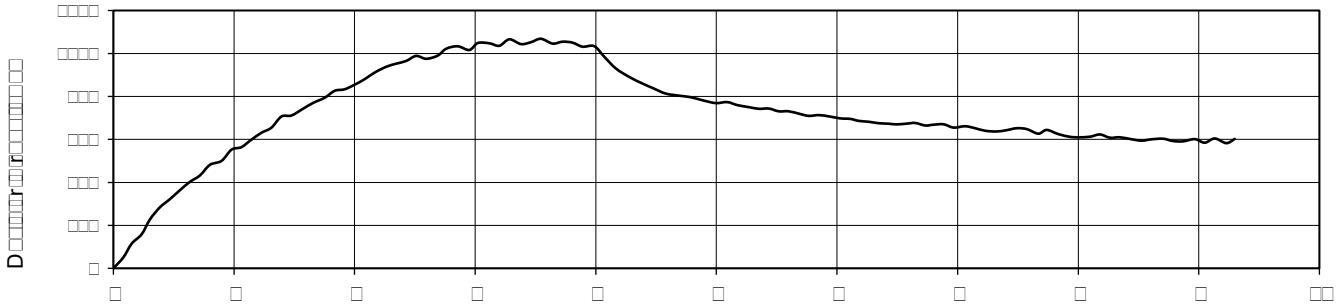
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

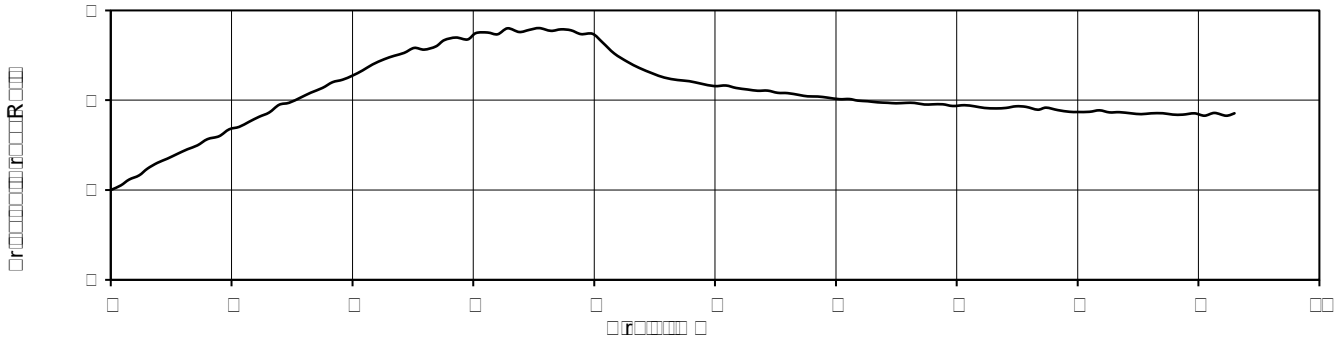
Specimen 3











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SIZEWELL C GI PHASE 2 TO1

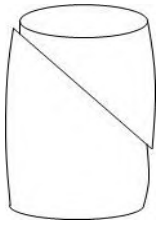
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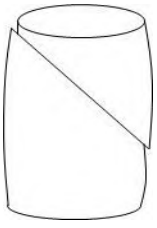
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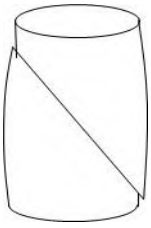
UKAS TESTING 1982

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

		Specimen No. 1	Specimen No. 2	Specimen No. 3
SPECIMEN DETAILS				
TEST DETAILS				
SATURATION STAGE				
CONSOLIDATION STAGE				
SHEARING STAGE				
CONDITIONS AT FAILURE	*criteria*			
EFFECTIVE STRESS PARAMETERS				
FAILURE SKETCH				





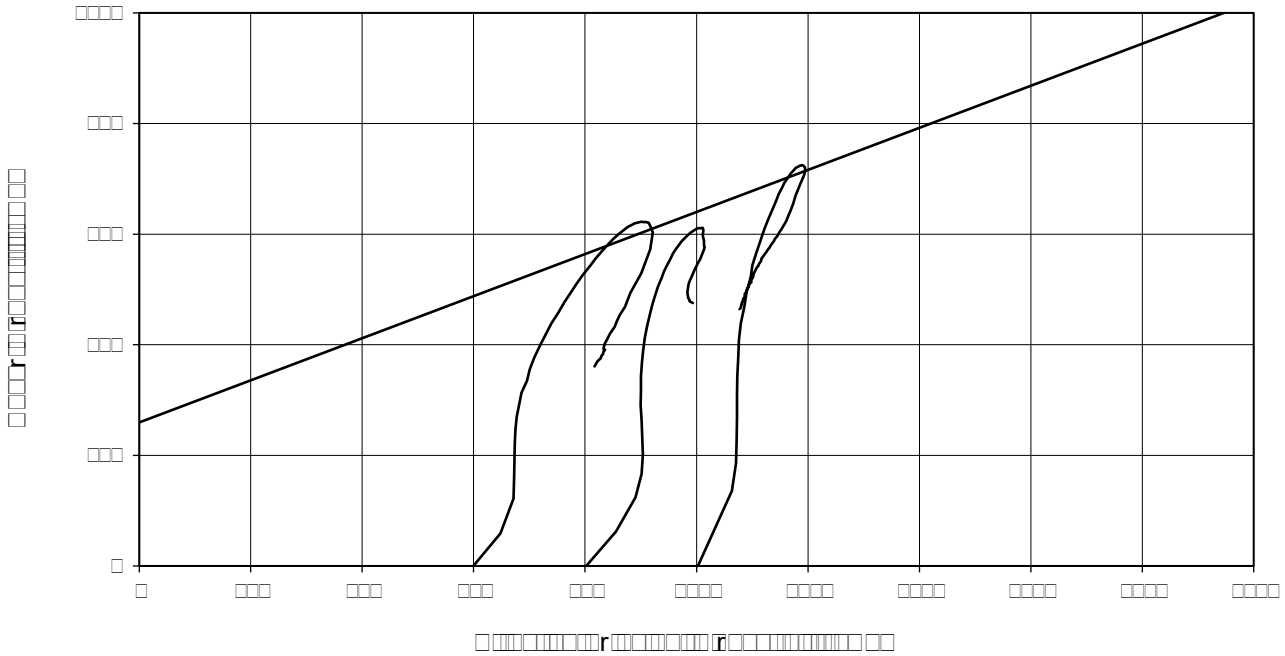


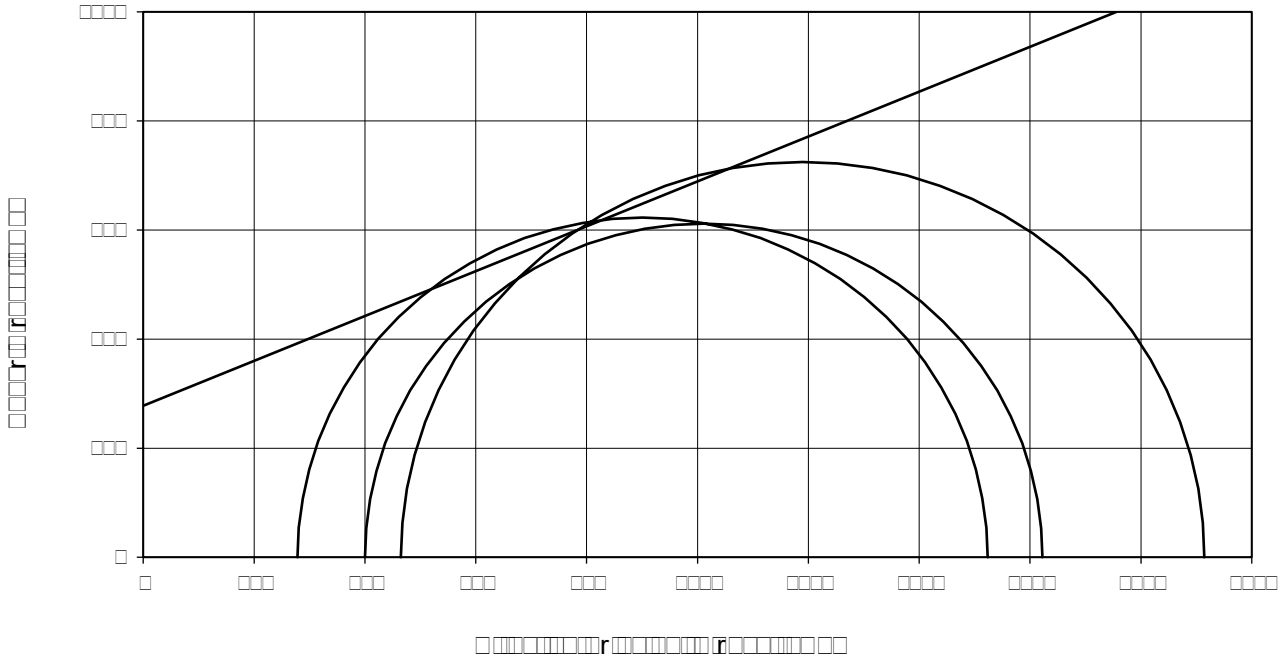
GEO / 30691

SIZEWELL C GI PHASE 2 TO1

734318

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure





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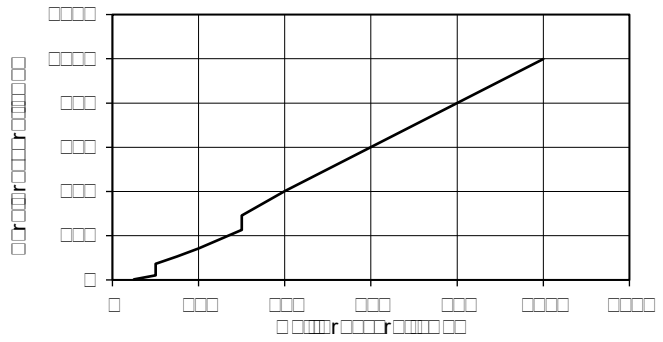
GEO / 30691

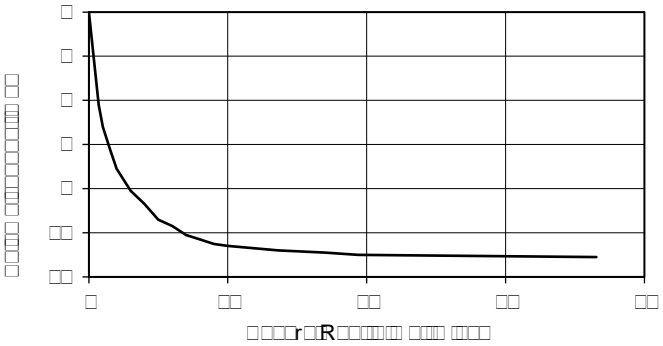
SIZEWELL C GI PHASE 2 TO1

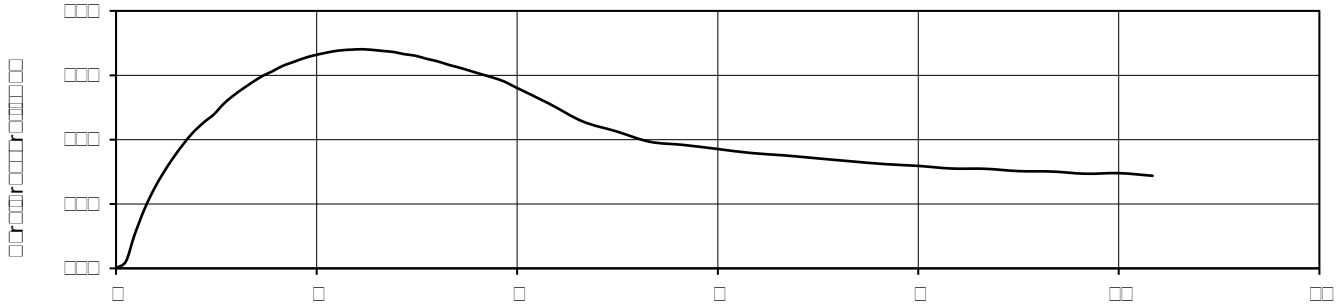
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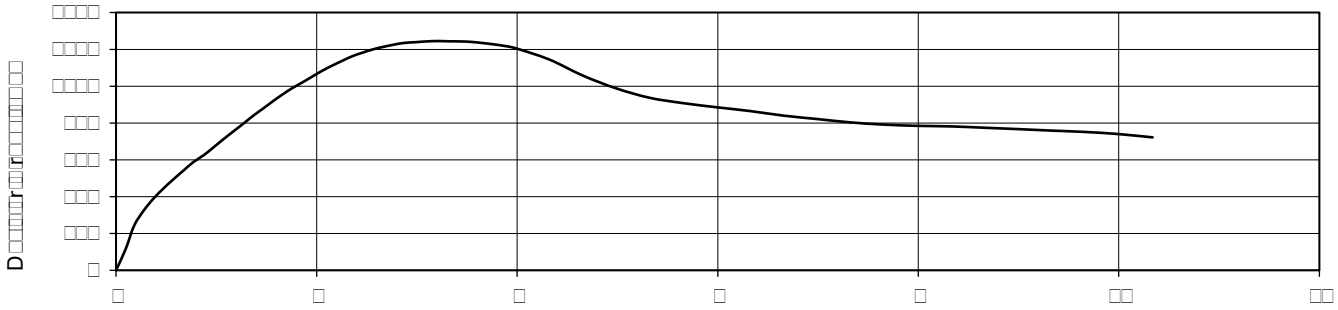
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

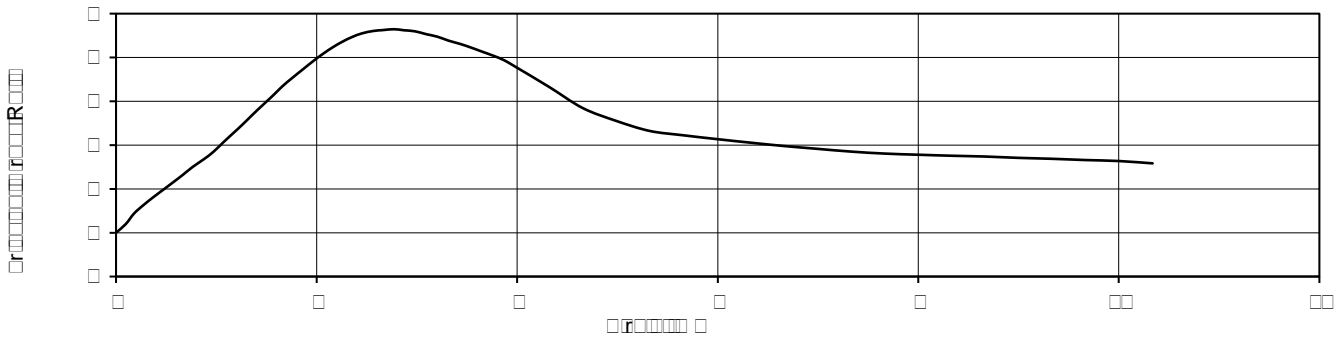
Specimen 1











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SIZEWELL C GI PHASE 2 TO1

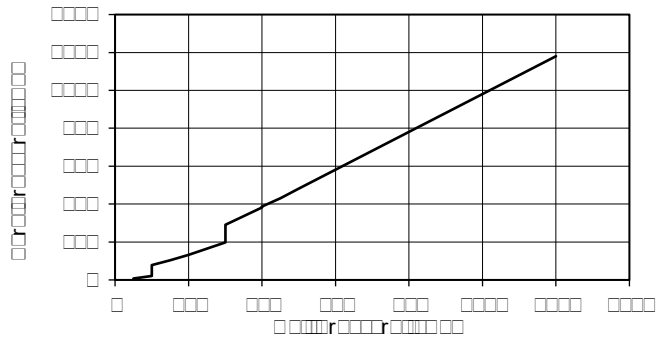
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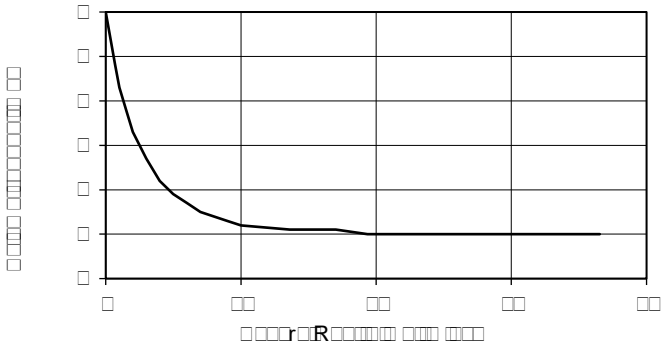
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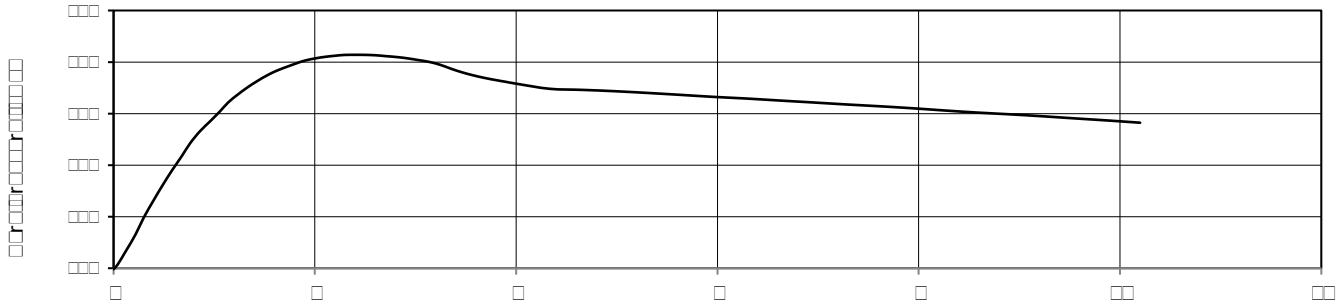
UKAS TESTING 1982

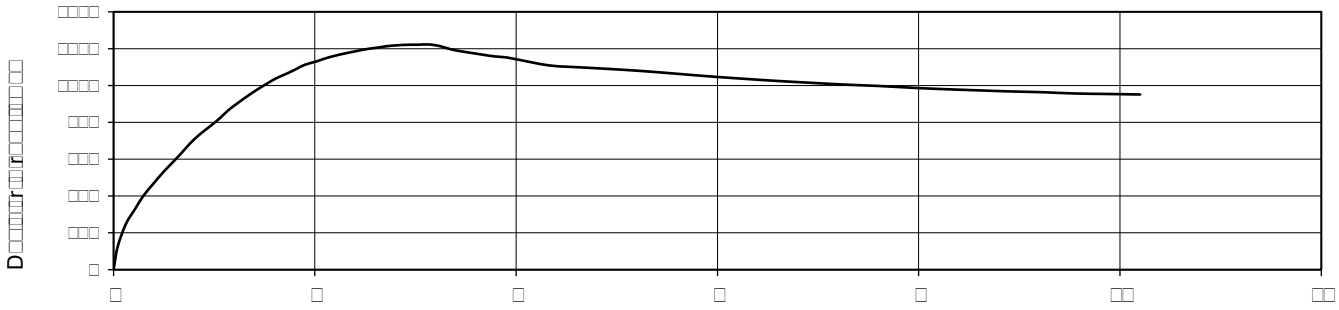
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

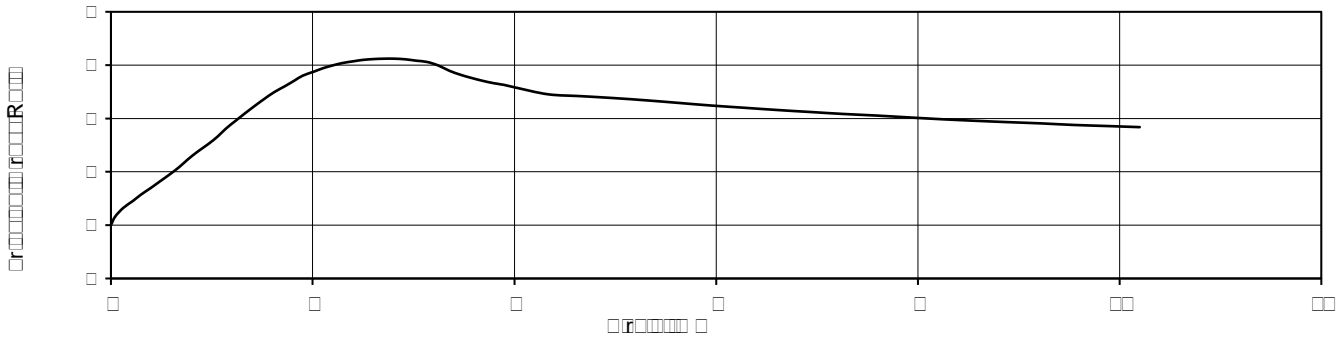
Specimen 2











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SIZEWELL C GI PHASE 2 TO1

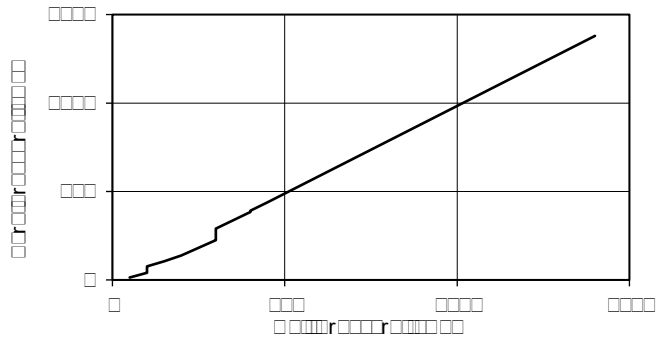
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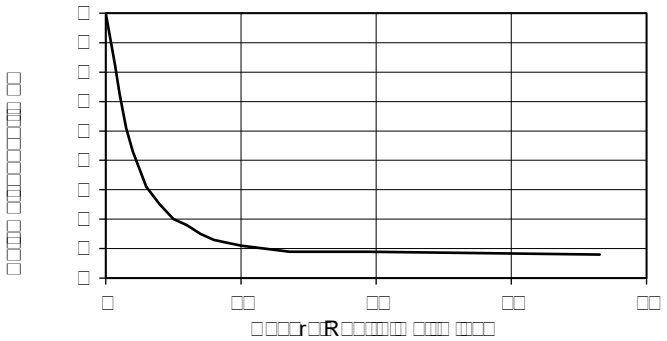
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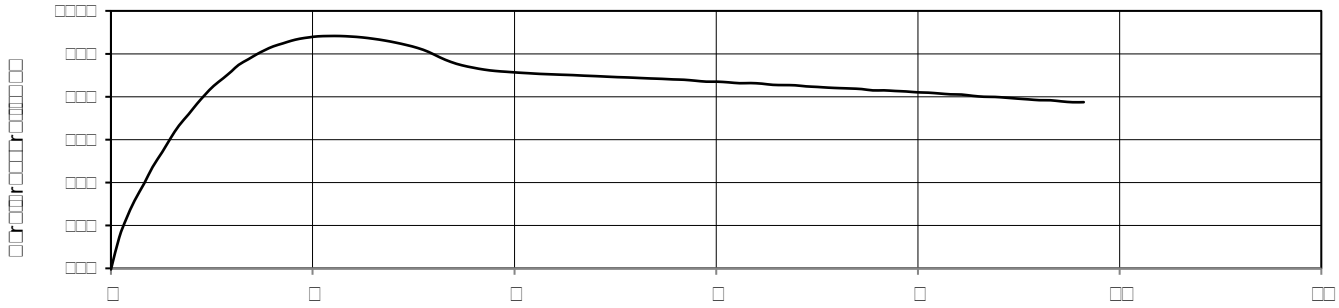
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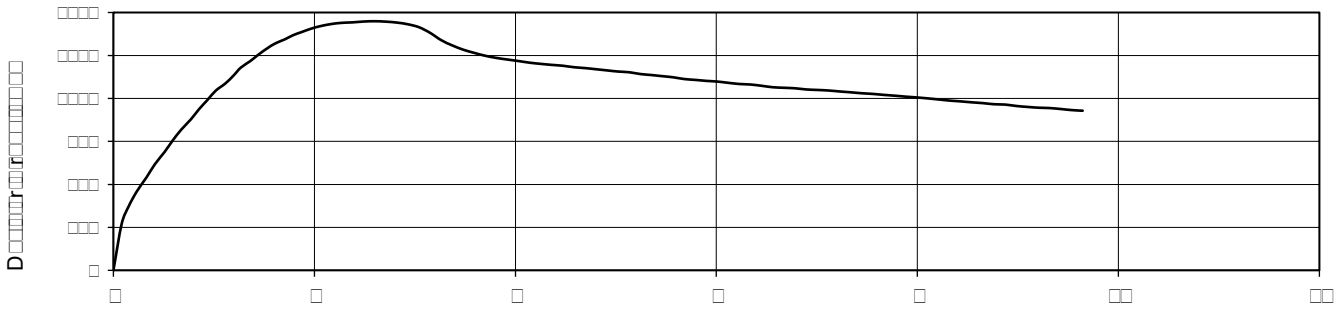
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

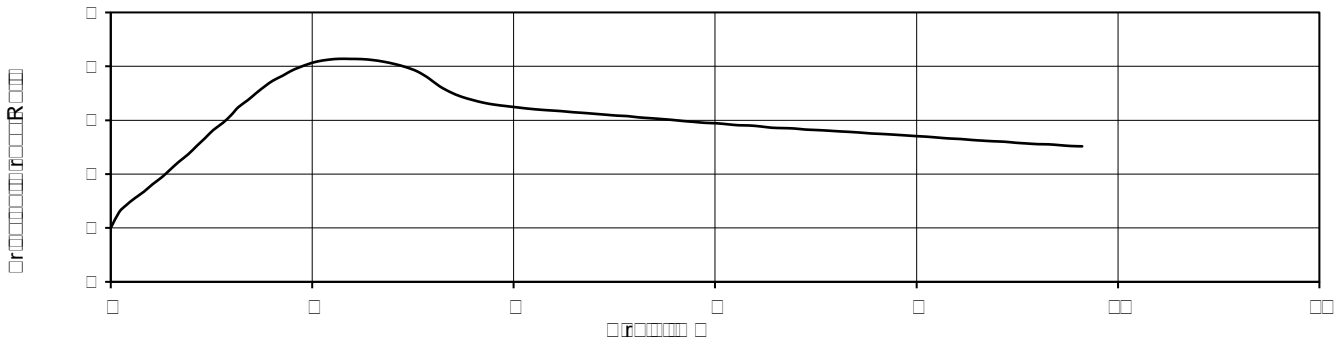
Specimen 3











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SIZEWELL C GI PHASE 2 TO1

734318

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **3** Sample Type : **C** Depth (m) : **19.00**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown mottled grey slightly silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**99.56**	**99.50**	**99.11**
Initial Height (mm)	**197.98**	**197.95**	**199.79**
Initial Mass (g)	**2888.24**	**2859.64**	**2863.18**
Initial Moisture Content (%)	**12**	**13**	**13**
Initial Bulk Density (Mg/m^3)	**1.87**	**1.86**	**1.86**
Initial Dry Density (Mg/m^3)	**1.68**	**1.64**	**1.65**
Initial B-Value	**0.05**	**0.08**	**0.06**
Final Moisture Content (%)	**23**	**23**	**22**
Final Bulk Density (Mg/m^3)	**2.08**	**2.04**	**2.05**
Final Dry Density (Mg/m^3)	**1.69**	**1.66**	**1.68**
SATURATION			
Duration (days)	**9**	**8**	**10**
Final B-Value	**0.95**	**0.95**	**0.95**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**790**	**790**	**990**
Back Pressure (kPa)	**640**	**490**	**490**
Initial Volume (cm^3)	**1541.355**	**1539.110**	**1541.263**
Final Volume (cm^3)	**1527.965**	**1521.280**	**1515.083**
Change in Volume (cm^3)	**13.390**	**17.830**	**26.180**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**790**	**790**	**990**
Initial Porewater Pressure (kPa)	**640.8**	**491.5**	**488.5**
Strain Rate (mm/min)	**0.023500**	**0.027386**	**0.02759**
Axial Strain at Failure (%)	**5.75**	**11.23**	**7.89**
Time to Failure (h)	**8.0**	**13.5**	**9.5**
Deviator Stress at Failure (kPa)	**258.4**	**425.2**	**578.9**
Porewater Pressure at Failure (kPa)	**691.5**	**628.2**	**775.7**
Effective Major Principal Stress (kPa)	**356.3**	**586.3**	**794.8**
Effective Minor Principal Stress (kPa)	**97.9**	**161.1**	**215.9**
Effective Principal Stress Ratio	**3.64**	**3.64**	**3.68**
Pore Pressure Coefficient - A_f	**0.20**	**0.32**	**0.50**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **35**

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1a Princess Street
Bedminster
Bristol
BS3 4AG

[redacted]

d By | Date

FRANCESCA BENNETT | **29/05/20**

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

AGS

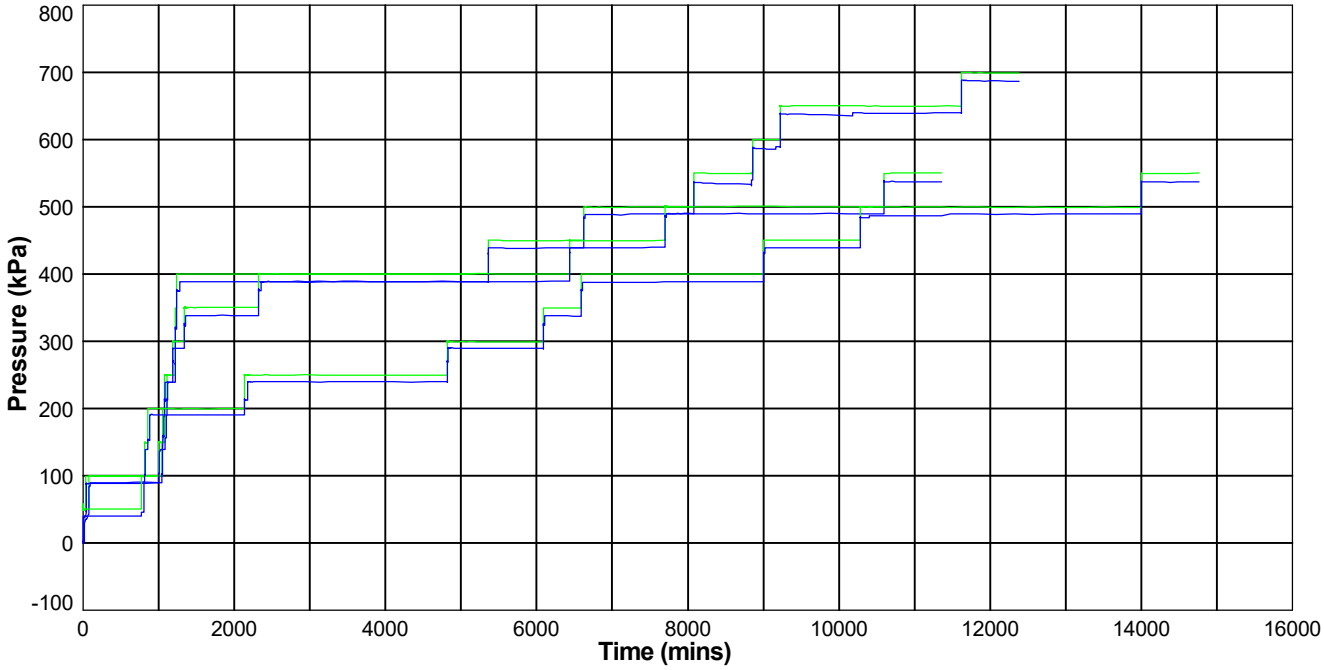
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Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 29/05/20 - 08:25 | AF3 |

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

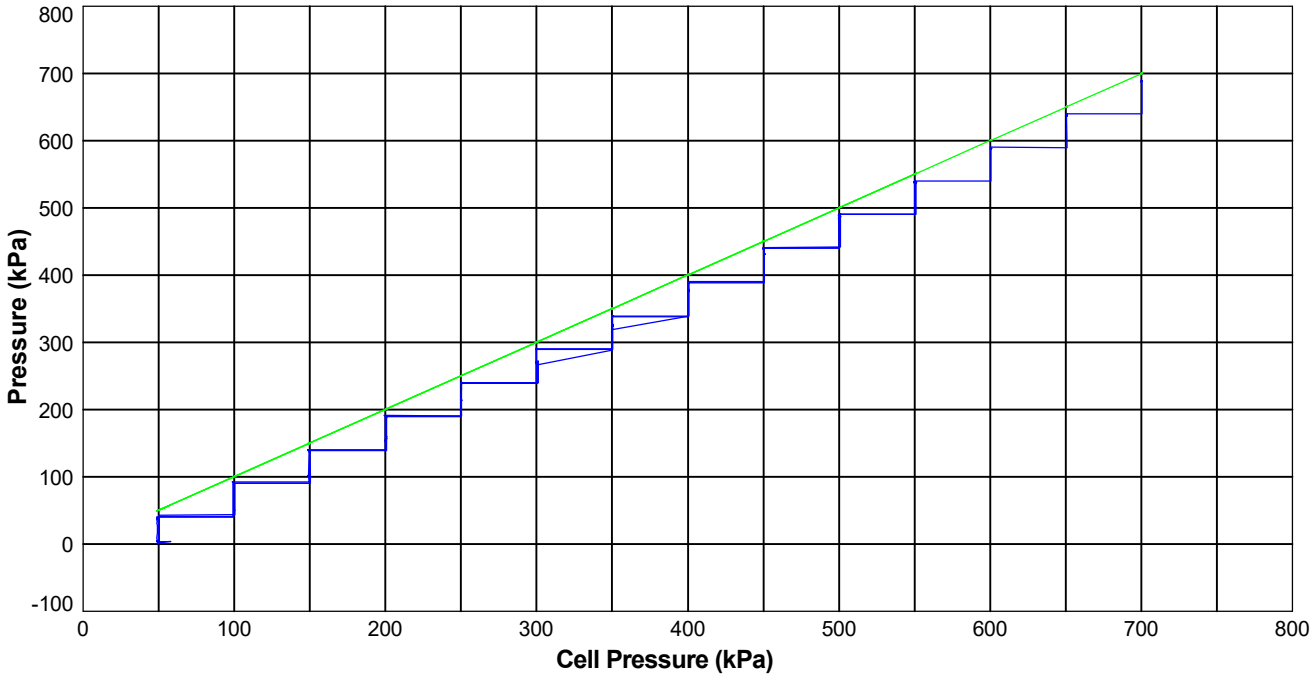
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **3** Sample Type : **C** Depth (m) : **19.00**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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1a Princess Street
Bedminster
Bristol
BS3 4AG

[redacted]

	Date
NCESCA BENNETT	29/05/20

C ontract Ref:

Sizewell C Onshore GI Phase 2 2019

734318

AGS

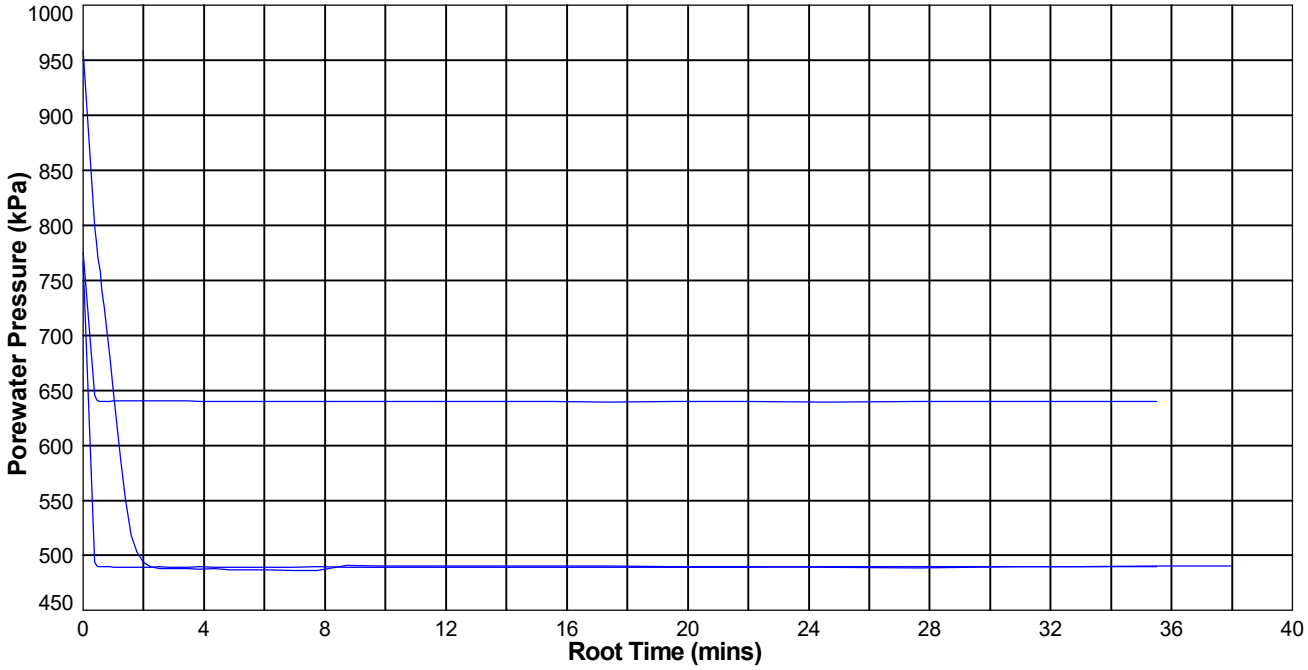
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Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 29/05/20 - 08:27 | AF3 |

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

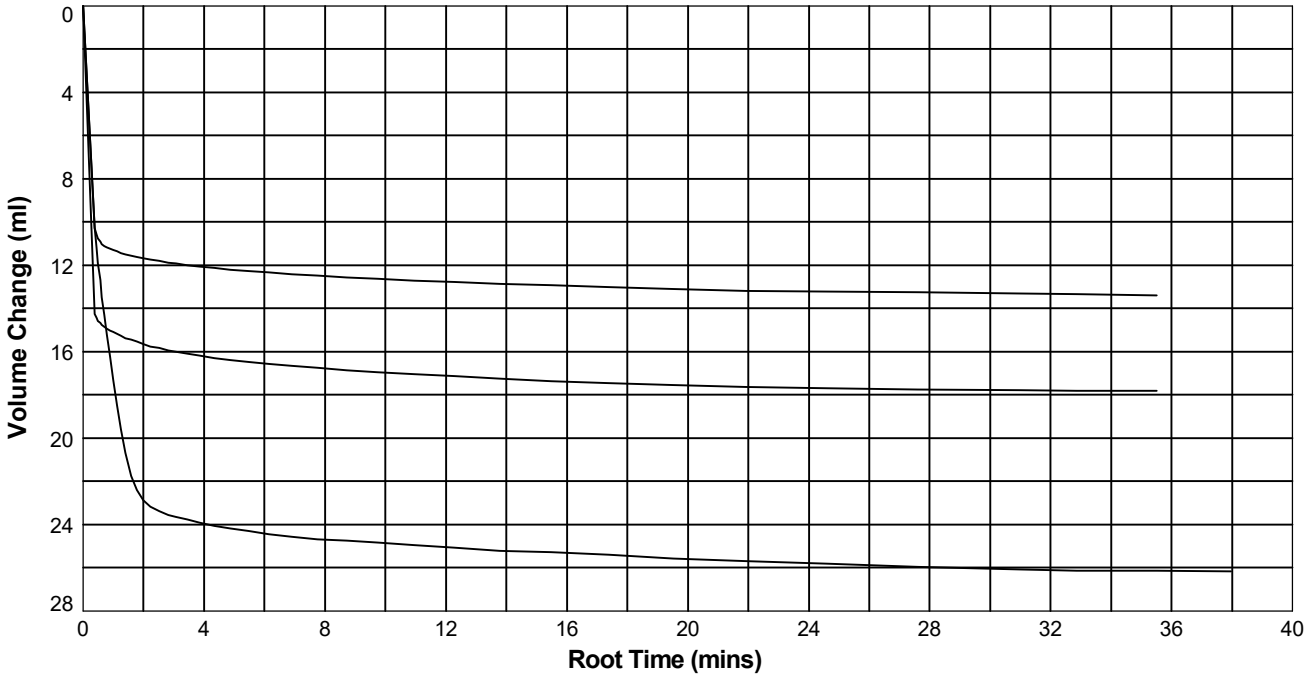
Borehole : **DCBH2019_7** Sample Ref : **3** Sample Type : **C** Depth (m) : **19.00**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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1a Princess Street
Bedminster
Bristol
BS3 4AG

[redacted]

	Date
RANCESCA BENNETT	**29/05/20**

Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

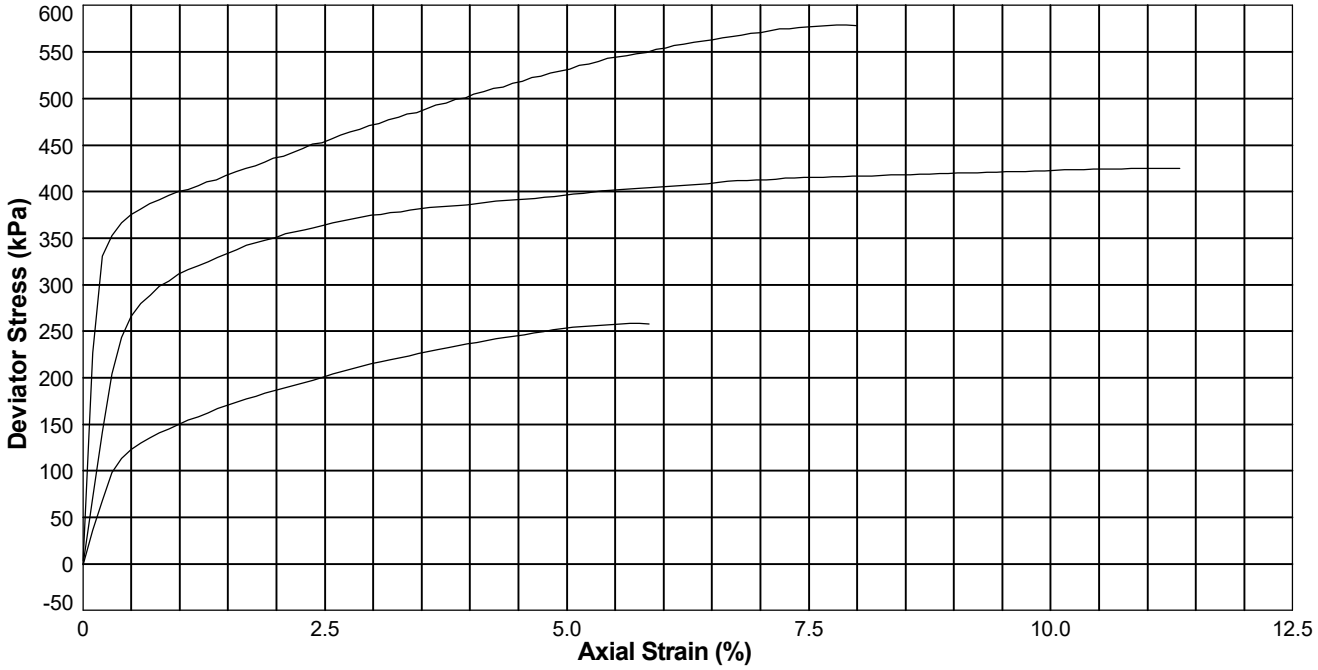
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

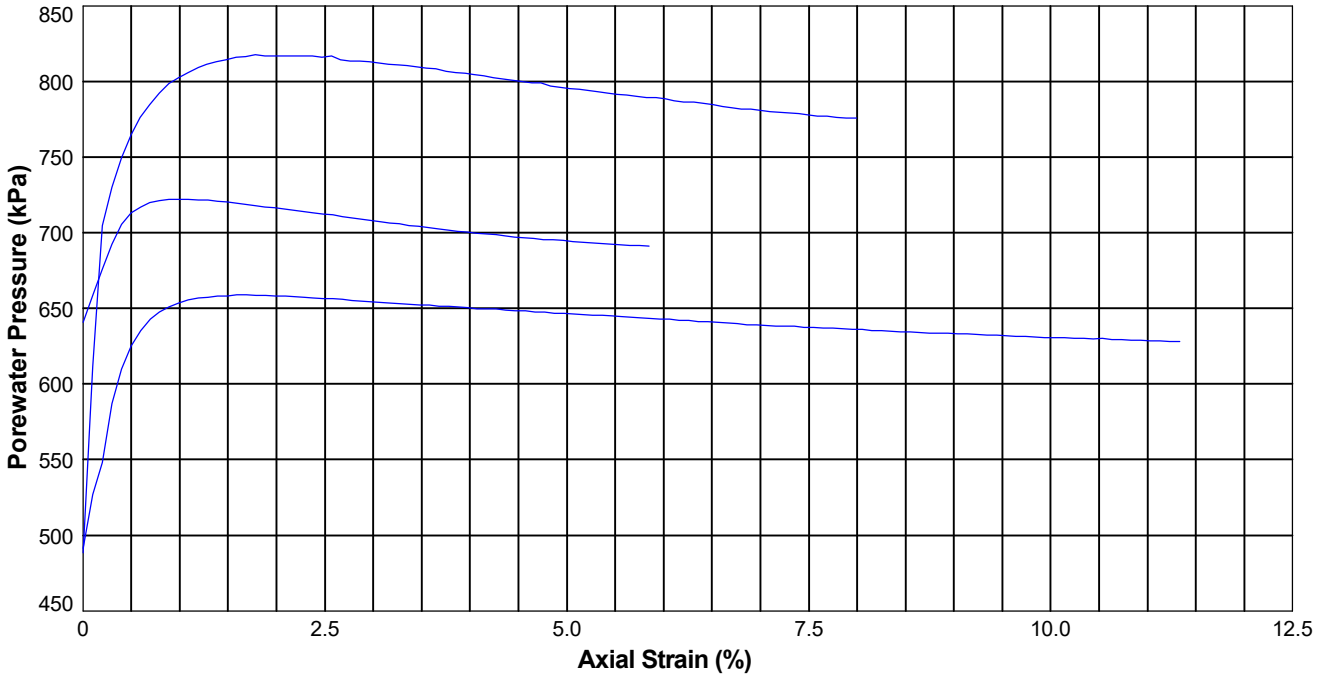
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **3** Sample Type : **C** Depth (m) : **19.00**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
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FRANCESCA BENNETT	**29/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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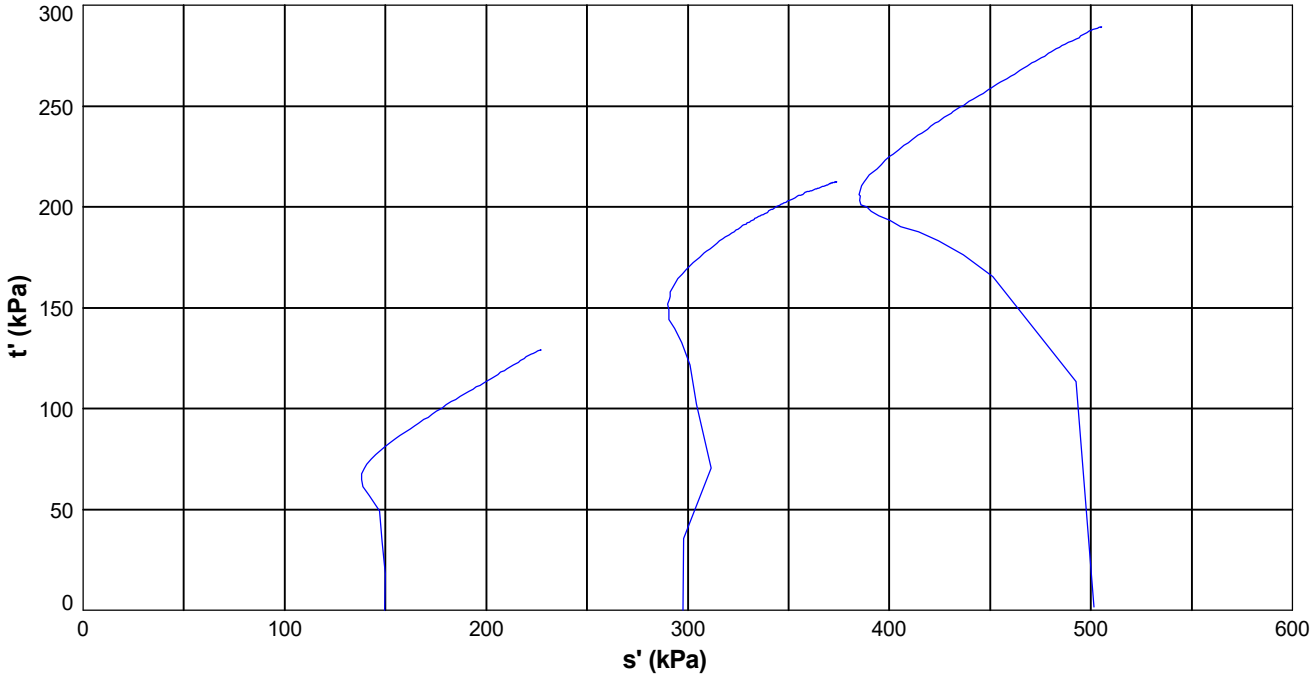
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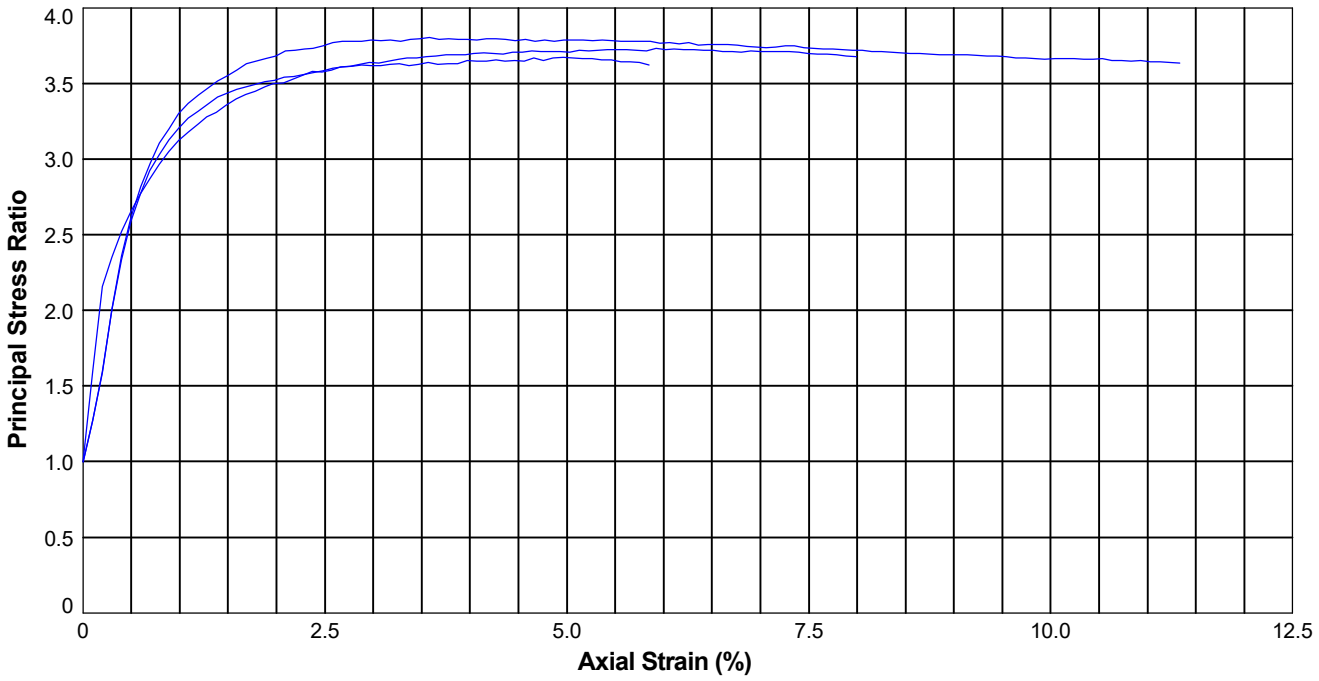
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **3** Sample Type : **C** Depth (m) : **19.00**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
1a Princess Street
Bedminster
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	Date
FRANCESCA BENNETT	29/05/20

Sizewell C Onshore GI Phase 2 2019

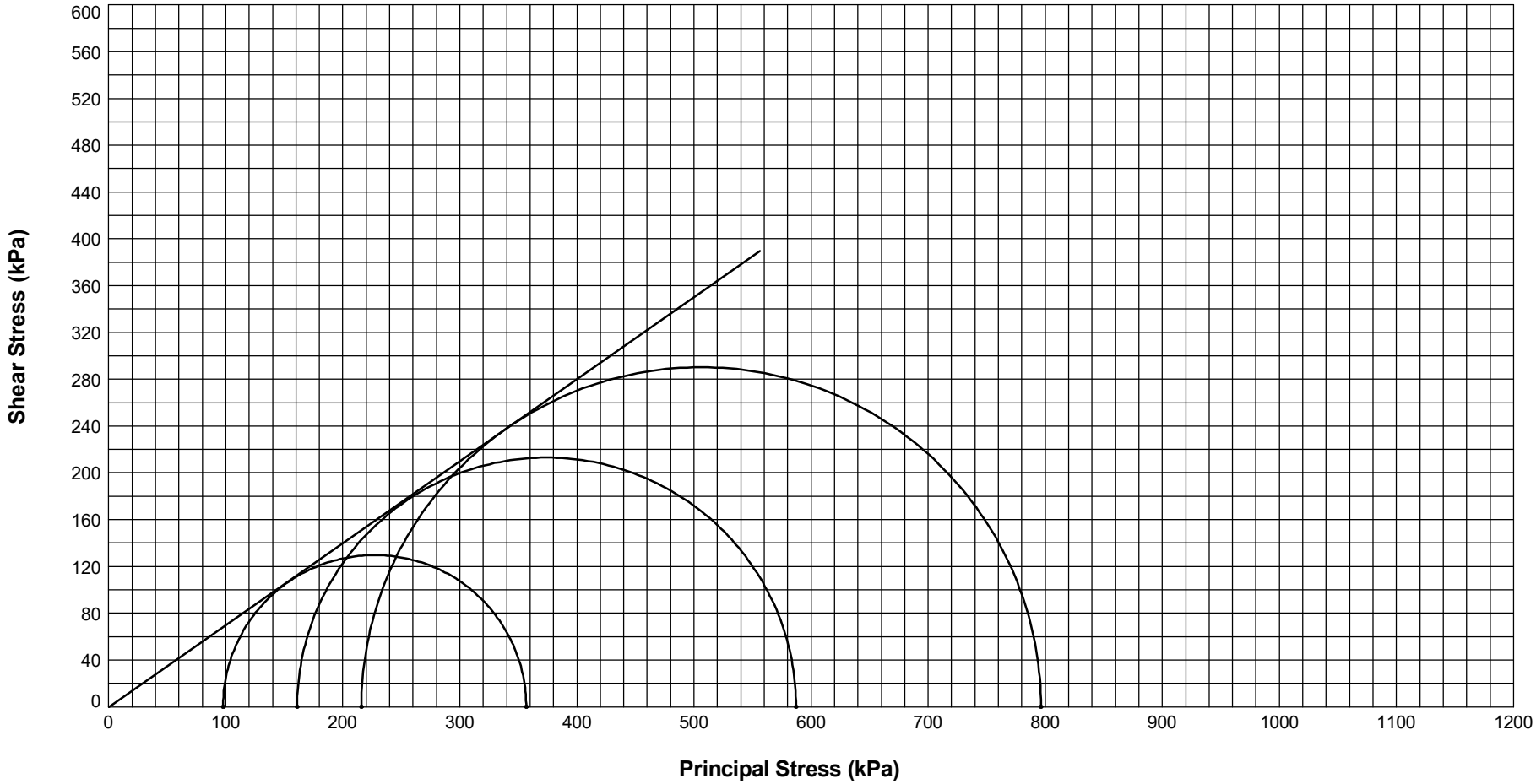
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_7** Sample Ref : **3** Sample Type : **C** Depth (m) : **19.00**



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Compiled By		Date
[redacted]	FRANCESCA BENNETT	29.05.20
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Contract Ref: **734318**

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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **10** Sample Type : **C** Depth (m) : **27.75**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown mottled grey slightly clayey SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**101.82**	**101.66**	**101.85**
Initial Height (mm)	**202.20**	**202.32**	**202.26**
Initial Mass (g)	**3108.91**	**3119.63**	**3118.95**
Initial Moisture Content (%)	**16**	**17**	**17**
Initial Bulk Density (Mg/m^3)	**1.89**	**1.90**	**1.89**
Initial Dry Density (Mg/m^3)	**1.62**	**1.62**	**1.62**
Initial B-Value	**0.15**	**0.12**	**0.13**
Final Moisture Content (%)	**23**	**23**	**22**
Final Bulk Density (Mg/m^3)	**2.02**	**2.02**	**2.01**
Final Dry Density (Mg/m^3)	**1.64**	**1.64**	**1.64**
SATURATION			
Duration (days)	**9**	**10**	**9**
Final B-Value	**0.96**	**1.00**	**0.96**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740**	**940**	**1140**
Back Pressure (kPa)	**540**	**540**	**540**
Initial Volume (cm^3)	**1646.488**	**1642.238**	**1647.731**
Final Volume (cm^3)	**1625.232**	**1623.987**	**1627.633**
Change in Volume (cm^3)	**21.256**	**18.251**	**20.098**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**740**	**940**	**1140**
Initial Porewater Pressure (kPa)	**539**	**538.2**	**538.2**
Strain Rate (mm/min)	**0.02796**	**0.02800**	**0.02798**
Axial Strain at Failure (%)	**19.04**	**19.59**	**17.44**
Time to Failure (h)	**22.8**	**23.5**	**20.9**
Deviator Stress at Failure (kPa)	**421.4**	**889.8**	**1620.3**
Porewater Pressure at Failure (kPa)	**547.5**	**546.4**	**435.5**
Effective Major Principal Stress (kPa)	**613.4**	**1282.0**	**2324.7**
Effective Minor Principal Stress (kPa)	**192.0**	**392.2**	**704.4**
Effective Principal Stress Ratio	**3.20**	**3.27**	**3.30**
Pore Pressure Coefficient - A_f	**0.02**	**0.01**	**-0.06**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **32**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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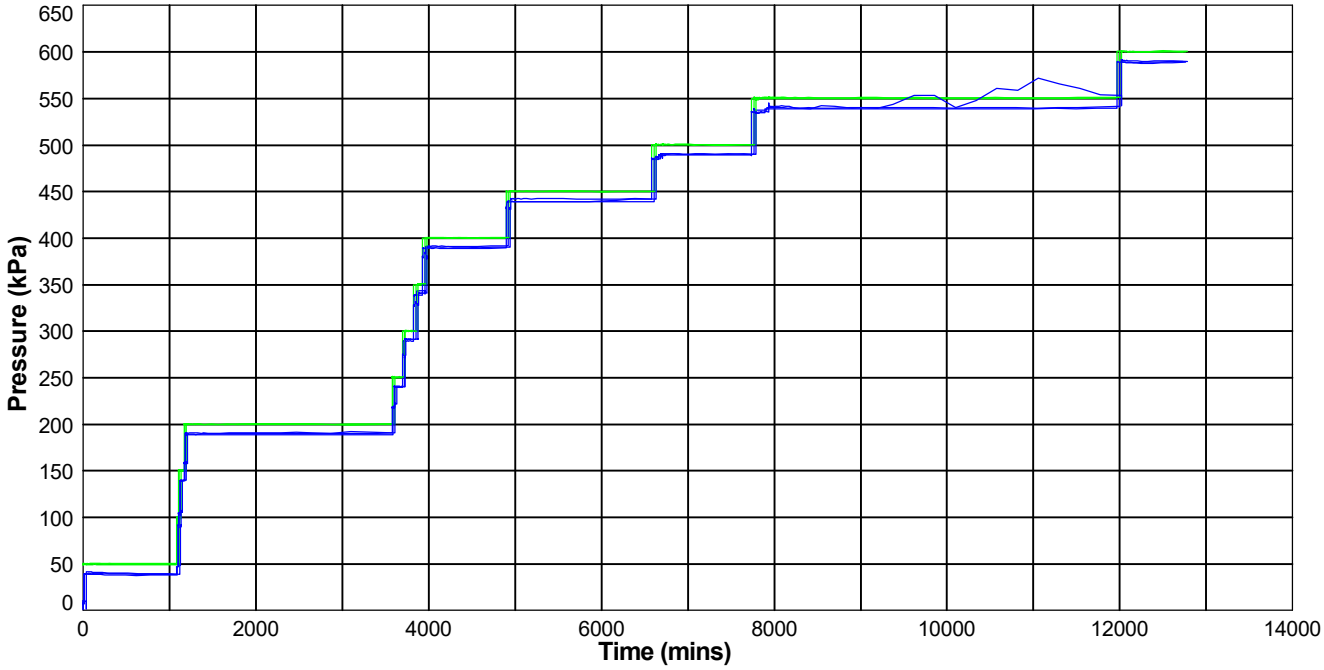
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

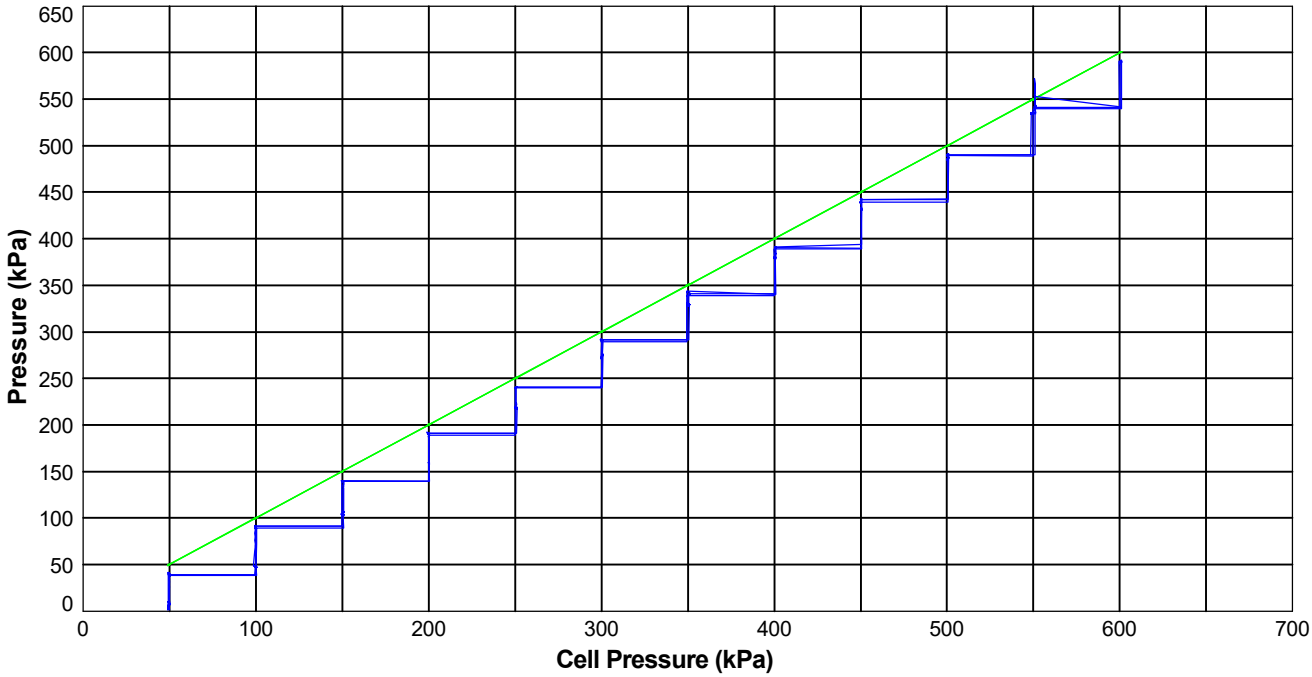
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **10** Sample Type : **C** Depth (m) : **27.75**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

[redacted] By | Date

[redacted] | FRANCESCA BENNETT | 14/05/20

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Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

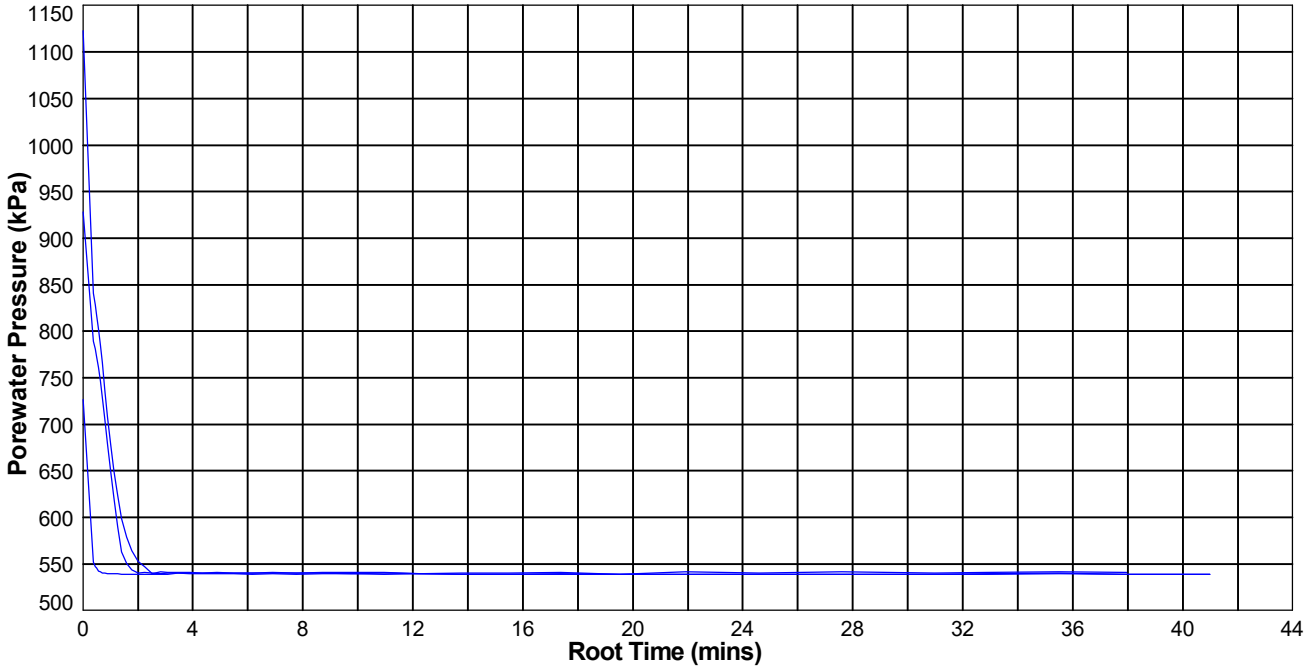
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In accordance with BS EN ISO 17892 Part 9

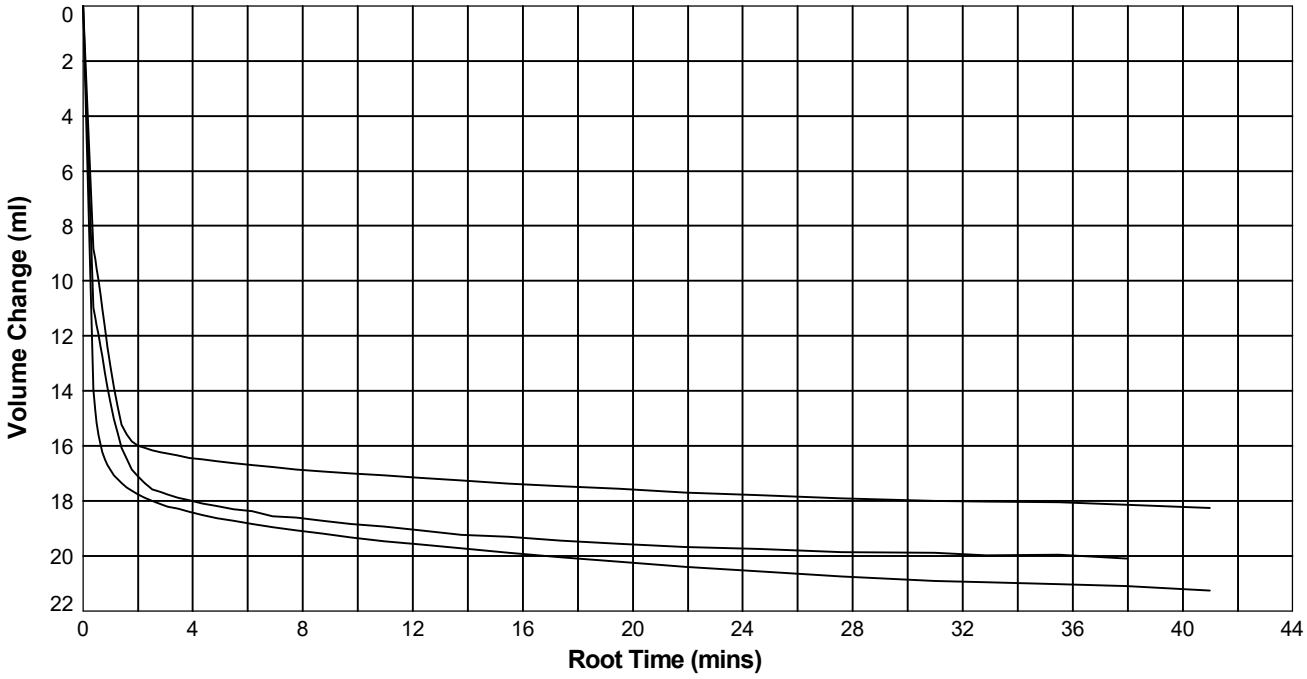
Borehole : **DCBH2019_7** Sample Ref : **10** Sample Type : **C** Depth (m) : **27.75**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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	FRANCESCA BENNETT	14/05/20
	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**

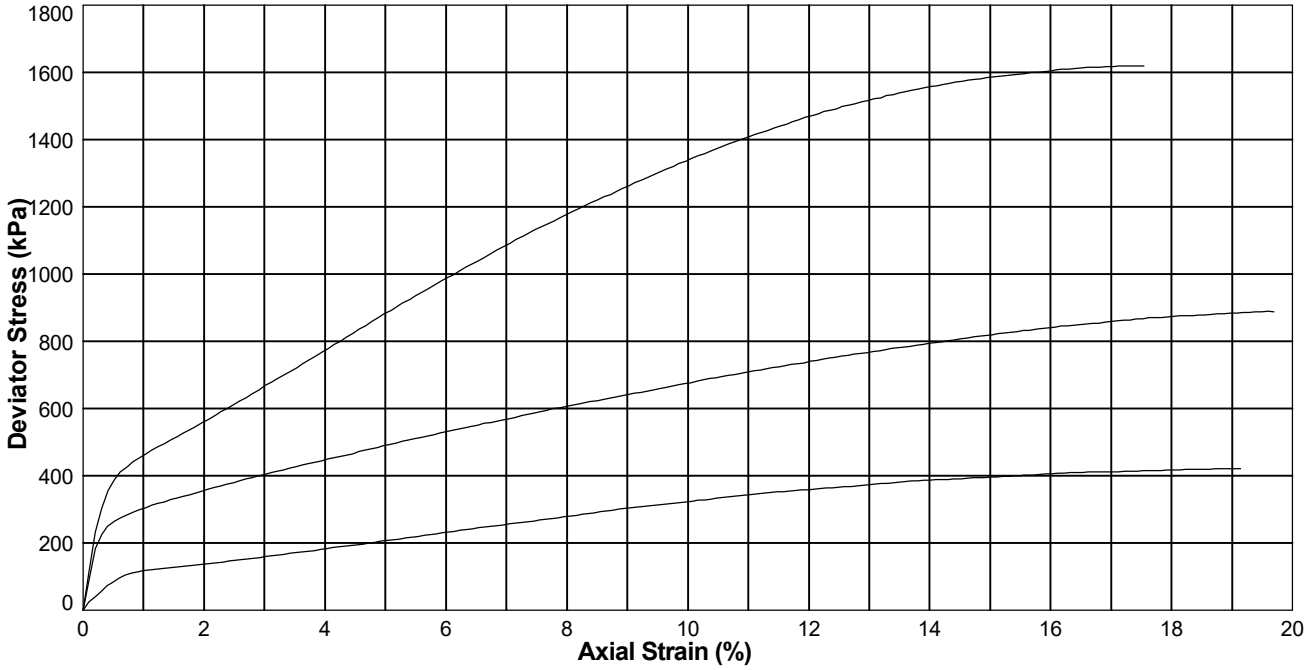
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

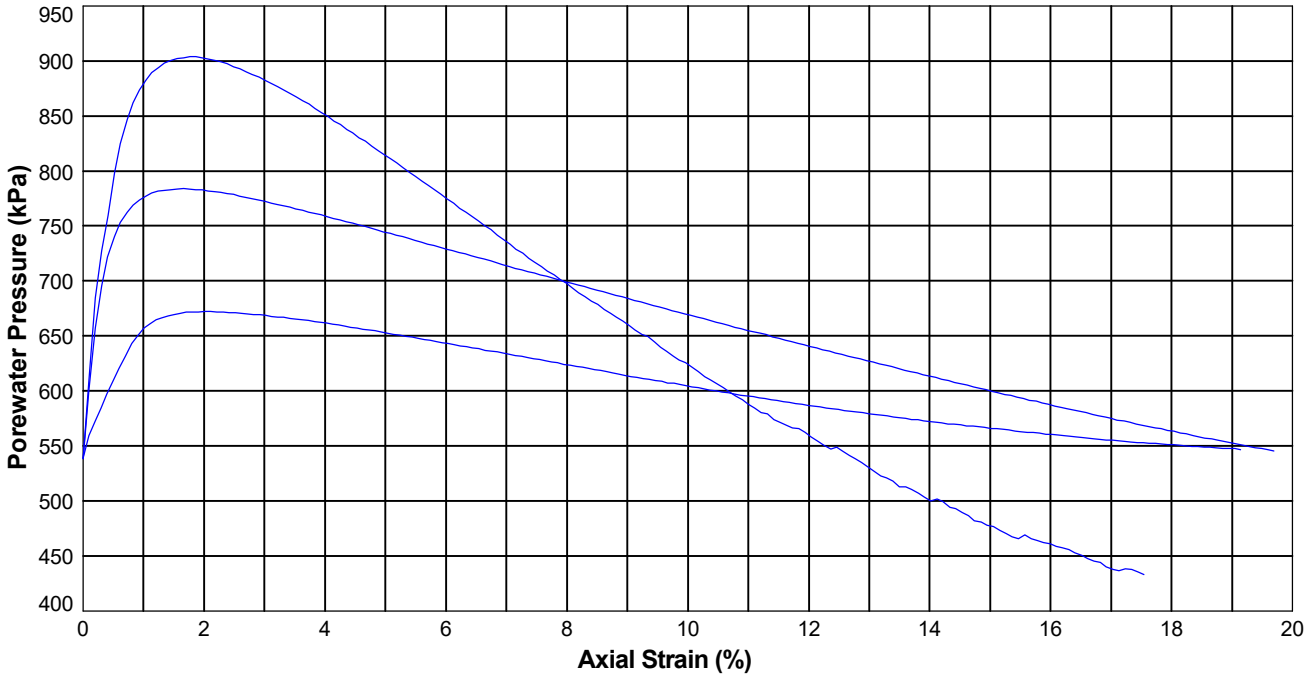
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **10** Sample Type : **C** Depth (m) : **27.75**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted] mpiled By	FRANCESCA BENNETT	Date 14/05/20
	C **Sizewell C Onshore GI Phase 2 2019**	Contract Ref: **734318**	

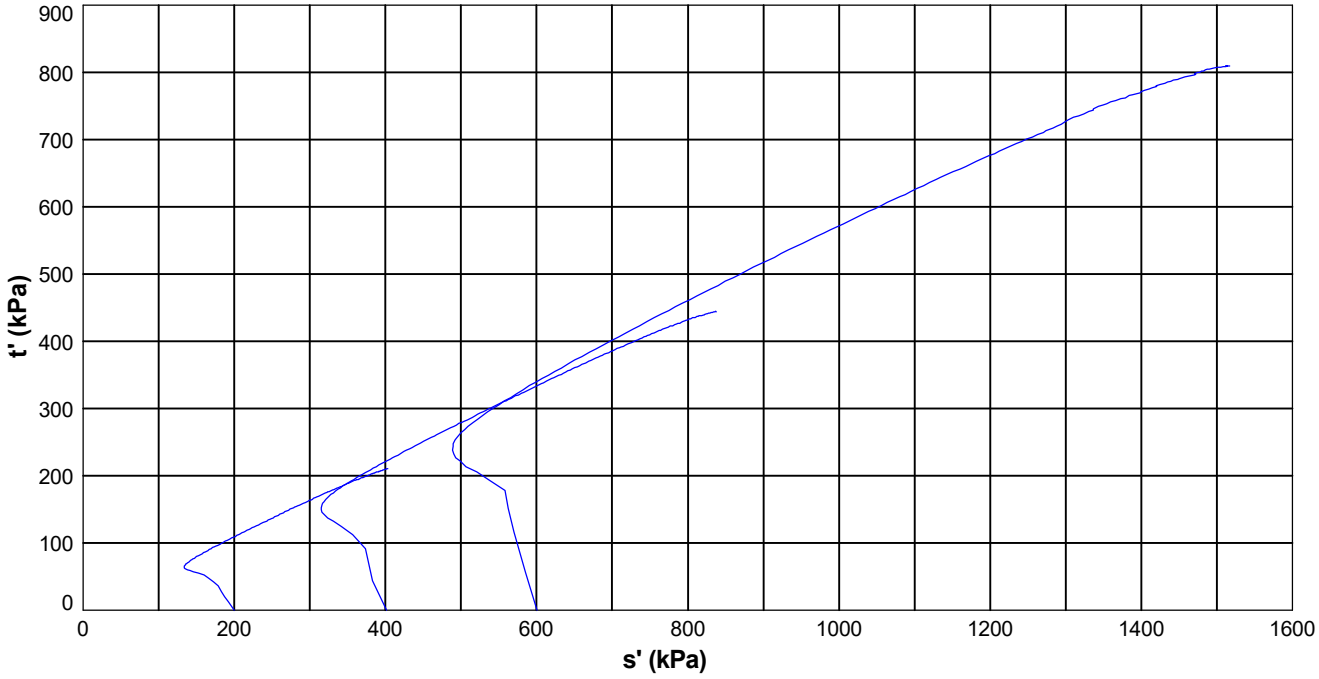
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

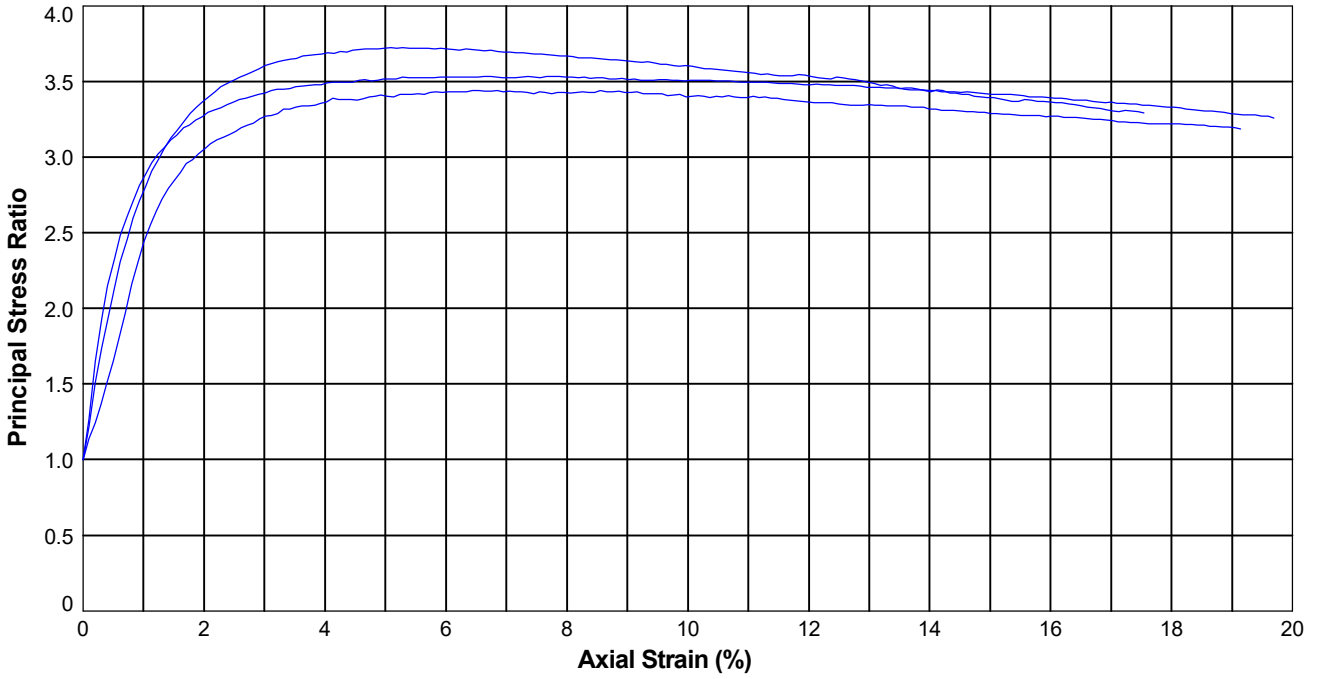
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Borehole : **DCBH2019_7** Sample Ref : **10** Sample Type : **C** Depth (m) : **27.75**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
1a Princess Street
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BS3 4AG

[redacted] By: **FRANCESCA BENNETT** Date: **14/05/20**

Sizewell C Onshore GI Phase 2 2019

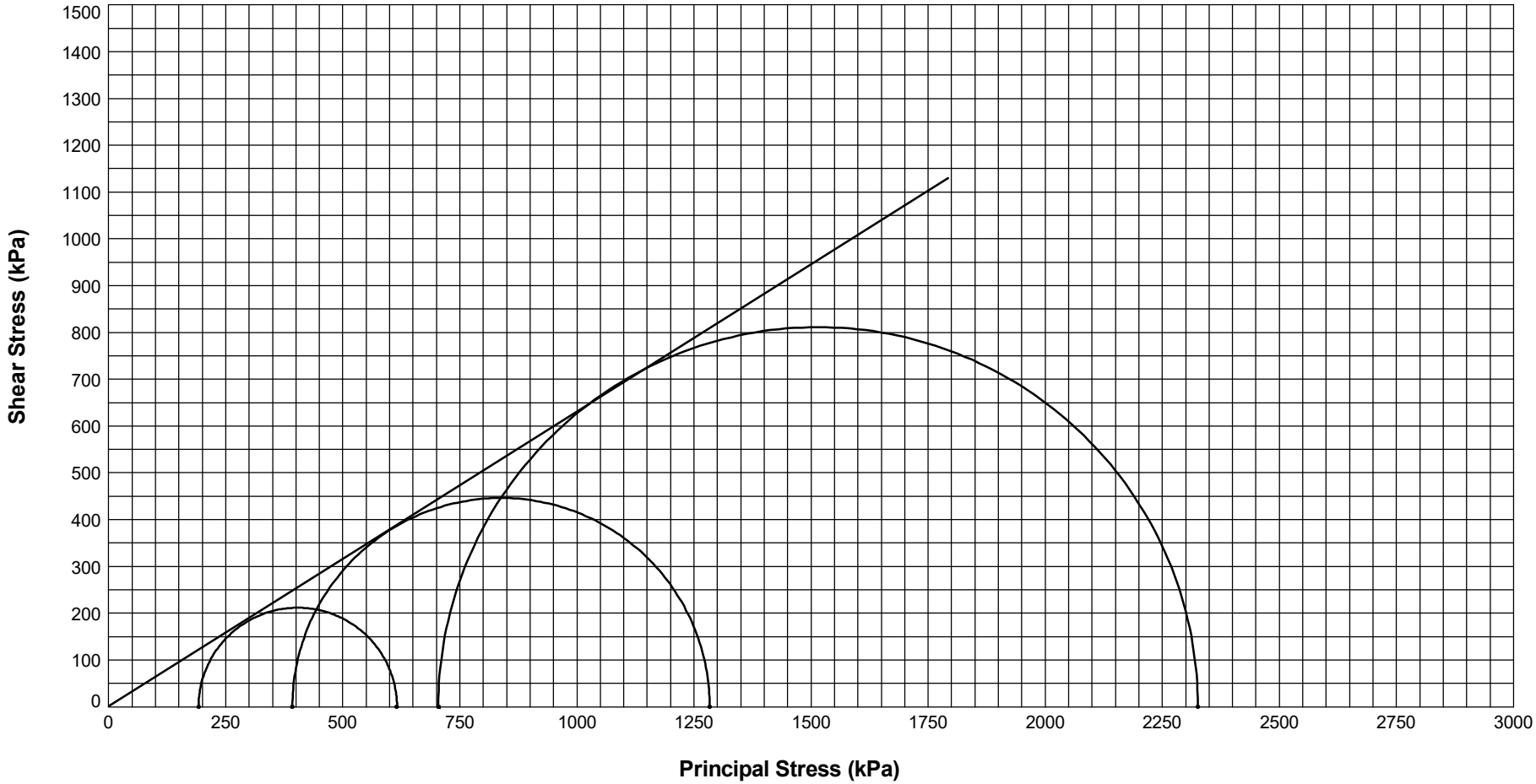
Contract Ref: **734318**

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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_7** Sample Ref : **10** Sample Type : **C** Depth (m) : **27.75**



STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By	Date	Contract Ref:
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **12** Sample Type : **C** Depth (m) : **30.42**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown mottled grey slightly clayey SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.08**	**50.01**	**50.06**
Initial Height (mm)	**100.19**	**100.19**	**100.13**
Initial Mass (g)	**407.92**	**408.10**	**408.94**
Initial Moisture Content (%)	**18**	**19**	**19**
Initial Bulk Density (Mg/m^3)	**2.07**	**2.07**	**2.07**
Initial Dry Density (Mg/m^3)	**1.75**	**1.74**	**1.74**
Initial B-Value	**0.53**	**0.77**	**0.75**
Final Moisture Content (%)	**19**	**18**	**17**
Final Bulk Density (Mg/m^3)	**2.12**	**2.12**	**2.12**
Final Dry Density (Mg/m^3)	**1.78**	**1.80**	**1.81**
SATURATION			
Duration (days)	**7**	**5**	**5**
Final B-Value	**0.98**	**0.97**	**0.98**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**690**	**840**	**1040**
Back Pressure (kPa)	**390**	**340**	**340**
Initial Volume (cm^3)	**197.353**	**196.821**	**197.103**
Final Volume (cm^3)	**193.253**	**190.411**	**189.983**
Change in Volume (cm^3)	**4.100**	**6.410**	**7.120**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**690**	**840**	**1040**
Initial Porewater Pressure (kPa)	**394.3**	**346**	**341.8**
Strain Rate (mm/min)	**0.01382**	**0.01652**	**0.01649**
Axial Strain at Failure (%)	**15.20**	**13.60**	**10.45**
Time to Failure (h)	**18.3**	**13.6**	**10.4**
Deviator Stress at Failure (kPa)	**1273.9**	**1367.4**	**1824.8**
Porewater Pressure at Failure (kPa)	**188.2**	**310.2**	**330.3**
Effective Major Principal Stress (kPa)	**1775.4**	**1896.8**	**2534.4**
Effective Minor Principal Stress (kPa)	**501.5**	**529.4**	**709.6**
Effective Principal Stress Ratio	**3.54**	**3.58**	**3.57**
Pore Pressure Coefficient - A_f	**-0.16**	**-0.03**	**-0.01**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **34**

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Bedminster
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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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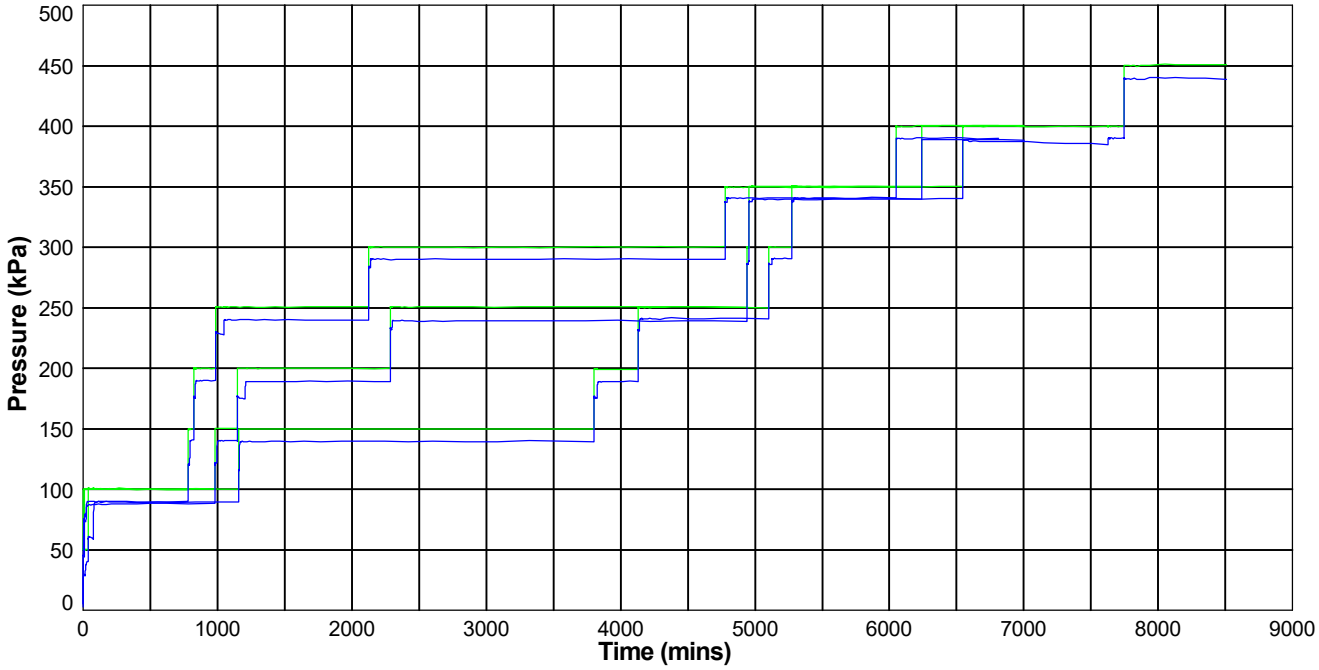
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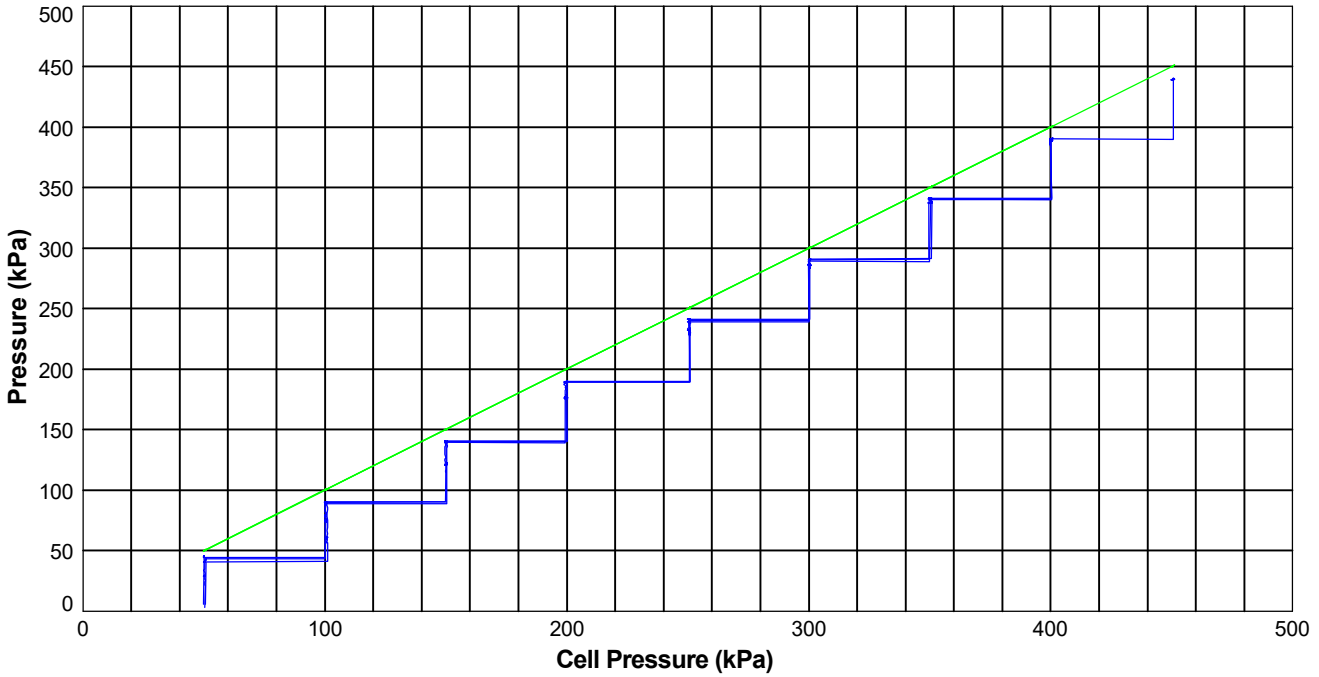
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **12** Sample Type : **C** Depth (m) : **30.42**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

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Date **29/05/20**

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

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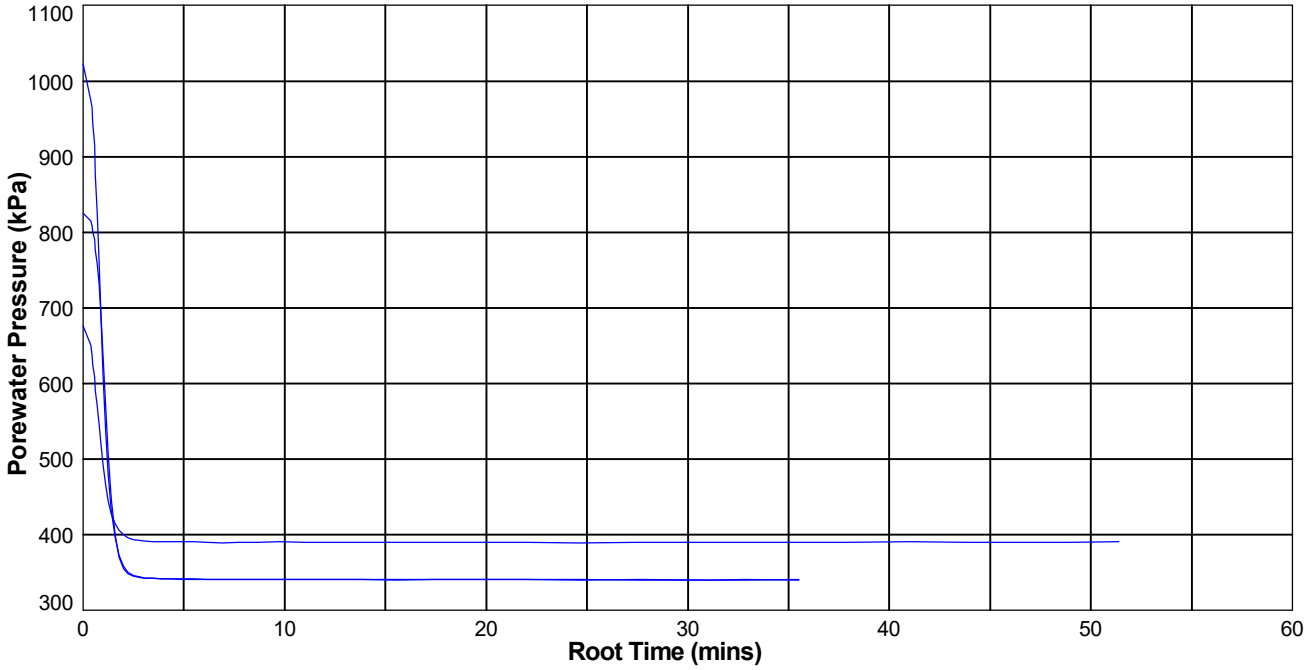
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

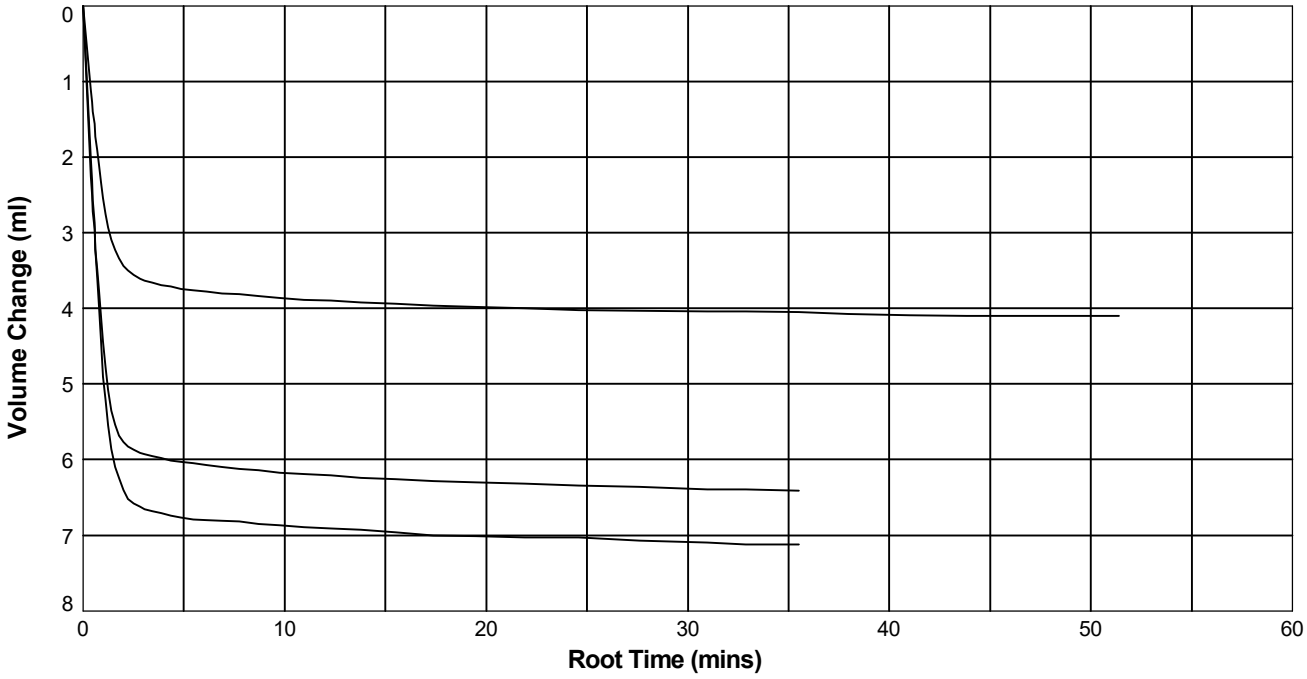
Borehole : **DCBH2019_7** Sample Ref : **12** Sample Type : **C** Depth (m) : **30.42**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted] ompiled By FRANCESCA BENNETT	Date 29/05/20
	Con **Sizewell C Onshore GI Phase 2 2019**	Contract Ref: **734318**

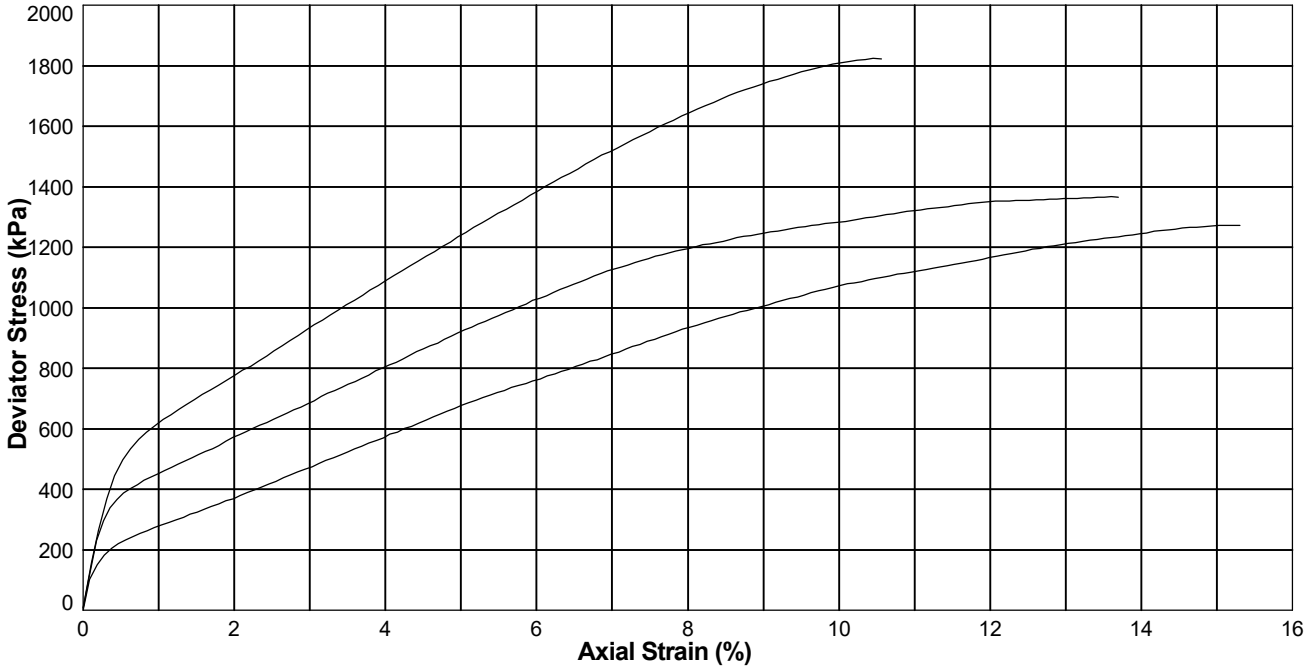
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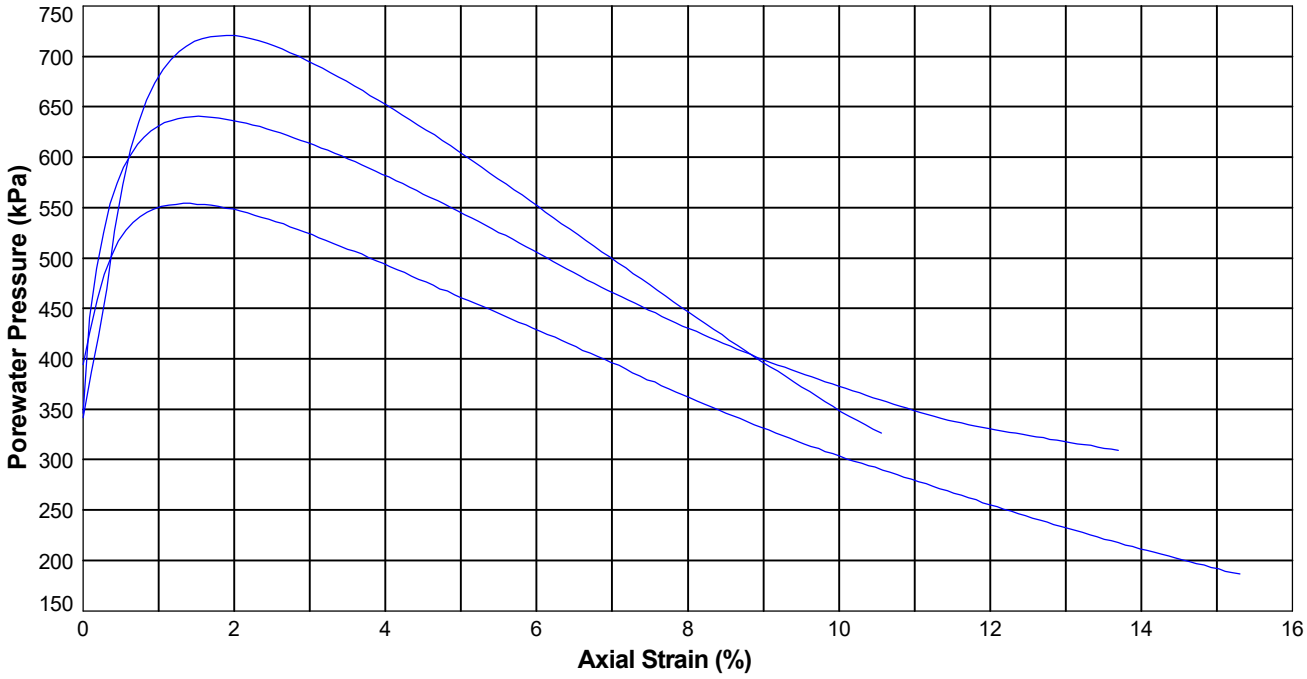
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Borehole : **DCBH2019_7** Sample Ref : **12** Sample Type : **C** Depth (m) : **30.42**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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	FRANCESCA BENNETT	**29/05/20**
C	Contract Ref:	
Sizewell C Onshore GI Phase 2 2019	**734318**	AGS

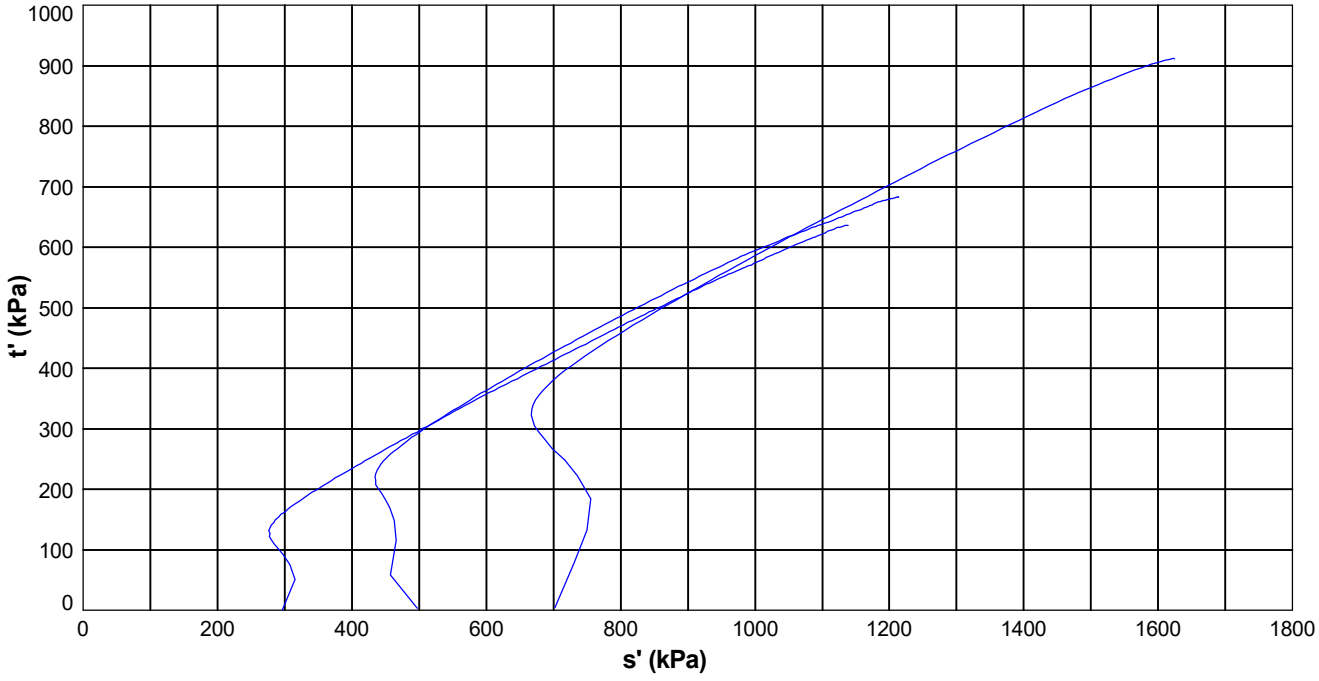
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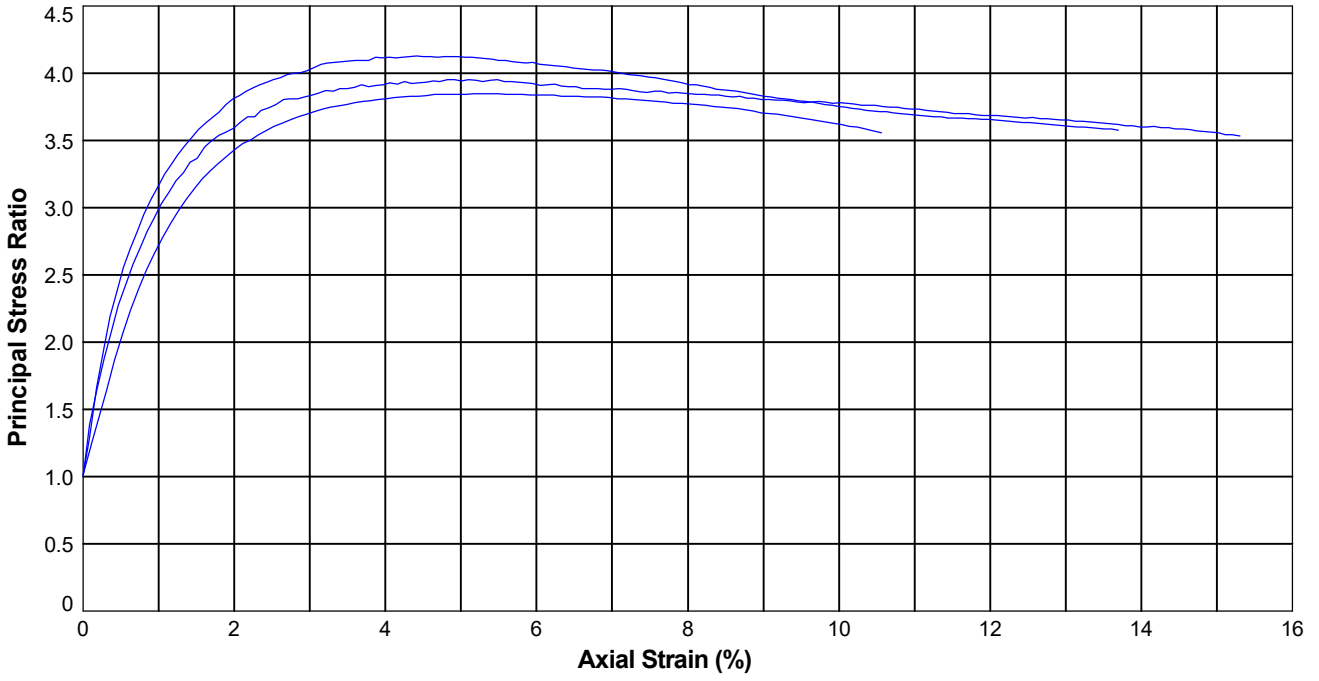
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Borehole : **DCBH2019_7** Sample Ref : **12** Sample Type : **C** Depth (m) : **30.42**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
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C

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

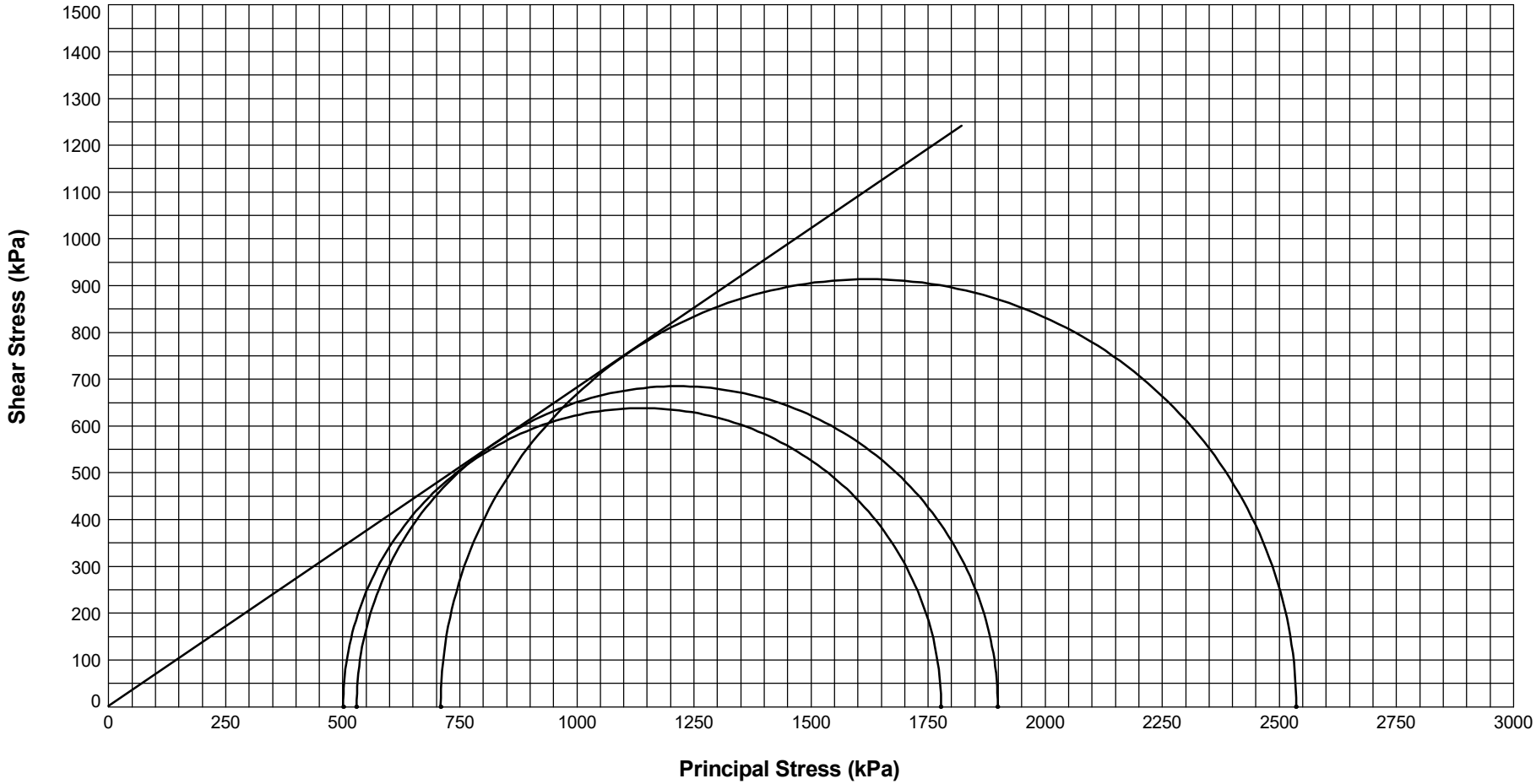
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_7** Sample Ref : **12** Sample Type : **C** Depth (m) : **30.42**



STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By	Date	Contract Ref:
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **18** Sample Type : **C** Depth (m) : **39.75**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Brown slightly silty SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**101.86**	**101.87**	**101.97**
Initial Height (mm)	**202.15**	**202.20**	**202.27**
Initial Mass (g)	**2995.70**	**2999.61**	**3041.04**
Initial Moisture Content (%)	**14**	**14**	**14**
Initial Bulk Density (Mg/m^3)	**1.82**	**1.82**	**1.84**
Initial Dry Density (Mg/m^3)	**1.60**	**1.59**	**1.61**
Initial B-Value	**0.09**	**0.15**	**0.13**
Final Moisture Content (%)	**25**	**21**	**22**
Final Bulk Density (Mg/m^3)	**2.04**	**1.97**	**2.03**
Final Dry Density (Mg/m^3)	**1.63**	**1.62**	**1.66**
SATURATION			
Duration (days)	**10**	**9**	**10**
Final B-Value	**0.95**	**0.95**	**0.95**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**790**	**940**	**1190**
Back Pressure (kPa)	**490**	**440**	**490**
Initial Volume (cm^3)	**1647.158**	**1648.132**	**1651.914**
Final Volume (cm^3)	**1614.188**	**1621.842**	**1601.654**
Change in Volume (cm^3)	**32.970**	**26.290**	**50.260**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**790**	**940**	**1190**
Initial Porewater Pressure (kPa)	**490.7**	**439.2**	**490.8**
Strain Rate (mm/min)	**0.02789**	**0.02793**	**0.02781**
Axial Strain at Failure (%)	**16.20**	**13.43**	**13.22**
Time to Failure (h)	**19.4**	**16.1**	**15.9**
Deviator Stress at Failure (kPa)	**553.3**	**832.1**	**841.4**
Porewater Pressure at Failure (kPa)	**596**	**664.1**	**904.3**
Effective Major Principal Stress (kPa)	**746.5**	**1108.7**	**1126.2**
Effective Minor Principal Stress (kPa)	**193.2**	**276.6**	**284.8**
Effective Principal Stress Ratio	**3.86**	**4.01**	**3.96**
Pore Pressure Coefficient - A_f	**0.19**	**0.27**	**0.49**

Effective Cohesion (kPa) : **0** Angle of Shear Resistance (degs) : **36.5**

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Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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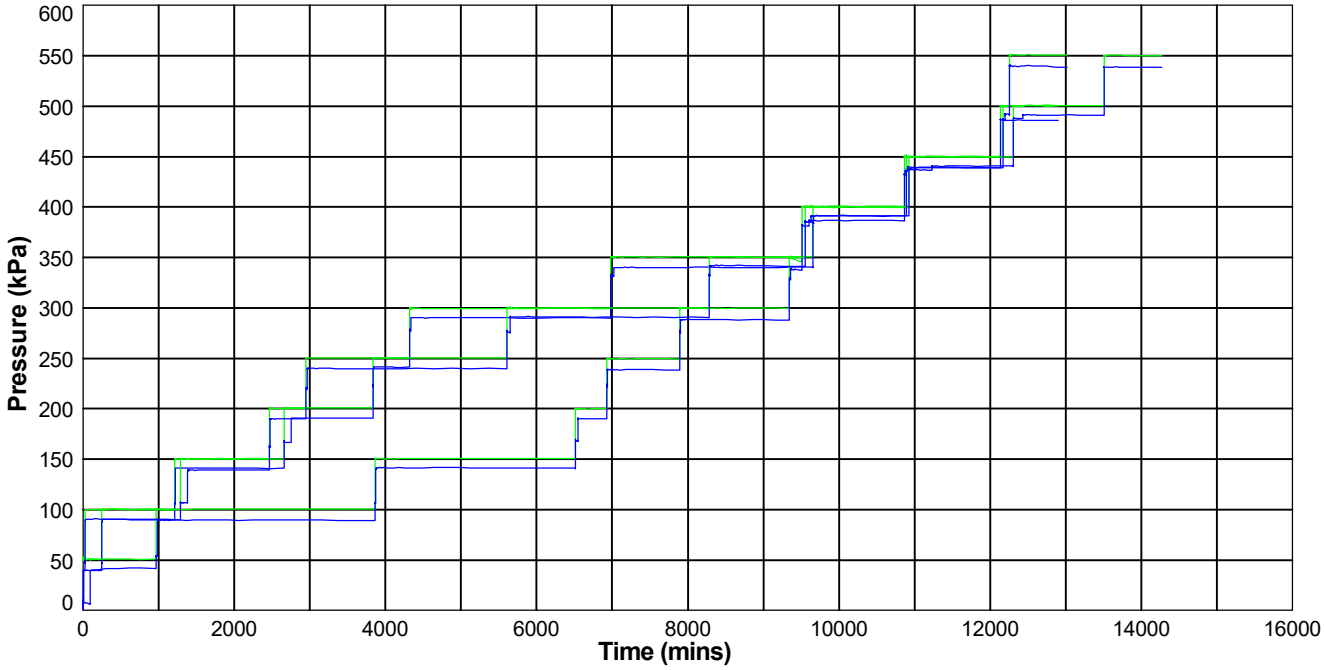
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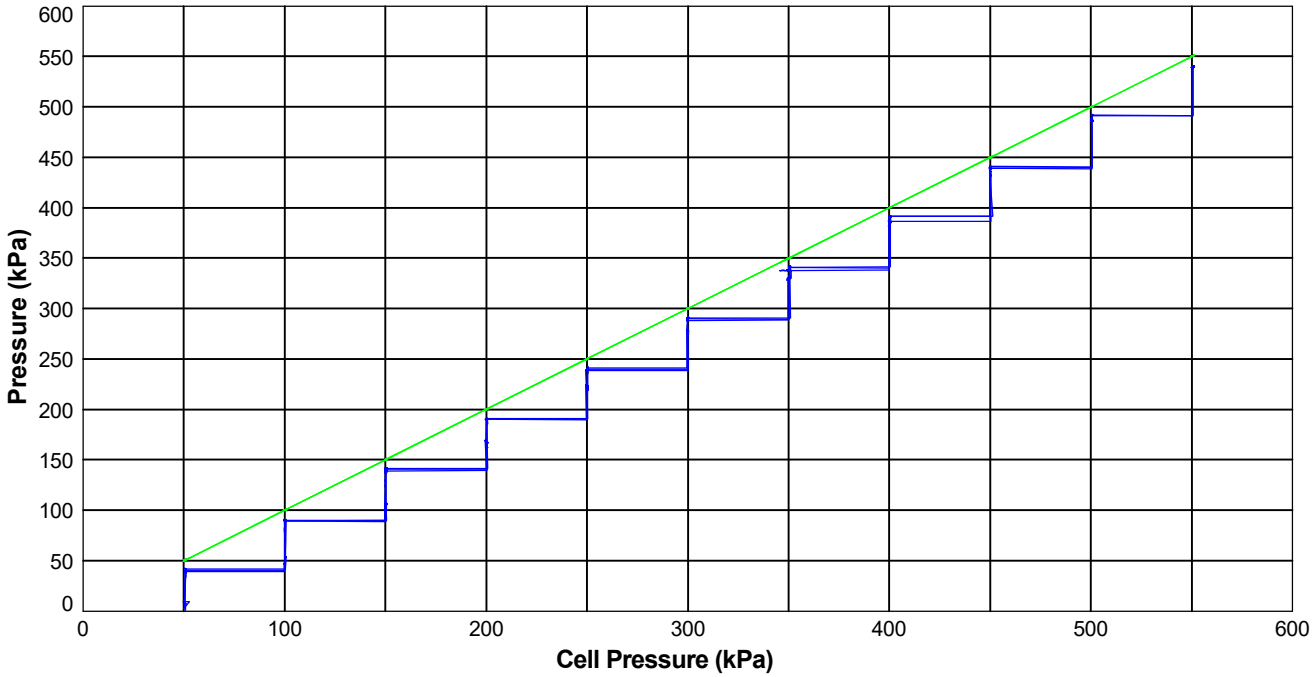
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Borehole : **DCBH2019_7** Sample Ref : **18** Sample Type : **C** Depth (m) : **39.75**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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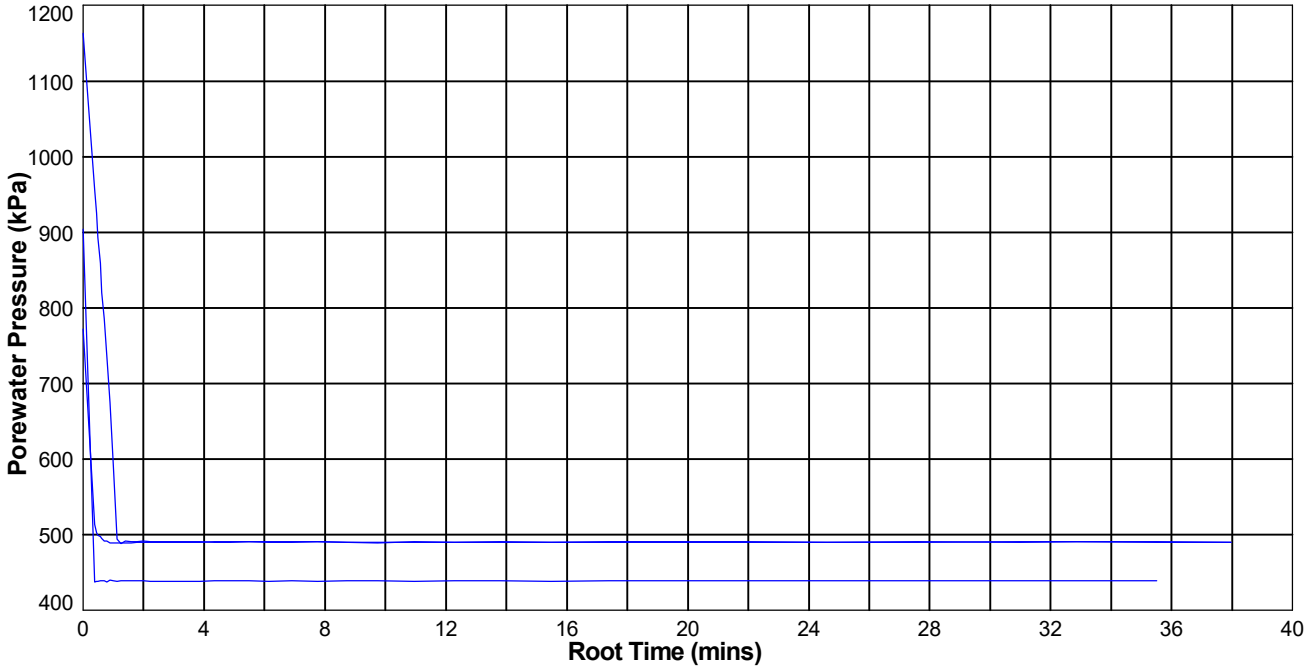
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

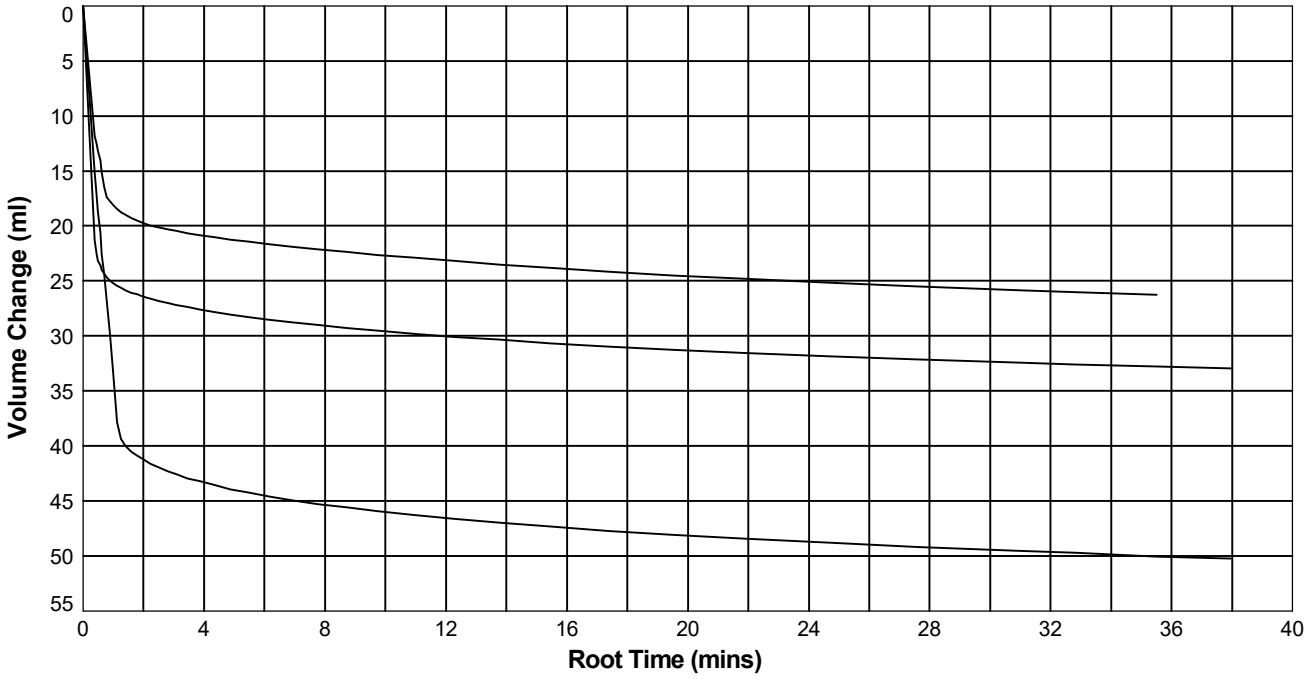
Borehole : **DCBH2019_7** Sample Ref : **18** Sample Type : **C** Depth (m) : **39.75**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



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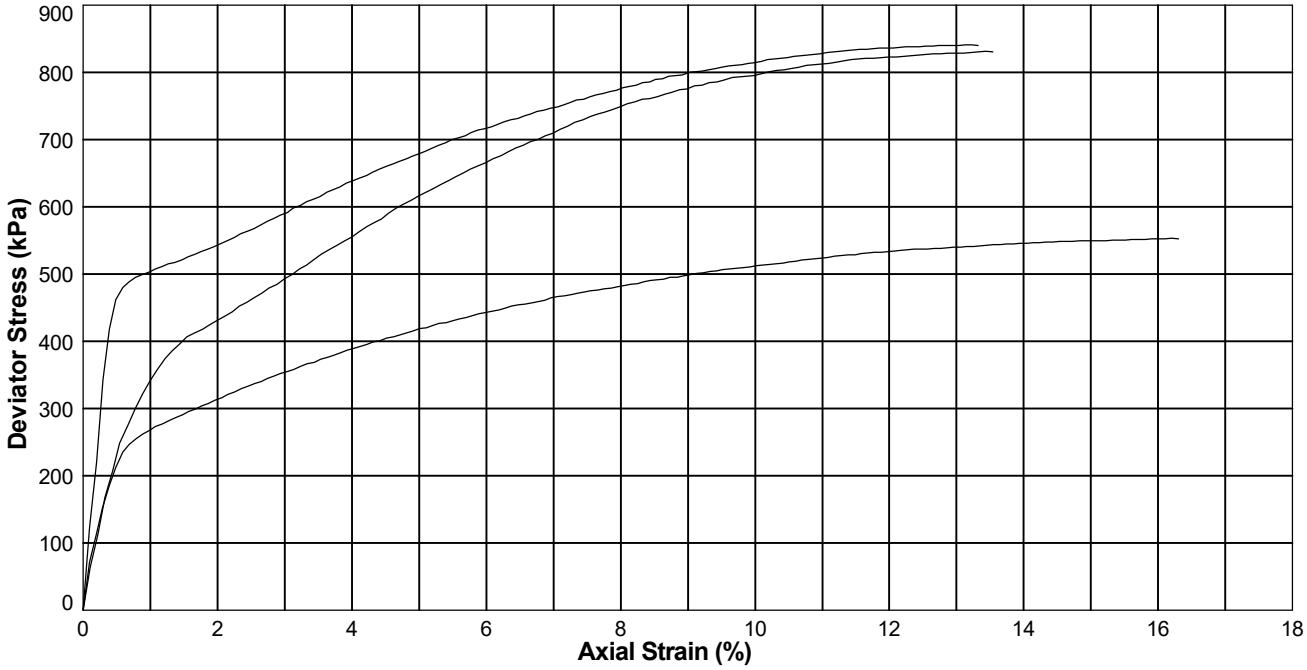
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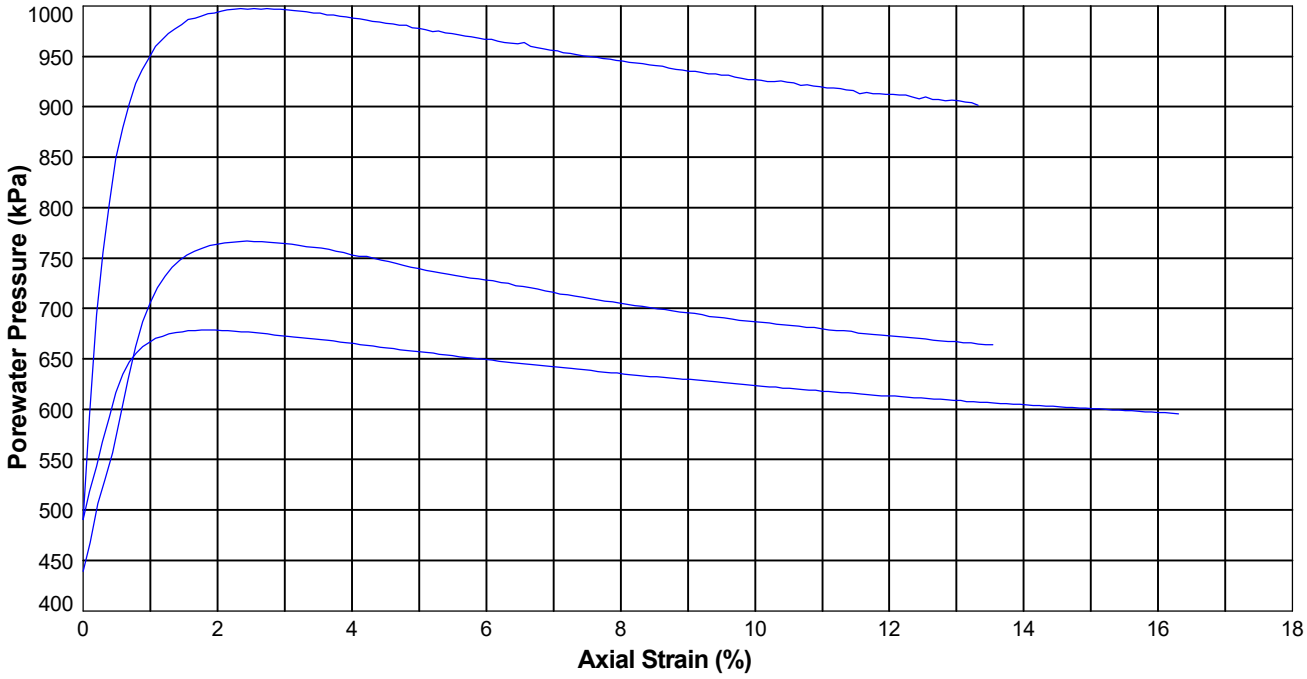
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Borehole : **DCBH2019_7** Sample Ref : **18** Sample Type : **C** Depth (m) : **39.75**

SHEAR STAGE



SHEAR STAGE



Key: Base:

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	C **Sizewell C Onshore GI Phase 2 2019**	Contract Ref: **734318**

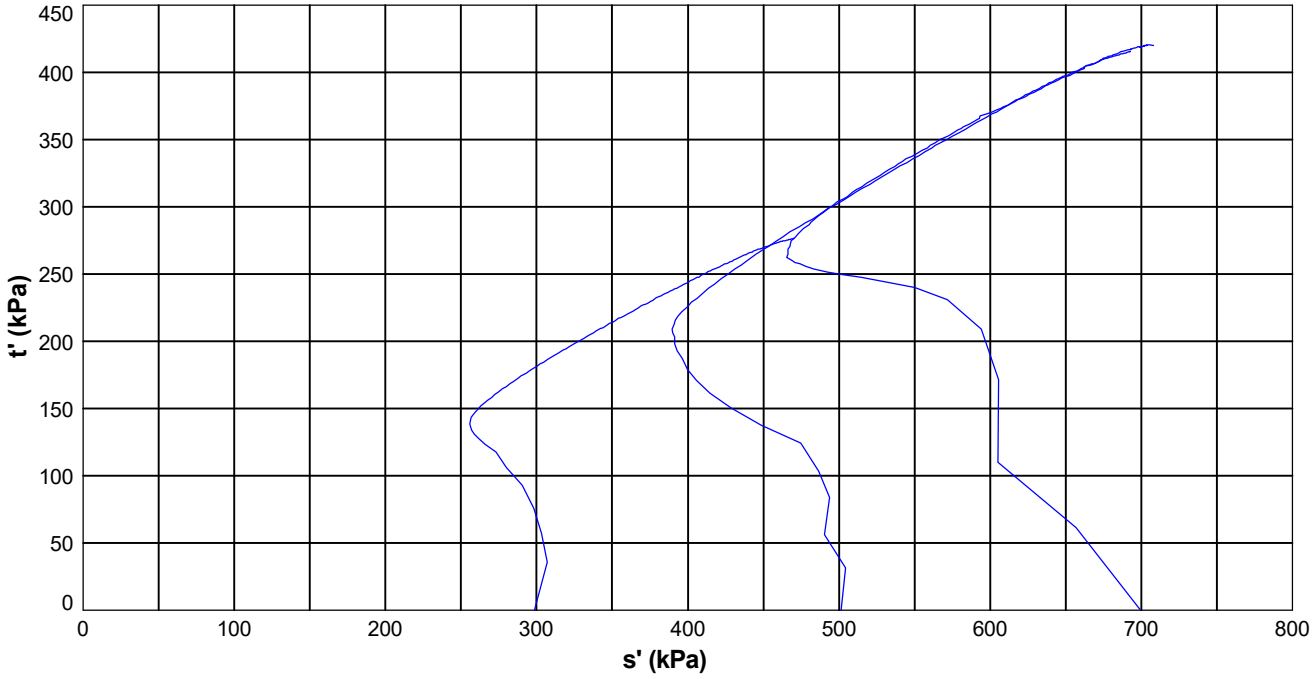
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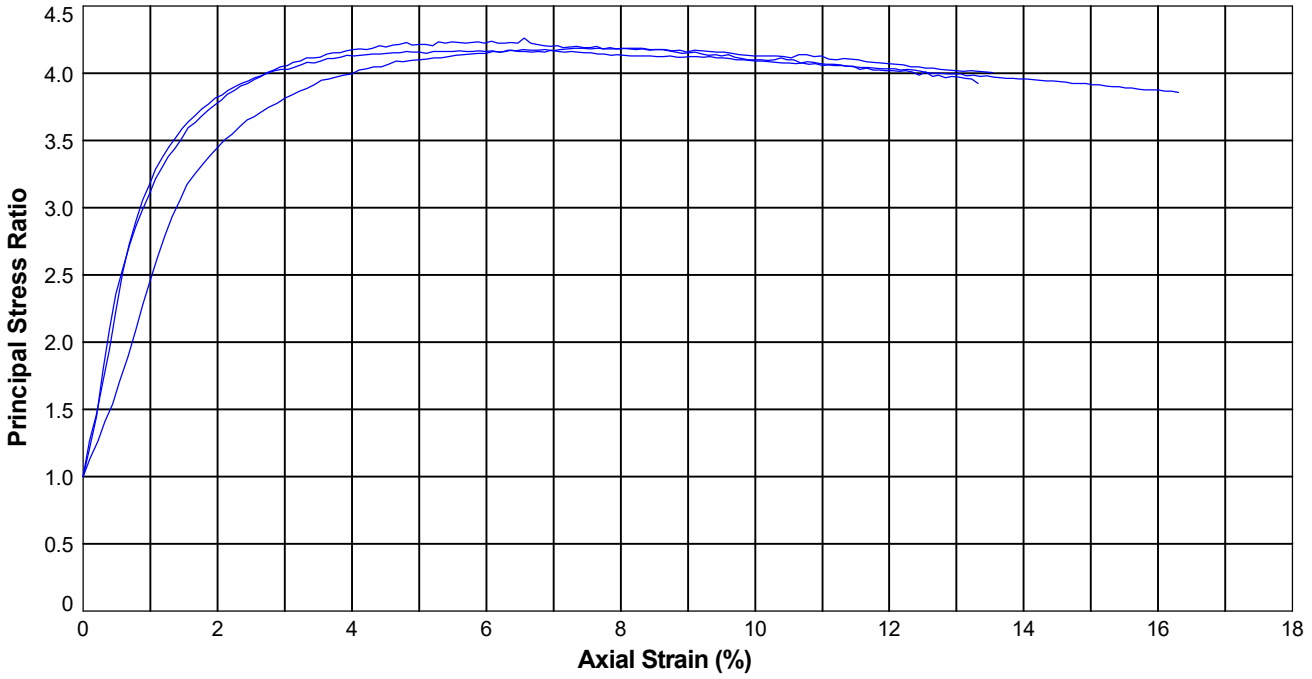
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Borehole : **DCBH2019_7** Sample Ref : **18** Sample Type : **C** Depth (m) : **39.75**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
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Bristol
BS3 4AG

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Date: 29/05/20

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

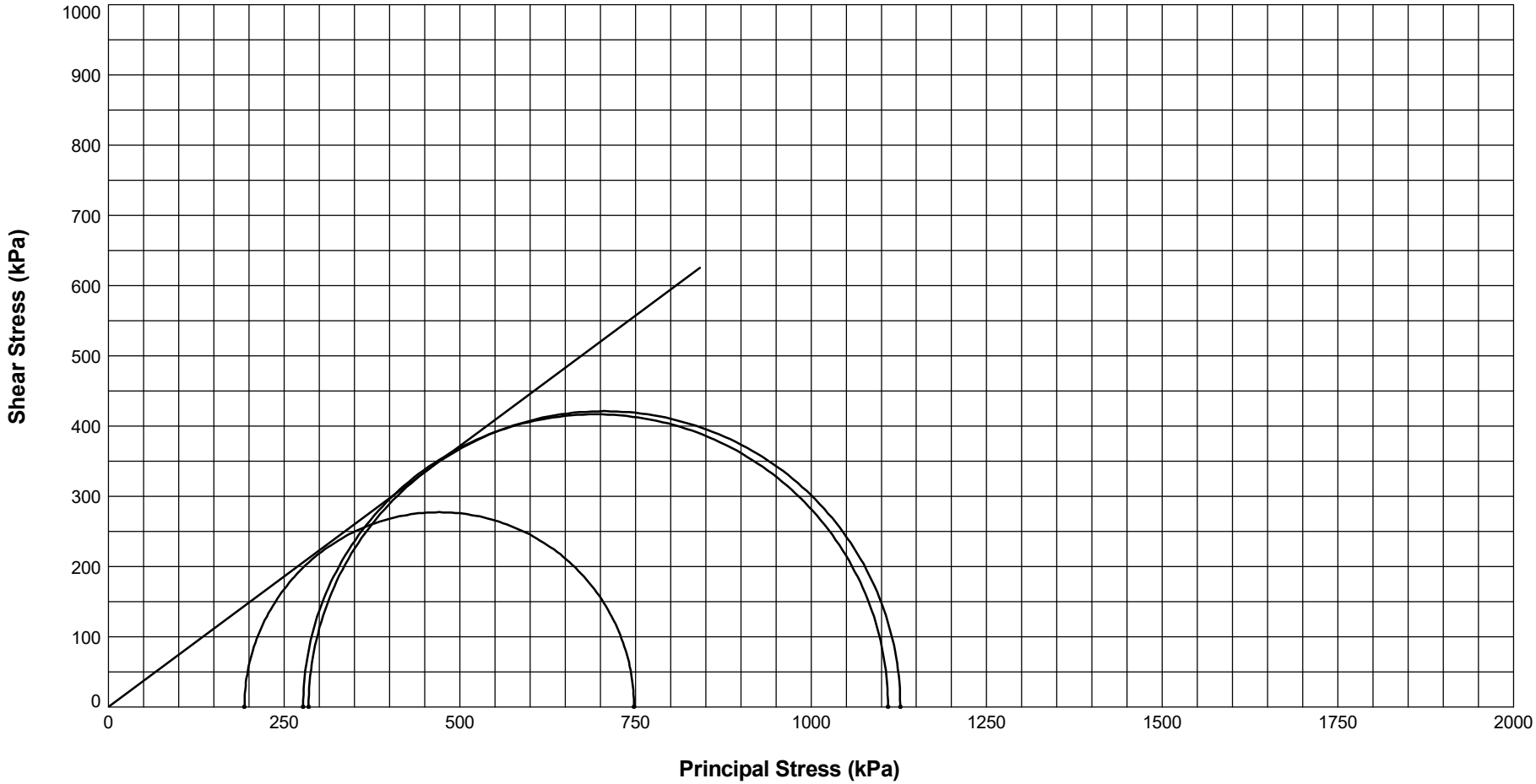
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_7** Sample Ref : **18** Sample Type : **C** Depth (m) : **39.75**



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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **26** Sample Type : **C** Depth (m) : **56.28**

Drainage : **Radial + 1 End** Sample Condition : **Undisturbed**

Description : **Dark brown slightly sandy CLAY**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**37.94**	**37.91**	**38.14**
Initial Height (mm)	**75.76**	**75.72**	**75.64**
Initial Mass (g)	**167.20**	**166.02**	**167.90**
Initial Moisture Content (%)	**32**	**33**	**32**
Initial Bulk Density (Mg/m^3)	**1.95**	**1.97**	**1.94**
Initial Dry Density (Mg/m^3)	**1.48**	**1.48**	**1.47**
Initial B-Value	**0.85**	**0.60**	**0.90**
Final Moisture Content (%)	**31**	**30**	**29**
Final Bulk Density (Mg/m^3)	**2.18**	**2.19**	**2.20**
Final Dry Density (Mg/m^3)	**1.66**	**1.68**	**1.70**
SATURATION			
Duration (days)	**5**	**5**	**5**
Final B-Value	**0.97**	**1.00**	**1.00**
CONSOLIDATION			
Duration (days)	**6**	**6**	**11**
Cell Pressure (kPa)	**840**	**990**	**1190**
Back Pressure (kPa)	**440**	**390**	**390**
Initial Volume (cm^3)	**85.631**	**84.465**	**86.406**
Final Volume (cm^3)	**76.251**	**74.335**	**74.726**
Change in Volume (cm^3)	**9.380**	**10.130**	**11.680**
COMPRESSION			
Duration (days)	**5**	**5**	**10**
Cell Pressure (kPa)	**840**	**990**	**1190**
Initial Porewater Pressure (kPa)	**446.5**	**395.2**	**446.7**
Strain Rate (mm/min)	**0.00112**	**0.00103**	**0.00039**
Axial Strain at Failure (%)	**5.78**	**3.88**	**2.52**
Time to Failure (h)	**65.7**	**46.4**	**81.8**
Deviator Stress at Failure (kPa)	**367.4**	**436.5**	**461.3**
Porewater Pressure at Failure (kPa)	**564.8**	**599.5**	**681.3**
Effective Major Principal Stress (kPa)	**643.5**	**826.2**	**970.0**
Effective Minor Principal Stress (kPa)	**276.1**	**389.7**	**508.7**
Effective Principal Stress Ratio	**2.33**	**2.12**	**1.91**
Pore Pressure Coefficient - A_f	**0.32**	**0.47**	**0.51**

Effective Cohesion (kPa) : **103** Angle of Shear Resistance (degs) : **10.5**

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By **FRANCESCA BENNETT** Date **29/05/20**

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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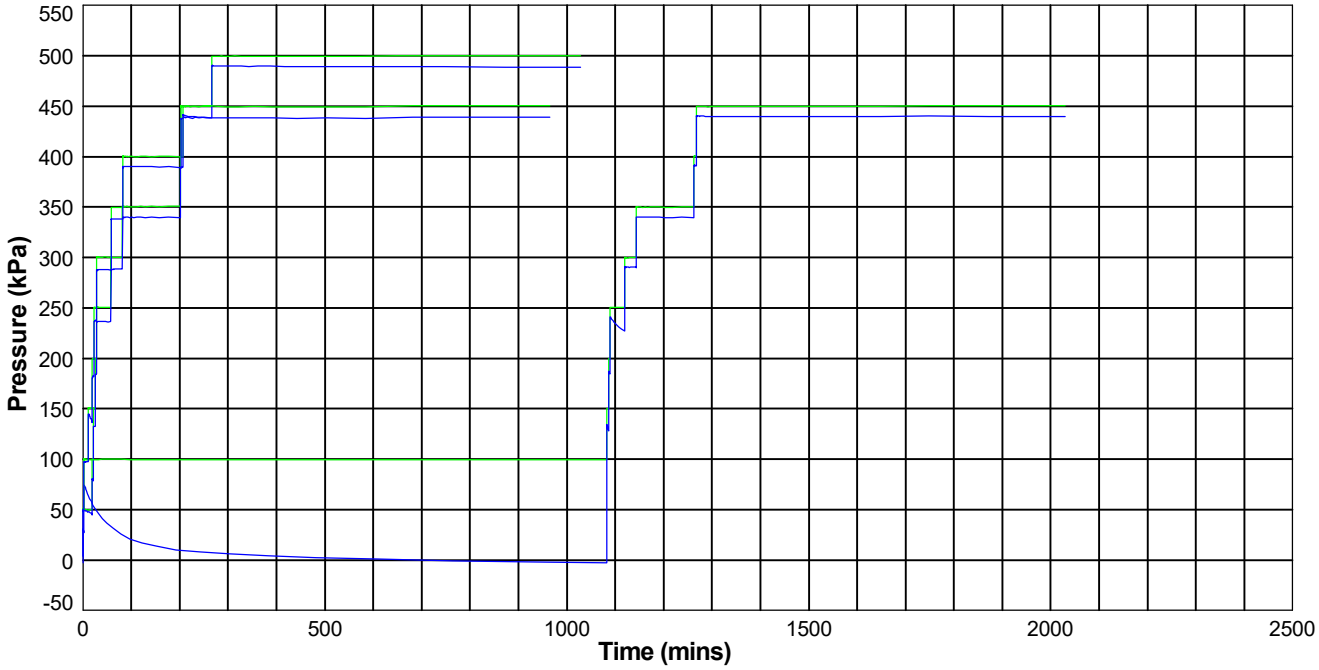
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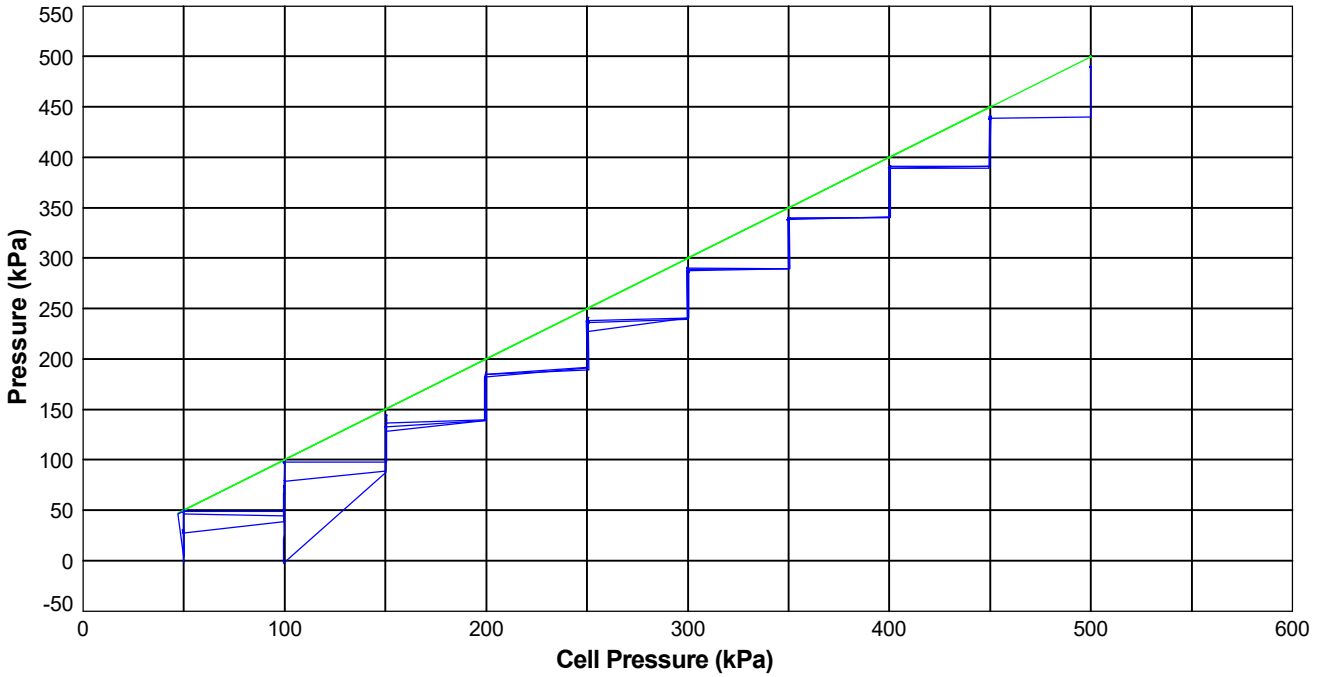
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **26** Sample Type : **C** Depth (m) : **56.28**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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	FRANCESCA BENNETT	29/05/20
C	Contract Ref:	
Sizewell C Onshore GI Phase 2 2019	734318	

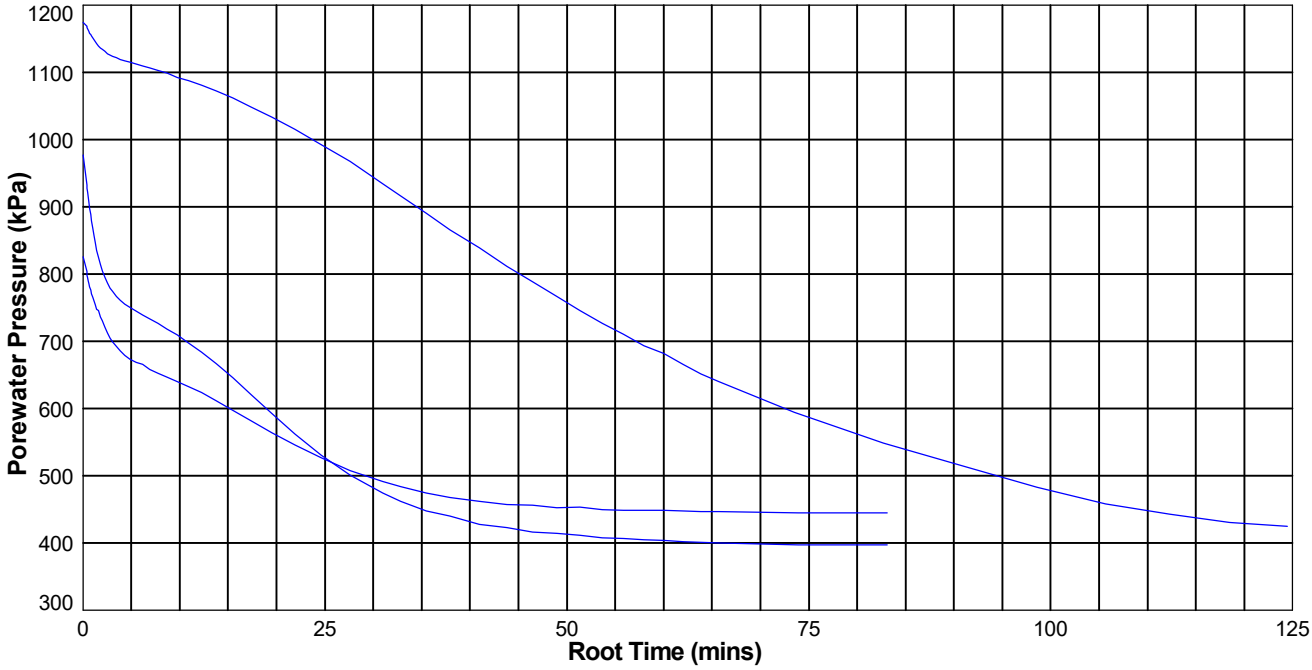
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

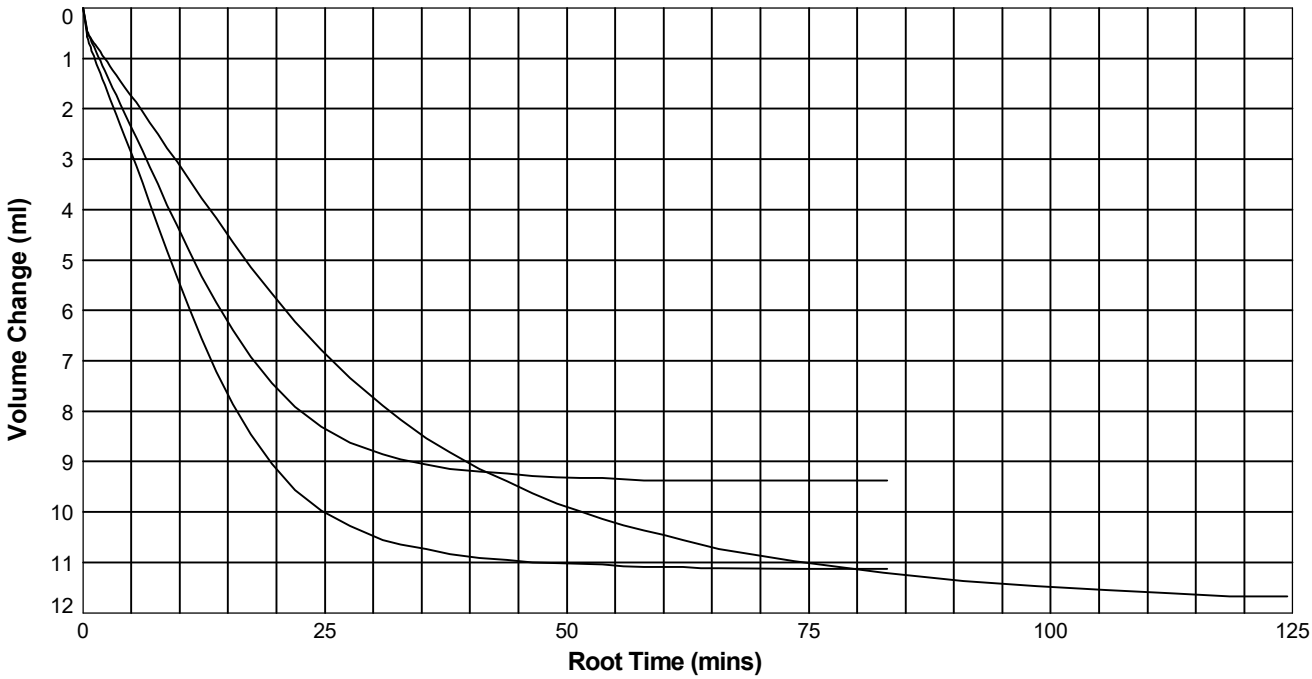
Borehole : **DCBH2019_7** Sample Ref : **26** Sample Type : **C** Depth (m) : **56.28**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted] piled By	FRANCESCA BENNETT	Date: 29/05/20
	Co	Sizewell C Onshore GI Phase 2 2019	Contract Ref: 734318

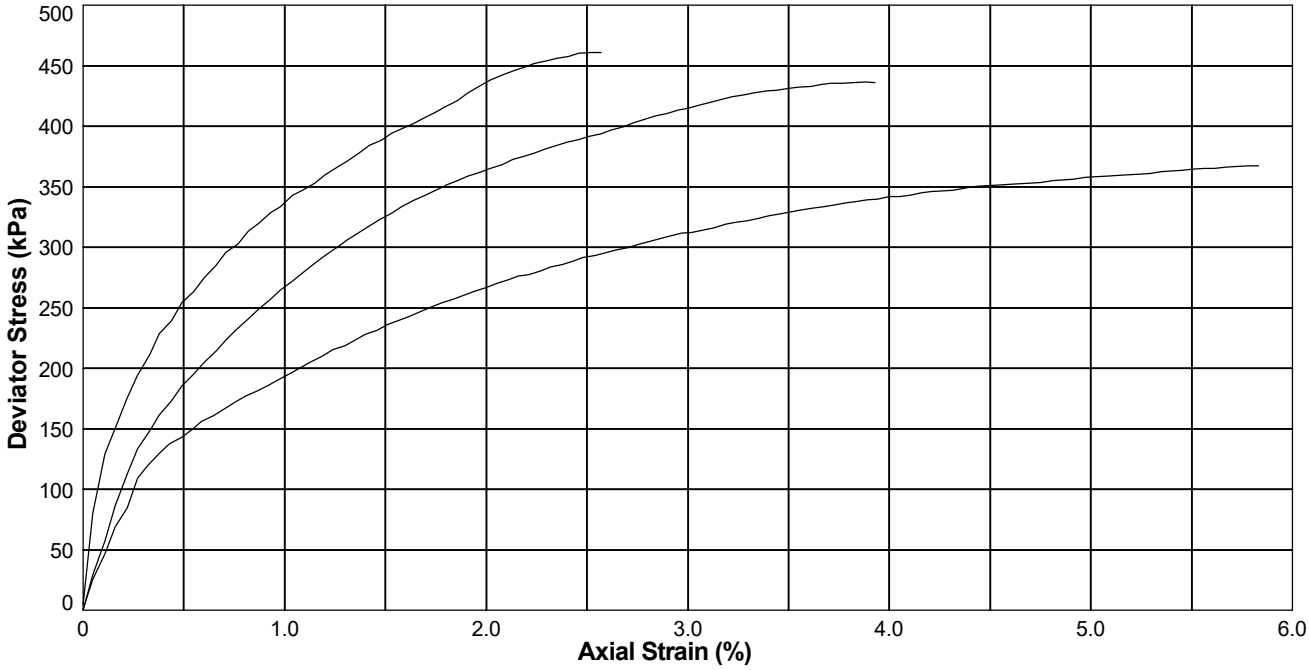
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

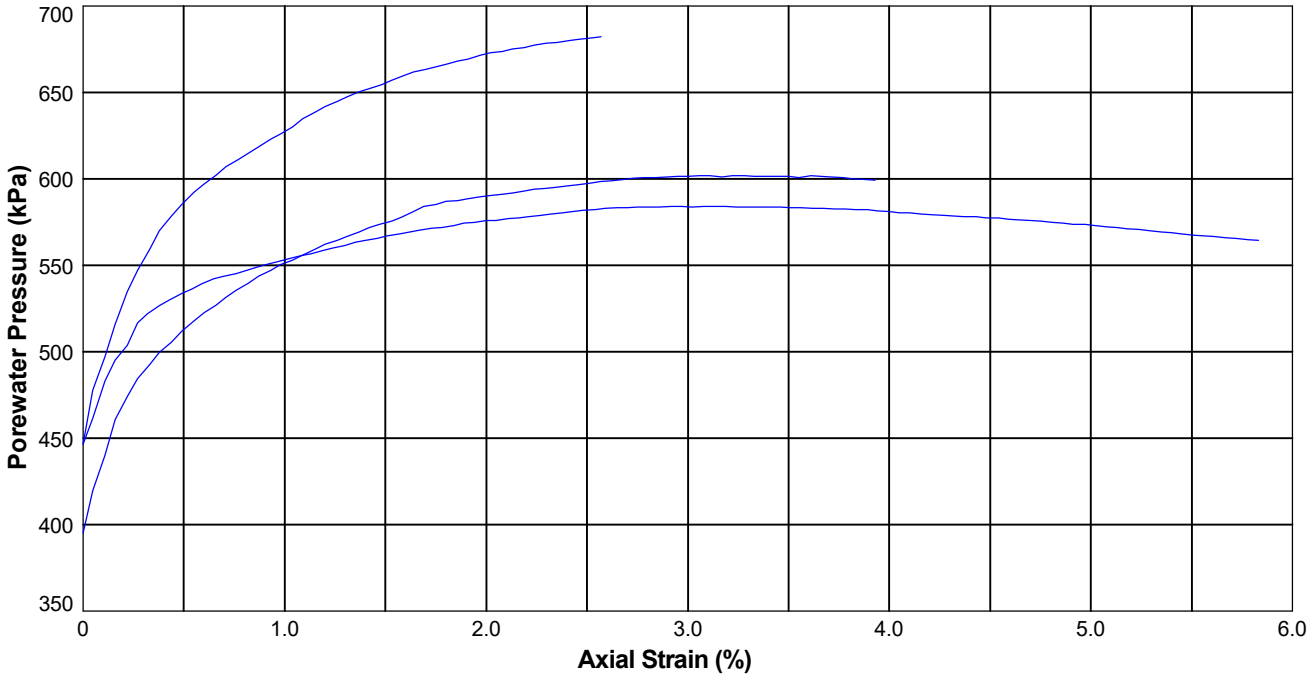
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **26** Sample Type : **C** Depth (m) : **56.28**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date
	[redacted]	**FRANCESCA BENNETT**	**29/05/20**
	C **Sizewell C Onshore GI Phase 2 2019**	Contract Ref: **734318**	

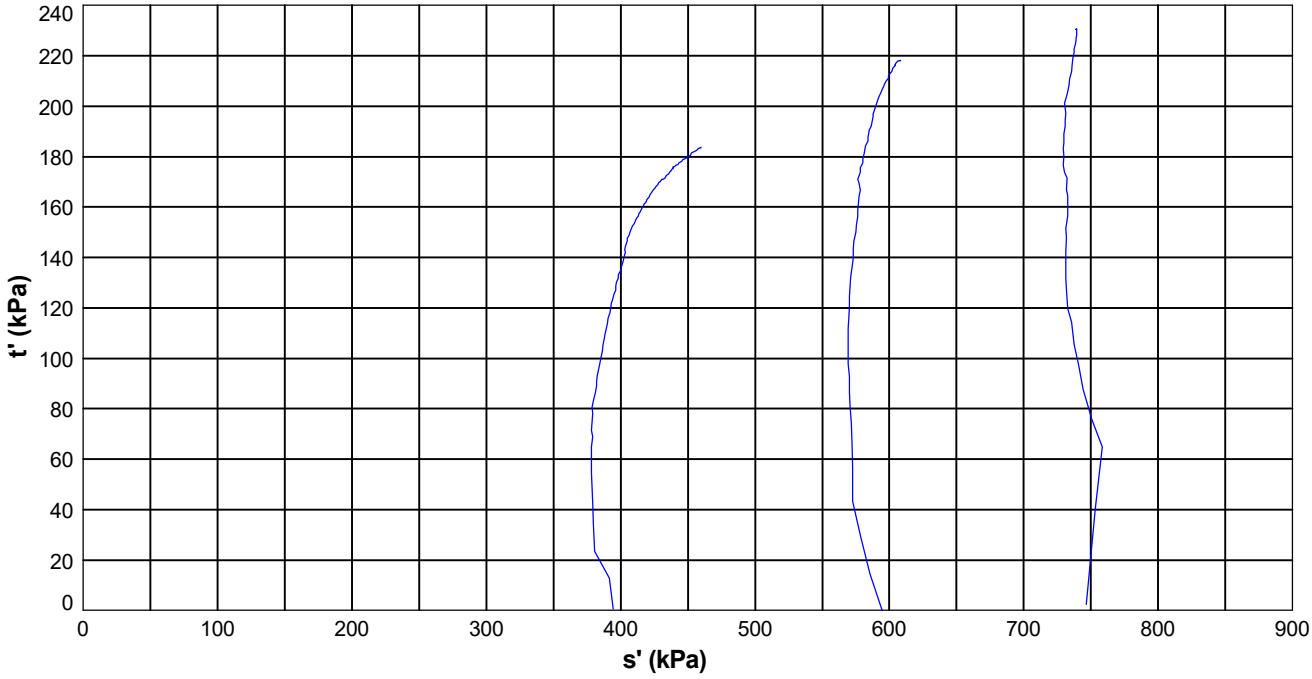
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Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 29/05/20 - 08:48 | AF3 |

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

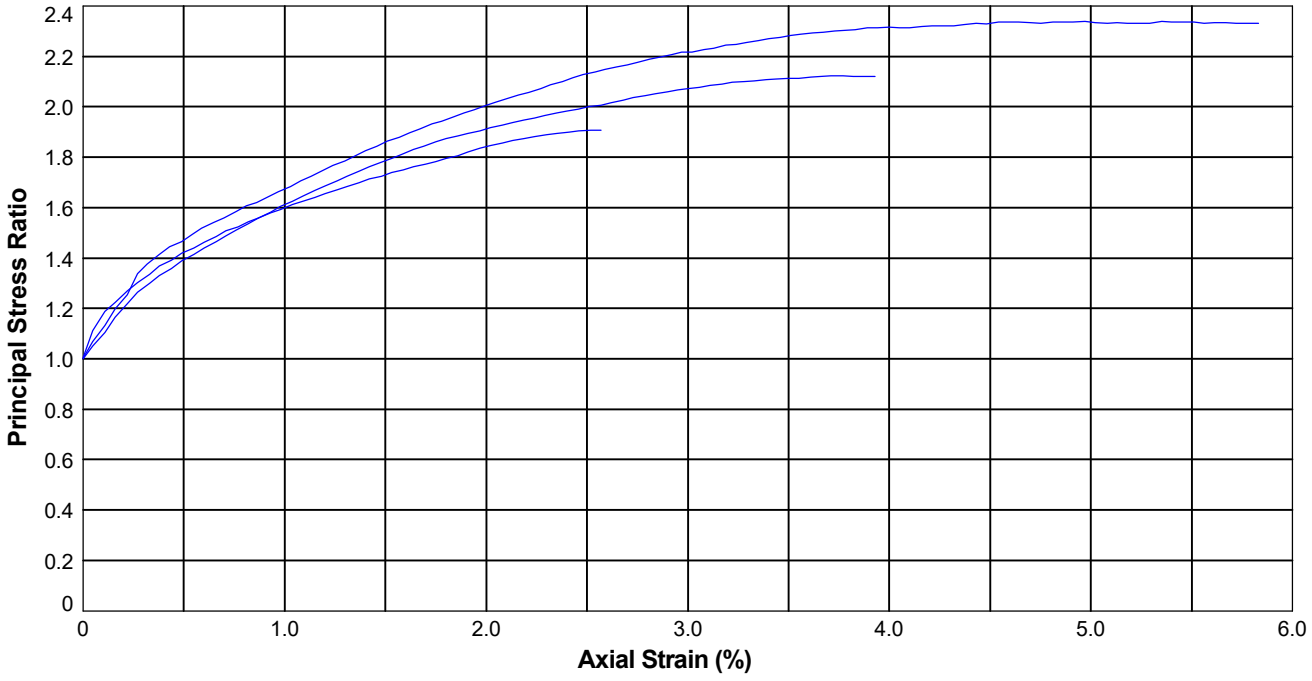
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **26** Sample Type : **C** Depth (m) : **56.28**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
1a Princess Street
Bedminster
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Compiled By	Date
[redacted] FRANCESCA BENNETT	29/05/20

C

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

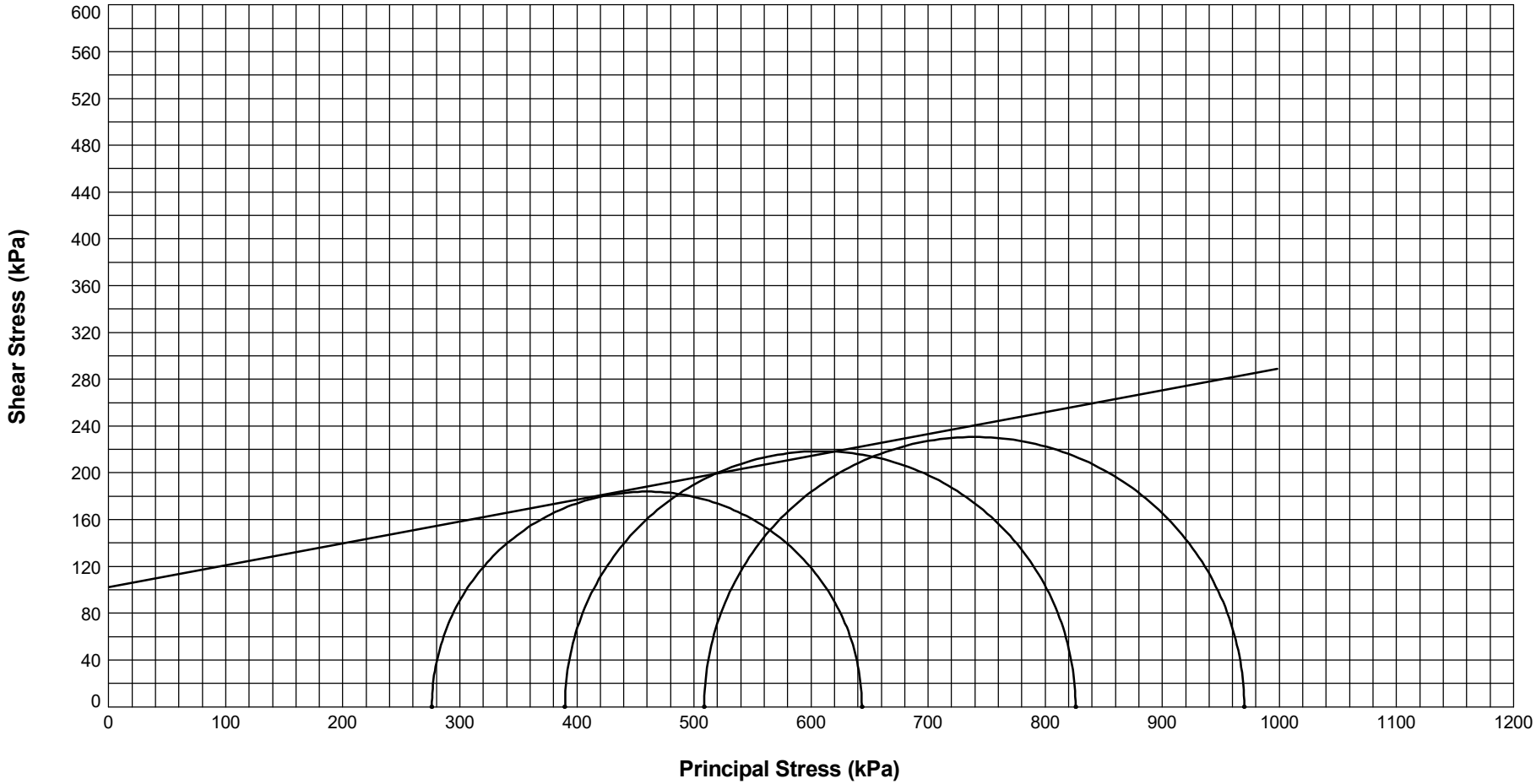
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CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_7** Sample Ref : **26** Sample Type : **C** Depth (m) : **56.28**



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Compiled By		Date
[redacted]	FRANCESCA BENNETT	29.05.20
Contra		

Contract Ref: **734318**

Sizewell C Onshore GI Phase 2 2019

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - EFFECTIVE STRESS 17892 MOHR - A4L | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 29/05/20 - 08:38 | AF3 |

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

SPECIMEN DETAILS			
TEST DETAILS			
		Specimen No. 1	**Specimen No. 2**	**Specimen No. 3**
	mm			
	mm			
	%			
	Mg/m³			
SATURATION STAGE				
	kPa			
	kPa			
	day(s)			
CONSOLIDATION STAGE				
	kPa			
	kPa			
	kPa			
	kPa			
	%			
	day(s)			
SHEARING STAGE				
	kPa			
	mm/min			
	kPa			
	kPa			
CONDITIONS AT FAILURE	*criteria*			
	kPa			
	kPa			
	kPa			
	kPa			
	%			
Membrane & filter correction applied to Deviator Stress	*kPa*			
	day(s)			
	%			
	Mg/m³			
EFFECTIVE STRESS PARAMETERS				
	kPa			
	degrees			
FAILURE SKETCH				

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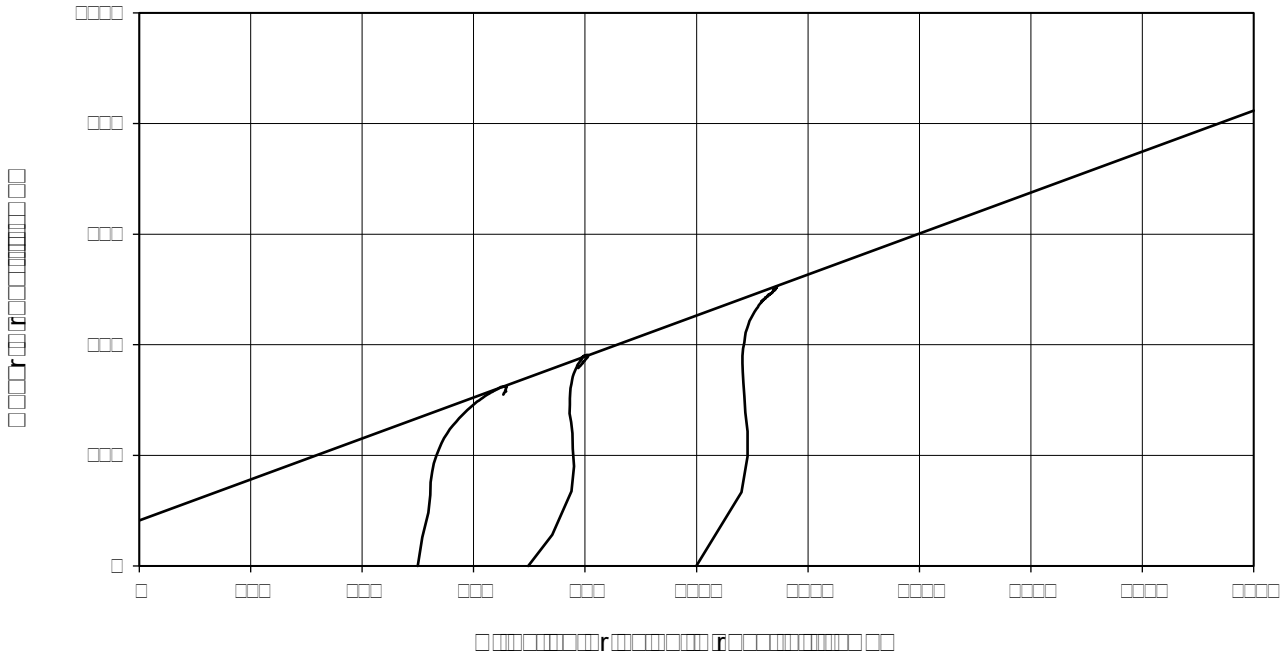
SIZEWELL C GI PHASE 2 TO1

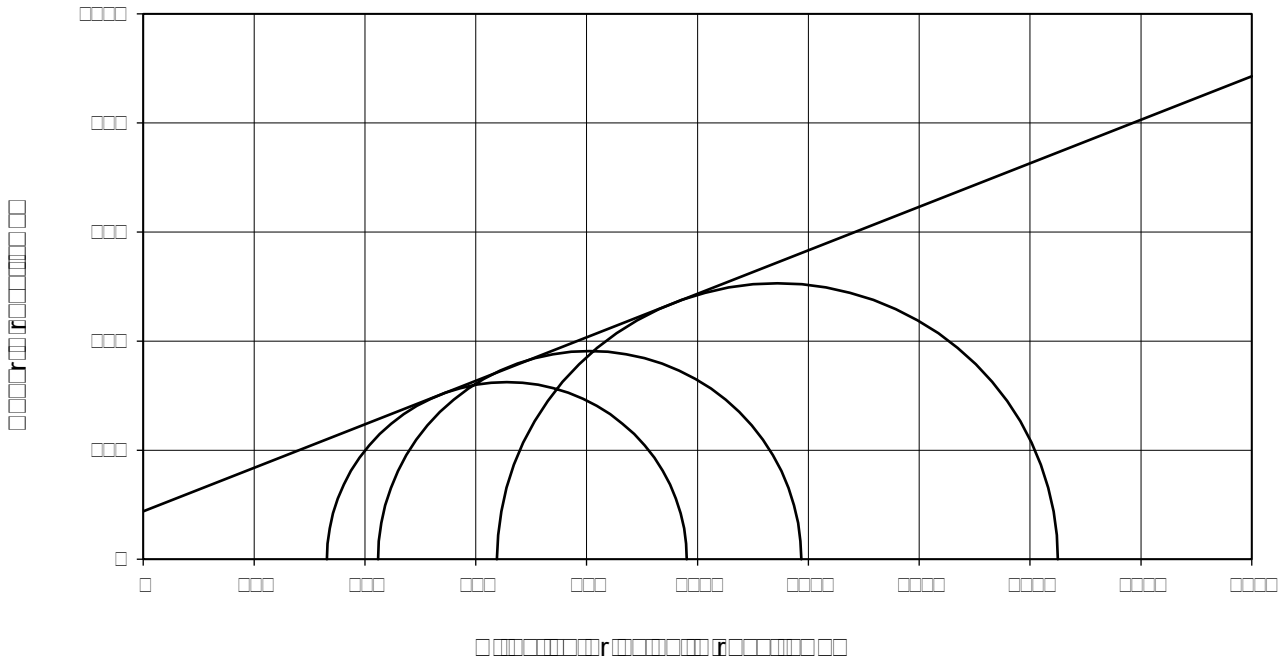
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GEOLABS

UKAS TESTING 1982

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure





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UKAS TESTING 1982

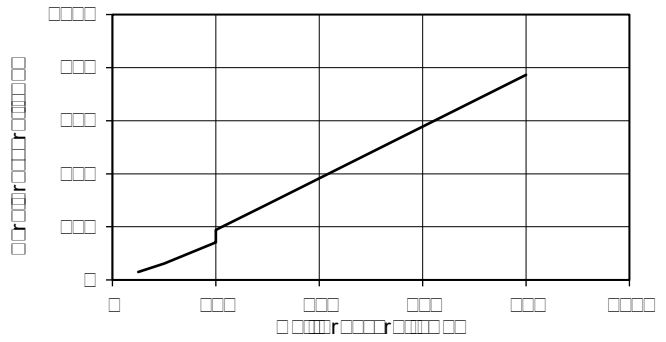
GEO / 30788

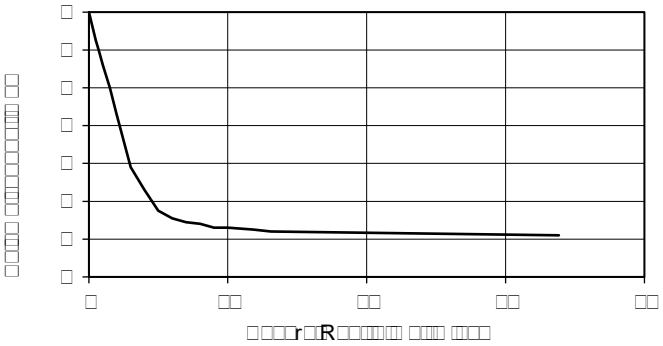
SIZEWELL C GI PHASE 2 TO1

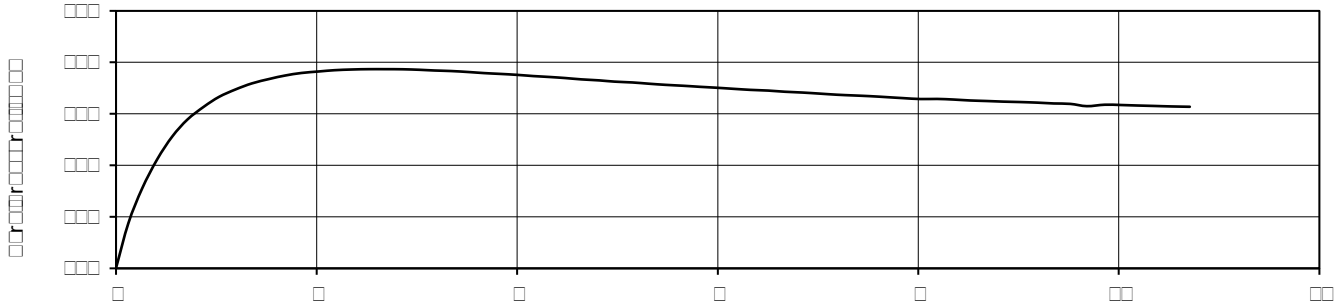
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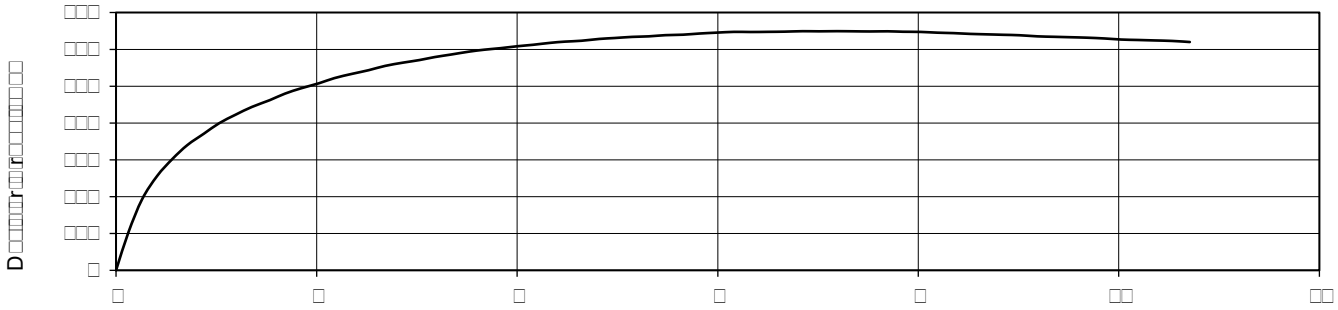
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

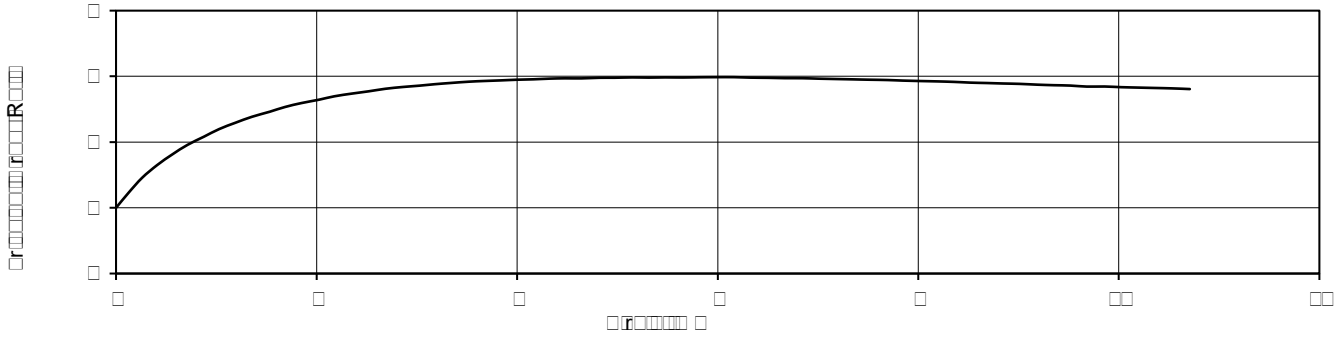
Specimen 1











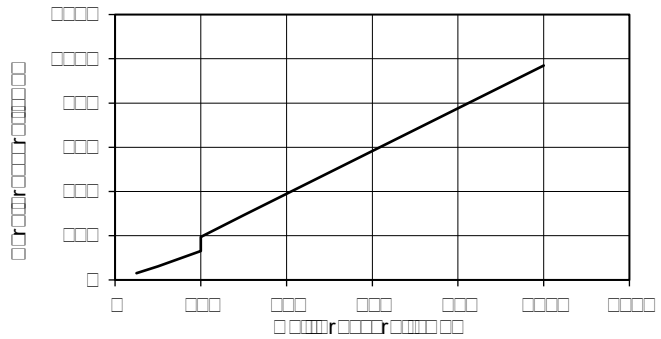
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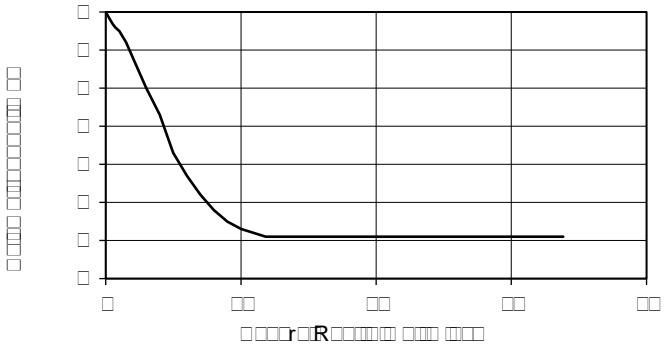
SIZEWELL C GI PHASE 2 TO1

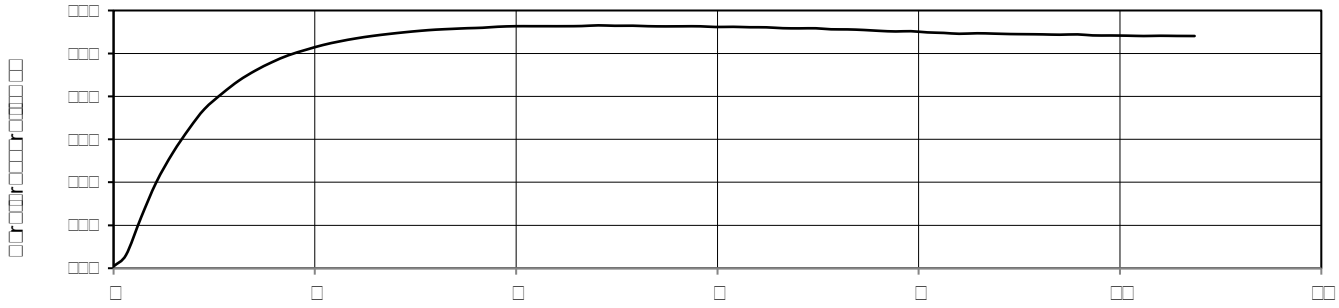
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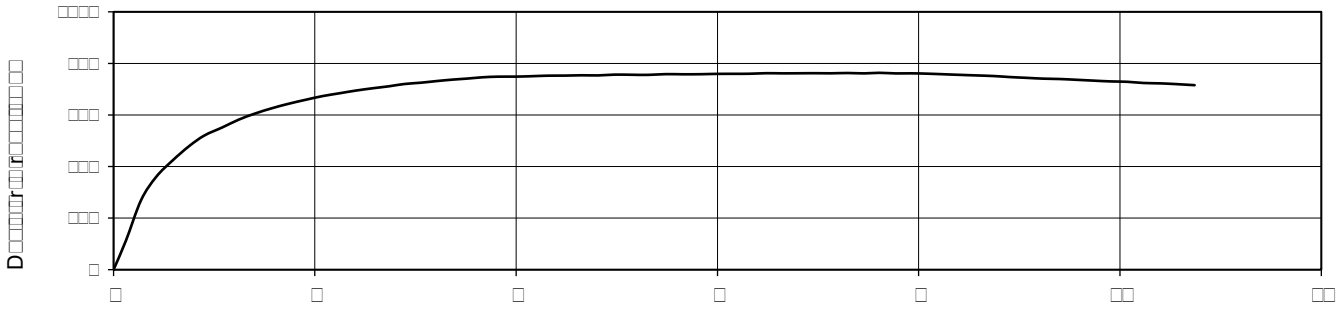
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

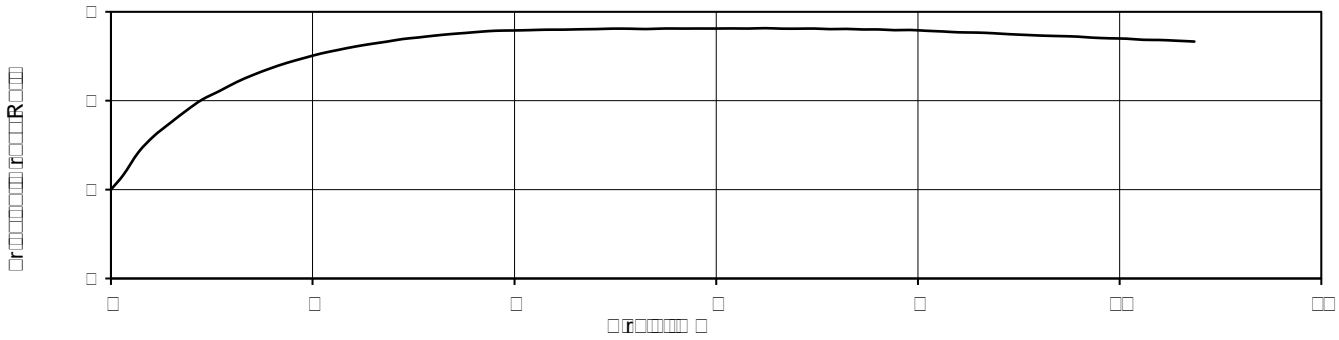
Specimen 2











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SIZEWELL C GI PHASE 2 TO1

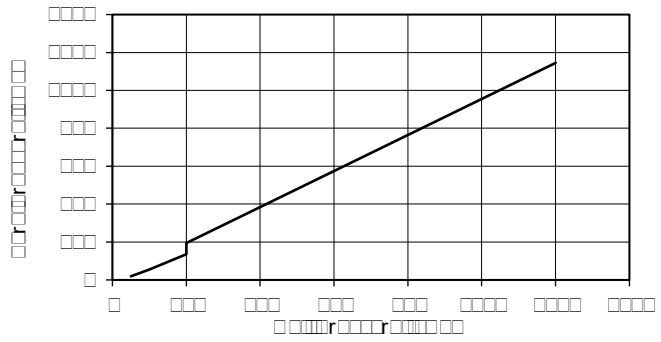
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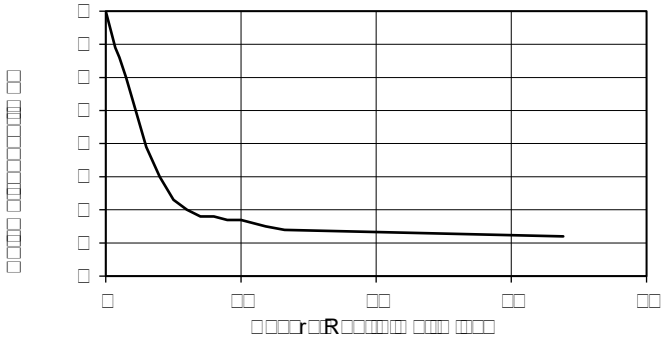
GEOLABS

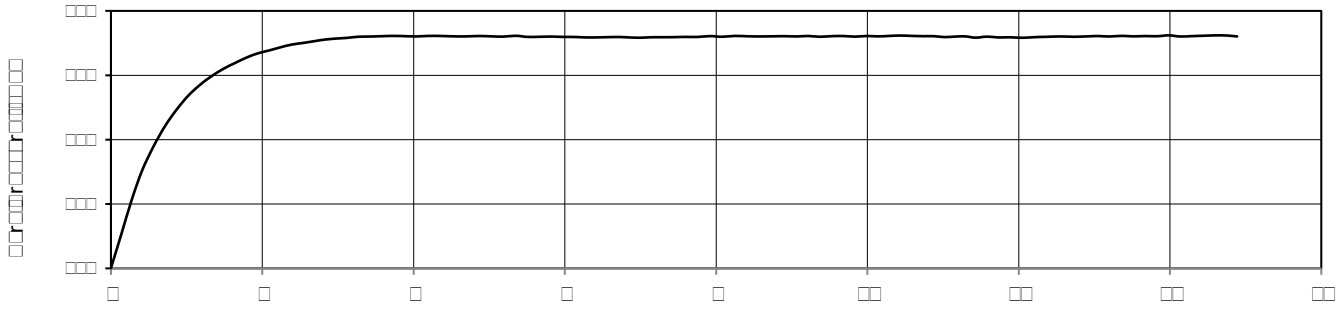
UKAS TESTING 1982

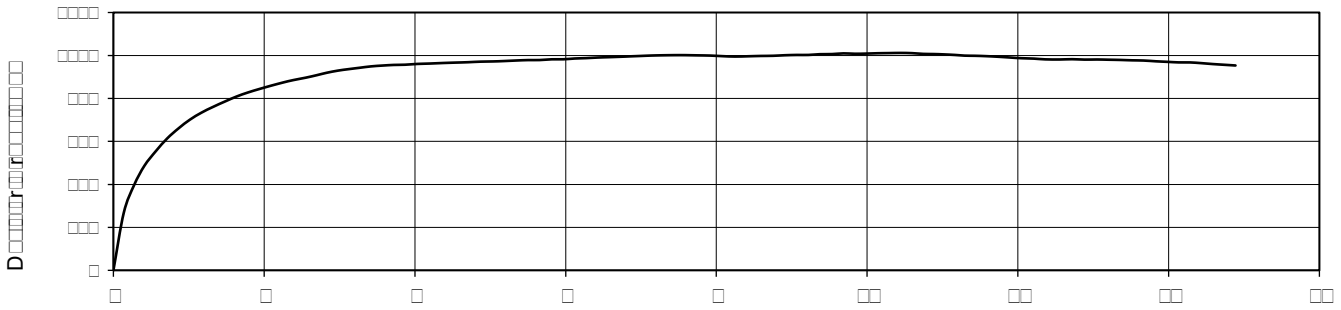
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

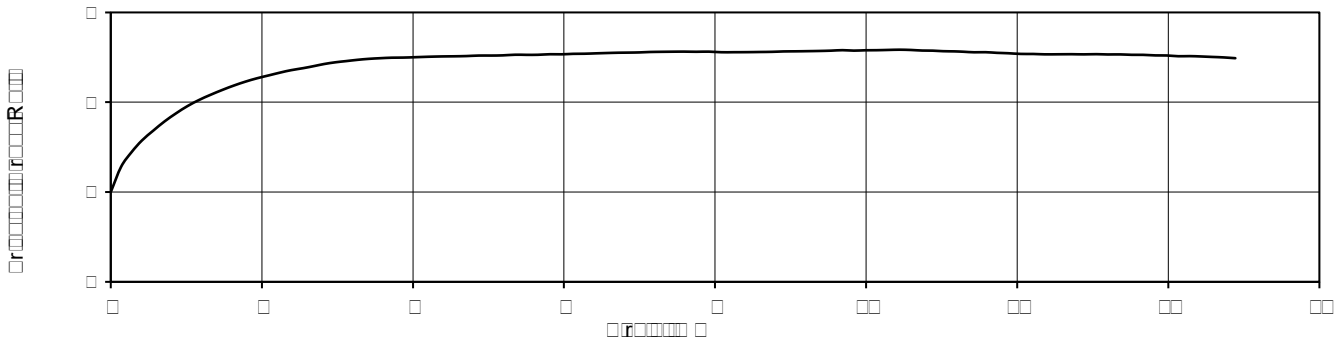
Specimen 3











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SIZEWELL C GI PHASE 2 TO1

734318

GEOLABS

UKAS TESTING 1982

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **36** Sample Type : **C** Depth (m) : **64.20**

Drainage : **1 end only** Sample Condition : **Remoulded**

Description : **Greyish brown silty/clayey SAND**

	1	2	3
SPECIMEN DETAILS			
Initial Diameter (mm)	**50.02**	**50.00**	**50.01**
Initial Height (mm)	**100.05**	**100.10**	**100.07**
Initial Mass (g)	**384.30**	**385.90**	**386.43**
Initial Moisture Content (%)	**22**	**22**	**22**
Initial Bulk Density (Mg/m^3)	**1.96**	**1.96**	**1.97**
Initial Dry Density (Mg/m^3)	**1.60**	**1.61**	**1.61**
Initial B-Value	**0.23**	**0.29**	**0.28**
Final Moisture Content (%)	**23**	**22**	**23**
Final Bulk Density (Mg/m^3)	**2.00**	**2.02**	**2.02**
Final Dry Density (Mg/m^3)	**1.63**	**1.65**	**1.64**
SATURATION			
Duration (days)	**7**	**7**	**5**
Final B-Value	**1.00**	**1.00**	**1.00**
CONSOLIDATION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**990**	**1190**	**1290**
Back Pressure (kPa)	**490**	**490**	**390**
Initial Volume (cm^3)	**196.572**	**196.559**	**196.585**
Final Volume (cm^3)	**193.722**	**192.209**	**192.585**
Change in Volume (cm^3)	**2.850**	**4.350**	**4.000**
COMPRESSION			
Duration (days)	**1**	**1**	**1**
Cell Pressure (kPa)	**990**	**1190**	**1290**
Initial Porewater Pressure (kPa)	**492.4**	**492.9**	**393**
Strain Rate (mm/min)	**0.01383**	**0.01380**	**0.01380**
Axial Strain at Failure (%)	**6.98**	**9.36**	**8.03**
Time to Failure (h)	**8.4**	**11.2**	**9.6**
Deviator Stress at Failure (kPa)	**2822.2**	**2950.0**	**3153.1**
Porewater Pressure at Failure (kPa)	**-33**	**31**	**6.9**
Effective Major Principal Stress (kPa)	**3846.0**	**4107.9**	**4433.9**
Effective Minor Principal Stress (kPa)	**1023.8**	**1157.9**	**1280.8**
Effective Principal Stress Ratio	**3.76**	**3.55**	**3.46**
Pore Pressure Coefficient - A_f	**-0.19**	**-0.16**	**-0.12**

Effective Cohesion (kPa) : **65** Angle of Shear Resistance (degs) : **32.5**

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FRANCESCA BENNETT Date **29/05/20**

Sizewell C Onshore GI Phase 2 2019 Job No **734318**

AGS

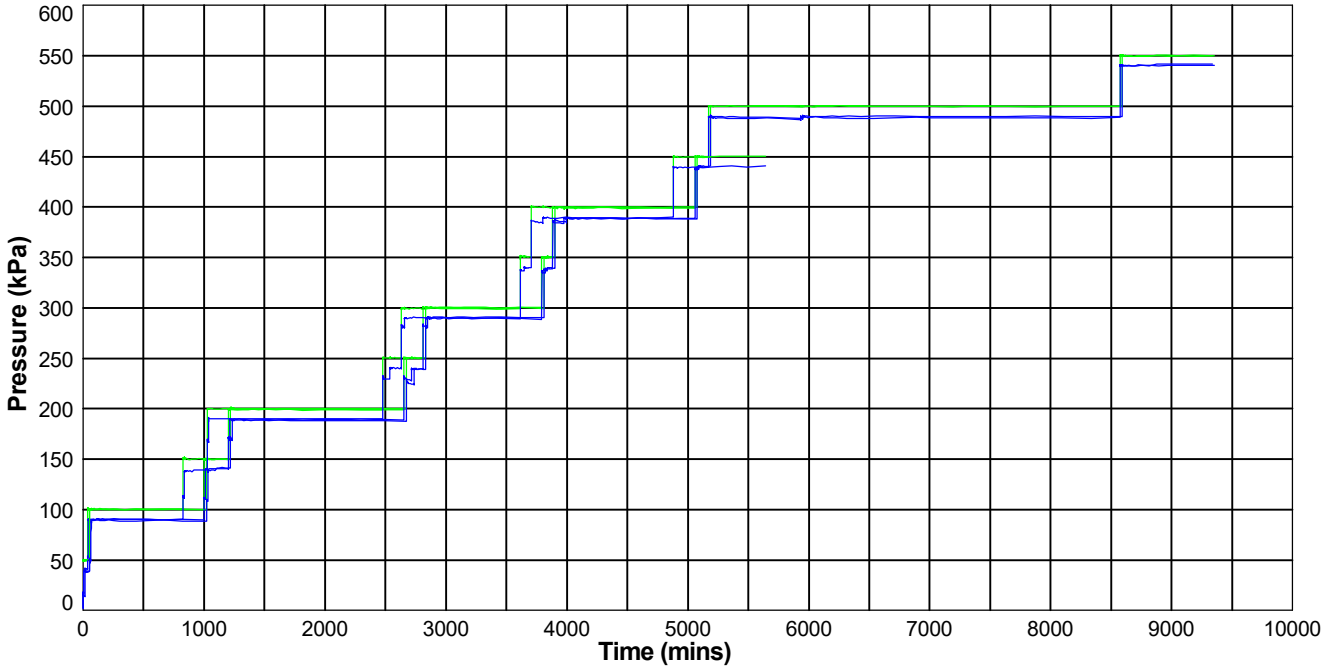
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

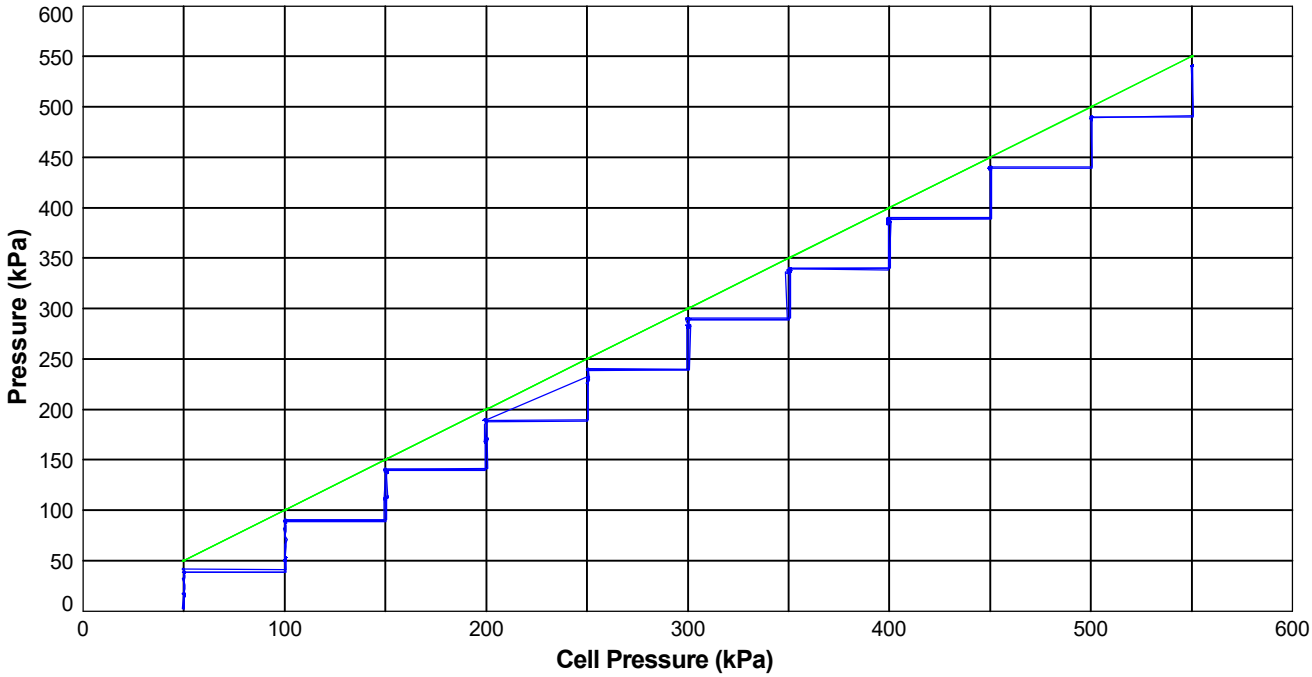
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **36** Sample Type : **C** Depth (m) : **64.20**

SATURATION STAGE



SATURATION STAGE



Key: Cell Pressure: Porewater Pressure (Base):

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1a Princess Street
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Compiled By	Date
[redacted] FRANCESCA BENNETT	29/05/20

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

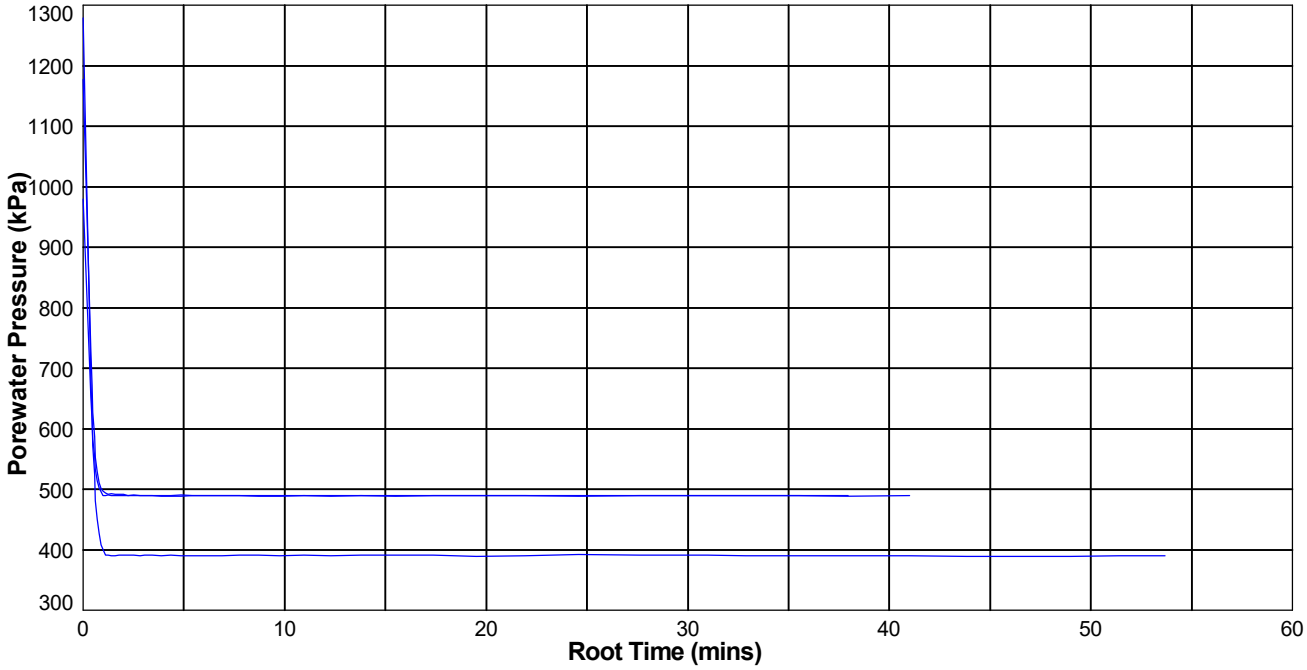
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

In accordance with BS EN ISO 17892 Part 9

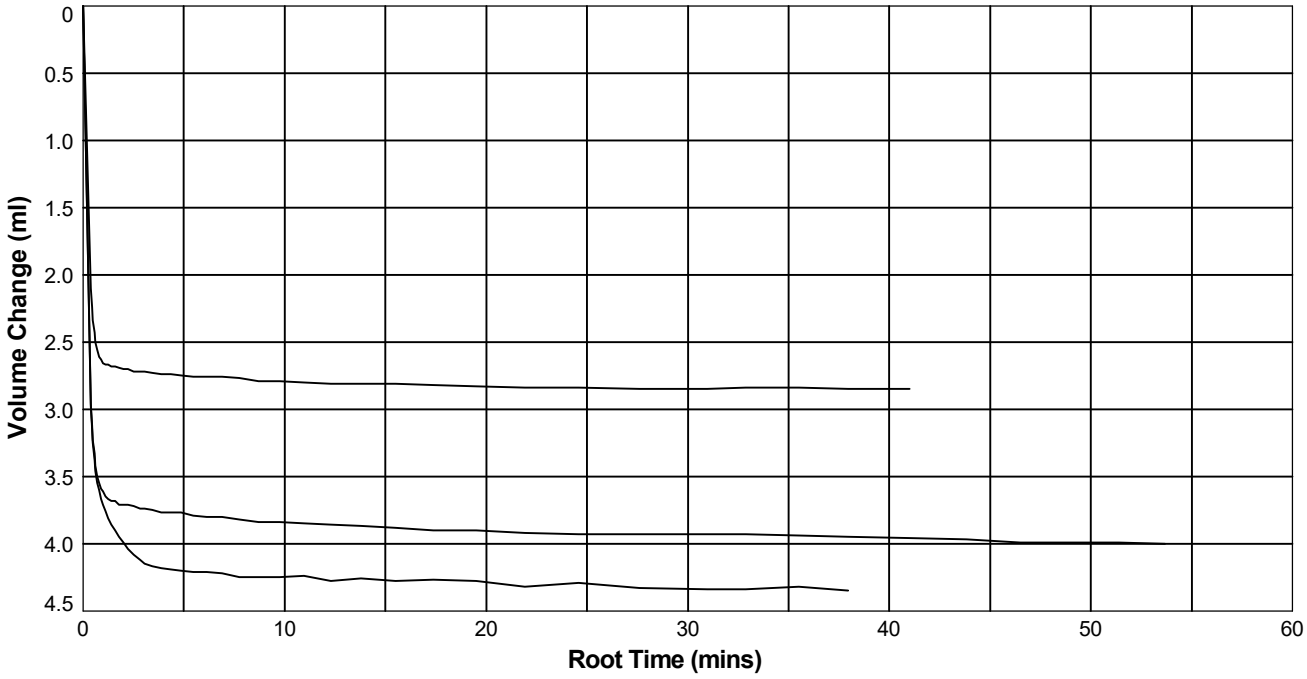
Borehole : **DCBH2019_7** Sample Ref : **36** Sample Type : **C** Depth (m) : **64.20**

CONSOLIDATION STAGE



Key: Base:

CONSOLIDATION STAGE



STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date
	[redacted]	FRANCESCA BENNETT	29/05/20
	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**	

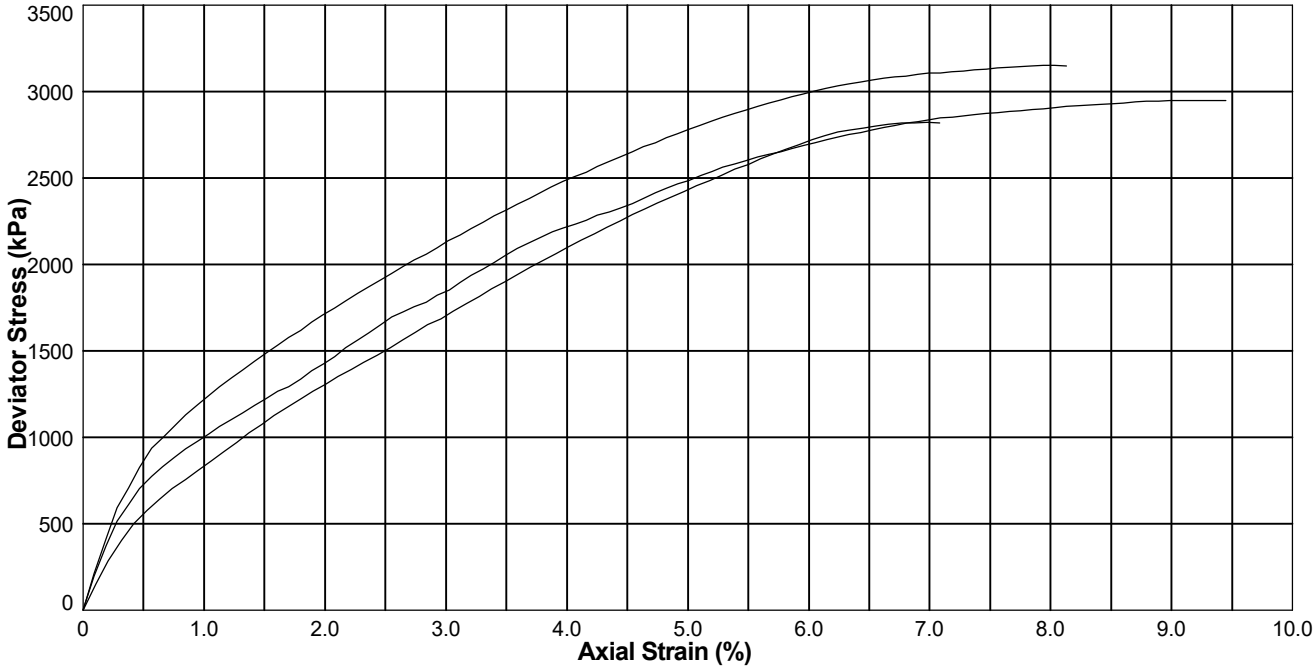
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ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

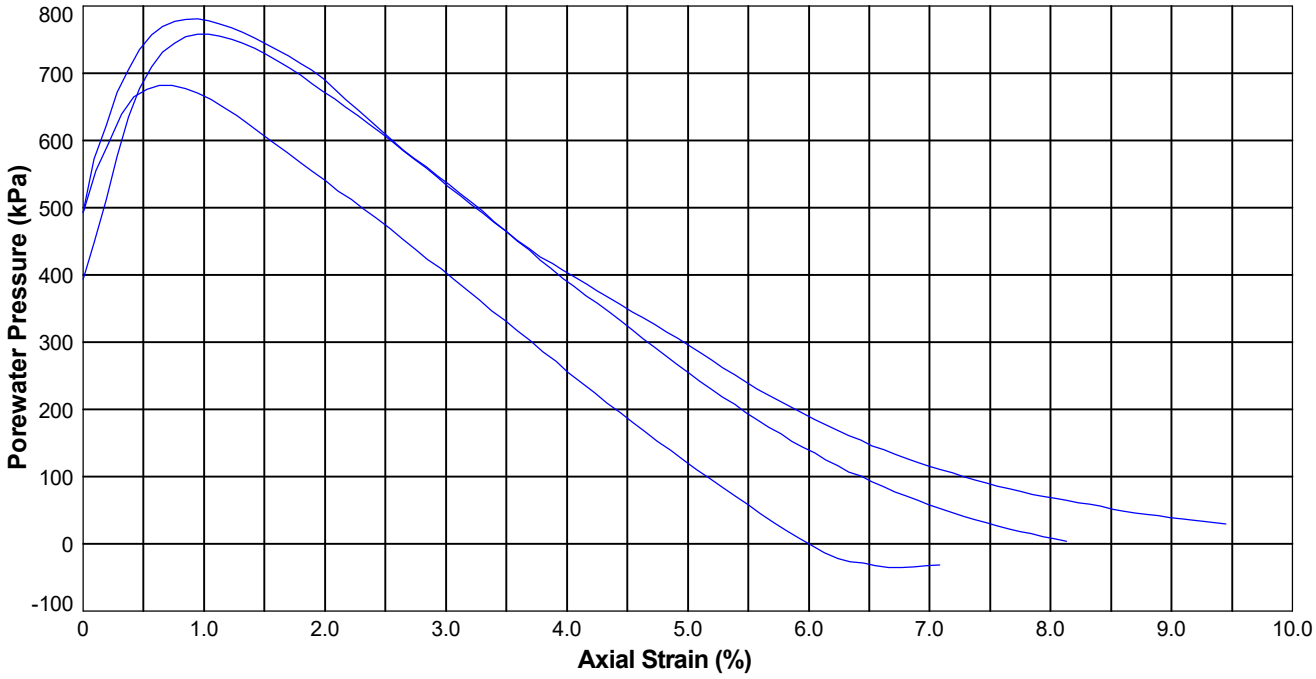
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **36** Sample Type : **C** Depth (m) : **64.20**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	[redacted] mpiled By	Date
	FRANCESCA BENNETT	29/05/20
	Sizewell C Onshore GI Phase 2 2019	Contract Ref: **734318**

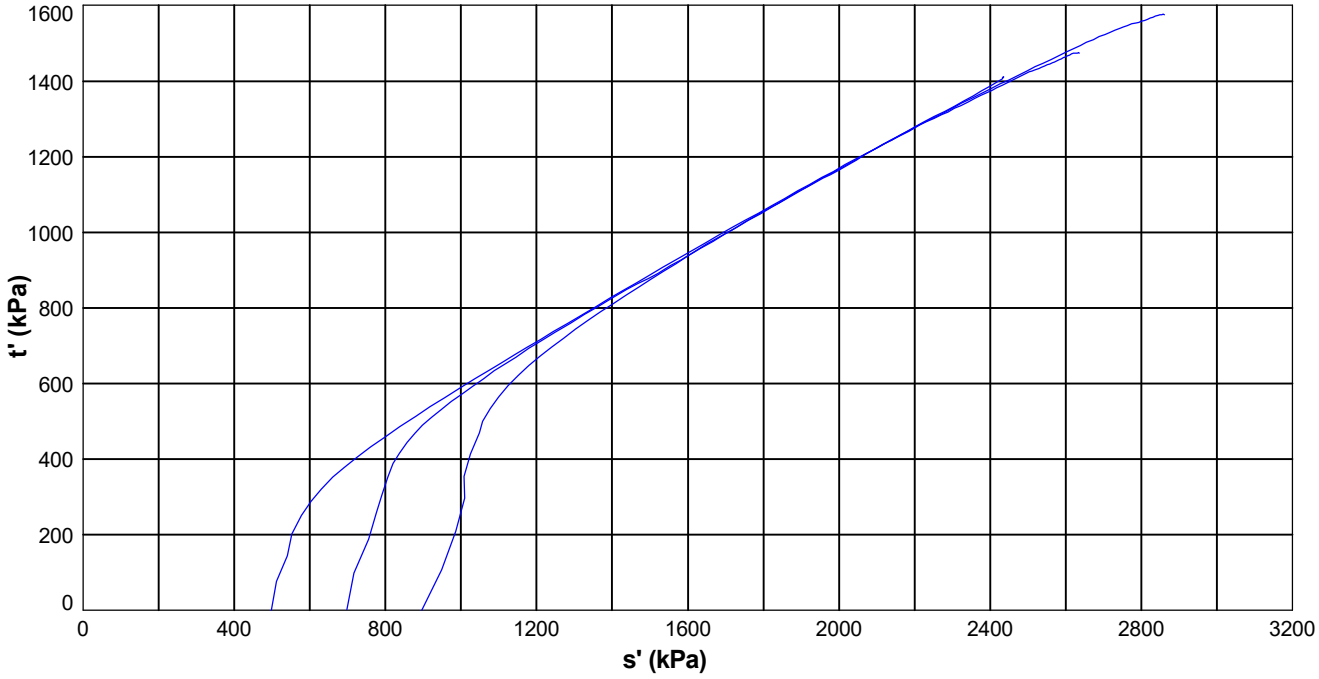
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Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 29/05/20 - 09:06 | AF3 |

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION TEST WITH POREWATER PRESSURE MEASUREMENT

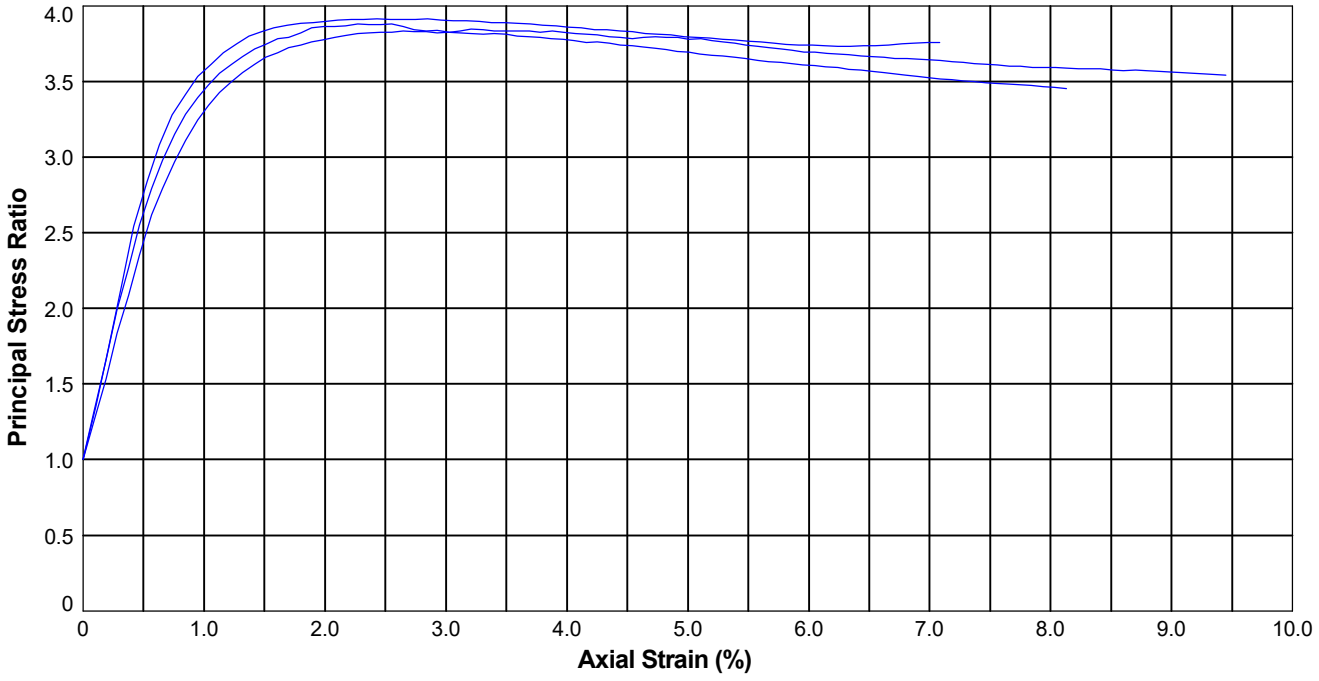
In accordance with BS EN ISO 17892 Part 9

Borehole : **DCBH2019_7** Sample Ref : **36** Sample Type : **C** Depth (m) : **64.20**

SHEAR STAGE



SHEAR STAGE



Key: Base:

STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By: [redacted] FRANCESCA BENNETT

Date: 29/05/20

Sizewell C Onshore GI Phase 2 2019

Contract Ref: **734318**

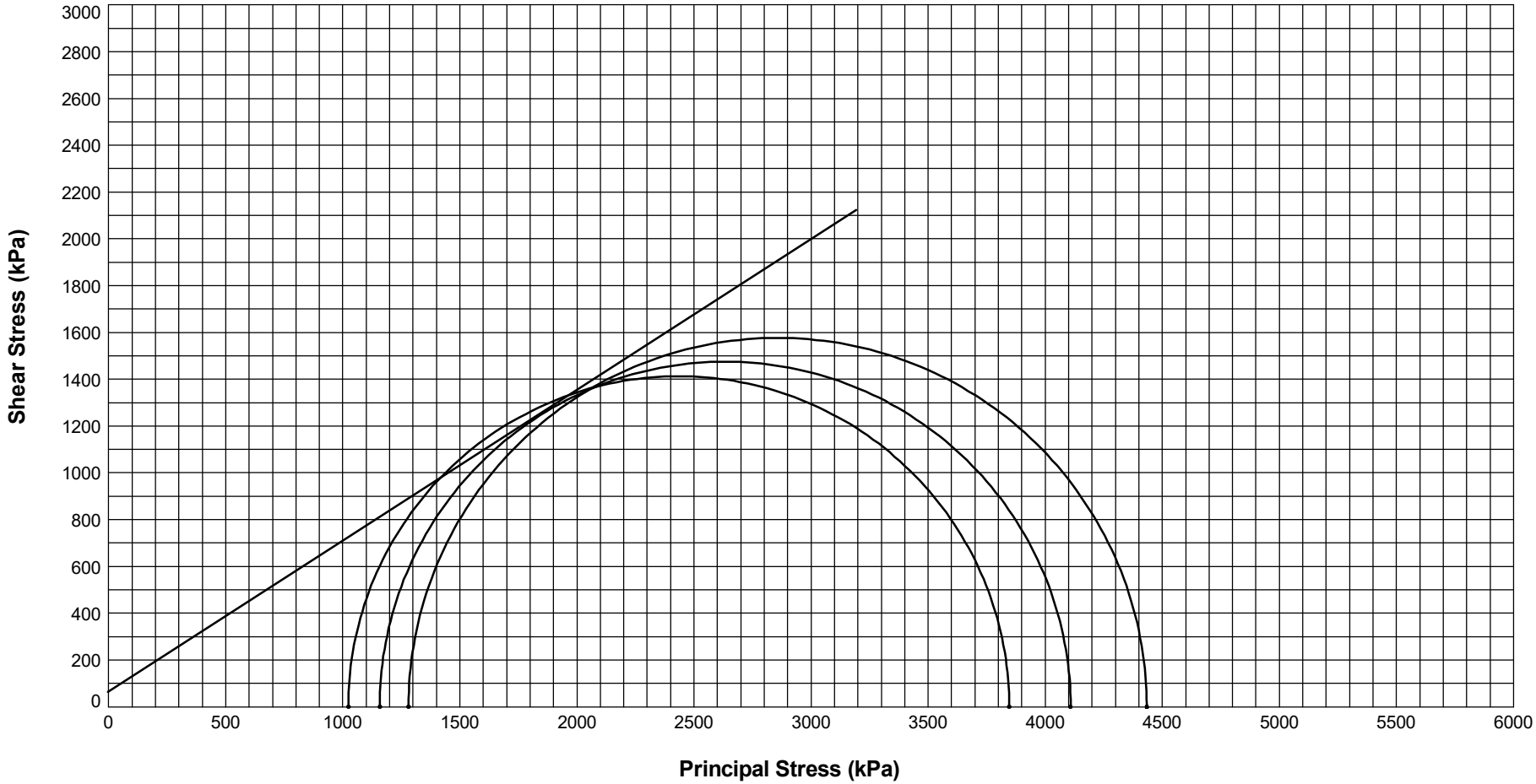
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GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - EFFECTIVE STRESS 17892 - P5.1 - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 29/05/20 - 09:08 | AF3 |

CONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION - MOHR CIRCLES

In accordance with BS EN ISO 17892 Part 9

Hole ID : **DCBH2019_7** Sample Ref : **36** Sample Type : **C** Depth (m) : **64.20**



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By	Date	Contract Ref:
FRANCESCA BENNETT	29.05.20	734318

Contract [redacted]

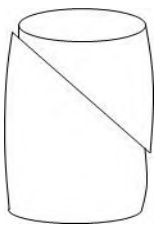
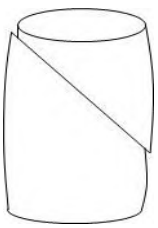
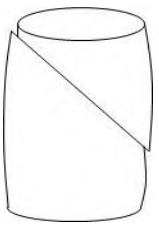
Sizewell C Onshore GI Phase 2 2019

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph L - EFFECTIVE STRESS 17892 MOHR - A4L | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 29/05/20 - 08:53 | AF3 |

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

[redacted]

		Specimen No. 1	Specimen No. 2	Specimen No. 3
SPECIMEN DETAILS				
[redacted]		[redacted]		
[redacted]		[redacted]		
TEST DETAILS				
[redacted]		[redacted]		
[redacted]		[redacted]		
[redacted]		**Specimen No. 1**	**Specimen No. 2**	**Specimen No. 3**
[redacted]	*mm*	[redacted]	[redacted]	[redacted]
[redacted]	*mm*	[redacted]	[redacted]	[redacted]
[redacted]	*%*	[redacted]	[redacted]	[redacted]
[redacted]	*Mg/m³*	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]		
SATURATION STAGE		[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]
[redacted]	*day(s)*	[redacted]	[redacted]	[redacted]
CONSOLIDATION STAGE				
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*%*	[redacted]	[redacted]	[redacted]
[redacted]	*day(s)*	[redacted]	[redacted]	[redacted]
SHEARING STAGE				
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*mm/min*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
CONDITIONS AT FAILURE	*criteria*	[redacted]		
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]
[redacted]	*%*	[redacted]	[redacted]	[redacted]
Membrane & filter correction applied to Deviator Stress	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*day(s)*	[redacted]	[redacted]	[redacted]
[redacted]	*%*	[redacted]	[redacted]	[redacted]
[redacted]	*Mg/m³*	[redacted]	[redacted]	[redacted]
EFFECTIVE STRESS PARAMETERS				
[redacted]	*kPa*	[redacted]		
[redacted]	*degrees*	[redacted]		
FAILURE SKETCH				

[redacted]

GEO / 30788

[redacted]

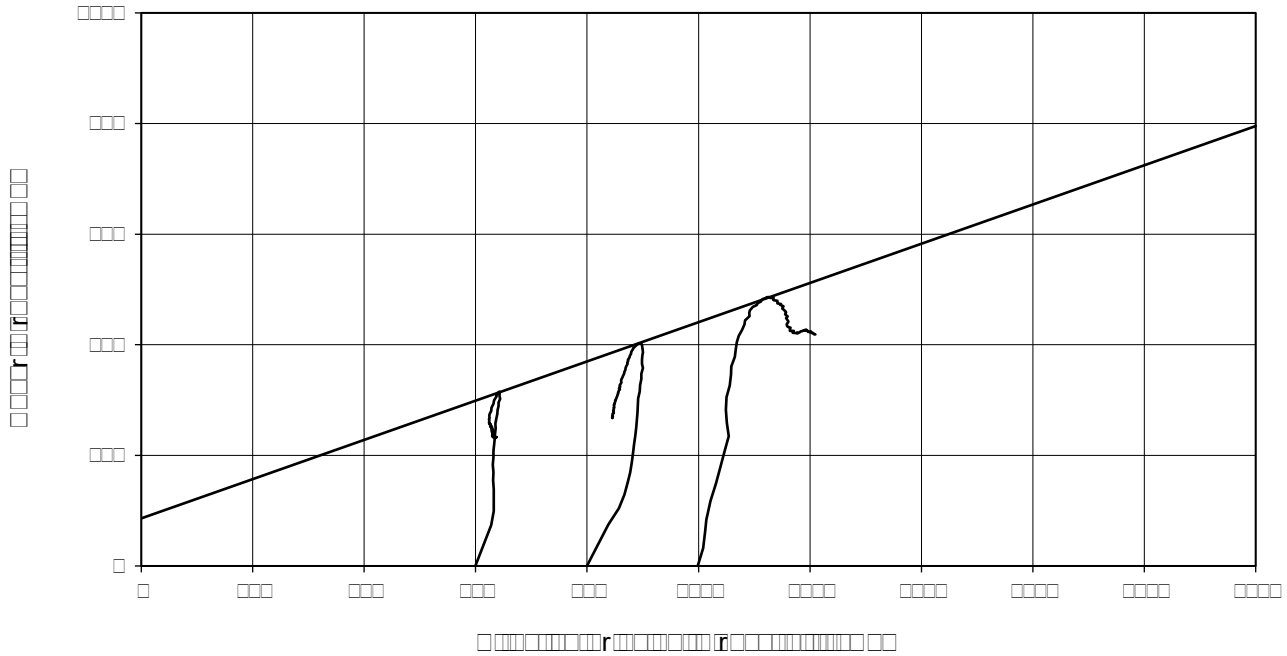
SIZEWELL C GI PHASE 2 TO1
734318

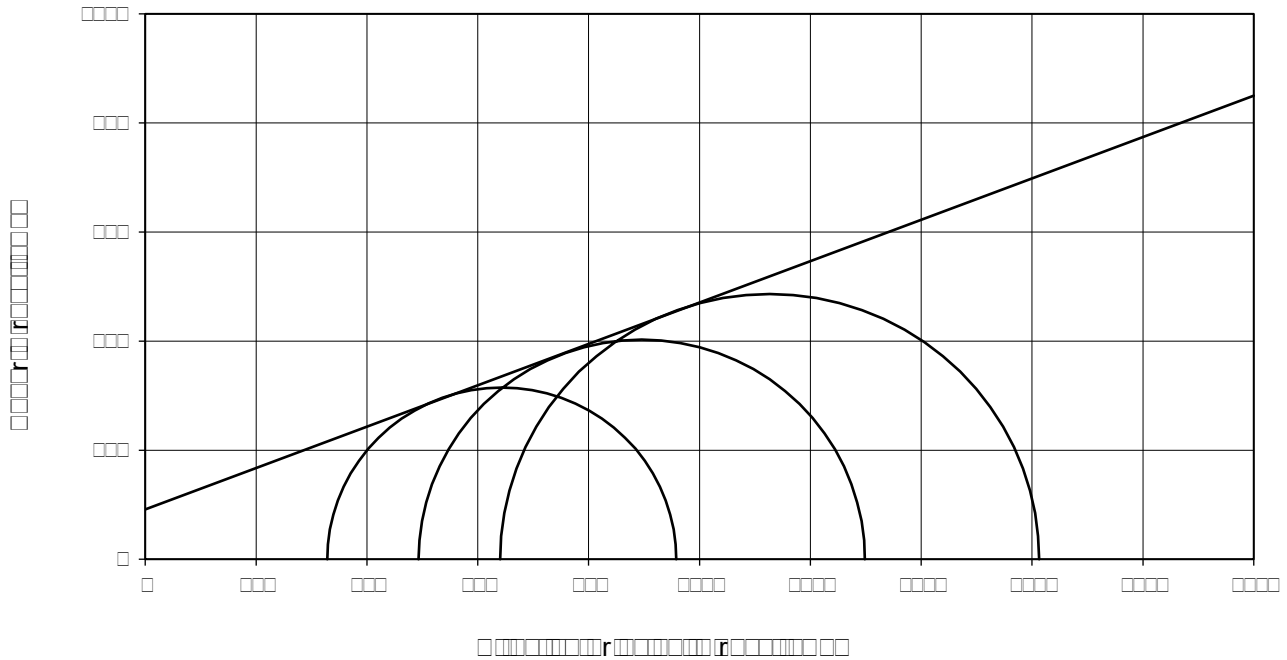
GEOLABS

UKAS TESTING 1982

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Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure





GEO / 30788

SIZEWELL C GI PHASE 2 TO1

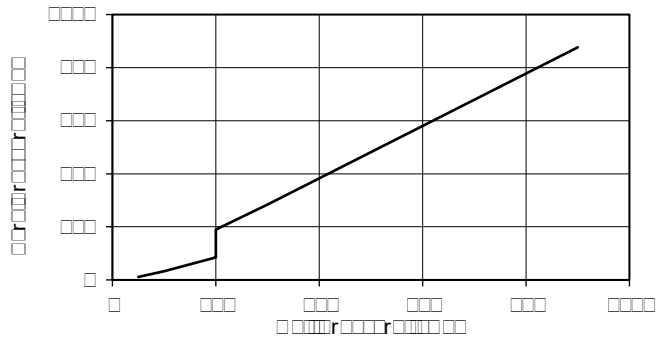
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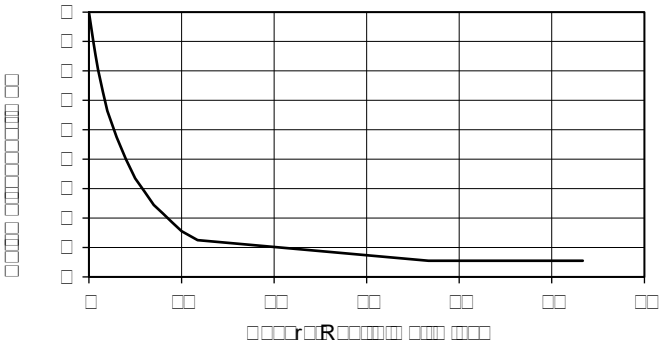
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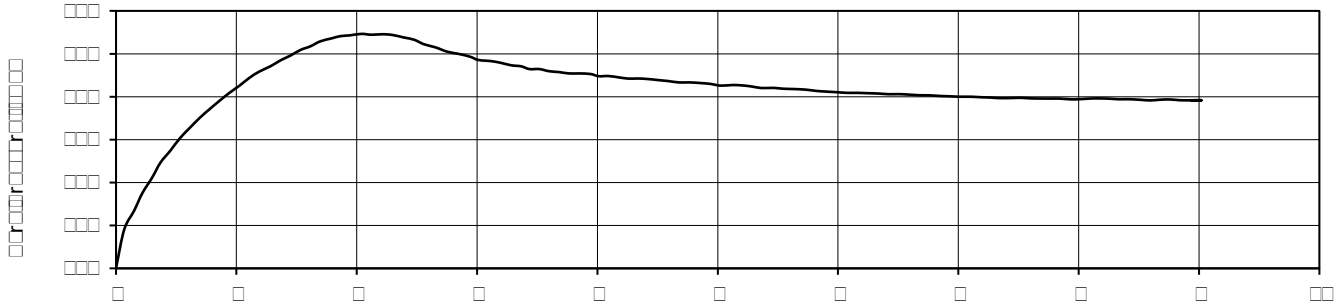
UKAS TESTING 1982

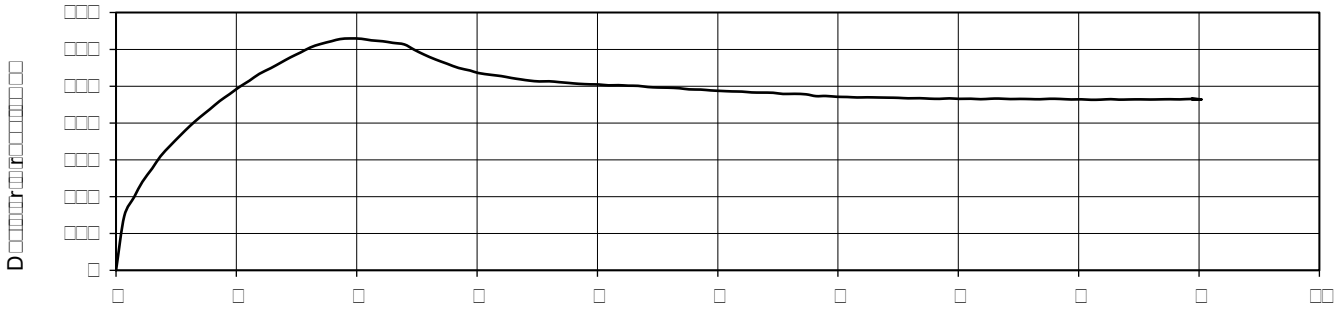
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

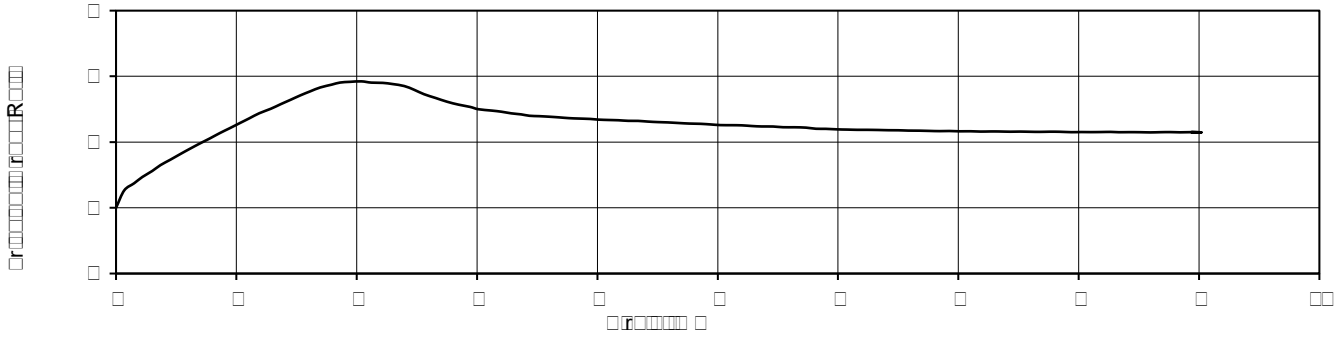
Specimen 1











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SIZEWELL C GI PHASE 2 TO1

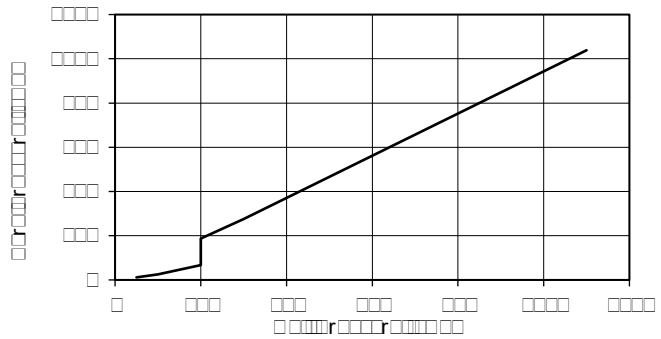
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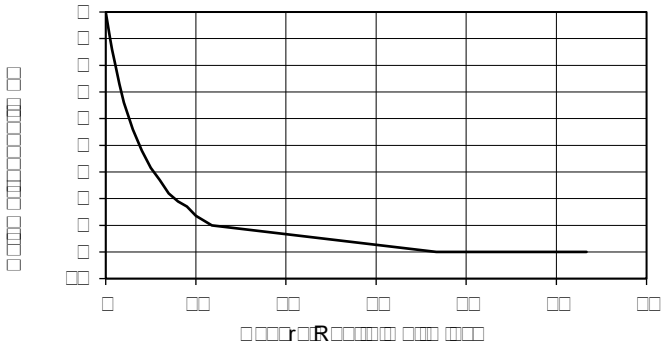
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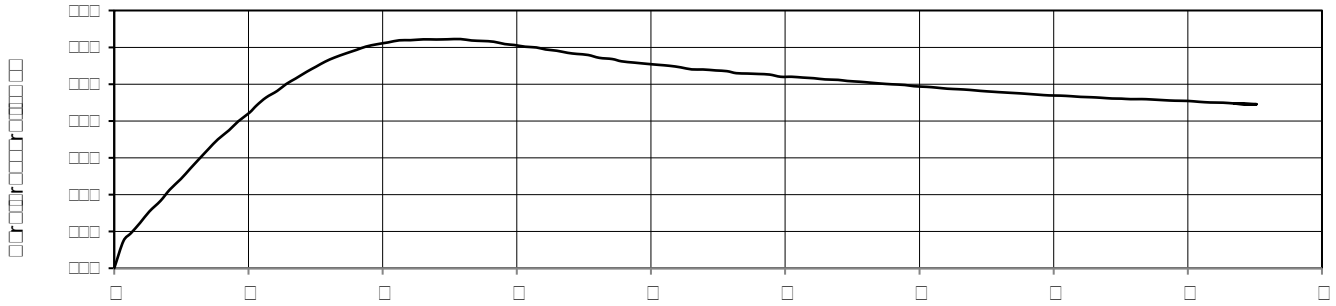
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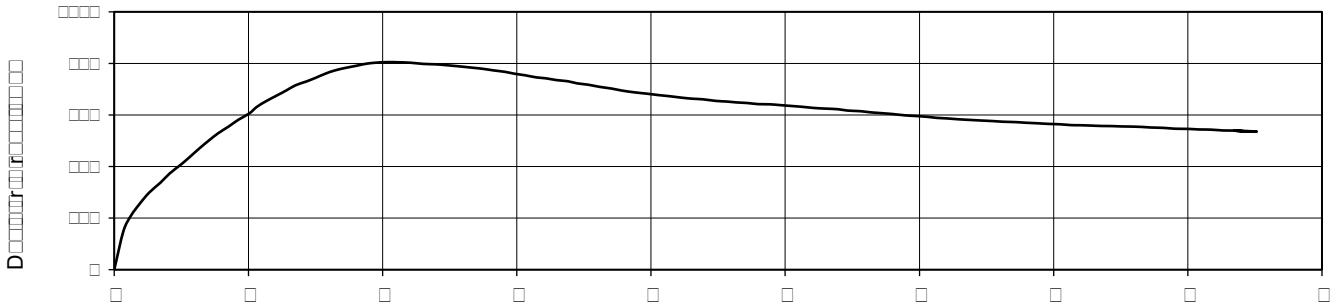
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

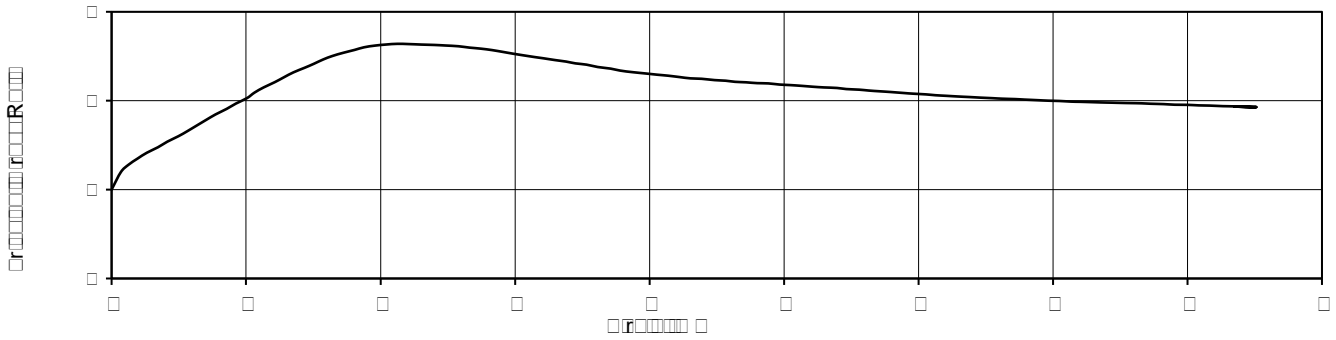
Specimen 2











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SIZEWELL C GI PHASE 2 TO1

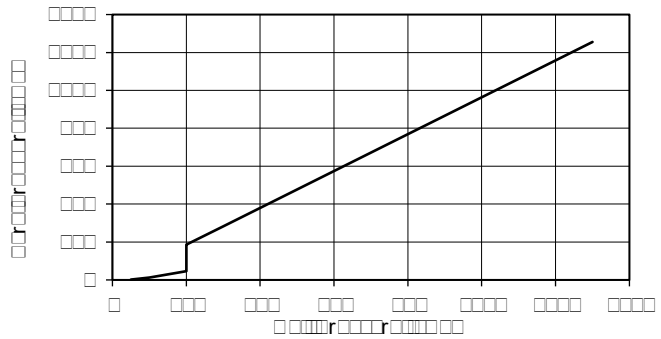
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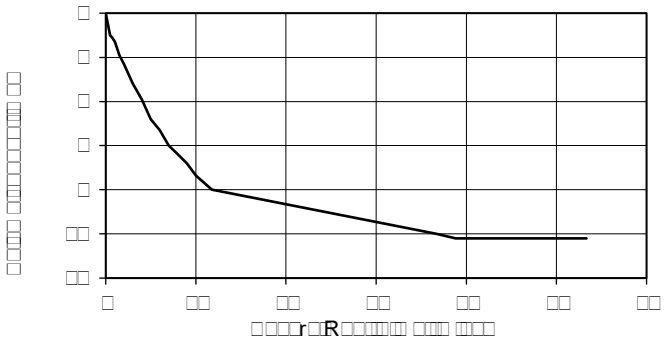
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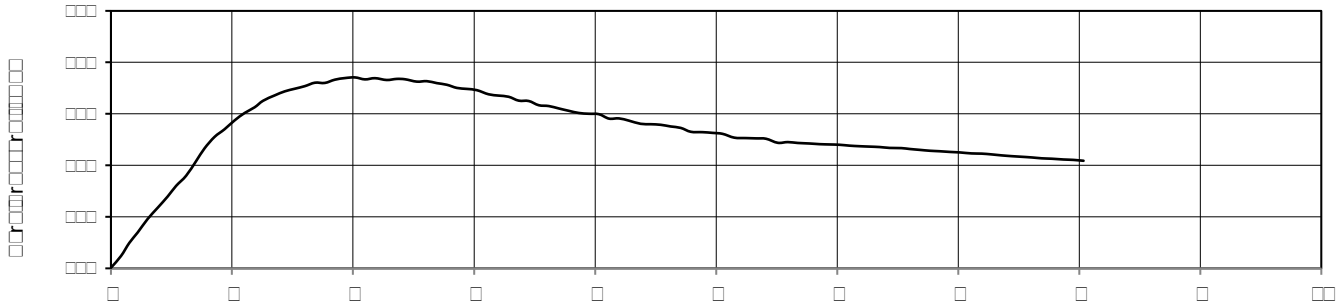
UKAS TESTING 1982

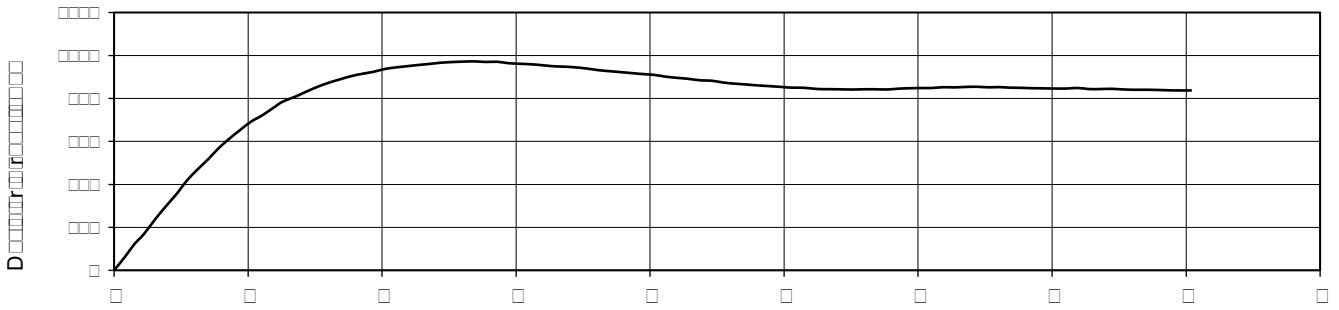
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

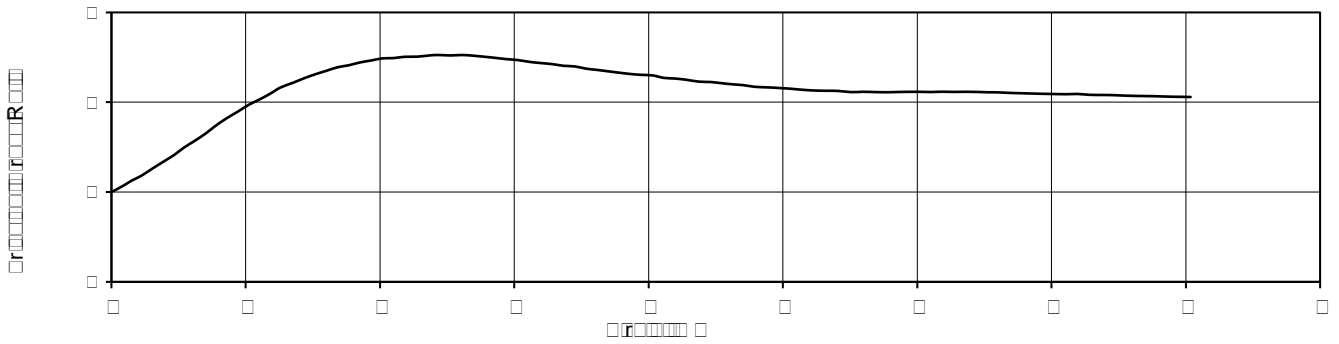
Specimen 3











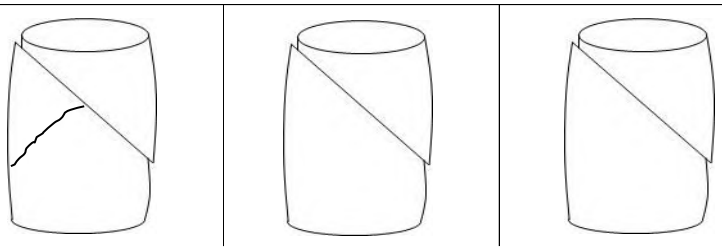
GEO / 30788

SIZEWELL C GI PHASE 2 TO1

734318

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

SPECIMEN DETAILS			
TEST DETAILS			
		Specimen No. 1	**Specimen No. 2**	**Specimen No. 3**
	mm			
	mm			
	%			
	Mg/m³			
SATURATION STAGE				
	kPa			
	kPa			
	day(s)			
CONSOLIDATION STAGE				
	kPa			
	kPa			
	kPa			
	kPa			
	%			
	day(s)			
SHEARING STAGE				
	kPa			
	mm/min			
	kPa			
	kPa			
CONDITIONS AT FAILURE	*criteria*			
	kPa			
	kPa			
	kPa			
	kPa			
	%			
Membrane & filter correction applied to Deviator Stress	*kPa*			
	day(s)			
	%			
	Mg/m³			
EFFECTIVE STRESS PARAMETERS				
	kPa			
	degrees			
FAILURE SKETCH				



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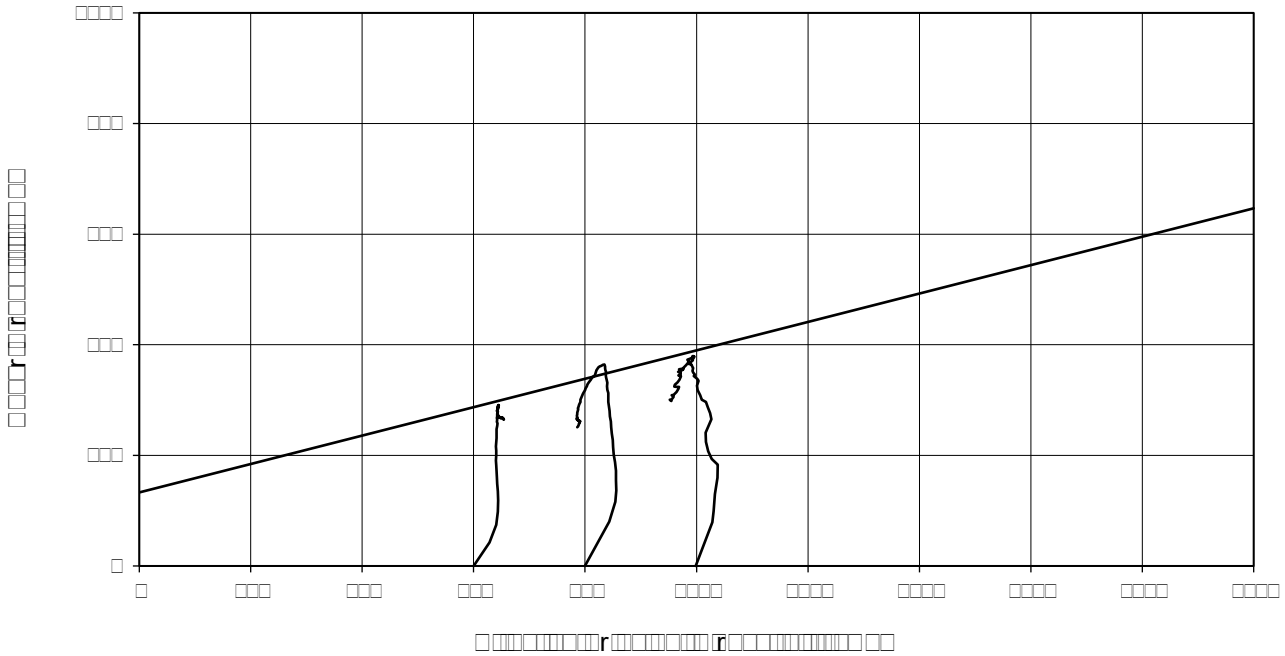
SIZEWELL C GI PHASE 2 TO1

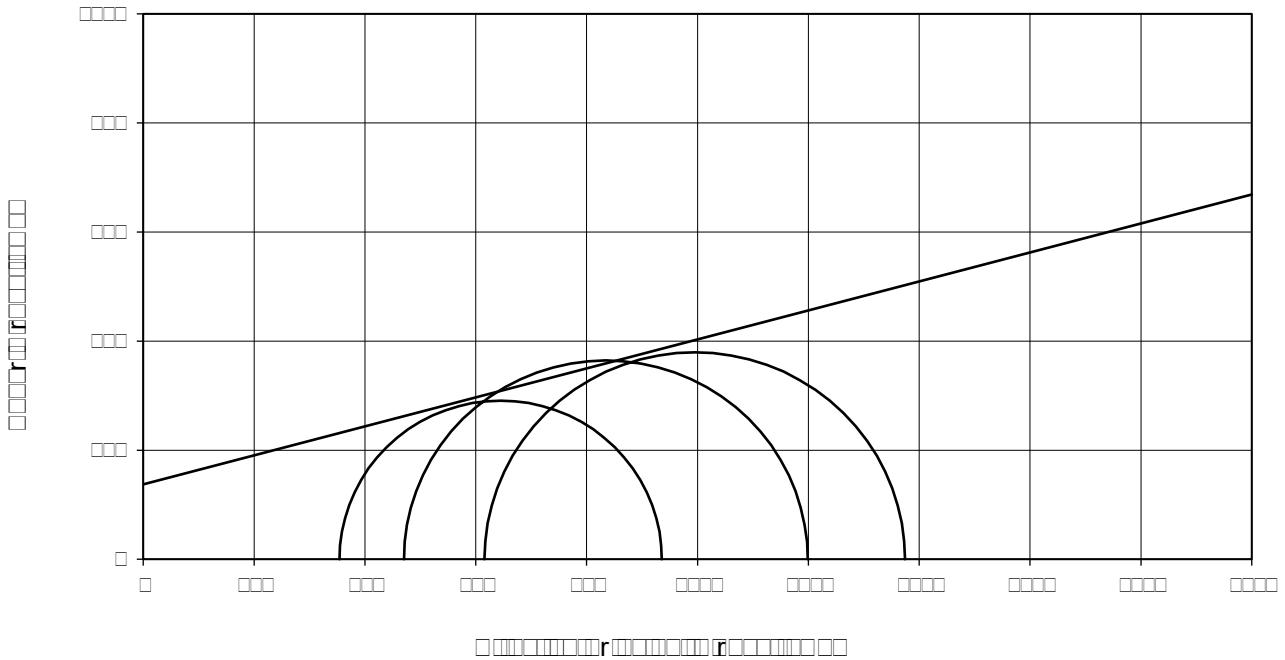
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GEOLABS

UKAS TESTING 1982

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure





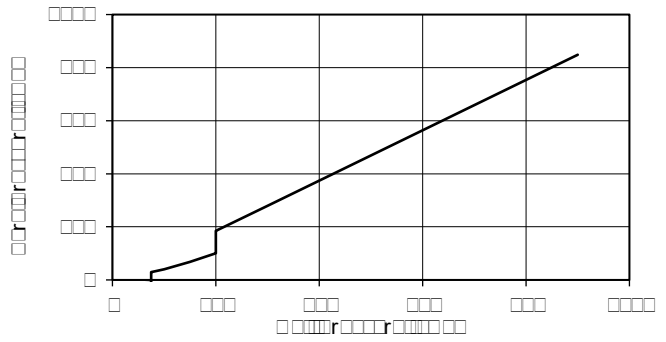
GEO / 30788

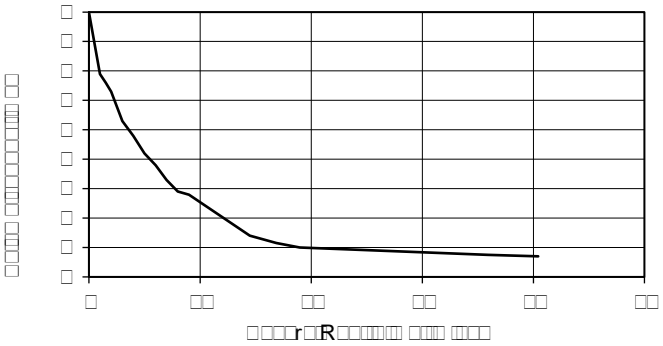
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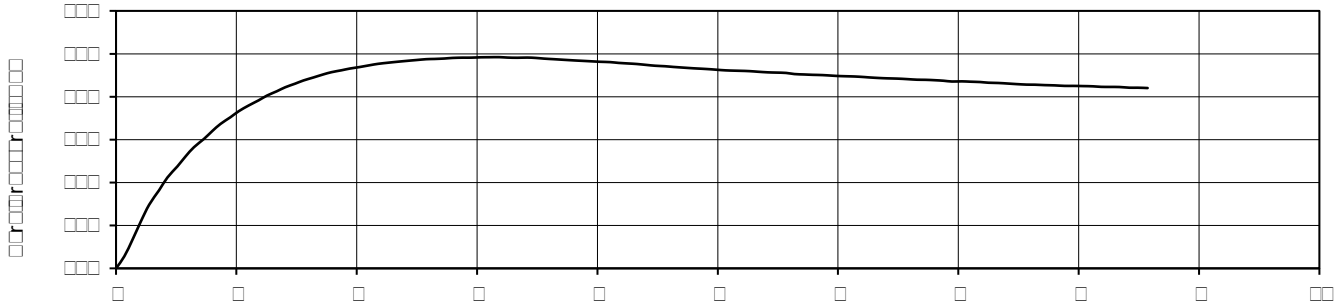
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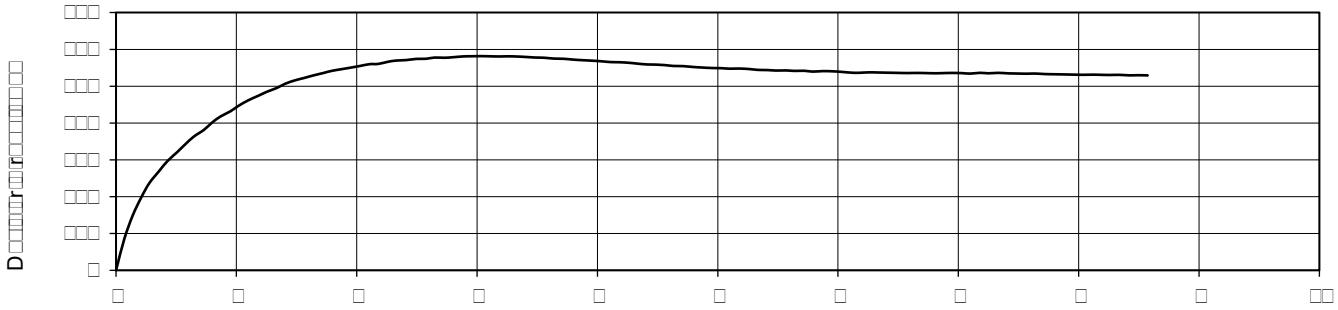
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

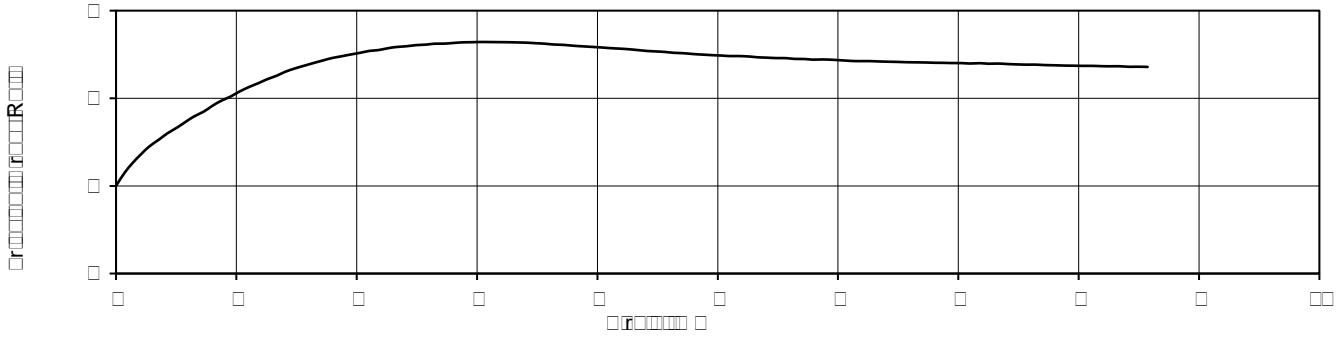
Specimen 1











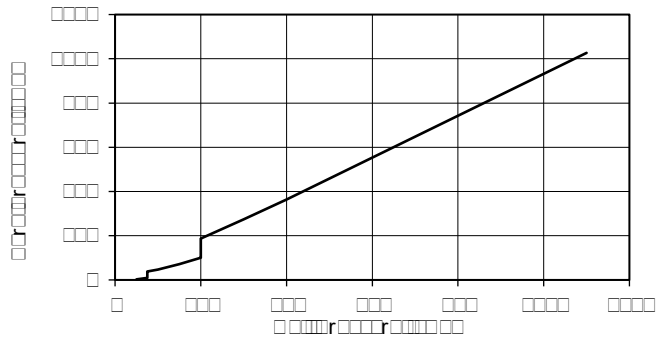
GEO / 30788

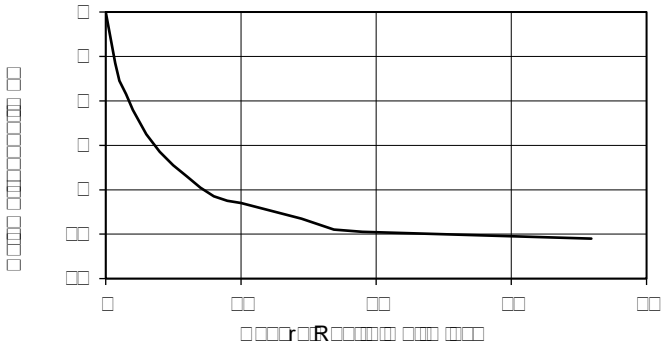
SIZEWELL C GI PHASE 2 TO1

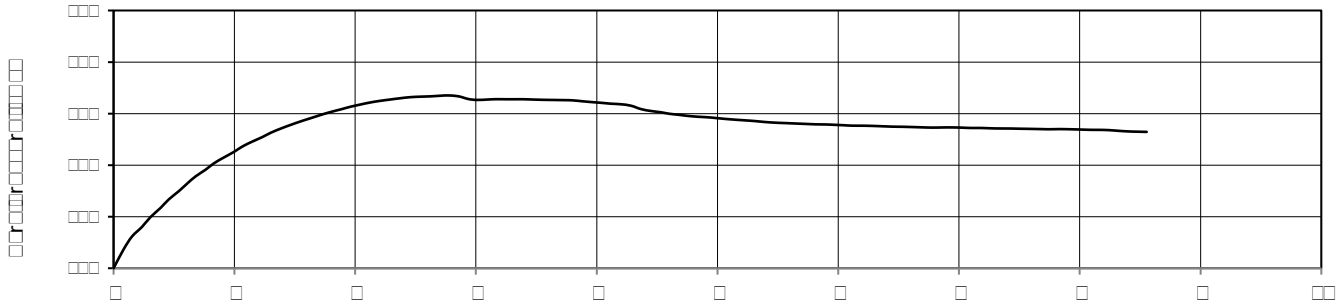
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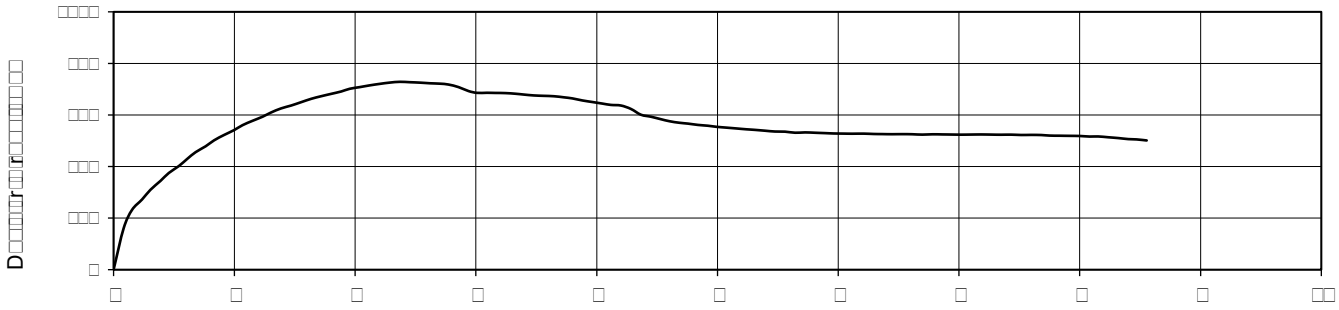
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

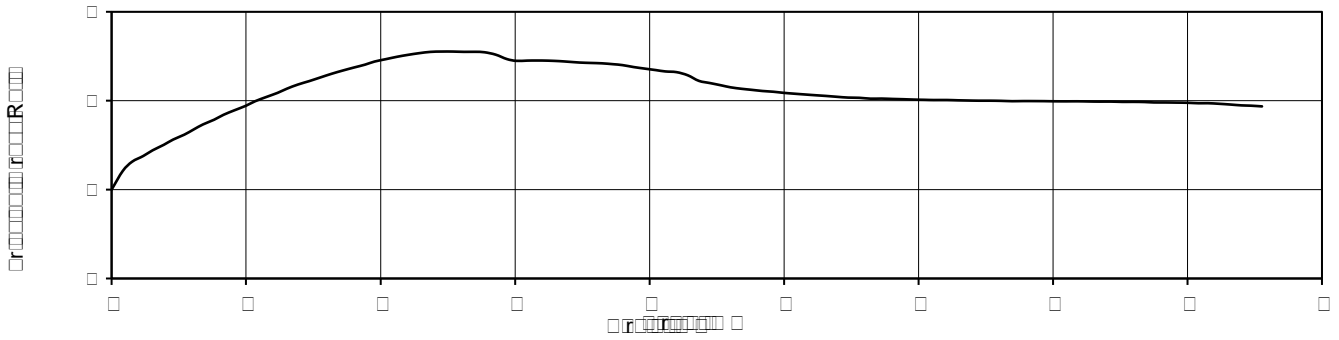
Specimen 2











GEO / 30788

SIZEWELL C GI PHASE 2 TO1

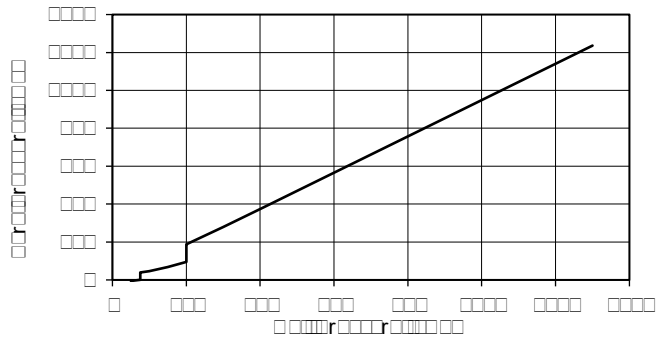
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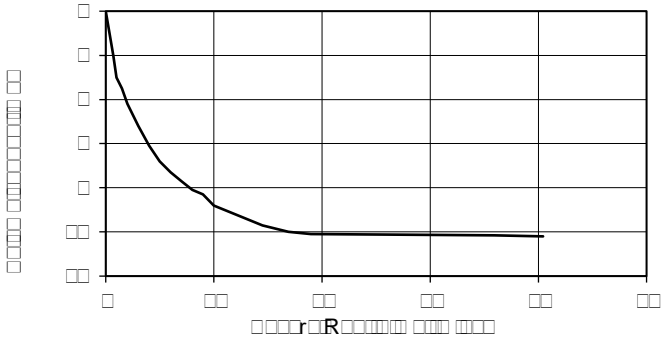
GEOLABS

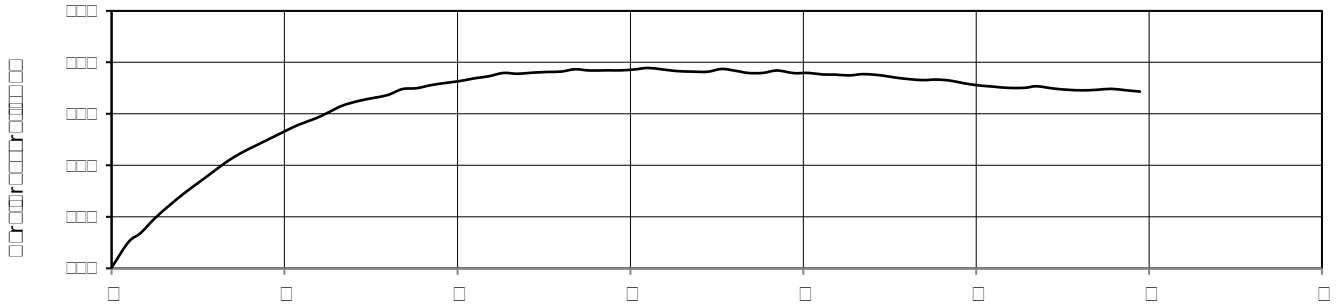
UKAS TESTING 1982

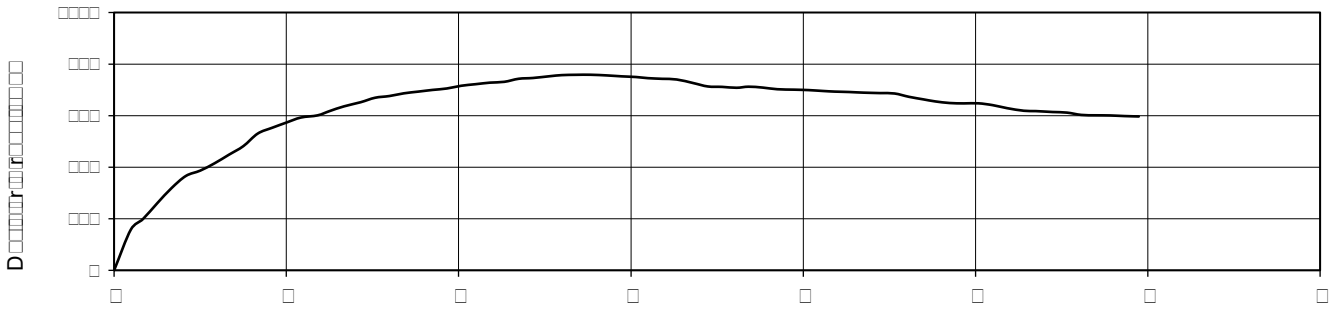
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

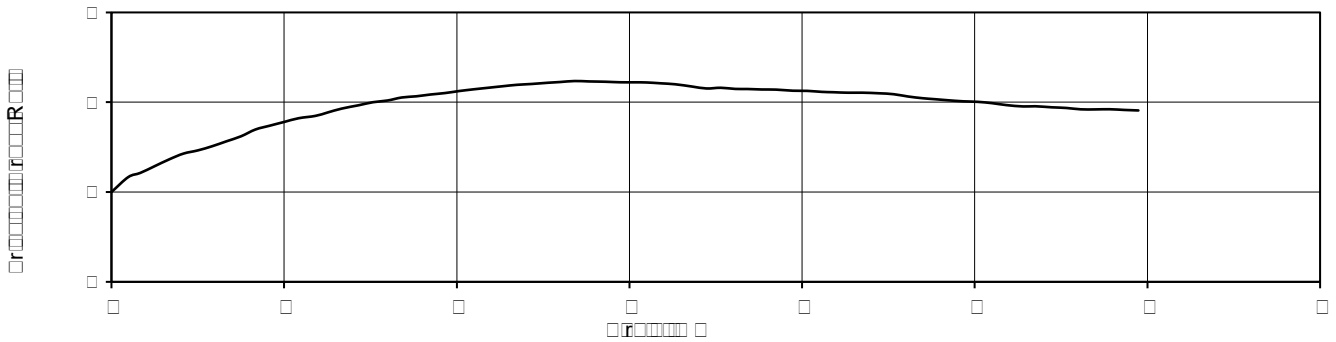
Specimen 3











GEO / 30788

SIZEWELL C GI PHASE 2 TO1

734318

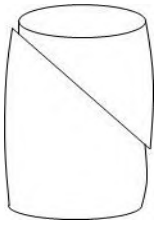
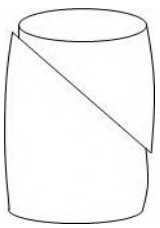
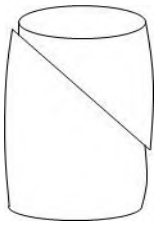
GEOLABS

UKAS TESTING 1982

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

[redacted]

		Specimen No. 1	Specimen No. 2	Specimen No. 3
SPECIMEN DETAILS				
[redacted]		[redacted]		
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TEST DETAILS				
[redacted]		[redacted]		
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[redacted]		**Specimen No. 1**	**Specimen No. 2**	**Specimen No. 3**
[redacted]	*mm*	[redacted]	[redacted]	[redacted]
[redacted]	*mm*	[redacted]	[redacted]	[redacted]
[redacted]	*%*	[redacted]	[redacted]	[redacted]
[redacted]	*Mg/m³*	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]		
SATURATION STAGE		[redacted]	[redacted]	[redacted]
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
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[redacted]		[redacted]	[redacted]	[redacted]
[redacted]	*day(s)*	[redacted]	[redacted]	[redacted]
CONSOLIDATION STAGE				
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[redacted]	*day(s)*	[redacted]	[redacted]	[redacted]
SHEARING STAGE				
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[redacted]	*mm/min*	[redacted]	[redacted]	[redacted]
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CONDITIONS AT FAILURE	*criteria*	[redacted]		
[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
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[redacted]	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]
[redacted]	*%*	[redacted]	[redacted]	[redacted]
Membrane & filter correction applied to Deviator Stress	*kPa*	[redacted]	[redacted]	[redacted]
[redacted]	*day(s)*	[redacted]	[redacted]	[redacted]
[redacted]	*%*	[redacted]	[redacted]	[redacted]
[redacted]	*Mg/m³*	[redacted]	[redacted]	[redacted]
EFFECTIVE STRESS PARAMETERS				
[redacted]	*kPa*	[redacted]		
[redacted]	*degrees*	[redacted]		
FAILURE SKETCH				

[redacted]

GEO / 30691

[redacted]

SIZEWELL C GI PHASE 2 TO1

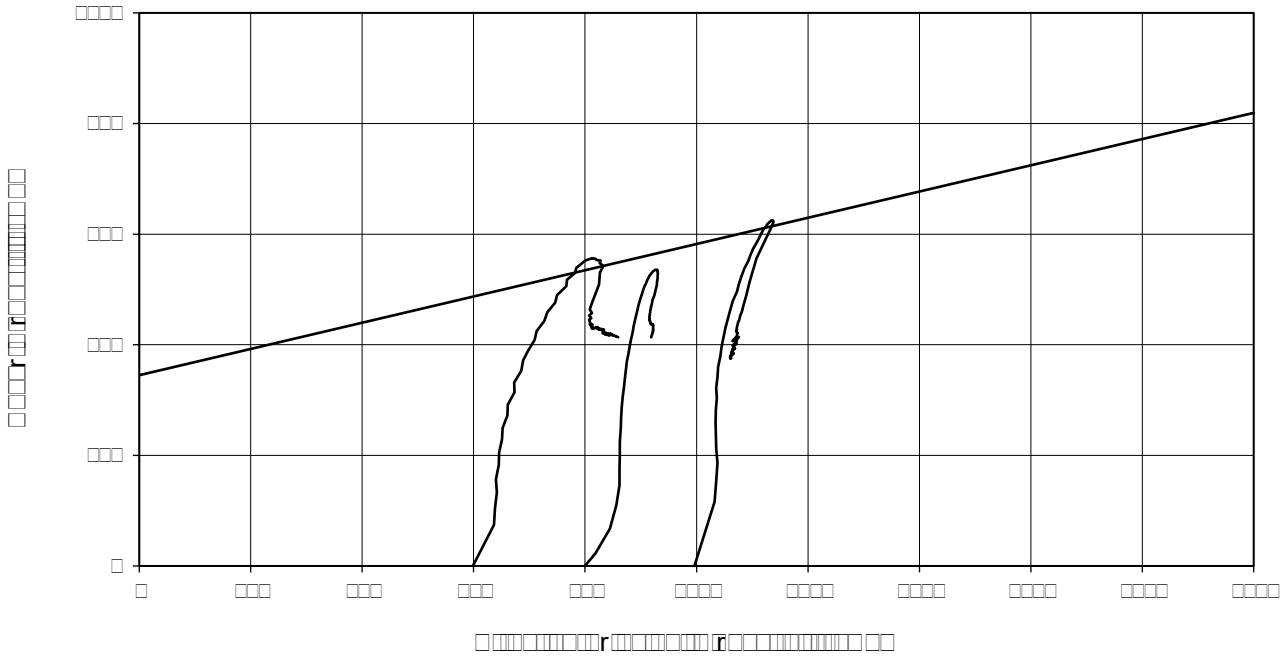
734318

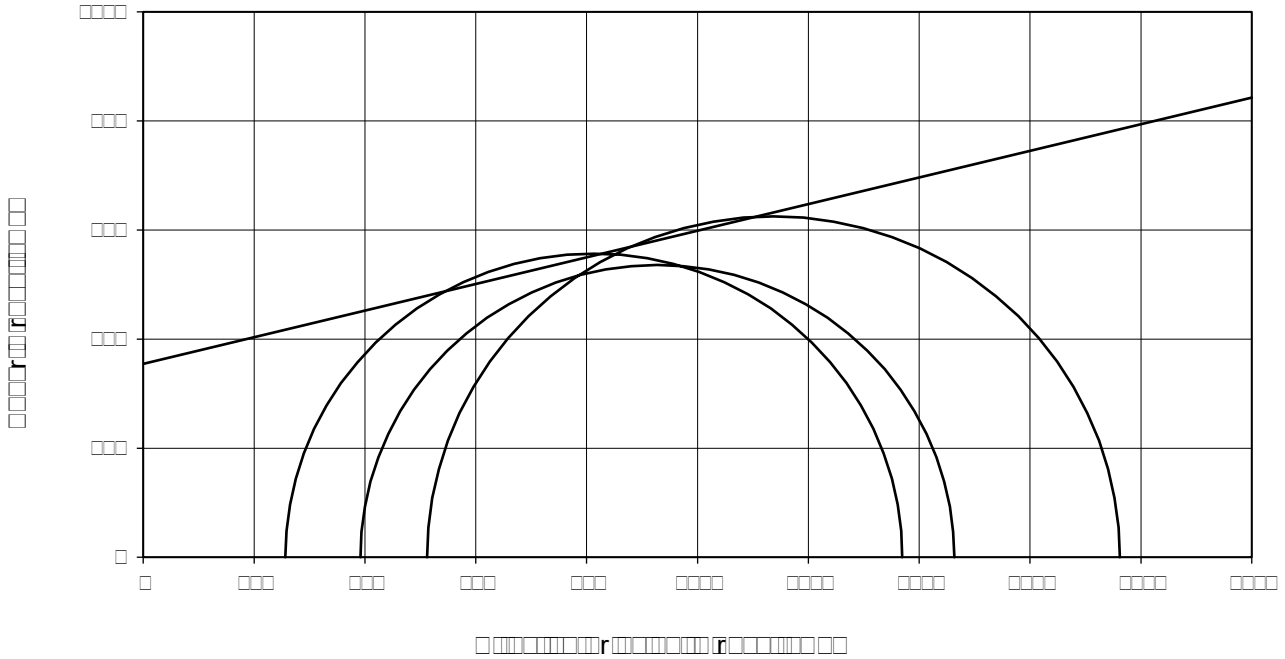
GEOLABS

UKAS TESTING 1982

[redacted]

Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure





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SIZEWELL C GI PHASE 2 TO1

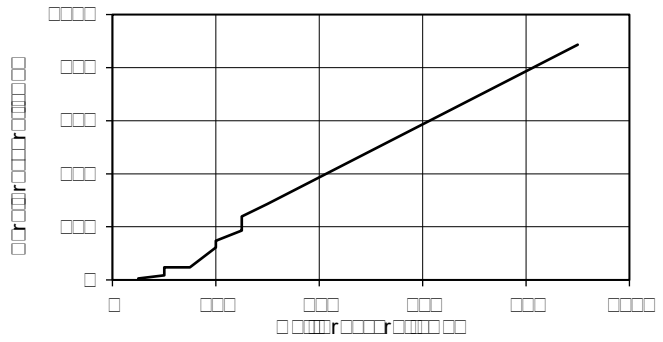
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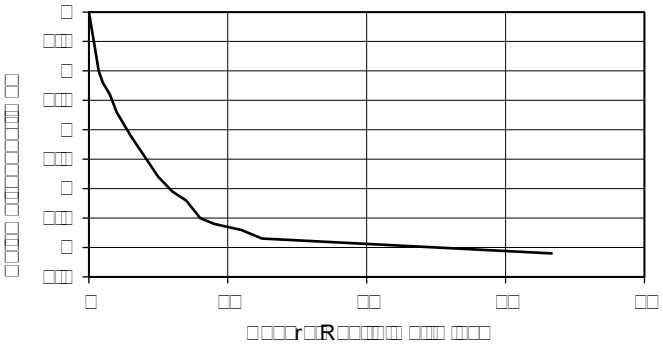
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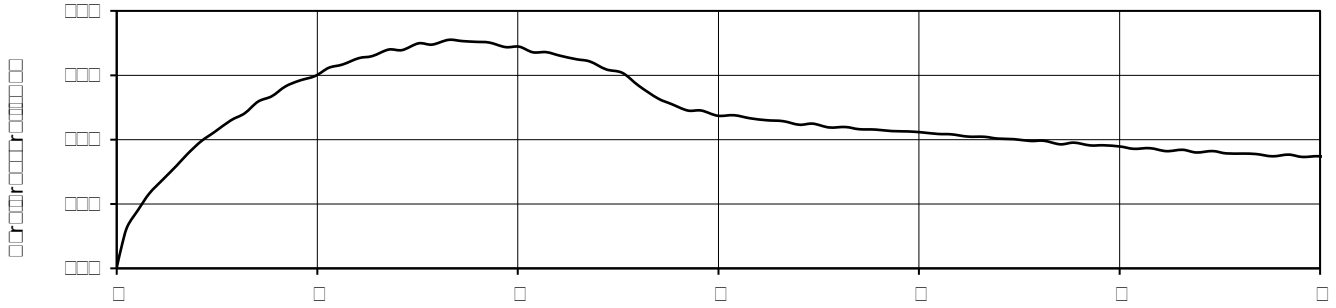
UKAS TESTING 1982

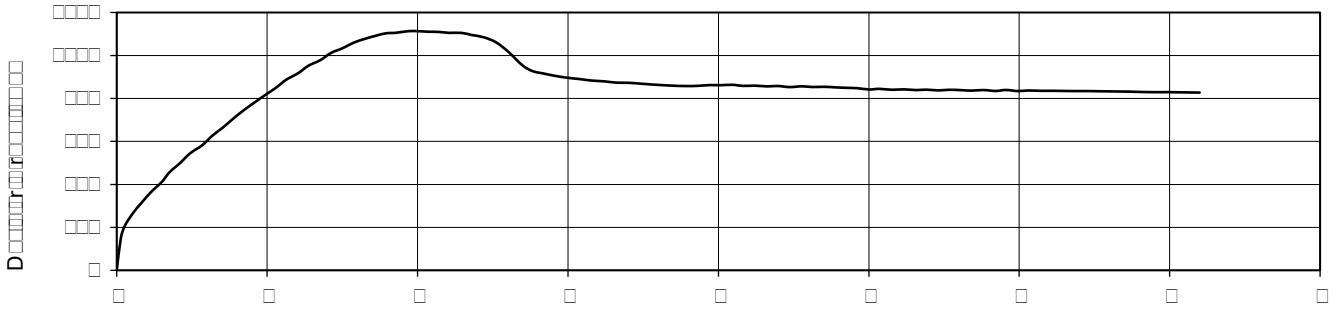
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

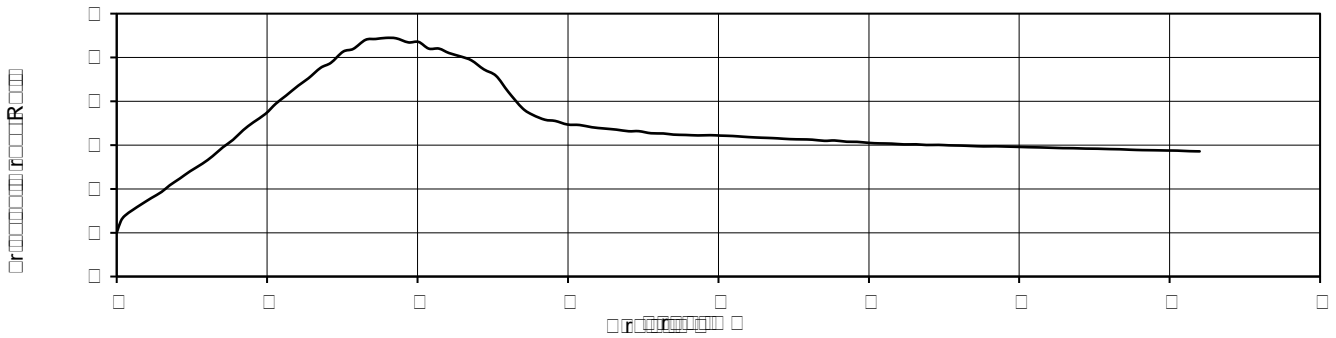
Specimen 1











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SIZEWELL C GI PHASE 2 TO1

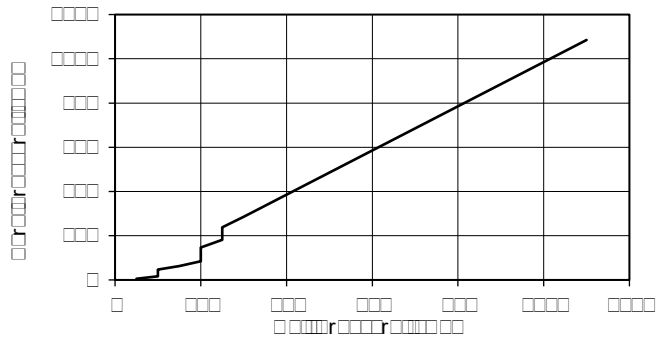
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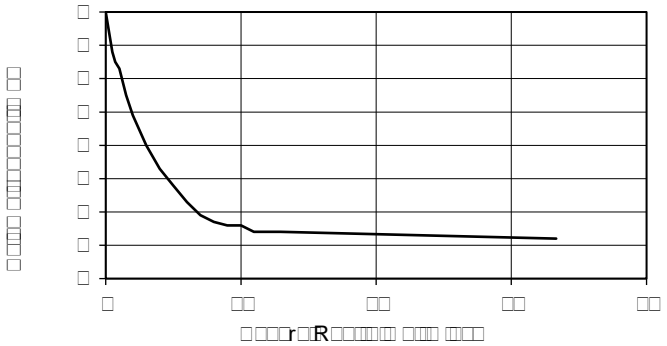
GEOLABS

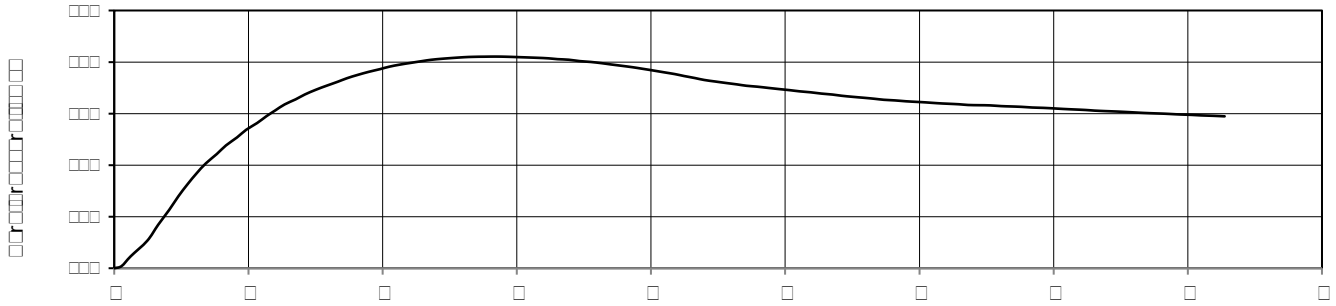
UKAS TESTING 1982

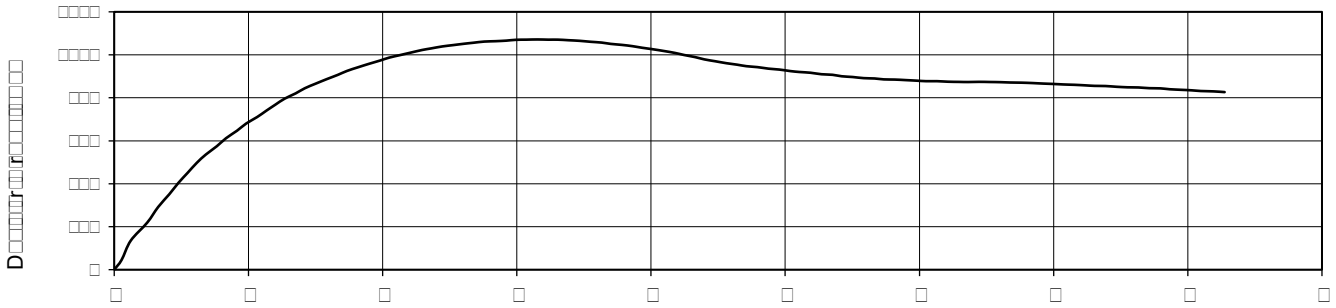
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

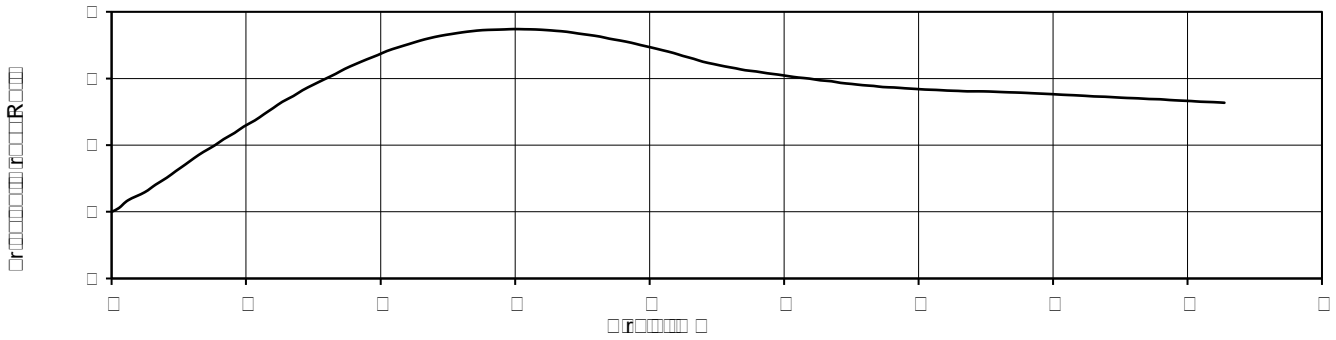
Specimen 2











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SIZEWELL C GI PHASE 2 TO1

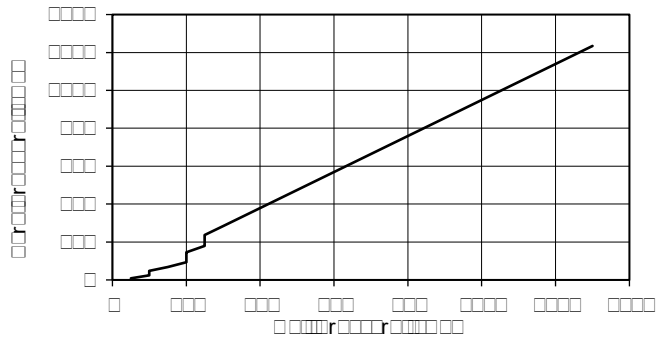
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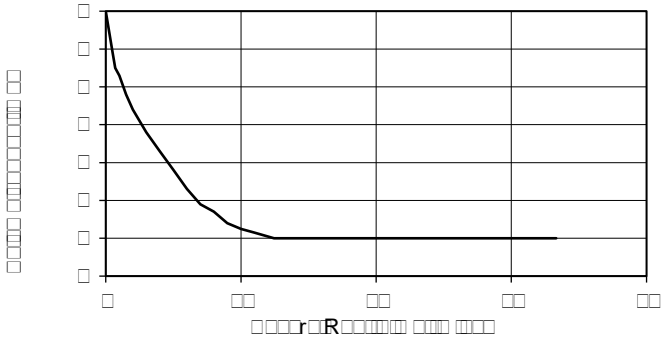
GEOLABS

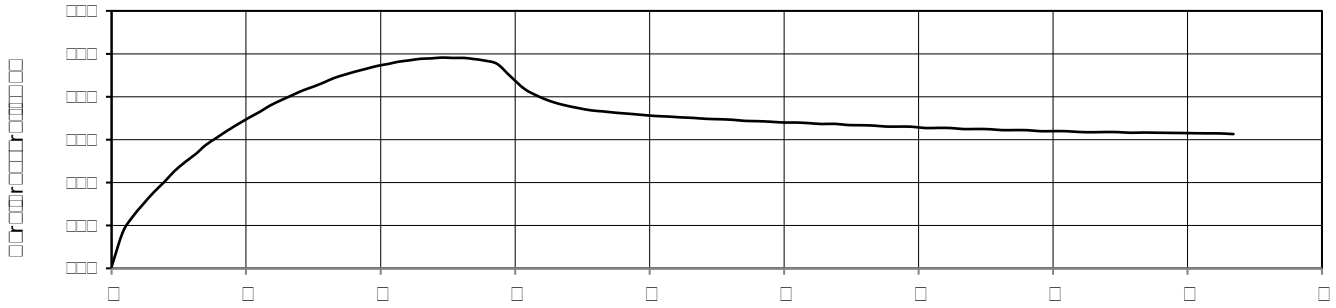
UKAS TESTING 1982

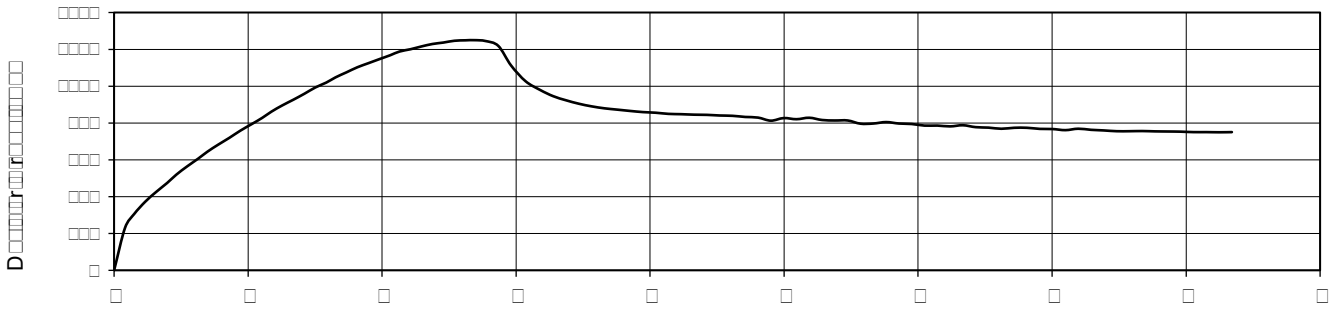
Consolidated Undrained Triaxial Compression Test with Measurement of Pore Pressure

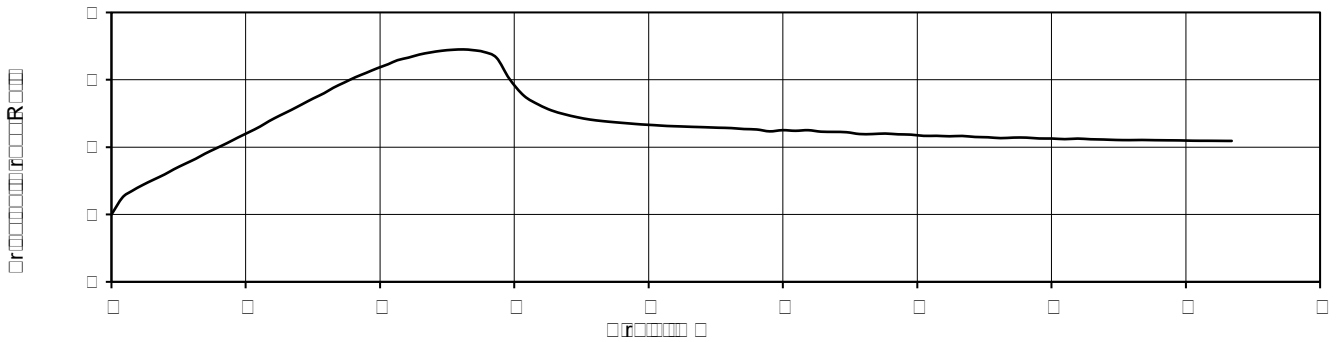
Specimen 3











GEO / 30691

SIZEWELL C GI PHASE 2 TO1

734318

GEOLABS

UKAS TESTING 1982

SUMMARY OF POROSITY TESTS

In accordance with ISRM 1974-2006

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Dry Density kg/m^3	Porosity %	Test Method	Description	Lab location
DCBH2019_2	62	C	82.23	1470	46	Clause 3	White CHALK	**B**
DCBH2019_2	66	C	86.65	1480	46	Clause 3	White CHALK	**B**
DCBH2019_2	74	C	118.30	1550	43	Clause 3	White CHALK	**B**
DCBH2019_3	67	C	83.53	1530	44	Clause 3	White CHALK	**B**
DCBH2019_3	70	C	93.05	1490	46	Clause 3	White CHALK	**B**
DCBH2019_4	7	C	59.58	2630	3.3	Clause 3	Brownish grey SANDSTONE	**B**
DCBH2019_4	10	C	86.79	1540	43	Clause 3	White CHALK	**B**
DCBH2019_4	11	C	91.86	1510	44	Clause 3	White CHALK	**B**
DCBH2019_4	12	C	101.58	1510	45	Clause 3	White CHALK	**B**

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

Key: Clause 3 = Saturation and buoyancy method

STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By: [redacted] **FRANCESCA BENNETT**

Date: **23.04.20**

Contract Ref: **734318**

C [redacted] **ell C Onshore GI Phase 2 2019**

AGS

SUMMARY OF POROSITY TESTS

In accordance with ISRM 1974-2006

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Dry Density kg/m^3	Porosity %	Test Method	Description	Lab location
DCBH2019_5	24	C	89.02	1520	44	Clause 3	White CHALK	**B**
DCBH2019_5	26	C	94.59	1540	41	Clause 3	White CHALK	**B**
DCBH2019_6	48	C	82.24	1460	47	Clause 3	White CHALK	**B**
DCBH2019_6	53	C	96.33	1520	44	Clause 3	White CHALK	**B**

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

Key: Clause 3 = Saturation and buoyancy method

STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By	Date
FRANCESCA BENNETT	**23.04.20**

Con[redacted]

Sizewell C Onshore GI Phase 2 2019

Contract Ref:

734318

AGS

TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **CH2019_R2**

Sample ID

Sample Ref: **33**

Sample Type: **C**

Sample Depth (m): **61.00**

Sample Details

Sample Description: **Yellowish brown silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **24/03/2020**

Mass of Test Portion, M0 (g): **244.74**

Volume of Dye Solution Added, V1 (ml): **60**

Test Result

Methylene Blue Value, MB (g/kg): **3.0**

[redacted]

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

d By	Date
FRANCESCA BENNETT	**23/04/20**

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - AGG - METHYLENE BLUE - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 23/04/20 - 12:03 | AF3 |

TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **CH2019_R2**

Sample ID

Sample Ref: **34**

Sample Type: **C**

Sample Depth (m): **62.90**

Sample Details

Sample Description: **Yellowish brown mottled grey slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **24/03/2020**

Mass of Test Portion, M0 (g): **36.65**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **6.7**

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

[redacted] piled By: **FRANCESCA BENNETT**

Date: **23/04/20**

Contract: **Sizewell C Onshore GI Phase 2 2019**

Job No: **734318**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - AGG - METHYLENE BLUE - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 23/04/20 - 12:03 | AF3 |

TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_2**

Sample ID

Sample Ref: **1**

Sample Type: **C**

Sample Depth (m): **10.05**

Sample Details

Sample Description: **Brown slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **15**

Volume of Kaolinite Added, V' (ml): **0**

Test Result

Methylene Blue Value, MB (g/kg): **0.9**

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

d By		Date
[redacted]	**LORNA WHITWORTH**	**07/03/20**
Co	Job No	
Sizewell C Onshore GI Phase 2 2019	**734318**	

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - AGG - METHYLENE BLUE - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 07/03/20 - 08:35 | AF3 |

TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_2**

Sample ID

Sample Ref: **2**

Sample Type: **C**

Sample Depth (m): **10.80**

Sample Details

Sample Description: **Brown slightly gravelly slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **233.8**

Volume of Dye Solution Added, V1 (ml): **30**

Test Result

Methylene Blue Value, MB (g/kg): **1.5**

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

[redacted]

	Date
LORNA WHITWORTH	**14/04/20**

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - AGG - METHYLENE BLUE - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 14/04/20 - 09:21 | AF3 |

TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_2**

Sample ID

Sample Ref: **3**

Sample Type: **C**

Sample Depth (m): **11.55**

Sample Details

Sample Description: **Brown slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **15**

Volume of Kaolinite Added, V' (ml): **0**

Test Result

Methylene Blue Value, MB (g/kg): **0.8**

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

[redacted] mpiled By		Date
	LORNA WHITWORTH	07/03/20
Co [redacted]	Job No	
Sizewell C Onshore GI Phase 2 2019	734318	

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - AGG - METHYLENE BLUE - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 07/03/20 - 08:35 | AF3 |

TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_2**

Sample ID

Sample Ref: **8**

Sample Type: **C**

Sample Depth (m): **15.30**

Sample Details

Sample Description: **Light brown slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.8**

Volume of Dye Solution Added, V1 (ml): **25**

Test Result

Methylene Blue Value, MB (g/kg): **1.5**

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

mpiled By		Date
[redacted]	LORNA WHITWORTH	07/03/20
C	Job No	
Sizewell C Onshore GI Phase 2 2019	734318	

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - AGG - METHYLENE BLUE - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 07/03/20 - 08:35 | AF3 |

TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_2**

Sample ID

Sample Ref: **14**

Sample Type: **C**

Sample Depth (m): **20.55**

Sample Details

Sample Description: **Brown slightly gravelly slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.8**

Volume of Dye Solution Added, V1 (ml): **10**

Volume of Kaolinite Added, V' (ml): **0**

Test Result

Methylene Blue Value, MB (g/kg): **0.6**

STRUCTURAL SOILS
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d By		Date
[redacted]	**LORNA WHITWORTH**	**07/03/20**
Con	Job No	
Sizewell C Onshore GI Phase 2 2019	**734318**	

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_2**

Sample ID

Sample Ref: **23**

Sample Type: **C**

Sample Depth (m): **33.30**

Sample Details

Sample Description: **Dark grey mottled brown slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.4**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **1.2**

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Sizewell C Onshore GI Phase 2 2019	734318	

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_2**

Sample ID

Sample Ref: **52**

Sample Type: **C**

Sample Depth (m): **66.30**

Sample Details

Sample Description: **Grey mottled brown clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **25**

Volume of Kaolinite Added, V' (ml): **0**

Test Result

Methylene Blue Value, MB (g/kg): **1.6**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_2**

Sample ID

Sample Ref: **53**

Sample Type: **C**

Sample Depth (m): **68.55**

Sample Details

Sample Description: **Brown mottled grey slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **237.8**

Volume of Dye Solution Added, V1 (ml): **40**

Test Result

Methylene Blue Value, MB (g/kg): **2.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **1**

Sample Type: **C**

Sample Depth (m): **9.50**

Sample Details

Sample Description: **Orangish brown mottled grey slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **201.9**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.6**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **2**

Sample Type: **C**

Sample Depth (m): **11.00**

Sample Details

Sample Description: **Yellowish brown mottled grey silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **246.6**

Volume of Dye Solution Added, V1 (ml): **40**

Test Result

Methylene Blue Value, MB (g/kg): **2.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **4**

Sample Type: **C**

Sample Depth (m): **13.25**

Sample Details

Sample Description: **Yellowish brown mottled grey slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **201.8**

Volume of Dye Solution Added, V1 (ml): **5**

Volume of Kaolinite Added, V' (ml): **0**

Test Result

Methylene Blue Value, MB (g/kg): **0.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **7**

Sample Type: **C**

Sample Depth (m): **16.25**

Sample Details

Sample Description: **Grey mottled brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.8**

Volume of Dye Solution Added, V1 (ml): **5**

Test Result

Methylene Blue Value, MB (g/kg): **0.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **10**

Sample Type: **C**

Sample Depth (m): **20.00**

Sample Details

Sample Description: **Brown mottled grey slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.4**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.6**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **13**

Sample Type: **C**

Sample Depth (m): **23.00**

Sample Details

Sample Description: **Greenish grey slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **201**

Volume of Dye Solution Added, V1 (ml): **5**

Test Result

Methylene Blue Value, MB (g/kg): **0.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **19**

Sample Type: **C**

Sample Depth (m): **31.25**

Sample Details

Sample Description: **Grey mottled brown slightly gravelly very silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/01/2020**

Mass of Test Portion, M0 (g): **261.5**

Volume of Dye Solution Added, V1 (ml): **25**

Test Result

Methylene Blue Value, MB (g/kg): **1.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **25**

Sample Type: **C**

Sample Depth (m): **40.25**

Sample Details

Sample Description: **Grey mottled brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/01/2020**

Mass of Test Portion, M0 (g): **240.6**

Volume of Dye Solution Added, V1 (ml): **15**

Test Result

Methylene Blue Value, MB (g/kg): **0.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **6**

Sample Type: **D**

Sample Depth (m): **42.50**

Sample Details

Sample Description: **Grey slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **240.6**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **1.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_3**

Sample ID

Sample Ref: **41**

Sample Type: **C**

Sample Depth (m): **62.82**

Sample Details

Sample Description: **Brown mottled grey slightly sandy silty CLAY**

Fraction Tested: **0 - 0.125 mm**

Pre-dried?: **No**

Test Details

Date of Test: **17/02/2020**

Mass of Test Portion, M0 (g): **36.21**

Volume of Dye Solution Added, V1 (ml): **30**

Test Result

Methylene Blue Value, MB (g/kg): **10.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_4**

Sample ID

Sample Ref: **1**

Sample Type: **C**

Sample Depth (m): **14.40**

Sample Details

Sample Description: **Brown mottled grey silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **17/02/2020**

Mass of Test Portion, M0 (g): **244.7**

Volume of Dye Solution Added, V1 (ml): **15**

Volume of Kaolinite Added, V' (ml): **0**

Test Result

Methylene Blue Value, MB (g/kg): **0.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_4**

Sample ID

Sample Ref: **8**

Sample Type: **C**

Sample Depth (m): **60.70**

Sample Details

Sample Description: **Brownish grey silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **239.9**

Volume of Dye Solution Added, V1 (ml): **100**

Test Result

Methylene Blue Value, MB (g/kg): **4.9**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_4**

Sample ID

Sample Ref: **9**

Sample Type: **C**

Sample Depth (m): **68.95**

Sample Details

Sample Description: **Dark grey mottled brown silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **24/03/2020**

Mass of Test Portion, M0 (g): **247.16**

Volume of Dye Solution Added, V1 (ml): **30**

Test Result

Methylene Blue Value, MB (g/kg): **1.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_5**

Sample ID

Sample Ref: **1**

Sample Type: **C**

Sample Depth (m): **15.60**

Sample Details

Sample Description: **Grey mottled brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 0.125 mm**

Pre-dried?: **No**

Test Details

Date of Test: **17/02/2020**

Mass of Test Portion, M0 (g): **36.3**

Volume of Dye Solution Added, V1 (ml): **15**

Test Result

Methylene Blue Value, MB (g/kg): **5.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_5**

Sample ID

Sample Ref: **2**

Sample Type: **C**

Sample Depth (m): **16.30**

Sample Details

Sample Description: **Brown mottled grey slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **24/03/2020**

Mass of Test Portion, M0 (g): **234.92**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_5**

Sample ID

Sample Ref: **3**

Sample Type: **C**

Sample Depth (m): **17.00**

Sample Details

Sample Description: **Grey mottled brown silty SAND with occasional shell fragments**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **24/03/2020**

Mass of Test Portion, M0 (g): **238.31**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_5**

Sample ID

Sample Ref: **5**

Sample Type: **C**

Sample Depth (m): **20.50**

Sample Details

Sample Description: **Greyish brown slightly gravelly slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **202.7**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.6**

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Job No **734318**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_5**

Sample ID

Sample Ref: **7**

Sample Type: **C**

Sample Depth (m): **22.95**

Sample Details

Sample Description: **Light brown mottled grey gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **24/03/2020**

Mass of Test Portion, M0 (g): **226.96**

Volume of Dye Solution Added, V1 (ml): **5**

Test Result

Methylene Blue Value, MB (g/kg): **0.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_5**

Sample ID

Sample Ref: **10**

Sample Type: **C**

Sample Depth (m): **34.45**

Sample Details

Sample Description: **Dark grey silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **24/03/2020**

Mass of Test Portion, M0 (g): **240.3**

Volume of Dye Solution Added, V1 (ml): **30**

Test Result

Methylene Blue Value, MB (g/kg): **1.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_5**

Sample ID

Sample Ref: **13**

Sample Type: **C**

Sample Depth (m): **43.45**

Sample Details

Sample Description: **Grey silty SAND with occasional shell fragments**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **24/03/2020**

Mass of Test Portion, M0 (g): **219.06**

Volume of Dye Solution Added, V1 (ml): **5**

Test Result

Methylene Blue Value, MB (g/kg): **0.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_6**

Sample ID

Sample Ref: **1**

Sample Type: **C**

Sample Depth (m): **14.20**

Sample Details

Sample Description: **Brown slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/01/2020**

Mass of Test Portion, M0 (g): **238.1**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **1.0**

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By	Date
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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_6**

Sample ID

Sample Ref: **3**

Sample Type: **C**

Sample Depth (m): **16.45**

Sample Details

Sample Description: **Greyish brown slightly gravelly slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **233.4**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **1.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_6**

Sample ID

Sample Ref: **6**

Sample Type: **C**

Sample Depth (m): **20.20**

Sample Details

Sample Description: **Greyish brown slightly gravelly slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/01/2020**

Mass of Test Portion, M0 (g): **240.9**

Volume of Dye Solution Added, V1 (ml): **15**

Test Result

Methylene Blue Value, MB (g/kg): **0.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_6**

Sample ID

Sample Ref: **10**

Sample Type: **C**

Sample Depth (m): **28.45**

Sample Details

Sample Description: **Dark grey silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **03/01/2020**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.6**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_6**

Sample ID

Sample Ref: **14**

Sample Type: **C**

Sample Depth (m): **34.45**

Sample Details

Sample Description: **Dark grey gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/01/2020**

Mass of Test Portion, M0 (g): **241.9**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_6**

Sample ID

Sample Ref: **16**

Sample Type: **D**

Sample Depth (m): **58.45**

Sample Details

Sample Description: **Brownish grey clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **244**

Volume of Dye Solution Added, V1 (ml): **80**

Test Result

Methylene Blue Value, MB (g/kg): **4.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_6**

Sample ID

Sample Ref: **35**

Sample Type: **C**

Sample Depth (m): **69.70**

Sample Details

Sample Description: **Dark greenish grey sandy silty CLAY**

Fraction Tested: **0 - 0.125 mm**

Pre-dried?: **No**

Test Details

Date of Test: **17/02/2020**

Mass of Test Portion, M0 (g): **38.54**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **6.7**

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[redacted] piled By: **FRANCESCA BENNETT**

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Job No: **734318**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_7**

Sample ID

Sample Ref: **2**

Sample Type: **C**

Sample Depth (m): **18.25**

Sample Details

Sample Description: **Grey slightly gravelly slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/01/2020**

Mass of Test Portion, M0 (g): **242.9**

Volume of Dye Solution Added, V1 (ml): **5**

Test Result

Methylene Blue Value, MB (g/kg): **0.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_7**

Sample ID

Sample Ref: **7**

Sample Type: **C**

Sample Depth (m): **23.50**

Sample Details

Sample Description: **Grey mottled yellowish brown slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/01/2020**

Mass of Test Portion, M0 (g): **241.3**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_7**

Sample ID

Sample Ref: **5**

Sample Type: **D**

Sample Depth (m): **28.75**

Sample Details

Sample Description: **Grey slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **239**

Volume of Dye Solution Added, V1 (ml): **15**

Test Result

Methylene Blue Value, MB (g/kg): **0.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **DCBH2019_7**

Sample ID

Sample Ref: **36**

Sample Type: **C**

Sample Depth (m): **64.20**

Sample Details

Sample Description: **Greyish brown silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/02/2020**

Mass of Test Portion, M0 (g): **247.8**

Volume of Dye Solution Added, V1 (ml): **85**

Test Result

Methylene Blue Value, MB (g/kg): **4.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **Group 1**

Sample ID

Sample Ref: **1**

Sample Type: **B**

Sample Depth (m): **-**

Sample Details

Sample Description: **Brown gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **13/01/2020**

Mass of Test Portion, M0 (g): **200.8**

Volume of Dye Solution Added, V1 (ml): **40**

Test Result

Methylene Blue Value, MB (g/kg): **2.2**

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By	Date
DAISY RICHARDS	**08/03/20**

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Sizewell C Onshore GI Phase 2 2019

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **Group 2**

Sample ID

Sample Ref: **1**

Sample Type: **B**

Sample Depth (m): **-**

Sample Details

Sample Description: **Brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **13/01/2020**

Mass of Test Portion, M0 (g): **200.8**

Volume of Dye Solution Added, V1 (ml): **60**

Test Result

Methylene Blue Value, MB (g/kg): **3.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **Group 3**

Sample ID

Sample Ref: **1**

Sample Type: **B**

Sample Depth (m): **-**

Sample Details

Sample Description: **Brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **13/01/2020**

Mass of Test Portion, M0 (g): **200.3**

Volume of Dye Solution Added, V1 (ml): **60**

Test Result

Methylene Blue Value, MB (g/kg): **3.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **Group 4**

Sample ID

Sample Ref: **1**

Sample Type: **B**

Sample Depth (m): **-**

Sample Details

Sample Description: **Brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **13/01/2020**

Mass of Test Portion, M0 (g): **200.2**

Volume of Dye Solution Added, V1 (ml): **45**

Test Result

Methylene Blue Value, MB (g/kg): **2.6**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **Group 5**

Sample ID

Sample Ref: **1**

Sample Type: **B**

Sample Depth (m): **-**

Sample Details

Sample Description: **Brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **13/01/2020**

Mass of Test Portion, M0 (g): **201**

Volume of Dye Solution Added, V1 (ml): **50**

Test Result

Methylene Blue Value, MB (g/kg): **3.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **Group 6**

Sample ID

Sample Ref: **1**

Sample Type: **B**

Sample Depth (m): **-**

Sample Details

Sample Description: **Brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **13/01/2020**

Mass of Test Portion, M0 (g): **200.9**

Volume of Dye Solution Added, V1 (ml): **50**

Test Result

Methylene Blue Value, MB (g/kg): **2.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_A**

Sample ID

Sample Ref: **3**

Sample Type: **B**

Sample Depth (m): **0.40**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/12/2019**

Mass of Test Portion, M0 (g): **201.2**

Volume of Dye Solution Added, V1 (ml): **50**

Test Result

Methylene Blue Value, MB (g/kg): **3.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_A**

Sample ID

Sample Ref: **4**

Sample Type: **B**

Sample Depth (m): **0.80**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/12/2019**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **50**

Test Result

Methylene Blue Value, MB (g/kg): **3.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_A**

Sample ID

Sample Ref: **5**

Sample Type: **B**

Sample Depth (m): **2.80**

Sample Details

Sample Description: **Orangish brown very gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **10/12/2019**

Mass of Test Portion, M0 (g): **200.6**

Volume of Dye Solution Added, V1 (ml): **45**

Test Result

Methylene Blue Value, MB (g/kg): **2.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_C**

Sample ID

Sample Ref: **5**

Sample Type: **B**

Sample Depth (m): **0.30**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **13/12/2019**

Mass of Test Portion, M0 (g): **244.98**

Volume of Dye Solution Added, V1 (ml): **60**

Volume of Kaolinite Added, V' (ml): **0**

Test Result

Methylene Blue Value, MB (g/kg): **2.9**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_C**

Sample ID

Sample Ref: **7**

Sample Type: **B**

Sample Depth (m): **1.50**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/12/2019**

Mass of Test Portion, M0 (g): **204.9**

Volume of Dye Solution Added, V1 (ml): **80**

Volume of Kaolinite Added, V' (ml): **30**

Test Result

Methylene Blue Value, MB (g/kg): **2.9**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_C**

Sample ID

Sample Ref: **9**

Sample Type: **LB**

Sample Depth (m): **2.50**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **16/12/2019**

Mass of Test Portion, M0 (g): **205.6**

Volume of Dye Solution Added, V1 (ml): **90**

Test Result

Methylene Blue Value, MB (g/kg): **5.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_D**

Sample ID

Sample Ref: **4**

Sample Type: **B**

Sample Depth (m): **0.40**

Sample Details

Sample Description: **Light orangish brown slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.9**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **1.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_D**

Sample ID

Sample Ref: **5**

Sample Type: **B**

Sample Depth (m): **0.80**

Sample Details

Sample Description: **Brown very gravelly slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **18/12/2019**

Mass of Test Portion, M0 (g): **207**

Volume of Dye Solution Added, V1 (ml): **25**

Test Result

Methylene Blue Value, MB (g/kg): **1.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_D**

Sample ID

Sample Ref: **6**

Sample Type: **B**

Sample Depth (m): **1.80**

Sample Details

Sample Description: **Dark brown very gravelly SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **18/12/2019**

Mass of Test Portion, M0 (g): **217.7**

Volume of Dye Solution Added, V1 (ml): **5**

Test Result

Methylene Blue Value, MB (g/kg): **0.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_D**

Sample ID

Sample Ref: **7**

Sample Type: **B**

Sample Depth (m): **2.90**

Sample Details

Sample Description: **Dark grey very gravelly slightly silty SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.1**

Volume of Dye Solution Added, V1 (ml): **5**

Test Result

Methylene Blue Value, MB (g/kg): **0.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_E**

Sample ID

Sample Ref: **1**

Sample Type: **B**

Sample Depth (m): **0.00**

Sample Details

Sample Description: **Orangish brown gravelly slightly silty/clayey SAND with high cobble content**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.5**

Volume of Dye Solution Added, V1 (ml): **25**

Test Result

Methylene Blue Value, MB (g/kg): **1.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_E1**

Sample ID

Sample Ref: **3**

Sample Type: **B**

Sample Depth (m): **2.00**

Sample Details

Sample Description: **Dark brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **17/12/2019**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **1.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_F**

Sample ID

Sample Ref: **4**

Sample Type: **B**

Sample Depth (m): **0.30**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.2**

Volume of Dye Solution Added, V1 (ml): **35**

Volume of Kaolinite Added, V' (ml): **0**

Test Result

Methylene Blue Value, MB (g/kg): **2.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_F**

Sample ID

Sample Ref: **6**

Sample Type: **B**

Sample Depth (m): **0.90**

Sample Details

Sample Description: **Brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.2**

Volume of Dye Solution Added, V1 (ml): **45**

Test Result

Methylene Blue Value, MB (g/kg): **2.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_F**

Sample ID

Sample Ref: **8**

Sample Type: **B**

Sample Depth (m): **1.20**

Sample Details

Sample Description: **Dark brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.2**

Volume of Dye Solution Added, V1 (ml): **40**

Test Result

Methylene Blue Value, MB (g/kg): **2.3**

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Contract: **Sizewell C Onshore GI Phase 2 2019**	Job No: **734318**	

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_F**

Sample ID

Sample Ref: **10**

Sample Type: **B**

Sample Depth (m): **2.00**

Sample Details

Sample Description: **Dark brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **45**

Test Result

Methylene Blue Value, MB (g/kg): **2.7**

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[redacted]	LORNA WHITWORTH	08/03/20
Contr [redacted] Sizewell C Onshore GI Phase 2 2019	Job No 734318	

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_H**

Sample ID

Sample Ref: **3**

Sample Type: **B**

Sample Depth (m): **0.30**

Sample Details

Sample Description: **Orangish brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **17/12/2019**

Mass of Test Portion, M0 (g): **200.5**

Volume of Dye Solution Added, V1 (ml): **75**

Test Result

Methylene Blue Value, MB (g/kg): **4.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_H**

Sample ID

Sample Ref: **5**

Sample Type: **LB**

Sample Depth (m): **1.40**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **20/01/2020**

Mass of Test Portion, M0 (g): **200.8**

Volume of Dye Solution Added, V1 (ml): **40**

Test Result

Methylene Blue Value, MB (g/kg): **2.3**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_I**

Sample ID

Sample Ref: **3**

Sample Type: **B**

Sample Depth (m): **0.05**

Sample Details

Sample Description: **Dark yellowish brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **201.0**

Volume of Dye Solution Added, V1 (ml): **30**

Test Result

Methylene Blue Value, MB (g/kg): **1.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_I**

Sample ID

Sample Ref: **5**

Sample Type: **B**

Sample Depth (m): **0.30**

Sample Details

Sample Description: **Dark yellowish brown slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **201.2**

Volume of Dye Solution Added, V1 (ml): **10**

Test Result

Methylene Blue Value, MB (g/kg): **0.5**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_I**

Sample ID

Sample Ref: **7**

Sample Type: **B**

Sample Depth (m): **1.10**

Sample Details

Sample Description: **Dark yellowish brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **30**

Test Result

Methylene Blue Value, MB (g/kg): **1.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_I**

Sample ID

Sample Ref: **9**

Sample Type: **B**

Sample Depth (m): **2.00**

Sample Details

Sample Description: **Dark yellowish brown slightly gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **20/01/2020**

Mass of Test Portion, M0 (g): **205.2**

Volume of Dye Solution Added, V1 (ml): **35**

Test Result

Methylene Blue Value, MB (g/kg): **2.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_J**

Sample ID

Sample Ref: **3**

Sample Type: **B**

Sample Depth (m): **0.10**

Sample Details

Sample Description: **Orangish brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **17/12/2019**

Mass of Test Portion, M0 (g): **200.9**

Volume of Dye Solution Added, V1 (ml): **110**

Volume of Kaolinite Added, V' (ml): **90**

Test Result

Methylene Blue Value, MB (g/kg): **1.1**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_J**

Sample ID

Sample Ref: **9**

Sample Type: **B**

Sample Depth (m): **1.10**

Sample Details

Sample Description: **Dark orangish brown silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **17/12/2019**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **150**

Volume of Kaolinite Added, V' (ml): **120**

Test Result

Methylene Blue Value, MB (g/kg): **1.7**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_J**

Sample ID

Sample Ref: **11**

Sample Type: **B**

Sample Depth (m): **2.00**

Sample Details

Sample Description: **Dark orangish brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **20/01/2020**

Mass of Test Portion, M0 (g): **206.1**

Volume of Dye Solution Added, V1 (ml): **65**

Test Result

Methylene Blue Value, MB (g/kg): **3.8**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_J**

Sample ID

Sample Ref: **13**

Sample Type: **B**

Sample Depth (m): **3.50**

Sample Details

Sample Description: **Dark orangish brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **20/01/2020**

Mass of Test Portion, M0 (g): **201.5**

Volume of Dye Solution Added, V1 (ml): **50**

Test Result

Methylene Blue Value, MB (g/kg): **2.9**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_J**

Sample ID

Sample Ref: **16**

Sample Type: **B**

Sample Depth (m): **5.00**

Sample Details

Sample Description: **Dark orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **20/01/2020**

Mass of Test Portion, M0 (g): **202.9**

Volume of Dye Solution Added, V1 (ml): **35**

Test Result

Methylene Blue Value, MB (g/kg): **2.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_K**

Sample ID

Sample Ref: **3**

Sample Type: **B**

Sample Depth (m): **0.10**

Sample Details

Sample Description: **Orangish brown very gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.4**

Volume of Dye Solution Added, V1 (ml): **30**

Test Result

Methylene Blue Value, MB (g/kg): **1.6**

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Date: **08/03/20**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_K**

Sample ID

Sample Ref: **5**

Sample Type: **B**

Sample Depth (m): **0.50**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **40**

Test Result

Methylene Blue Value, MB (g/kg): **2.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_K**

Sample ID

Sample Ref: **7**

Sample Type: **B**

Sample Depth (m): **1.20**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **20/01/2020**

Mass of Test Portion, M0 (g): **202.1**

Volume of Dye Solution Added, V1 (ml): **35**

Test Result

Methylene Blue Value, MB (g/kg): **2.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_K**

Sample ID

Sample Ref: **9**

Sample Type: **B**

Sample Depth (m): **2.50**

Sample Details

Sample Description: **Orangish brown gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.4**

Volume of Dye Solution Added, V1 (ml): **20**

Test Result

Methylene Blue Value, MB (g/kg): **1.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_K**

Sample ID

Sample Ref: **13**

Sample Type: **B**

Sample Depth (m): **4.00**

Sample Details

Sample Description: **Orangish brown gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **20/01/2020**

Mass of Test Portion, M0 (g): **219.8**

Volume of Dye Solution Added, V1 (ml): **45**

Test Result

Methylene Blue Value, MB (g/kg): **2.2**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_K**

Sample ID

Sample Ref: **15**

Sample Type: **B**

Sample Depth (m): **6.00**

Sample Details

Sample Description: **Orangish brown slightly gravelly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **19/12/2019**

Mass of Test Portion, M0 (g): **200.7**

Volume of Dye Solution Added, V1 (ml): **35**

Test Result

Methylene Blue Value, MB (g/kg): **2.0**

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TEST REPORT

METHYLENE BLUE TEST

In accordance with BS EN 933-9:2009

Location ID: **MGS2019_K**

Sample ID

Sample Ref: **16**

Sample Type: **B**

Sample Depth (m): **6.00**

Sample Details

Sample Description: **Orangish brown gravelly slightly silty/clayey SAND**

Fraction Tested: **0 - 2 mm**

Pre-dried?: **No**

Test Details

Date of Test: **20/01/2020**

Mass of Test Portion, M0 (g): **206.9**

Volume of Dye Solution Added, V1 (ml): **25**

Test Result

Methylene Blue Value, MB (g/kg): **1.4**

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

[redacted] iled By	Date
FRANCESCA BENNETT	**08/03/20**

Sizewell C Onshore GI Phase 2 2019

Job No **734318**

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SUMMARY OF INDIRECT TENSILE STRENGTH BY THE BRAZIL TEST

In accordance with ISRM Suggested Methods

Borehole: **DCBH2019_2** Sample Type: **C** Depth (m): **83.59**

Bulk Density (Mg/m^3): **1.91** Dry Density (Mg/m^3): **1.48** Moisture Content (%): **29**

Sample Diameter (mm): **53.54** Sample Thickness (mm): **29.76** Thickness/Diameter Ratio: **0.56**

Orientation of loading: **Diametral** Stress Rate (kN/s): **0.10** Test duration (secs): **28**

Load at Failure (kN): **3.4** Tensile Strength (MPa): **1.36**

Description: **White CHALK**

Loading / Foliation relationship: **Not recorded**

Failure notes: **None**



Post-test photo

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	ed By [redacted]	Date
	FRANCESCA BENNETT	**07/03/20**
	Sizewell C Onshore GI Phase 2 2019	Job No **734318**

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SUMMARY OF INDIRECT TENSILE STRENGTH BY THE BRAZIL TEST

In accordance with ISRM Suggested Methods

Borehole: **DCBH2019_2** Sample Type: **C** Depth (m): **118.80**

Bulk Density (Mg/m^3): **1.92** Dry Density (Mg/m^3): **1.50** Moisture Content (%): **28**

Sample Diameter (mm): **53.49** Sample Thickness (mm): **30.18** Thickness/Diameter Ratio: **0.56**

Orientation of loading: **Diametral** Stress Rate (kN/s): **0.10** Test duration (secs): **55**

Load at Failure (kN): **3.8** Tensile Strength (MPa): **1.50**

Description: **White CHALK**

Loading / Foliation relationship: **Not recorded**

Failure notes: **None**



Post-test photo

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1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By	Date
[redacted] FRANCESCA BENNETT	07/03/20

Contract	Job No
Sizewell C Onshore GI Phase 2 2019	734318

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SUMMARY OF INDIRECT TENSILE STRENGTH BY THE BRAZIL TEST

In accordance with ISRM Suggested Methods

Borehole: **DCBH2019_3** Sample Type: **C** Depth (m): **93.50**

Bulk Density (Mg/m^3): **1.96** Dry Density (Mg/m^3): **1.52** Moisture Content (%): **29**

Sample Diameter (mm): **53.66** Sample Thickness (mm): **29.04** Thickness/Diameter Ratio: **0.54**

Orientation of loading: **Diametral** Stress Rate (kN/s): **0.10** Test duration (secs): **26**

Load at Failure (kN): **2.8** Tensile Strength (MPa): **1.14**

Description: **White CHALK**

Loading / Foliation relationship: **Not recorded**

Failure notes: **None**



Post-test photo

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1a Princess Street
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Tested By		Date
[redacted]	DAISY RICHARDS	07/03/20
Contract		Job No
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