Geo-Environmental

GROUND INVESTIGATION REPORT

for the site at

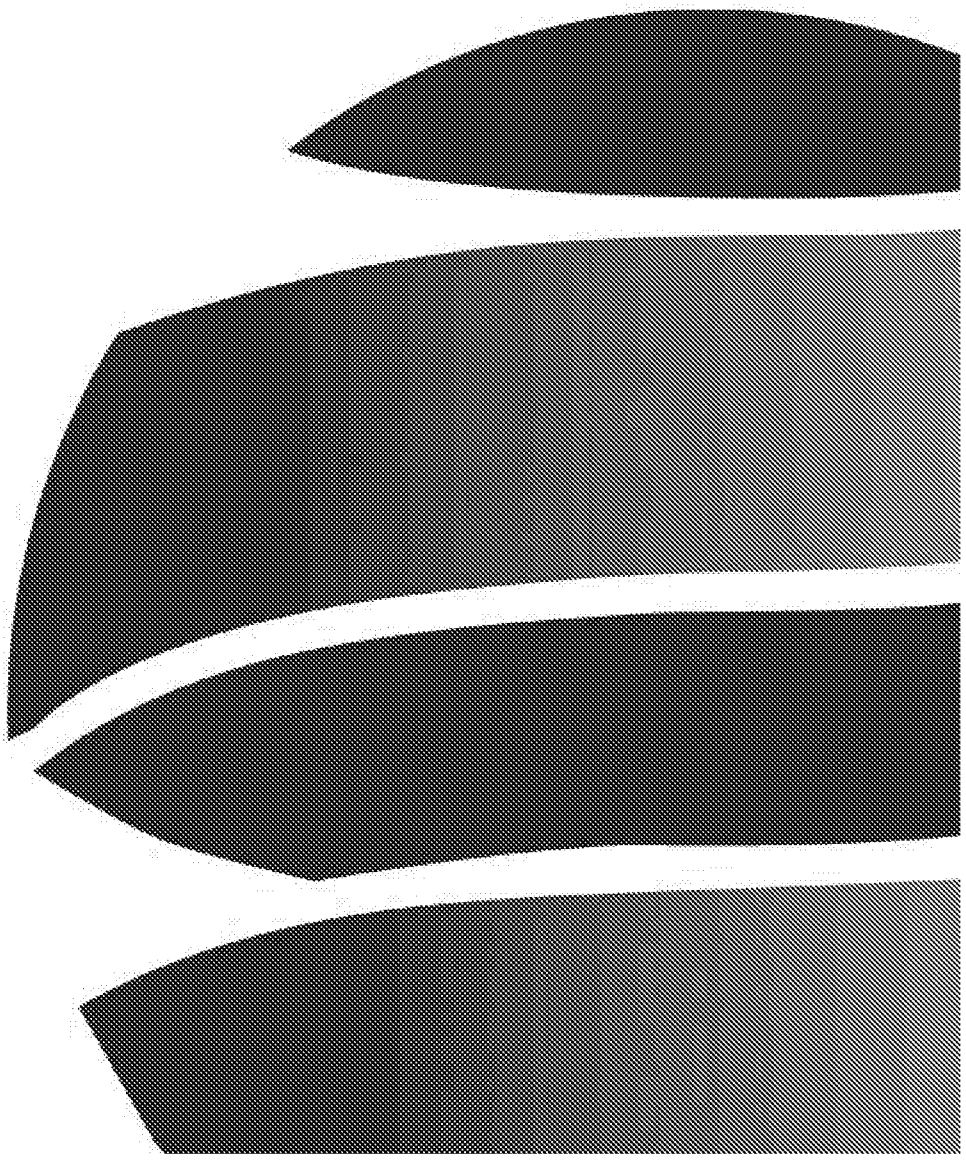
FORMER DAISYFIELDS CARAVAN PARK

CORNFIELD CLOSE, LITTLEHAMPTON

WEST SUSSEX, BN17 6LD

on behalf of

THAKEHAM CLIENT LIMITED



ARUN DISTRICT COUNCIL LU/330/18/PL

Report:	GROUND INVESTIGATION REPORT
Site:	FORMER DAISYFIELDS CARAVAN PARK, CORNFIELD CLOSE, LITTLEHAMPTON, WEST SUSSEX, BN17 6LD
Client:	THAKEHAM CLIENT LIMITED
Date:	05/11/2018
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EXECUTIVE SUMMARY		
Site Details	Site Address	The site comprised a generally flat and level grass covered former caravan and camp site.
	National Grid Reference	503370, 103260
	Form of Development	The proposed development is to consist of 77 residential units with private gardens, soft landscaping, amenity space, parking, roadways and associated infrastructure.
Encountered Conditions	Scope of works	The investigation included undertaking a number of phases of intrusive ground investigation, coupled with ground gas and groundwater monitoring and laboratory testing to inform a geotechnical and geo-environmental assessment.
	Ground Conditions	The ground conditions encountered within the exploratory holes comprised a thickness of superficial deposits (Topsoil, Made Ground and River Terrace Deposits) over the solid geology of the Lewes Nodular Chalk Formation. The Made Ground was found to be landfill within a historic brick pit.
	Groundwater	Groundwater was encountered within the Lewes Nodular Chalk Formation. Groundwater was recorded at depths between 5.95m and 7.10m below existing ground level with standpipes installed within the cable percussion boreholes.
Geotechnical Considerations	Foundations	Based on the ground and groundwater conditions encountered during the intrusive works, conventional foundations are not considered appropriate and a piled foundation scheme is therefore recommended with reinforced concrete ground beams and fully suspended slabs.
	Excavations	Shallow and deeper, longer excavations within the Made Ground are likely to be prone to instability and potential collapse. Such excavations will require some form or temporary support such as shoring or battering back to a safe angle of repose. All excavations taken below the groundwater table will require full support and dewatering Under no circumstances should personnel be permitted to enter unsupported excavations during construction or maintenance.
	Pavements	Whilst CBR values of between 1% and >30% were measured in-situ and by laboratory testing, a CBR value of 1% was considered appropriate for the pavement design, based on the variability of the engineering properties of the Made Ground at formation level.
	Soakaways	It is understood that a bespoke constructed crated soakaway is proposed for storm water attenuation and disposal and will be designed to discharge storm water into the natural soils only. The results of the soakage tests undertaken within the more granular parts of the River Terrace Deposits indicated good soakage potential in the area of the proposed soakaway.

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	Buried Concrete	It is recommended that a design class of DS-2 and an ACEC class of AC-1s be applied to all sub-surface concrete.
Environmental Considerations	Human Health	A cover system of minimum thickness 650mm is proposed in gardens and soft landscaped areas. This is to be relaxed in areas of tree root protection.
	Groundwater	Groundwater monitoring has identified some marginal selenium, boron and PAH impact to groundwater. This is likely to be indicative of general background concentrations and the presence of landfill, and the surrounding urban environment. The development proposals are for the betterment of the site status in respect of potential groundwater contamination (including leachate) and therefore, based on the results and the development proposals it is considered that no specific remediation is required in this respect.
	Ground Gases	Based on the results of the spot monitoring and continuous monitoring the site is classified as CS2 and NHBC Amber 2, requiring high level ground gas protection as prescribed in BRE414.
	Radon Gas	No radon protection measures are required.
	Built Environment	The use of barrier pipe is likely to be required for potable water supply pipes on site, however the water company should be contacted to confirm their requirements. In line with best practice trenches should be backfilled with clean, inert granular fill (shingle).
	Waste Disposal	Ten representative samples were analysed for waste acceptance criteria testing. Three of the samples fell into the hazardous waste classification on account of marginal exceedances of TOC and loss on ignition (organic matter). It is possible that a receiving landfill operator will accept this material as non-hazardous, though this would require confirmation from the proposed operator. Four samples were classified as inert and three as non-hazardous waste. Any waste soils which include asbestos will require asbestos quantification analysis to be undertaken to determine their disposal classification. Where the concentration of free asbestos fibres exceed 0.1% the material would be deemed hazardous. Furthermore, any material containing fragments of ACM containing more than 0.1% asbestos would also be deemed hazardous.

Further Action:

- LA approved Remediation Method Statement and Validation Report in respect to the recommended ground gas protection measures, soil cover system and use of barrier pipe for drinking water supply.
- Ground gas membrane installation by a specialist contractor
- Environment Agency consultation in respect of groundwater and Foundation Works Risk Assessment
- A discovery strategy should be maintained during the development such that any abnormal conditions (not discovered during the SI) are identified and their potential impact on the proposed development assessed prior to determining any potential mitigation measures.

This Executive Summary is intended to provide a brief summary of the main findings and conclusions of the investigation. For detailed information, the reader is referred to the main report ref. GE17106–GIR/AP01/231018.

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1.0 INTRODUCTION

1.1 General

Geo-Environmental was instructed by Thakeham Client to investigate the geotechnical and geo-environmental factors pertaining to the proposed redevelopment of the former Daisyfields Caravan Park, Cornfield Close, Littlehampton, West Sussex, BN17 6LD (see Figure 1).

A desk study was produced separately in December 2017. For full details of the findings, reference should be made to that report (ref: GE16903-DSR-DEC17) presented in Appendix F. In addition, a baseline ground investigation was undertaken in November 2017 through January 2018 (ref: GE16903BGIR-JAN18) and a preliminary soakage testing letter report in April 2018 (ref GE17106/AP01/180413). For further details, please refer to the reports referenced above, presented in Appendix G and Appendix H respectively.

1.2 Form of Development

The proposed development is to consist of 77 residential units with private gardens, soft landscaping, amenity space, parking, roadways and associated infrastructure.

1.3 Site Description

The site comprised an approximately square shaped parcel of land, which was noted to be generally flat and level. The site was located at NGR 503370, 103260 and extended to c. 2.71Ha.

At the time of the site investigation, the site comprised a disused caravan park under the ownership of Arun District Council. The northernmost portion comprised accommodation that had been occupied by the former tenant, a reception/shop, caravan plots and the hardstanding from a former wash block. The central and southern portions comprised caravan plots and recreation space. The site was bounded by cattle fencing and mature trees.

The surrounding area comprised residential properties to the north and east, and two different schools and open space to the south and west. Site access was via Cornfield Close to the north.

1.4 Objectives

An intrusive investigation was to be undertaken into the geotechnical and geo-environmental conditions pertaining to the site.

The data from the geotechnical investigation was to form the basis of an interpretation with respect to foundation, pavement and soakaway design and concrete specification.

In terms of the environmental investigation, a Preliminary Risk Assessment (PRA) was undertaken as part of the desk study in accordance with CLR11, in order to provide a basis for the scope and rationale of the subsequent Phase II ground investigation. The data from Phase I and Phase II were then to form the basis of a subsequent preliminary Generic Quantitative Risk Assessment (GQRA). The

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objective of the risk assessments was to evaluate the risks posed to the proposed redevelopment, adjacent land uses, and the wider environment, in the context of the development options, immediate liabilities under the Environment Act 1990, and risks posed to Controlled Waters under the Water Resources Act.

1.5 Standards

Where practicable, the ground investigation and subsequent environmental assessments were undertaken in accordance with the following documents and guidance:

- British Standards Institute - Code of Practice for Site Investigations (BS5930:2015).
- British Standards Institute - Code of Practice for the Characterisation and Remediation from Ground Gas in Affected Developments (BS8485:2015).
- British Standards Institute - Eurocode 7 – Geotechnical Design - Parts 1 & 2 (BS EN1997-1:2004 & BS EN1997-2:2007).
- British Standards Institute - Guidance on investigations for ground gas. Permanent gases and Volatile Organic Compounds (VOCs) (BS8576:2013).
- British Standards Institute - Investigation of Potentially Contaminated Sites - Code of Practice (BS10175:2011).
- British Standards Institute - Soils for Civil Engineering Purposes (BS1377:1990).
- Building Research Establishment - The Performance of Building Materials in Contaminated Land (BRE255) (1994).
- Construction Industry Research and Information Association - Assessing risks posed by hazardous ground gases to buildings (C665) (2007).
- Department for Communities and Local Government - National Planning Policy Framework (2012).
- Department for Environment Food and Rural Affairs and CL:AIRE - Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination (SP1010) (2014).
- Department for Environment Food and Rural Affairs and Environment Agency - Model Procedures for the Management of Contaminated Land (CLR11) (2004).
- Department of Environment - Industry Profiles (1995 - 1996).
- Environment Agency - Guidance for waste destined for disposal in landfills (2006).
- Environment Agency - Guidance on Requirements for Land Contamination Reports (2005).
- National House Building Council, Environment Agency & Chartered Institute of Environmental Health - Guidance for the Safe Development of Housing on Land Affected by Contamination (R&D Publication 66) (2008).
- National House Building Council - Guidance on evaluation of development proposals on sites where methane and carbon dioxide are present (10627-R01[04]) (2007).
- National House Building Council – Standards, Chapter 4.1 Land Quality - Managing Ground Conditions (2016).

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1.6 Conditions

The data collected from the investigations have been used to provide an interpretation of the environmental conditions pertaining to the site. The recommendations and opinions expressed in this report are based on the data obtained. Geo-Environmental takes no responsibility for conditions that either have not been revealed in the available records, or that occurs between or under points of physical investigation. Whilst every effort has been made to interpret the conditions, such information is only indicative and liability cannot be accepted for its accuracy.

It should be noted that in particular the concentrations and levels of mobile liquid and gaseous materials are likely to vary with time. The results obtained may therefore only be representative of the conditions at the time of sampling. This report should not be taken as any guarantee that a site is free of hazardous or potentially contaminative materials.

Information contained in this report is intended for the use of the Client, and Geo-Environmental can take no responsibility for the use of this information by any party for uses other than that described in this report. Geo-Environmental makes no warranty or representation whatsoever express or implied with respect to the use of this information by any third party. Geo-Environmental does not indemnify the Client or any third parties against any dispute or claim arising from any finding or other result of this investigation report or any consequential losses.

Assessment criteria or other parameters developed for the evaluation of contamination on this site are based on a number of assumptions regarding exposure and toxicology, and exposure to contaminants and levels of adverse effects may therefore vary. Whilst every care and expertise has been employed in the development of such criteria, no liability is accepted in this respect. Other criteria or guidance on the development of assessment criteria may be published in the future, and no liability is accepted in this respect.

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2.0 PRELIMINARY RISK ASSESSMENT

A preliminary risk assessment was prepared as part of the desk study, below is the risk assessment:

Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
Contaminants of Concern **(Shallow soils and shallow Made Ground)**	End users	Direct contact	Likely	Medium	**Moderate** End users are likely to come into contact with soils via direct contact in areas of soft landscaping (include private gardens) within the residential areas. However should contaminants of concern be identified landscaping would be completed within uncontaminated soils in the near surface root zone.
	Soft Landscaping	Root Uptake	Likely	Medium	**Moderate** Areas of soft landscaping are proposed. However landscaping would be completed within uncontaminated soils in the near surface root zone and no clear evidence of harm to existing vegetation as evident.
	Adjacent land users	Direct or indirect contact	Likely	Mild	**Moderate to Low** Adjacent site users may to come into contact with soils, subject to the final proposed development on the site/surrounding land which is currently proposed to include landscaping. Landscaping would be completed within uncontaminated soils in the near surface root zone.

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Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
	Water supply pipes	Direct contact	Likely	Mild	**Moderate to Low** Water supply pipes could come into contact with impacted soils depending upon depth of installation and extent of soil impact.
	Buildings and infrastructure	Direct contact	Likely	Minor	**Low** Foundations and utilities will be placed within potentially aggressive soils (e.g. sulphate).
	Groundwater	Vertical migration	Likely	Minor	**Low** Shallow groundwater (<5m bgl) may be present at the site within the River Terrace Deposits, although in places this may represent perched water due to the more cohesive bands beneath the site. The stratums beneath the site is classified as a Principal Aquifer and Secondary 'A' Aquifer. The site is located outside of any SPZ.
	Surface Water	Lateral Migration	Likely	Mild	**Moderate to Low** An unknown feature (likely to be a small pond or ditch) was identified 58m from the site boundary. As such where contaminants are identified within the shallow soils on the site, leaching and lateral migration of the contaminants may occur.
Contaminants of Concern **(Deeper Made Ground/Infilled**	End users	Direct contact	Likely	Medium	**Moderate** End users are likely to come into contact with soils via direct contact in areas of soft landscaping (potentially to include private gardens). However should

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Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
Ground)					contaminants of concern be identified landscaping would be completed within uncontaminated soils in the near surface root zone.
	Soft Landscaping	Root Uptake	Likely	Medium	**Moderate** Areas of soft landscaping and public open space are proposed. However landscaping would be completed within uncontaminated soils in the near surface root zone and no clear evidence of harm to existing vegetation as evident.
	Adjacent land users	Direct or indirect contact	Likely	Mild	**Moderate to Low** Adjacent site users may to come into contact with soils, subject to the final proposed development on the site/surrounding land. Landscaping would be completed within uncontaminated soils in the near surface root zone.
	Water supply pipes	Direct contact	Likely	Mild	**Moderate to Low** Water supply pipes could come into contact with impacted soils depending upon depth of installation and extent of soil impact.
	Buildings and infrastructure	Direct contact	Likely	Mild	**Moderate to Low** Foundations and utilities will be placed within potentially aggressive soils (e.g. sulphate).

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Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
	Groundwater	Vertical migration	Likely	Mild	**Moderate to Low** Shallow groundwater (<5m bgl) may be present at the site within the River Terrace Deposits, although in places this may represent perched water due to the more cohesive bands beneath the site. The stratum beneath the site is classified as a Principal Aquifer and Secondary 'A' Aquifer. The site is located outside of any SPZ.
	Surface Water	Lateral Migration	Likely	Mild	**Moderate to Low** An unknown feature was identified 58m from the site boundary. As such where contaminants are identified within the shallow soils on the site, leaching and lateral migration of the contaminants may occur.
Ground Gases and Vapours	End users	Inhalation	Likely	Medium	**Moderate** Ingress of hazardous ground gas into buildings on or in proximity to any landfilled area or ground gas/vapour source could occur and could result in significant harm where ground gases are identified on site. Incorporation of gas protection measures could mitigate the risk of harm.
	Soft Landscaping	Root Uptake	Low	Mild	**Low** Private gardens, soft landscaping and public open space may be proposed.

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Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
	Adjacent land users	Inhalation	Low	Medium	**Moderate to Low** It is considered to be unlikely and a low probability that adjacent land users will come into contact with ground gases and vapours originating on site. Should ground gases and vapours be identified on-site service routes should be constructed in line with best practice to prevent the creation of preferential pathways off site.
Naturally occurring aggressive ground conditions	End users	Direct contact and inhalation / ingestion of soil derived dust	Unlikely	Minor	**Very Low** No naturally occurring potential sources which could harm human health have been identified.
	Soft Landscaping	Root Uptake	Unlikely	Minor	**Very Low** Gardens, soft landscaping and public open space are proposed but are unlikely to be affected by naturally occurring aggressive ground conditions. Current vegetation around the site appeared in good condition.
	Adjacent land users	Direct contact	Unlikely	Minor	**Very Low** No potential sources which could harm human health have been identified.
	Water supply pipes	Direct contact	Unlikely	Minor	**Very Low** Utilities will be constructed in/through Made Ground soils (if present). However the consequence is anticipated to be minor subject to appropriate design.

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Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
	Buildings and infrastructure	Direct contact	Likely	Minor	Low Foundations and utilities will be constructed in/through Made Ground soils (if present). However the consequence is anticipated to be minor subject to appropriate design.
	Groundwater	Vertical migration	Likely	Minor	Low Shallow groundwater (<5m bgl) may be present at the site within the River Terrace Deposits, although in places this may represent perched water due to the more cohesive bands beneath the site. The stratum beneath the site is classified as a Principal Aquifer and Secondary 'A' Aquifer. The site is located outside of any SPZ.
	Surface Water	Lateral Migration	Low	Mild	Low An unknown feature was identified 58m from the site boundary. As such where contaminants are identified within the shallow soils on the site, leaching and lateral migration of the contaminants may occur.

Table 1.0 Plausible pollutant linkages & qualitative risk assessment

The PRA and CSM developed from the information gathered as part of the desk study process had identified plausible potential pollutant linkages that exist in relation to the proposed redevelopment of the site. Given that the site was a known landfill, there could be liabilities associated with ownership of the land irrespective of any planned development.

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2.1 Previous Investigation

Based on the findings of the desk study, a baseline ground investigation was undertaken in November 2017 and reported in January 2018, together with preliminary soakage testing in April 2018. The full reports are presented in Appendix G and H and a summary of the findings are as follows:

The ground conditions comprised Made Ground in the form of landfilled material, which was encountered within all locations to depths of between 1.80m and 2.70m bgl. The landfill material was of mixed composition comprising mainly sandy clay and silty sand with brick, glass (bottles), plastics, metal, china, ash, coal, concrete, black organic matter, shoes, fabric, timber, car tyres, and flint gravel. An organic odour was generally noted from the fill material. However, a hydrocarbon malodour was noted within TP2 at depths of between 1.00m and 2.50m bgl. It should also be noted that TP6 refused at a depth of 2.00m bgl upon a brick floor (possible former kiln floor).

Underlying the Made Ground, River Terrace Deposits were encountered within all locations with the exception of TP6 and generally comprised medium dense brown sand with rare flint gravel becoming sand and gravel at depth, brown and grey friable clay and stiff grey silty clay with black organic matter and brown very clayey sand. With the exception of BH1, all exploratory holes terminated within this stratum.

Underlying the River Terrace Deposits, the chalk was encountered within BH1 only at a depth of 6.50m and proven to a depth of 15.00m bgl (maximum depth of the investigation) and was generally recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix.

A return groundwater monitoring visit was undertaken on 7th December 2017. A dual monitoring well was installed within BH1, with a well installed at a depth of 2.0m bgl (MW1a) and a further well at a depth of 15m bgl (MW1b). MW1a was recorded as being dry, whilst standing water was recorded in MW1b at a depth of 6.64m bgl.

A single ground gas monitoring visit was undertaken to provide initial information regarding ground gases. A dual monitoring well was installed within BH1 which comprised a 2.0m bgl well (MW1a) installed to monitor for gases within the Made Ground, and a 15.0m bgl well (MW1b) installed to monitor for gases within the natural underlying soils. During the monitoring visit on 7th December 2017, no Methane was detected, Carbon Dioxide concentrations ranged between 0.1-3.5% v/v and Oxygen concentrations ranged between 20.6-16.3% v/v. Flow ranged between 0.0 to -2.3 l/hr and VOC concentrations ranged between 0.1-4.2ppm. Pressure was recorded at 1013mb.

The results of the return monitoring visit revealed no abnormal ground gas concentrations however, the previously undertaken long term spot monitoring (undertaken on behalf of Arun District Council) identified locally elevated concentrations of Methane and Carbon Dioxide. It was recommended that additional monitoring wells be installed across the site with continuous ground gas monitoring undertaken to provide a more robust assessment of the ground gas regime within the landfill.

Chemical analysis was undertaken with the statistical analysis has found that for all of the determinands tested the null hypothesis can be rejected with >95% confidence with the exception of Arsenic, Lead, Nickel, Vanadium and Benzo(a)pryene.

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Additional testing was undertaken for Asbestos and speciated TPH, no asbestos was identified within the samples tested whilst the results of the speciated TPH were within normal limits.

It was recommended that a more detailed investigation be undertaken to provide a more robust assessment for the site. It was noted that based on the initial findings, remediation was likely to be required in the form of a cover system and/or possible soil stabilisation techniques.

2.2 Scope of Works for Further Investigation

In summary, the following scope of works for the intrusive investigation was agreed with the Client and Arun District Council to provide a more robust assessment of the geotechnical and geo-environmental aspects relating to the proposed development:

- Clearance of intrusive locations by a specialist contractor using ground penetrating radar and a cable avoidance tool.
- Construction of 10 No. cable percussion boreholes to depths of between 10m and 15m bgl or maximum achievable depth with regular in-situ testing and sampling.
- Construction of 9 No. trial pits to depths of between 2.00m and 4.60m bgl.
- Full scale soakage testing to BRE Digest 365 within three of the trial pits. These were to be carried out within the natural soils only.
- The attendance of a geo-environmental engineer to set out and supervise the intrusive investigation.
- Three spot ground gas and groundwater monitoring visits.
- Continuous ground gas monitoring at ten locations over a three week period, monitoring one of each of the wells per location. Results would then be available through a web portal during the monitoring period, with the information from each location being connected to the cloud.
- Construction of 24 No. dynamic cone penetrometer tests within locations of proposed roadways to obtain CBR parameters.
- Construction of 12 truck mounted in-situ CBR tests within locations of proposed roadways.
- Geochemical laboratory testing for a suite of commonly occurring brownfield contaminants.
- Geotechnical laboratory testing to support the geotechnical assessment for foundations, roads, ground floor construction and buried concrete design.
- The preparation of a ground investigation report.

2.3 Investigation Strategy

The investigative positions were located to gain a broad coverage of the site, to target potential sources and proposed structures. Tables 2.1 and 2.2 summarise the strategy of the environmental and geotechnical investigations.

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Environmental Area of Concern	Investigation	Positions
General background chemical quality of the Made Ground and near surface soils	Cable percussion boreholes and trial pits located across the site, coupled with sampling and laboratory analysis.	ALL
Landfill Material	Cable percussion boreholes and trial pits located across the site, coupled with sampling and laboratory analysis.	ALL
Ground Gases	Cable percussion boreholes with ground gas monitoring wells installed.	BH101-BH110

Table 2.1 Summary of Environmental Investigation Strategy

Geotechnical Area of Concern	Investigation	Positions
Lateral changes in ground conditions	Cable percussive boreholes located across the site, coupled with sampling and laboratory analysis	BH101-BH110
Significant depths of Made Ground	Cable percussive boreholes located across the site	BH101-BH110
Aggressive chemical ground conditions (sulphates)	Cable percussive boreholes located across the site, coupled with sampling and laboratory analysis	BH101-BH110
Deep Foundations (Pile design parameters)	Cable percussion boreholes to a depth of between 10 and 15m with associated laboratory analysis	BH101-BH110
Drainage Strategy	Trial pit with full scale soakage test in natural soils.	TP201, TP205, TP209
Pavement Design	In-situ CBRs, DCP's and laboratory analyses undertaken along the proposed estate road	DCP 1-23 CBR 2-21

Table 2.2 Summary of Geotechnical Investigation Strategy

Based on the above scope of works, it was possible to make an appraisal for each area of environmental and geotechnical concerns identified as part of the Geo-Environmental Assessment Report.

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3.0 ENCOUNTERED CONDITIONS

A factual record of the conditions encountered during the physical investigation of the site is presented in the following sections.

For further details of encountered ground conditions, reference should be made to the engineer's logs presented in Appendix A, the geotechnical testing results in Appendix B, the contamination testing results in Appendix C, the ground gas and groundwater monitoring results within Appendix D with the continuous ground gas monitoring data presented in Appendix E, the desk study report in Appendix F and the initial baseline report and soakage testing report in Appendix G and H respectively.

The physical ground investigation works for the second phase of investigation were undertaken between 13th August and 24th August 2018. The contamination and geotechnical testing was undertaken by UKAS accredited laboratories.

Unless stated otherwise, all depths are reported as metres below ground level (m bgl).

3.1 Ground Conditions

According to the British Geological Survey, the ground conditions were anticipated to comprise Made Ground overlying River Terrace Deposits in turn overlying the Lewes Nodular Chalk Formation.

Within BH103-BH108 and BH110 and TP201-TP203, TP205, TP207-TP209 a capping of clayey sandy silt and silty sandy clay with brick and concrete fragments was encountered to depths of between 0.60m to 1.02m bgl.

Beneath the turf, hardstanding or capping material Made Ground, comprising landfilled material was encountered within all locations to depths of between 1.70m and 2.90m bgl and was of a mixed composition comprising sandy clay and silty sand with brick, glass, plastics, metal, china, ash, coal, concrete, black organic matter, shoes, fabric, timber, and flint gravel.

Underlying the Made Ground, River Terrace Deposits were encountered within all locations with the exception of TP207 to depths of between 2.0m and 7.0m bgl and generally comprised medium dense orange brown sandy clay becoming orange brown sand with flint gravel with slight traces of chalk at depth. Organic malodours were noted within BH105 only, at a depth of between 6.50m and 7.00m bgl. TP207 was advanced within the Made Ground only, which was terminated prematurely at a depth of 2.2mbgl.

Underlying the River Terrace Deposits, the Lewes Nodular Chalk was encountered within the cable percussion boreholes to depths of between 10.00m and 15.00m bgl (maximum depth of the investigation) and was generally recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, medium, high and very high density, off-white within an off-white matrix. For further details of the ground conditions encountered, reference should be made to the information presented in Appendix A, which includes four sections across the site.

For further details, please refer to the intrusive logs within Appendix A.

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3.2 Groundwater

Groundwater was encountered within the boreholes with strike depths between 7.50m and 9.00m bgl, after twenty minutes groundwater was standing at depths of between 7.00m and 9.00m bgl. During the return monitoring visits on 28th August 2018 and 19th October 2018, groundwater depths were recorded within the range of 6.00m and 7.10m bgl.

Changes in groundwater depth and/or level do occur for a number of reasons including seasonal effects and variations in drainage. Such fluctuations may only be recorded by the measurement of the groundwater level within a standpipe or piezometer.

The recorded groundwater levels during the intrusive investigation and return monitoring are summarised in Table 3.1, below.

Location	Water Strike Depth (m bgl)	Recorded Groundwater Monitoring Depth (28/08/18) (m bgl)	Recorded Groundwater Monitoring Depth (19/10/18) (m bgl)
BH101	7.50	7.00	6.80
BH102	7.50	6.33	6.40
BH103	9.00	6.60	6.43
BH104	9.00	6.55	6.65
BH105	7.50	6.80	6.90
BH106	7.50	6.00	5.95
BH107	7.50	6.48	6.60
BH108	7.50	7.10	7.00
BH109	7.50	6.30	6.44
BH110	9.00	6.22	6.15

Table 3.1 Summary of Groundwater Levels

3.3 Obstructions

No obstructions were encountered during the intrusive investigation although the previous phase of investigation recorded an obstruction at 2.00m bgl within TP6, which could possibly represent the floor to the former brick kiln. Given the highly heterogeneous nature of the landfilled material the presence of below ground obstructions elsewhere on site cannot be discounted.

3.4 Geochemical Analysis

In order to assess the general chemical quality of the strata encountered, samples of soils recovered from the exploratory holes were submitted for analysis of a range of potential contaminants selected on the basis of the findings of the Contamination Strategy Report and supported by the joint National House Building Council (NHBC), Environment Agency (EA) and Chartered Institute of Environmental Health (CIEH) publication, '*Guidance for the Safe Development of Housing on Land Affected by Contamination*' (2008).

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Soil samples were placed into plastic containers for general inorganic analysis and into amber jars for organic analysis. Samples were stored in temperature controlled conditions from sampling until receipt at the laboratory from which time sample preparation and storage was determined by testing requirements and in line with the laboratory's protocols.

Thirty-four soil samples were submitted for analysis of a comprehensive suite of commonly occurring contaminants based upon determinants listed within the above guidance, augmented with speciated hydrocarbon analysis (CWG) and asbestos screening. Nine of these tests were used for leachate testing.

Ten additional samples were analysed for Volatile Organic Compounds (VOCs), Semi Volatile Organic Compounds (SVOCs), Polychlorinated Biphenyl (PCBs) and Ammoniacal Nitrogen. A further ten samples were analysed for Waste Acceptance Criteria tests.

Groundwater samples were taken for analysis during the monitoring visit, all waters taken were analysed for a comprehensive suite of commonly occurring contaminants, VOCs, SVOCs, Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), electrical conductivity, suspended solids and PCBs.

3.5 Geotechnical Testing

Soil samples were selected for geotechnical testing depending on the proposed end use of the given area. The main elements of geotechnical testing were:

- Strength/stiffness profiling (in-situ and laboratory testing)
- Soil classification
- Aggressive ground conditions
- California Bearing Ratio

The results of the geotechnical testing are summarised in Tables 3.2-3.4 below:

Characteristic/Parameter	Laboratory Value
SPT N values	3-24
pH	7.1-11.0
Water soluble sulphate (g/l)	0.02-1.42

Table 3.2 Geotechnical Test Results for Made Ground

Characteristic/Parameter	Laboratory Value
SPT N values	6 - 30
Grading Gravel% Sand% Clay/Silt/%	 0.3 - 53.0 12.8 - 81.6 11.0 - 86.9
Plasticity Index (%)	6 - 21
Modified Plasticity Index (%)	4.38 - 20.16

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Characteristic/Parameter	Laboratory Value
Volume Change Potential (NHBC)	Non-Shrinkable to Medium VCP
pH	7.53 - 7.74
Water soluble sulphate (g/ℓ)	0.09 - 0.47

Table 3.3 Geotechnical Test Results for River Terrace Deposits

Characteristic/Parameter	Laboratory Value
SPT N values	11 - 53
Saturation Moisture Content (%)	13 - 24
Bulk Density (Mg/m^3)	2.02 - 2.23
Dry Density (Mg/m^3)	1.63 - 2.01
pH	7.49 - 7.68
Water soluble sulphate (g/ℓ)	0.06 - 0.22

Table 3.4 Geotechnical test Results for Chalk

3.6 Ground Gases

Two dual purpose groundwater/ground gas monitoring wells were installed within each of the cable percussion boreholes to depths of 2.0mbgl and 15.0mbgl respectively. To assess potential risk posed by ground gases, continuous monitoring within the shallower standpipes within each of the boreholes (installed within the landfill area) was undertaken, together with a single round of spot monitoring within all of the standpipes, both shallow and deep. The results are discussed further in Section 5.1 and are presented within Appendix D and E.

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4.0 ENGINEERING CONSIDERATIONS

Subsequent to intrusive investigation of the site and receipt of the laboratory results, the following interpretative assessments have been made with respect to engineering considerations.

4.1 Foundations

Based on the ground conditions encountered within the trial holes, it is considered that traditional strip or pad foundations are unsuitable for the proposed development. It is recommended that an alternative foundation solution such as piles be considered.

4.2 Piled Foundations

The construction of a piled foundation is a specialist job and the advice of a reputable contractor familiar with the type of ground and groundwater conditions encountered on this site should be sought prior to finalising the design. The actual working load for proposed piles will depend on the particular type of pile and method of installation adopted.

The site overlies a Secondary A Aquifer and a Principal Aquifer and as such the foundation solution adopted should not introduce migration pathways for potential mobile contaminants from the overlying landfill materials. The Environment Agency have a preference for CFA piles undertaken within geology designated as an aquifer, as this method prevents the formation of contamination pathways into protected water resources due to the pile shaft being supported by the flight auger throughout formation and the pile concrete being pumped in from the base of the pile bore as the flight auger is retracted, thereby forming an intimate interface between the pile shaft and surrounding ground. Should a piled foundation solution be adopted on site, it is possible that the Environment Agency will require a Foundation Works Risk Assessment to be undertaken prior to any foundation works being undertaken. Liaison with the Environment Agency will be required in this respect.

Piles should be taken at least five times the pile diameter into the founding strata. The construction of piles on the site could create vertical migration pathways and as such any piling solution on this site should take due account of the contamination assessment and the findings thereof.

Preliminary load capacities calculated for varying diameters of CFA piles taken into the chalk are given on the table below. The design should be used for preliminary purposes only as the actual working load is dependent on the type of pile and method of installation.

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Pile Type	Diameter (mm)	Depth (m bgl)	Working Load (kN)
CFA	200	7	60
	300	7	120
	450	7	250
CFA	200	10	90
	300	10	170
	450	10	330

Table 4.1 Preliminary Pile Design

These working loads have been calculated on the basis of the ground and groundwater conditions encountered within the borehole and assumes the following parameters:

- The contribution to the working load on the upper 3.00m has been ignored.
- A factor of safety of 3 was used on the skin friction and end bearing working loads.

The bearing values given are applicable to single vertically loaded piles. Where groups of piles are to be constructed, the bearing value of each individual pile should be reduced by a factor of 0.8 and a calculation made to check for the factor of safety against block failure.

The piling contractor should be aware that the boreholes were cased to depths of up to 15.00mbgl to prevent collapse as drilling progressed.

4.3 Ground Floor Slabs

Due to the variable depth of Made Ground, together with the recommendations in relation to ground gas protection (see section 5.1) suspended ground floor slabs must be adopted throughout the development.

4.4 Excavations

Shallow and deeper longer excavations within the Made Ground are likely to be prone to instability and potential collapse. Such excavations will require some form or temporary support such as shoring or battering back to a safe angle of repose.

All excavations taken below the groundwater table will require full support and dewatering.

The need for man entry into excavations should where possible be designed out. However, where this cannot be achieved it should only be permitted in accordance with an approved risk assessment, method statement and safe system of work.

4.5 Soakaways

Deep full scale soakage tests in general accordance with BRE365 were undertaken within TP201, TP205 and TP209, which were located within the area of a proposed bespoke constructed crated soakaway, designed to discharge storm water into the natural soils only. Soakage testing was undertaken within the more granular parts of the River Terrace Deposits with the Made Ground

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removed and the sides of the pits banked to maintain stability. The results of the soakage testing gave rates in the range of $5.5x10^{-5}$ m/s and $7.7x10^{-6}$ m/s. A table of the encountered conditions (TP201,TP205 and TP209) is given below:-

Top m bg) (m AOD)	Base m bgl (m AOD)	Generalised Description	Groundwater encountered
0.00 (0.00)	0.12 - 0.15 (7.79 - 8.24)	**Topsoil/Made Ground:** Grass over brown gravelly clayey sandy silt.	No
0.12 - 0.15 (7.79 - 8.24)	0.65 – 1.02 (7.21 – 7.54)	**Made Ground:** Brown sandy clayey silt with brick, flint gravel, concrete and plastic.	No
0.65 -1.02 (7.21 – 7.54)	2.12 – 2.70 (5.21 – 6.24)	**Made Ground:** Dark grey to black clayey sand and sandy clay with ash, glass bottles, plastic, metal fragments, clay tile brick and concrete. Occasional fabric and rubber.	No
2.12 – 2.70 (5.21 – 6.24)	3.90 – 4.40 (3.78 – 4.16)	**River Terrace Deposits (Clay):** Orange brown very sandy silty CLAY.	No
3.90 – 4.40 (3.78 – 4.16)	4.40+ – 4.60+ (3.51+ – 3.86+)	**River Terrace Deposits (Sand and Gravel):** Orange brown slightly gravelly sand with occasional fine chalk fragments.	No

Table 4.5 Summary of Ground Conditions at the location of the soakaway (TP201, TP205 and TP209)

For soakaways to function effectively they must be taken into the more gravelly parts of the River Terrace Deposits.

It would be prudent to design drainage pipes and manholes to accommodate potential settlements within the Made Ground, i.e. by increasing the falls in pipework etc.

4.6 Pavement Design

The approximate locations of the tests, together with the test results and trial hole logs are attached. DCP tests were undertaken at 24 locations along the line of the proposed estate road. For correlation and comparative purposes, in-situ CBR tests were undertake at 13 locations and Laboratory Soaked CBR's were undertaken on bulk samples taken from the in-situ CBR Locations.

CBR Location	Average CBR result between 0.7mbgl and 0.9m bgl from DCP tests. (%)	Average CBR result at a depth of 0.8mbgl from in-situ CBR test. (%)	Average CBR Result from Saturated BS Light Laboratory Test. Depth at 0.8mbgl. (%)
1	2		
2	3	2	12.7*

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3	12		
4	5	2.1	8.25*
5	5		
6	6	8	9.8*
7	12	10	15.0*
8	26		
9	2		
10	6	9.8	12.4*
11	26		
12	2	3.5	16.0
13	6		
14	77	>30	17.5*
15	4	2.1	9.8
16	1		
17	30	2.4	18.2*
18	2		
19	25	13	10.0
20	10	12	8.5*
21	14	2.4	10.3*
22	33		
23	28		
24	7	3.3	6.8*

*Average not stated on certificate, as values from the top and base need to be +- 10% of the mean value.

The Made Ground encountered across the site was noted to be of mixed composition. The engineering characteristics of such soils are variable and unpredictable. It would be prudent to assume the material to be deemed frost susceptible throughout, thus a minimum pavement thickness of 450mm would be appropriate.

Any hard spots in the formation level such as old foundations may induce reflective cracking in the pavement and allowance should be made for removing any slabs or other hard spots etc. that may be present.

It is understood that in order to accommodate the potential settlements within the Made Ground a geogrid system will be installed to support the construction and the design is based on a conservative CBR of 1% to take into account potential differential settlements and significant variation in engineering properties of the sub-grade.

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It would be prudent to design drainage pipes and manholes to accommodate potential settlements within the Made Ground, i.e. by increasing the falls in pipework etc.

4.7 Sub-Surface Concrete

Forty pH and Sulphate tests were undertaken on samples of the Made Ground. The results for the Made Ground corresponded to design class DS-2 as defined within the BRE Special Digest 1 (2005). The pH analyses indicate the ACEC class to be AC-2. It is recommended that a design class of DS-2 and an ACEC class of AC-1s be applied to all sub-surface concrete within this stratum.

Fifteen pH and Sulphate tests were undertaken on samples of the River Terrace Deposits. The results for the River Terrace Deposits corresponded to design class DS-1 as defined within the BRE Special Digest 1 (2005). The pH analyses indicate the ACEC class to be AC-1. It is recommended that a design class of DS-1 and an ACEC class of AC-1 be applied to all sub-surface concrete within this stratum.

Twenty pH and Sulphate tests were undertaken on samples of the Chalk. The results for the Chalk corresponded to design class DS-1 as defined within the BRE Special Digest 1 (2005). The pH analyses indicate the ACEC class to be AC-1. It is recommended that a design class of DS-1 and an ACEC class of AC-1 be applied to all sub-surface concrete within this stratum.

It is recommended that the advice of this publication be taken for the design and specification of all sub-surface concrete within these strata.

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5.0 ENVIRONMENTAL CONSIDERATIONS

A Generic Quantitative Risk Assessment (GQRA) incorporating the results of the previous desk study and ground investigation was undertaken in accordance with CLR11, the findings of which are presented in the following sections.

5.1 Ground Gases

The ground investigation works identified the presence of a thickness of Made Ground/infilled ground on the site associated with the former landfill identified on the site. The Made Ground within the former landfilled area was found to comprise a thin capping layer of clayey sandy silt and silty sandy clay with brick and concrete fragments, with a mixture of brick, glass, plastics, metal, china, ash, coal, concrete, black organic matter, shoes, fabric, timber, and flint gravel below. This fill material was encountered to depths of between 1.70m and 2.90m bgl. Information reviewed as part of the desk study indicated that the waste body did not benefit from any in-ground engineering or barriers and thus would presumably be a 'dilute and disperse' type body.

In addition, if Made Ground identified on the site contains a significant amount of organic matter or organic contamination, this could have the potential to represent a further source of ground gases/vapours in addition to degrading materials.

As such a period of gas monitoring was recommended, this was to comprise a combination of continuous and 'spot' ground gas monitoring. As part of the intrusive investigation works completed by Geo-Environmental, standpipes were installed on site and ground gas monitoring was undertaken to assess the potential risk posed to end users of the proposed development.

Ten cable percussive boreholes were installed with two monitoring standpipes within each location (BH101 through to BH110). These locations were selected to provide general coverage of the site, whilst ensuring ongoing access for monitoring. The location of these monitoring standpipes is presented in Figure 2. Spot ground gas monitoring was undertaken within all of the installed standpipes on one single occasion.

Continuous ground gas monitoring was undertaken within ten gas monitoring standpipes, BH101 through to BH110, for a period of 3 weeks from 26th September 2018 to 17th October 2018, with the locations being sited within the former landfill area. This monitoring was undertaken during the winter months to try and target periods of low and/or falling pressures to target a worst case scenario. The continuous ground gas monitors utilised were Ambisense monitors which provided continuous data relating to both gas concentration and gas flow rates.

Spot Monitoring

The spot monitoring undertaken to date has detected methane at concentrations in the range 0-8.5%, carbon dioxide in the range 0-19.4%, and oxygen in the range 0-19.4%. VOCs have been detected up to 3.2ppm. Borehole flow rates were only detected within two of the monitoring standpipes, BH101d and BH102s and ranged from 0.9 to 3.0l/hr. Atmospheric pressure was recorded as being between 1014-1017mb during the visit undertaken to date.

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The recorded gas flow data has also been compared with monitored groundwater levels within the boreholes. In general it was found that groundwater levels did not particularly fluctuate within BH101 or BH102, and therefore groundwater is not thought to have an impact on gas flows within these boreholes.

The ground gas 'spot' monitoring data along with an assessment summary are presented within Appendix D.

Continuous Monitoring

Ambisense continuous ground gas monitors were installed within boreholes, BH101-BH110 on the 26th September 2018, to provide coverage of the landfill gas source as well as to target likely gas migration pathways. The location of these continuous monitoring points are shown in Figure 2. The continuous monitors were set up to record gas concentrations (methane, carbon dioxide, oxygen, carbon monoxide, hydrogen sulphide and in selected locations VOC's), gas flows (peak and steady state), along with atmospheric pressure at hourly intervals over a 3 week period.

Table 5.1 below summarises the minimum and maximum gas concentrations encountered during the monitoring period. Charts 1-10, presented in Appendix E, display the gas concentrations encountered throughout the monitoring period within each borehole along with the atmospheric pressure recorded.

Location	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Carbon Monoxide (ppm)		Hydrogen Sulphide (ppm)		VOC (ppm)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
BH101	0	**6.53**	7.22	**25.2**	**0.06**	17.6	0	5.99	0	0.1	-	-
BH102	0	2.43	6.37	20.04	1.73	15.58	1.57	**19.43**	0.3	**3.89**	0	**1.7**
BH103	0	0	1.22	11	7.86	14.93	0	1.73	0	0.05	-	-
BH104	0	0.02	0.57	5.7	13.7	17.87	0.01	1.53	0	0.07	-	-
BH105	0.02	0.95	5.05	15.89	4.33	17.63	0.65	13.48	0.06	2.93	0	1.55
BH106	0.01	0.1	0.52	8.36	12.5	18.53	0	0.86	0	0	-	-
BH107	0.01	0.35	1.41	6.17	14.7	18.48	0.02	6.63	0.03	0.76	0	0
BH108	0	0.8	4.38	10.07	11.8	16.54	0.69	8.9	0.06	3.37	0	0
BH109	0	0.03	0.96	11.73	3.62	16.23	0.21	1.83	0	0	-	-
BH110	0	0.18	3.23	20.55	3.02	18.53	1.02	5.56	0	2.35	0	1.33

Table 5.1 Summary of minimum and maximum gas concentrations through continuous monitoring

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Table 5.2 below summarises the gas flow rates encountered during the monitoring period. Charts 11-20, presented in Appendix E, display the gas flow rates encountered throughout the monitoring period for each borehole. For further reference the complete monitoring data collected from the continuous monitors is also presented within Appendix E.

Location	Peak Flow (l/hr)		Steady State Flow (l/hr)	
	Min	Max	Min	Max
BH101	0	0.56	-0.11	0.03
BH102	0	0.63	-0.15	0.05
BH103	0	0.34	-0.06	0.01
BH104	0	1.19	-0.12	0.08
BH105	0	0.36	-0.1	-0.02
BH106	0	0.97	-0.06	0.24
BH107	0	0.51	-0.06	0.05
BH108	0	**1.24**	-0.09	0.19
BH109	0	0.29	-0.07	0.05
BH110	0	0.97	-0.15	**0.33**

Table 5.2 Summary of minimum and maximum flow rates through continuous monitoring

The continuous gas monitoring was undertaken during periods of low and falling pressure in order to target a worst case scenario. The continuous monitoring identified gas concentrations for methane in the range 0%-6.53%, carbon dioxide in the range 0.52%-25.2% and oxygen in the range 0.06%-18.53%. Carbon monoxide was detected in the range 0-19.43ppm, hydrogen sulphide in the range 0-3.89ppm and VOC's in the range 0-1.7ppm.

Positive gas flow rates, and marginally negative gas flow rates were identified within all of the monitoring locations during the continuous monitoring. A maximum flow rate of 1.24l/hr was detected within BH108.

A review of the occurrences of the peak concentrations of gas recorded during the continuous monitoring period has shown that these occurrences, in general, coincided with periods of low or falling atmospheric pressure.

Ground Gas Risk Assessment

A Tier 1 Ground Gas Risk Assessment (GGRA) incorporating the results of the desk study and ground investigation has been undertaken as part of this assessment.

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Recommendations on acceptable gas concentrations recorded in the ground beneath or adjacent to buildings are given in a variety of publications. For the purpose of this assessment, the results have been evaluated in terms of British Standard BS8485, 'Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings' (2015); CIRIA C665, 'Assessing risks posed by hazardous ground gases to buildings' (2007) and NHBC report 10627-R01(04) 'Guidance on evaluation of development proposals where methane and carbon dioxide are present' (2007).

Gas screening values (GSV) have been calculated for both methane and carbon dioxide in accordance with the recommendations contained with C665. The highest reported positive gas flow rate was recorded during the spot monitoring, 3.0l/hr. The worst case, i.e. the highest concentration value, of recorded methane and carbon dioxide have been used. Therefore a value of 8.5% v/v has been utilised for methane and a value of 25.2% v/v has been used for carbon dioxide.

Using these worst case values a GSV of 0.255 has been calculated for methane and a GSV of 0.756 has been calculated for carbon dioxide. This would classify the site as representative of Characteristic Situation 3 (BS and CIRIA) and Amber 2 (NHBC), across the site. The site only just falls within the classification for Characteristic Situation 3 based on the GSV calculated for carbon dioxide being greater than 0.7.

The GSV's have been calculated using the worst case results collected from both the 'spot' and the continuous monitoring undertaken, and are therefore considered to be conservative. If the results of the continuous monitoring are treated in isolation then a GSV for carbon dioxide calculated based on the maximum concentration (25.2%), and the highest flow rate (1.24l/hr) recorded during this monitoring period would be 0.312 for carbon dioxide.

This initial assessment has been feed back into the conceptual site model. An onsite source of ground gas has been established, a former landfill site, and residential development is proposed across the site. The ground conditions encountered on site comprise a combination of clays, sands and gravels. These ground conditions do not represent continuous migration pathways although they will contain isolated migration pathways for ground gases. The Made Ground encountered during the intrusive investigation works comprised clayey sandy silt and silty sandy clay with brick and concrete fragments, with a mix of brick, glass, plastics, metal, china, ash, coal, concrete, black organic matter, shoes, fabric, timber, and flint gravel below. This type of material has a limited gassing potential and given the likely age of the landfill the gassing potential of this material will be reduced further.

Given the above assessment it is therefore considered representative of the sites gassing conditions to utilised the GSV calculated for carbon dioxide solely from the continuous gas monitoring, therefore classifying the site as Characteristic Situation 2 and Amber 2.

Ground Gas vs. Human Health

Based on the above assessment and the gas monitoring undertaken it is considered that the site's gassing regime, based on both hazardous gas flow and limiting concentrations, to be representative of Characteristic Situation 2 (BS and CIRIA) and Amber 2 (NHBC), across the site. It was not deemed suitable to zone the site due to the fluctuations in recorded gas concentrations, gas flows and the

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variable nature of the underlying ground conditions. It is therefore recommended that gas protection measures are installed within all properties across the site in line with Amber 2, as set out by the NHBC.

Protection measures for an Amber 2 classification would comprise the following:

- Suspended ground floor slabs;
- Passively ventilated sub-floor void via air bricks (minimum 150mm clear void height across the footprint) with sufficient ventilation to allow at least one complete volume change in any given 24hr period. Air bricks will need to be positioned above external ground level in the outer skin such that they have a clear and uninterrupted flow of air across them. This has a direct bearing of construction and external levels where level thresholds are required;
- Cross ventilation through sleeper walls to prevent the formation of low flow zones within the sub-floor void;
- Minimum penetration of the slab by services and sealing of all penetrations and joints using 'top hats' or bespoke/site formed top hat seals;
- Installation of a gas resistant membrane laid across the floor with all joints and service penetrations sealed to form a single integral membrane. For Amber 2 conditions, joints are required to be welded. All joints should comprise a minimum 150mm overlap. It is recommended that membrane installation is undertaken by a suitability competent (e.g. NVQ qualified) installer;
- Use of an appropriate gas resistant DPC across the cavity with lap on the inner skin wall to facilitate joining to the floor membrane.
- Inspection and verification of installed measures.

It should be noted that membranes made from recycled plastics are not acceptable as gas protection membranes and the installer must check to confirm that the membrane is not made from recycled plastics.

The specification for gas protection measures utilised should be detailed within an RMS for the site and validation of gas protection measures undertaken by the Environmental Consultant or other appropriate independent party. Inspection of the protection measures should include key stages of the build process for the proposed structures with validation undertaken on a plot by plot basis.

Ground Gas vs. Soft Landscaping

A source of ground gases has been identified on the subject site itself associated with an historic landfill. Concentrations of methane up to 8.5% and concentrations of carbon dioxide up to 25.2% have been identified beneath the site, with borehole flow rates of up to 3l/hr being identified. However, no visible evidence or harm to plants was observed.

Ground Gas vs. Adjacent Land Users

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The ground gas monitoring undertaken on the site to date has identified the presence of ground gases at concentrations likely to require remediation measures with respect to human health and potentially soft landscaping. As such it is considered that a potential pollutant linkages exist.

Therefore due to the identified presence of deep Made Ground/landfill material coupled with the results of the gas monitoring, any service trenches constructed as part of the development on site will need to incorporate gas migration mitigation such as a 1m thick concrete baffle, or similar, so as not to create a pathway for ground gases to migrate off-site to adjoining sites and users.

5.2 Soil Contamination vs. End Users

Soil samples were submitted to a UKAS accredited laboratory for general chemical screening including common zootoxic and phytotoxic elements and asbestos screening. In addition, samples were analysed for VOCs, SVOCs, PCBs and Ammoniacal Nitrogen. Soils were also scheduled for waste acceptance criteria tests.

The presence of a possible contaminant does not necessarily imply that a site or area is contaminated or that there is any unacceptable risk to human health. A Preliminary Quantitative Risk Assessment has been undertaken in accordance with CLR11, in order to evaluate any unacceptable risks posed to human health with respect to the proposed redevelopment. It should be noted that this assessment is protective of the chronic long-term effects of contaminants, which is also likely to be protective of any possible immediate acute effects.

A quantitative risk assessment has been undertaken by comparing the results of the laboratory chemical testing of shallow soils against Generic Assessment Criteria (GAC) and Site Specific Assessment Criteria (SSAC) generated using the Contaminated Land Exposure Assessment (CLEA) model v1.06 published by the Environment Agency, or against the Category 4 Screening Levels (C4SL) published by DEFRA. Although the C4SL's were released for Part 2a use, the associated policy companion document for the C4SL's indicated that they may also be used for planning. Although the C4SL's represent a marginally higher risk level than the GAC's (low risk rather than minimal risk) it is considered that the risk levels remain very low. Therefore, the final C4SL's are considered to be suitable to assess soils under the planning regime.

The assumptions made as part of the CLEA v1.06 calculations for the various likely land uses are presented in Table 5.3. Overleaf:

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	Assumptions			Comments
Land Use	Residential with home grown produce			Commensurate with parts of the proposed development.
Receptor	Female (res)			A conservative assumption using the most sensitive possible receptor.
Receptor Age	Age Classes 1 to 6			Critical receptor age from birth to age 6.
Building	Small Terraced House			A conservative assumption of the proposed development (terrace houses).
Soil Type	Silt loam	pH 8	SOM 6.04%	Based on an average of the chemical laboratory results.
Exposure Pathways	Oral	Direct soil & dust ingestion		Default setting for land use.
	Dermal	Indoor & outdoor		Default setting for land use.
	Inhalation	Indoor & outdoor dust & vapour		Default setting for land use.
Occupancy	days/year	hours/day (indoors)	hour/day (outdoors)	Default settings for the critical receptor.
	180 - 365	19 - 23	1	

Table 5.3 Assumptions for SSAC Calculation (CLEA v1.06 Software)

Statistical analysis of the non-targeted samples within the dataset has been undertaken in accordance with guidance contained in the CIEH/CL:AIRE report '*Comparing Soil Contamination Data with a Critical Concentration*' (May 2008). If the contamination status of the soils is considered in a planning context, the null hypothesis tested by the analysis is whether the true mean concentration is equal to or greater than the critical concentration for a given determinand, with the critical concentration being the relevant SSAC or GAC (the soil screening value) for that determinand in the context of the intended end use of the site. If the analysis shows that the true mean concentration is less than the critical concentration the null hypothesis can be rejected. The guidance recommends that for the null hypothesis to be rejected the analysis should show that there is a 95% (or higher) likelihood that the true mean concentration is below the critical concentration. Where this is the case the site is considered to be acceptable for the planned end use without any necessary remedial measures. The statistical analysis summary sheets are included in Appendix C.

Residential - Private Gardens

The results of the statistical analysis undertaken on samples of the Made Ground capping layer encountered on site indicated that the null hypothesis could be rejected for all of the determinands examined with the exception of lead, as summarised in Table 5.4.

Determinand	Mean Concentration (mg/kg)	Threshold (mg/kg)	Confidence Level (%)
Lead	172.17	200	20

Table 5.4 Summary of Statistical Analysis for Existing Capping Layer

The confidence level for lead was low due to a statistical outlier, BH110 at 0.30m bgl (704mg/kg). Due to the nature of the soils, elevated concentrations cannot be ruled out within other locations across the site.

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The results of the statistical analysis undertaken on samples of the Made Ground landfill material encountered on site indicated that the null hypothesis could be rejected for all of the determinands examined with the exception of lead and arsenic, as summarised in Table 5.5.

Determinand	Mean Concentration (mg/kg)	Threshold (mg/kg)	Confidence Level (%)
Lead	432.32	200	0
Arsenic	28.62	37	79

Table 5.5 Summary of Statistical Analysis for Landfill Material

The confidence level for Arsenic was low due to a statistical outlier, TP6 at 0.50m bgl (97.4mg/kg). Due to the nature of the soils, elevated concentrations cannot be ruled out within other locations across the site. The elevated mean concentration for Lead was associated with a statistical outlier in BH102 at 1.00m (2840mg/kg). Removing the value from the dataset revealed a further statistical outlier in TP205 at 2.00m (2260mg/kg). Regardless, due to the heterogeneous nature of the material, it would not be possible to treat statistical outliers as 'hot-spots'.

Asbestos analysis was undertaken on all analysed soils. Asbestos was identified within BH110 at 0.30m bgl (chrysotile lagging), BH110 at 1.0m (chrysotile cement), BH102 at 1.0m (asbestos cement) and BH108 at 1.0m (amosite and chrysotile). In addition, potential asbestos containing material (ACMS) were visually noted within BH106 within the upper metre.

Analysis was also undertaken for speciated TPH and BTEX compounds within both the capping and the landfill material, the statistical analysis indicated the null hypothesis could be rejected for each.

Volatile Organic Compounds (VOC), Semi Volatile Organic Compounds (SVOC), Polychlorinated Biphenyl (PCB) and Ammoniacal Nitrogen analysis was undertaken on ten samples of both the capping and landfill material, the majority of the results were below or at the laboratory detection limit. Those results that were greater than the detection limit were generally only marginally above. The results that were above the detection limit were compared against Suitable 4 Use Levels (S4ULs) and Aktins ATRISK, Site Specific Assessment Criteria (SSAC) although some SVOCs and Ammoniacal Nitrogen had no available S4UL or SSAC. Slightly elevated concentrations of PCBs, VOCs and SVOCs were recorded including and Dibenz(ah)anthracene. Ammoniacal Nitrogen concentrations were generally in the range of 1.1mg/kg to 9.4mg/kg. The exceptions being two results, BH105 at 6.50m bgl (36.2mg/kg) and BH102 at 1.50m-1.95m bgl (117mg/kg). Although there were slight exceedances, the Made Ground is to be encapsulated as part of the remedial process and therefore, protect end users.

As such, it is considered that the near surface soils have been impacted by Lead, Arsenic, PCBs, SVOCs, VOCs and ACMs and remedial measures will be necessary to protect end users of the proposed properties from soil contamination within private garden and soft landscaped areas. Furthermore, the physical quality of all near surface soils was deemed unsuitable for inclusion in private gardens due to the presence of concrete, brick, and tarmacadam.

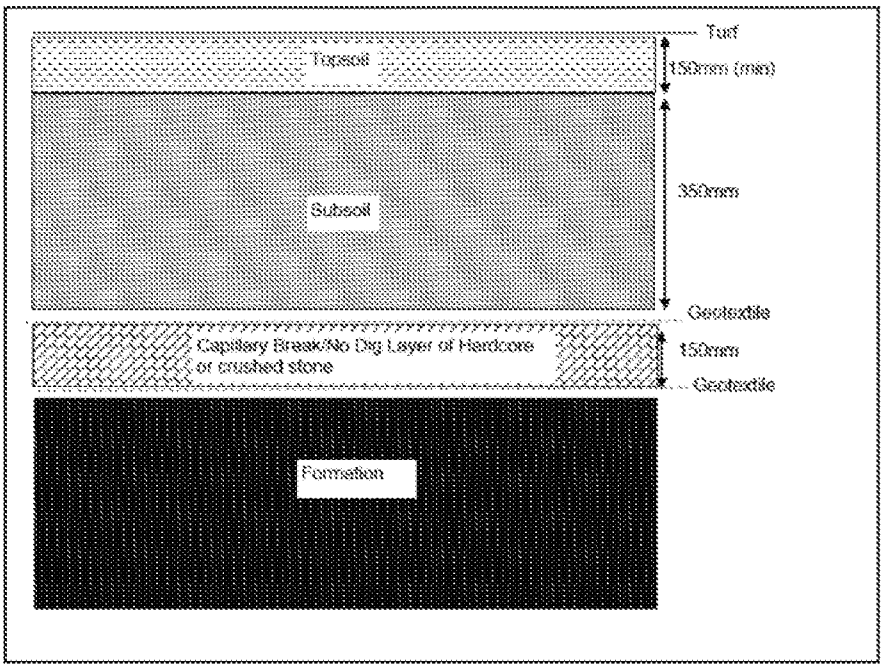
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5.2.1 Remedial Recommendations – End Users

Based on the proposed layout, all houses were to include private gardens whilst apartments were to include communal gardens. Soft landscaping around the development was also proposed.

With regard to the results of the sampling and analyses to date, where soft landscaped areas or private gardens are to be constructed directly onto the Made Ground or capping layers remedial measures are considered necessary.

In areas remote from those designated for tree root protection it is recommended that the Made Ground beneath be removed or the site raised to a depth of 650mm and be replaced with chemically and geotechnically suitable material with a high visibility marker geotextile layer such as Terram High-Vis placed at the base between the imported soils and a capillary break layer comprising crushed stone or hardcore of 150m and underlain by a further layer of Terram.



In areas designated for tree root protection, i.e under the existing tree canopies, the Topsoil should be removed carefully by the use of hand tools to a depth of 150mm and replaced with clean certified imported Topsoil.

Any imported Topsoil or Subsoil should be of suitable chemical and physical quality for the proposed end use. Certification for both sub-soil and Topsoil should include laboratory analysis for determinands known to pose a risk to human health (i.e. heavy metals, poly-aromatic hydrocarbons [PAHs], total petroleum hydrocarbons [TPH] and asbestos) as well as broadly meeting the requirements of BS3882:2015 (Topsoil).

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All remedial works should be undertaken in accordance with a regulatory approved Remedial Strategy and Verification Plan with independent validation on completion.

5.3 Soil Contamination vs. Adjacent Land Users

Surrounding land uses were identified to comprise residential and educational. Concentrations of potentially harmful mobile contaminants were not identified as part of the laboratory analyses. Furthermore, the proposed remedial measures to protect end users of the proposed development would minimise any risk further.

This aside, it is recommended that dust suppression techniques, e.g. damping down exposed soils, are employed during the demolition and construction phases on site in order to minimise the potential for airborne migration of specific hazards and to manage potential nuisance issues for adjacent land users.

5.4 Soil Contamination vs. Soft Landscaping

British Standard BS3882:2015 '*Specification for topsoil and requirements for use*' provides assessment criteria for a number of potentially phytotoxic contaminants in terms of new planting.

The results of the chemical analysis for determinants known to pose a potential phytotoxic risk to plant growth are summarised in Table 5.6 together with the respective adopted Generic Assessment Criteria (GAC) for plant growth. The compliance criteria set out in BS3882:2015 are pH dependent and thus the GAC used relate to the pH range measured on samples recovered from the site.

Determinand	Phytotoxicity GAC (mg/kg)			GAC Exceedances
	pH <6.0	pH 6.0-7.0	pH >7.0	
Zinc	200	200	300	Yes
Copper	100	135	200	No
Nickel	60	75	110	No

Table 5.6 Summary of Plant Phytotoxicity Assessment

Based on the results of the laboratory testing specific remedial action to protect soft landscaping from phytotoxic effects would be necessary. However, proposed remedial works for the site to protect human health are required in any case.

5.5 Soil Contamination vs. Buildings & Infrastructure (incl. Potable Water Supply Pipes)

Recommendations with respect to sulphate and buried concrete are made in Section 4.5. For details, reference should be made to the specific section.

The current guidance on selection of materials for water supply pipes to be laid in contaminated land is contained in UK Water Industry Research's (UKWIR) report reference 10/WM/03/21 (re-issued

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2010). However, the guidance is not mandatory and there has been concerns raised by various industry technical associations regarding the document and the methodologies proposed.

Although there are concerns regarding the document, in lieu of any further guidance in the first instance the results of this investigation have been compared with the proposed thresholds published in UKWIR Table 3.1. The results of the chemical analysis indicate that there were exceedances of PAH (Semi-volatile organic compounds (SVOCs) and TPH within the Made Ground soils. Given these exceedances and the variable nature of the Made Ground encountered during the intrusive investigation it is recommended that barrier pipe be used for proposed potable water supplies should they be laid through the Made Ground. However, where pipes are laid within clean imported soils barrier pipe is not considered necessary. However, it is recommended that the results of the investigation be forwarded to the proposed water utility company in order to confirm this assessment.

As a matter of good practice, and to maximise the protection to utilities, it is recommended that clean, gap-graded granular backfill is used in service runs and that marker tapes are used for all buried services.

5.6 Soil Contamination vs. Groundwater

It was considered that the Made Ground on site could be a source of contamination to the underlying groundwater. Therefore, leachate testing was undertaken on samples of the Made Ground to assess how leachable the contaminants were within the Made Ground.

Seven leachate samples were analysed with samples taken from the capping layer and landfill material. The results were compared against the conservative UK drinking water standards (UKDWS). Where there were no comparable values, the results were compared against World Health Organisation standards (WHO).

The leachate results identified marginally elevated concentrations of PAHs (sum of 4) within BH110 at 1.0m (0.33µg/l) and within BH102 at 1.0m (0.15µg/l) when compared with the UKDWS (0.1µg/l).

The development proposals are to comprise the introduction of 50% hard cover over the area of the site (houses/roads etc), together with the excavation of significant volumes of the Made Ground in order to accommodate the development, particularly in the area of the bespoke soakaway within the central eastern portion of the site. In addition, the bespoke soakaway construction is designed to ensure that water inundation occurs through the natural soils only, negating the potential for mobilising further leachates.

The above measures will significantly improve the site status in respect of potential leachate contamination and therefore, based on the results and the development proposals it is considered that no further testing in respect of leachates is warranted and no specific remediation is required in this respect.

5.7 Groundwater vs. Groundwater

It was considered that the Made Ground on site could be a source of contamination to the underlying

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groundwater. Therefore, groundwater samples were recovered to assess the quality of the groundwater.

Due to the nature of the site, groundwater samples were recovered from the monitoring wells during the monitoring visit. The results were compared against the conservative UK drinking water standards (UKDWS). Where there were no comparable values, the results were compared against World Health Organisation standards (WHO). These standards are highly conservative as the compliance point is at the consumers' tap, i.e. post any drinking water treatment.

The results of the groundwater analysis found isolated elevated concentrations of Selenium, PAHs and Boron within the groundwater. From the original investigation, a water sample was taken from BH1, elevated concentrations of PAHs and TPH recorded. The exceedances are summarised in Table 5.7.

Location	Selenium (ug/l)		PAH (ug/l)		Boron (mg/l)	
	Max	DWS	Max	DWS	Max	WHO
BH101	-	10.0	-	0.1	-	1.0
BH102	-		0.12		-	
BH104	-		-		-	
BH105	17		-		-	
BH106			0.15			
BH107	-		-		-	
BH109	33		0.73		1.39	

Table 5.7 DWS Exceedances

Additional analysis was undertaken for biochemical oxygen demand, chemical oxygen demand, electrical conductivity, dissolved organic carbon and suspended solids. The results are presented in Table 5.8:

Location	Biochemical Oxygen Demand (mg/l)	Chemical Oxygen Demand (mg/l)	Electrical Conductivity (uS/cm)	Dissolved Organic Carbon (mg/l)	pH (pH units)	Suspended Solids (mg/l)
BH101	4	12	1400	16	6.7	450
BH102	<2	3	1290	7.8	6.9	160
BH103	8	27	1540	12	6.8	1800
BH104	3	8	1520	10	6.7	18
BH105	3	12	2890	12	6.8	340
BH106	2	3	1810	6.9	7.2	56
BH107	3	7	1740	9.5	6.7	96
BH108	<2	4	1320	8.1	6.9	120
BH109	6	20	2740	10	7.0	530
BH110	2	5	1310	9.4	6.9	290

Table 5.8 Miscellaneous Contaminants Results

Whilst the Envirocheck data indicates some 5 groundwater abstraction points within 250m of the site, these are located up hydraulic gradient to the site to the north and are for horticultural uses only.

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Based on the results of the analysis and as stated in the previous section, the development proposals include the introduction of 50% hard cover over the area of the site (houses/roads etc), together with the excavation of significant volumes of the Made Ground in order to accommodate the development. Made Ground (including the landfill) will be removed in the area of the bespoke soakaway within the central eastern portion of the site and where excavations are made to accommodate the cover system as stated in Section 5.1.2. In addition, the bespoke soakaway construction is designed to ensure that water inundation occurs through the natural soils only, negating the potential for mobilising further leachable contaminants into the groundwater.

It is re-stated that the above measures are for the betterment of the site status in respect of potential groundwater contamination and therefore, based on the results and the development proposals it is considered that no specific remediation is required in this respect.

However, it is recommended that this report is presented to the Environment Agency's Groundwater, Hydrology and Contaminated land officer, for their comments and recommendations.

5.8 Waste

5.8.1 Disposal to Landfill

Under current legislation, where wastes are to be disposed of to landfill they may, depending on their classification, require pre-treatment. Pre-treatment shall comprise a chemical, physical (including sorting), thermal or biological process. The pre-treatment is required to change the characteristics of the waste, reduce its volume, reduce its hazardous nature, and facilitate its handling and enhance its recovery.

5.8.2 Waste Classification

The following information is provided for preliminary guidance purposes, as different facilities or operators may have differing acceptance criteria and Waste Acceptance Criteria (WAC) analysis may be required to confirm the exact classification. In addition, if the intention is retain excess spoil/arisings on site for specific purposes, then these soils would not comprise waste, although this is subject to confirmation and relevant declaration under the Definition of Waste Code of Practice.

In the first instance forty-four laboratory results were uploaded to Atkins' waste soils characterisation assessment tool, 'CatWasteSoil' which determines whether a generated waste has any hazardous chemical properties based on standard laboratory analysis. The results for the analysed determinands did not exceed the relevant CatWasteSoil Hazard Class thresholds in thirty-seven of the forty four samples. Seven samples were identified with hazardous properties due to high zinc concentrations (ecotoxic). These are summarised in Table 5.9 below.

Location	Depth (m)	Hazardous Properties
TP4	1.00	Yes
TP205	2.00	Yes
TP206	1.50	Yes
TP209	1.50	Yes
BH102	1.00	Yes

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BH110	0.30	Yes
BH110	1.00	Yes

Table 5.9 CAT Waste Analysis Results

In addition, ten representative samples were analysed for waste acceptance criteria testing, the results are summarised in Table 5.10:

Location	Depth (m)	Inert	Non-Hazardous	Hazardous
TP201	1.80			TOC, Loss on Ignition
TP203	1.50	Yes		
TP204	1.50		TOC	
TP205	0.50	Yes		
TP208	1.50		TOC, Antimony	Loss on Ignition
TP209	1.50			TOC, Loss on Ignition
BH103	0.50	Yes		
BH105	1.00		TOC	
BH106	0.30	Yes		
BH109	1.50		TOC	

Table 5.10 WAC Test Results

Three of the samples have fallen into the hazardous waste classification on account of marginal exceedances of TOC and loss on ignition (organic matter). It is possible that a receiving landfill operator will accept this material as non-hazardous, though this would require confirmation from the proposed operator.

Any waste soils which include asbestos will require asbestos quantification analysis to determine their disposal classification. Where the concentration of free asbestos fibres exceed 0.1% the material would be deemed hazardous. Furthermore, any material containing fragments of ACM containing more than 0.1% asbestos would also be deemed hazardous. It is recommended that the results be passed onto the landfill operator and company who are to remove any soils from site, as different landfill operators use different forms of classification.

Natural soils (River Terrace Deposits and Chalk) are likely be classified as Inert Waste (under the respective EWC codes for naturally occurring soils), suitable for disposal at an inert landfill facility.

5.9 Discovery Strategy

Whilst the investigation undertaken on the site to date is considered to be thorough, it remains possible that previously unexpected soil conditions may be encountered during the process of site demolition and construction.

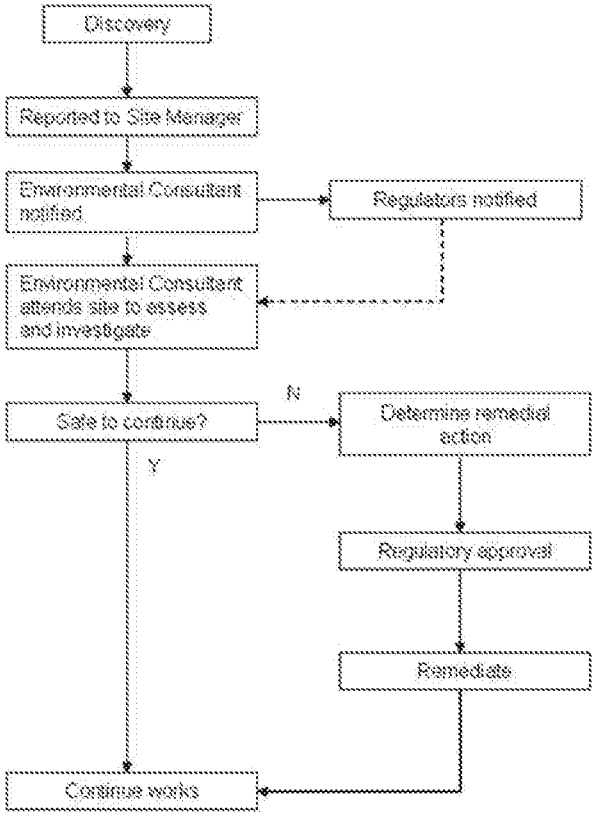
Examples may include oily pockets within the soil, pockets of cement boarding or fibrous materials within the soil, black ashy materials, soils exhibiting strong odours, brightly coloured materials, and former structures or brickwork.

Should previously undiscovered contamination be encountered during the demolition/construction of the new buildings the following course of action should be adhered to:

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- Works in the area of the suspected contamination should cease immediately. The ground workers should report any suspected contamination immediately to the Client's site supervisor. The supervisor should contact the Environmental Consultant, who should visit the site to assess the extent of the 'contamination'.
- The Environmental Consultant shall make records of their inspection, and pass details of these to the Local Authority.
- Where the conditions revealed differ from those previously anticipated, the Environmental Consultant shall take samples as deemed appropriate to be dispatched for appropriate chemical testing.
- Depending on the results of the testing either: 1) no further work will be required; 2) a further detailed risk assessment will be required; and/or 3) localised specific remedial measures will be necessary. Appraisal criteria will vary depending on the nature of the assessment.
- The results of any such testing will be sent to the Regulatory Authority for consultation. If remediation is required, the Regulatory Authority will be informed of the date and time of the proposed works.
- Remediation will be undertaken in accordance with a method statement submitted to the Local Authority for approval. The works shall be supervised by the Environmental Consultant who shall provide a Validation Report for the Local Authorities purposes.

The process is summarised overleaf:



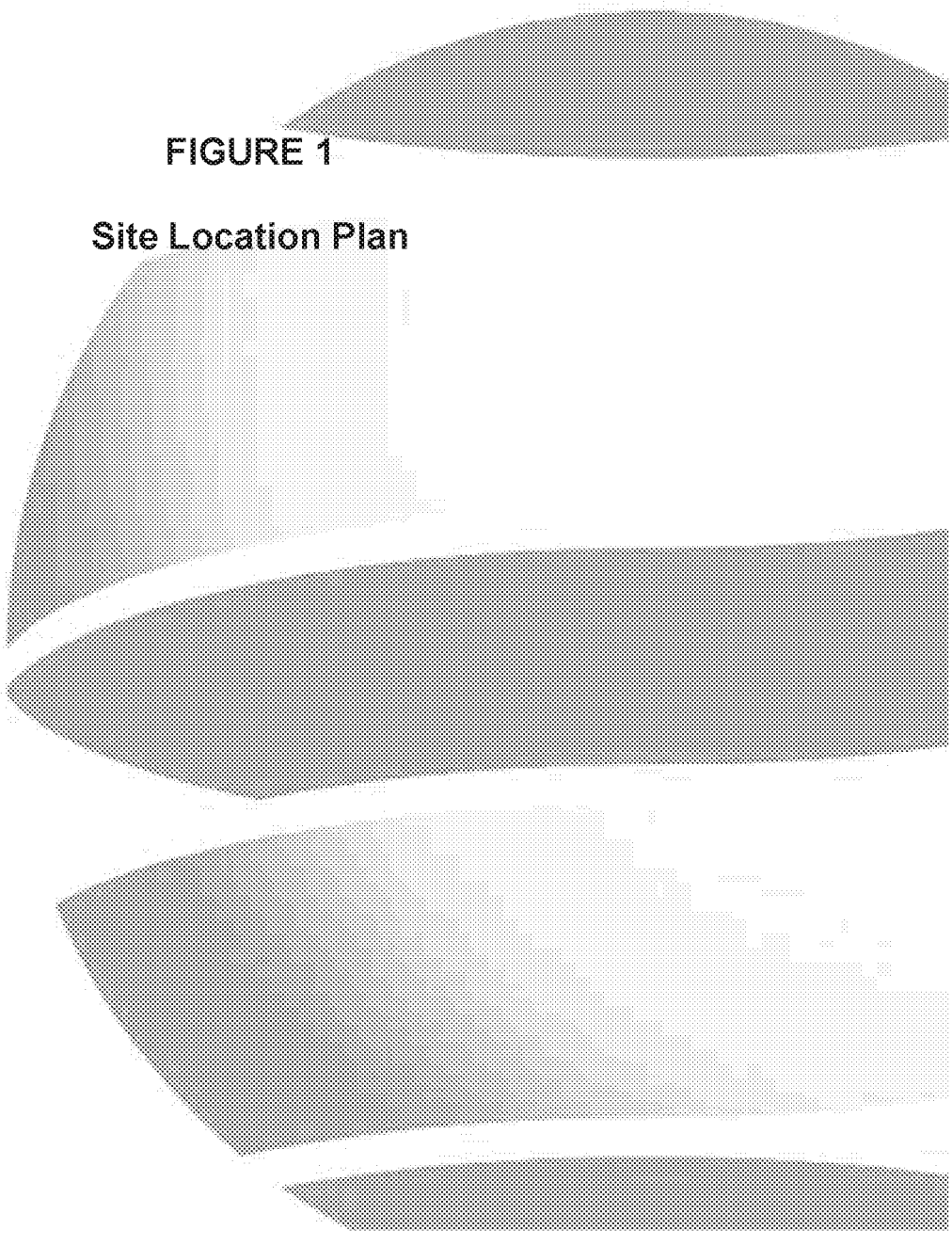
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A copy of this strategy should be lodged on site, and provisions made to ensure that all workers are made aware of their responsibility to observe, report, and act on any potentially suspicious or contaminated materials they may encounter.

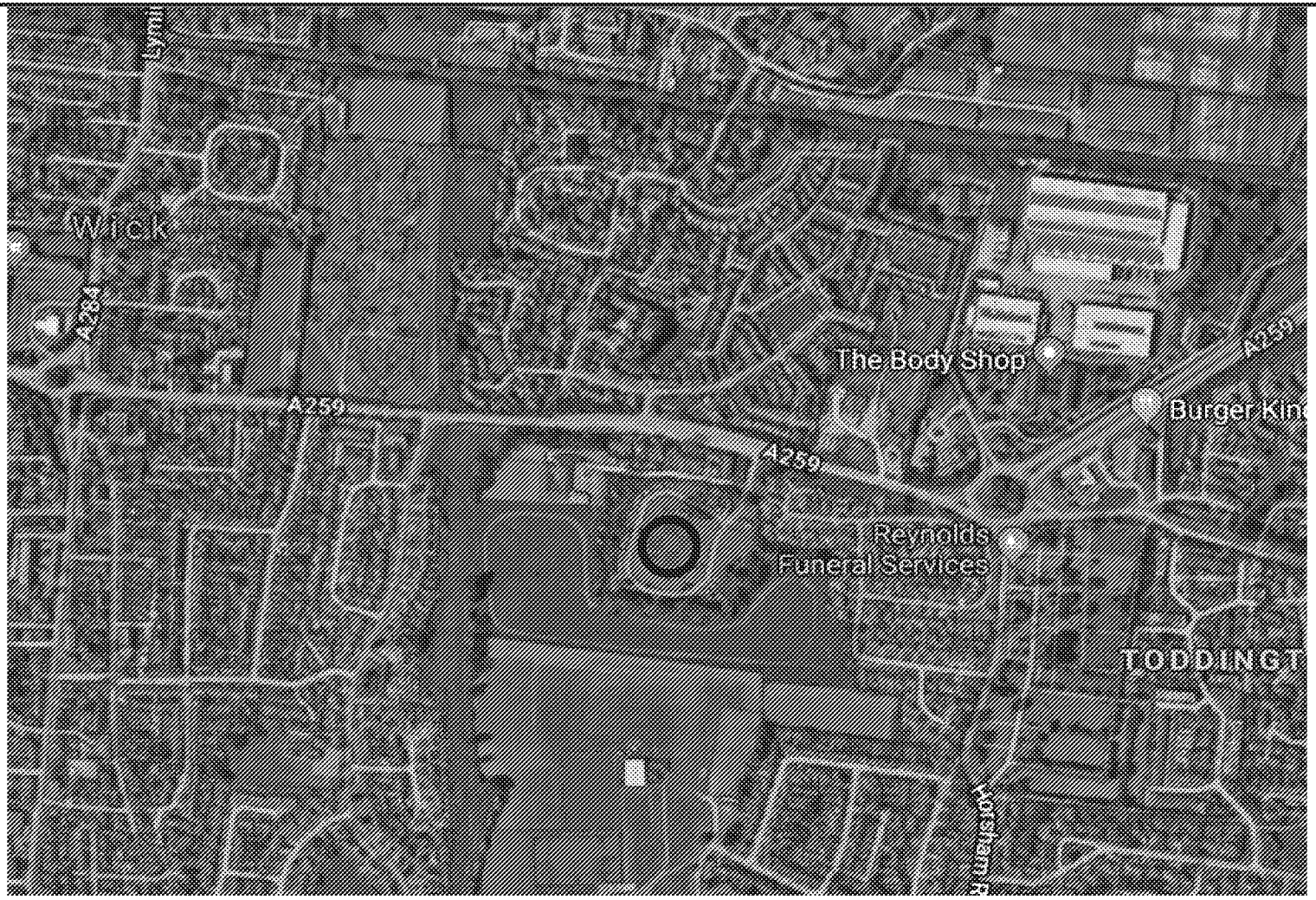
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FIGURE 1

Site Location Plan



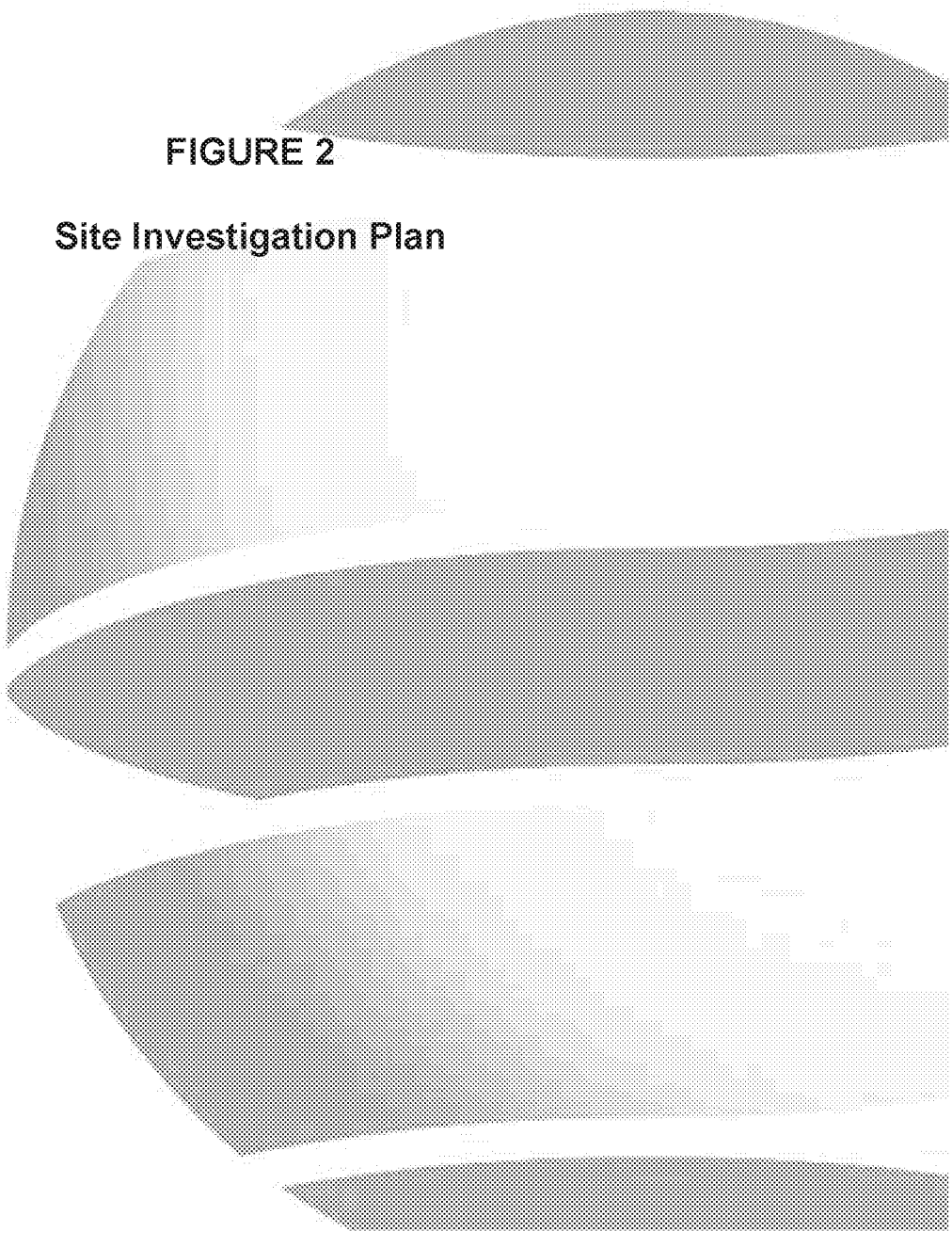
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Project:	Cornfield Close, Littlehampton			**Title**	Site Location Plan
Client:	Thakeham Client			**Geo-Environmental Services Ltd** **Unit 7 Danworth Farm, Cuckfield Road** **Hurstpierpoint, West Sussex BN6 9GL** **+44(0)1273 832972 www.gesl.net**	Geo-Environmental
Ref No:	GE17106	**Revision:**	v1		
Drawn:	AP	**Date:**	04/10/2018		
Figure:	1	**Scale:**	Not To Scale		

FIGURE 2

Site Investigation Plan



ARUN DISTRICT COUNCIL LU/330/18/PL

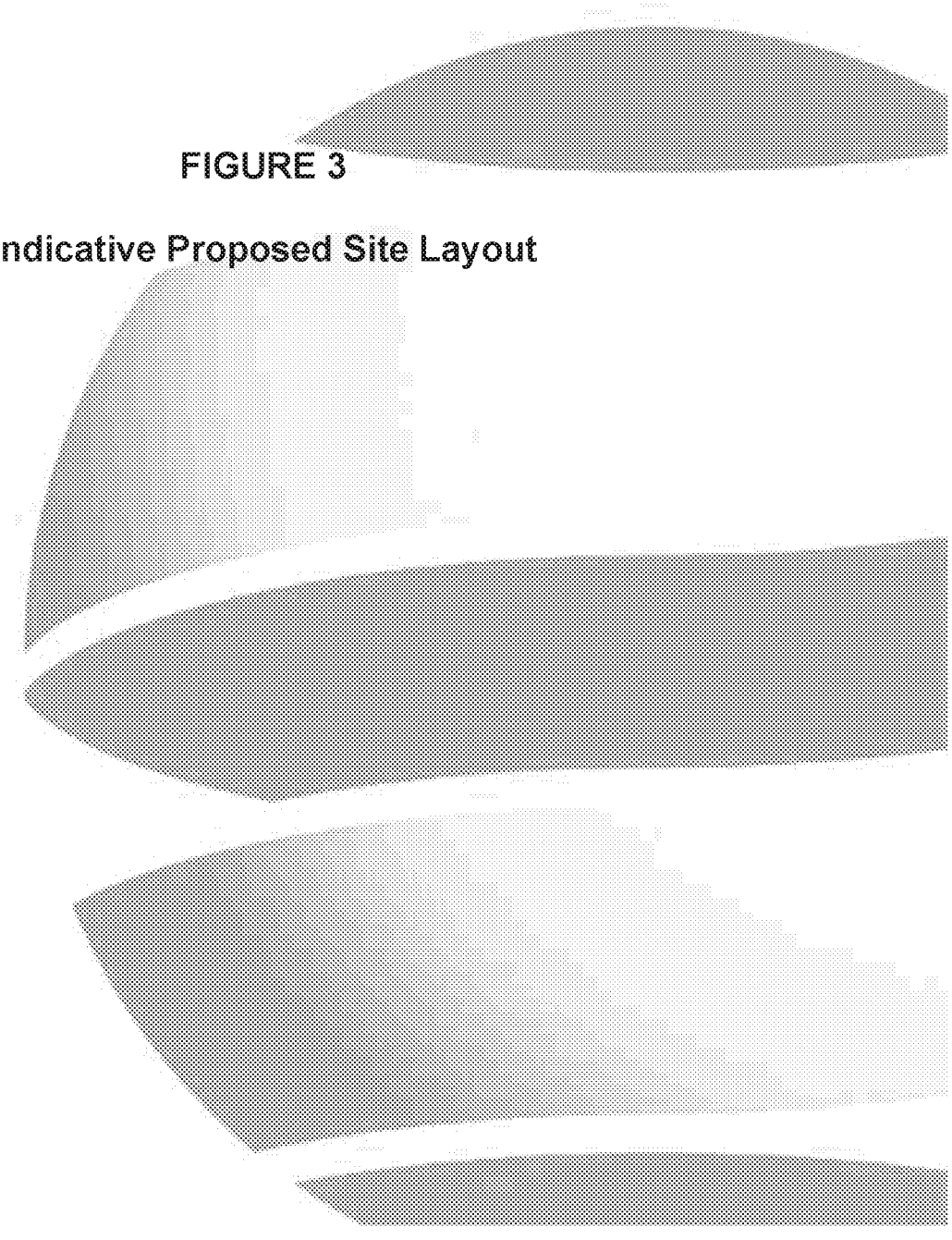
Project Title:	Cornfield Close, Littlehampton	Title :	Figure 2 - Exploratory Hole Location Plan
Location :	Littlehampton, West Sussex	Scale:	1:2000
Project No. :	GE17106	Engineer:	Anthony
Client :	Thakeham Client		

Geo-Environmental

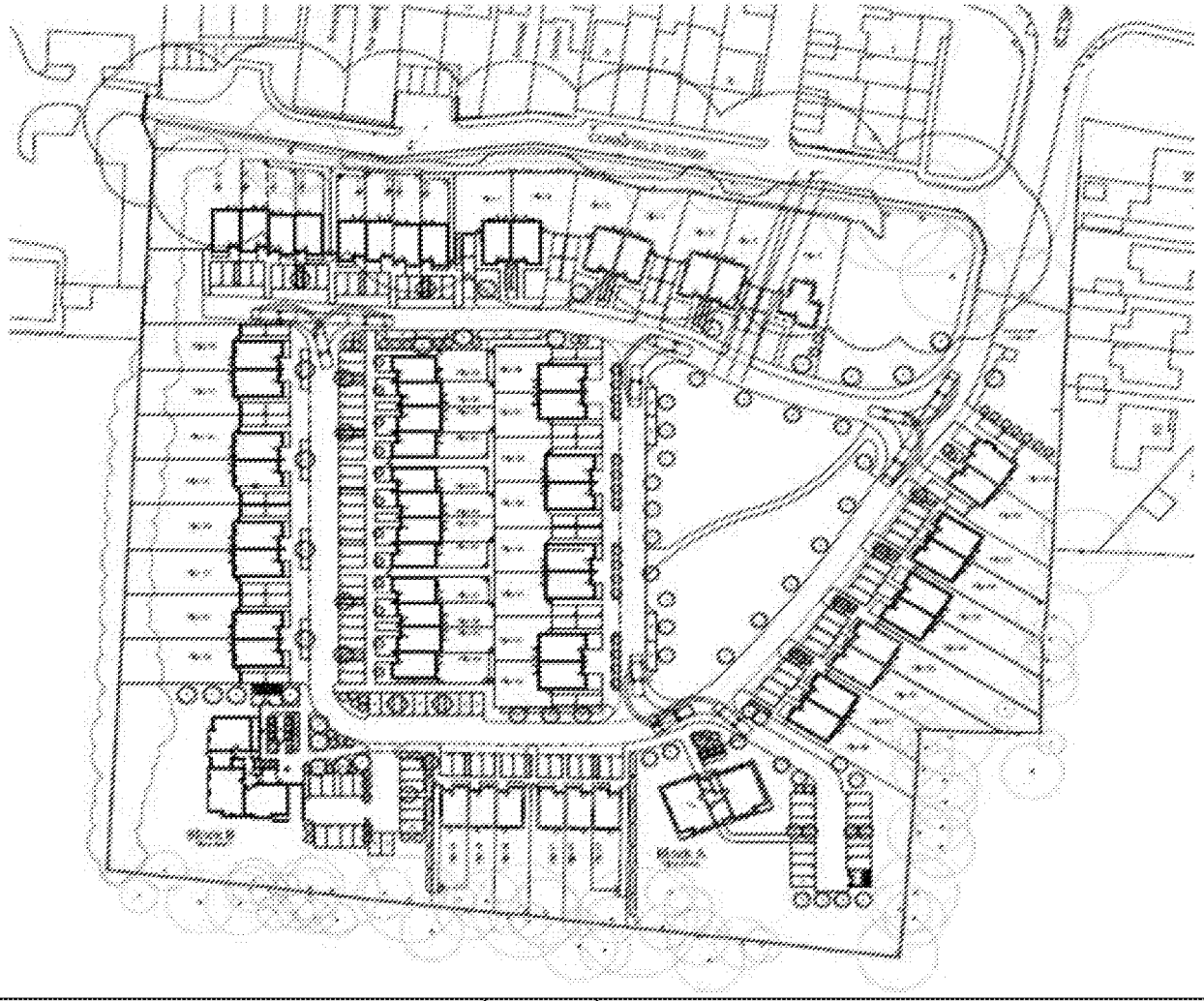


FIGURE 3

Indicative Proposed Site Layout



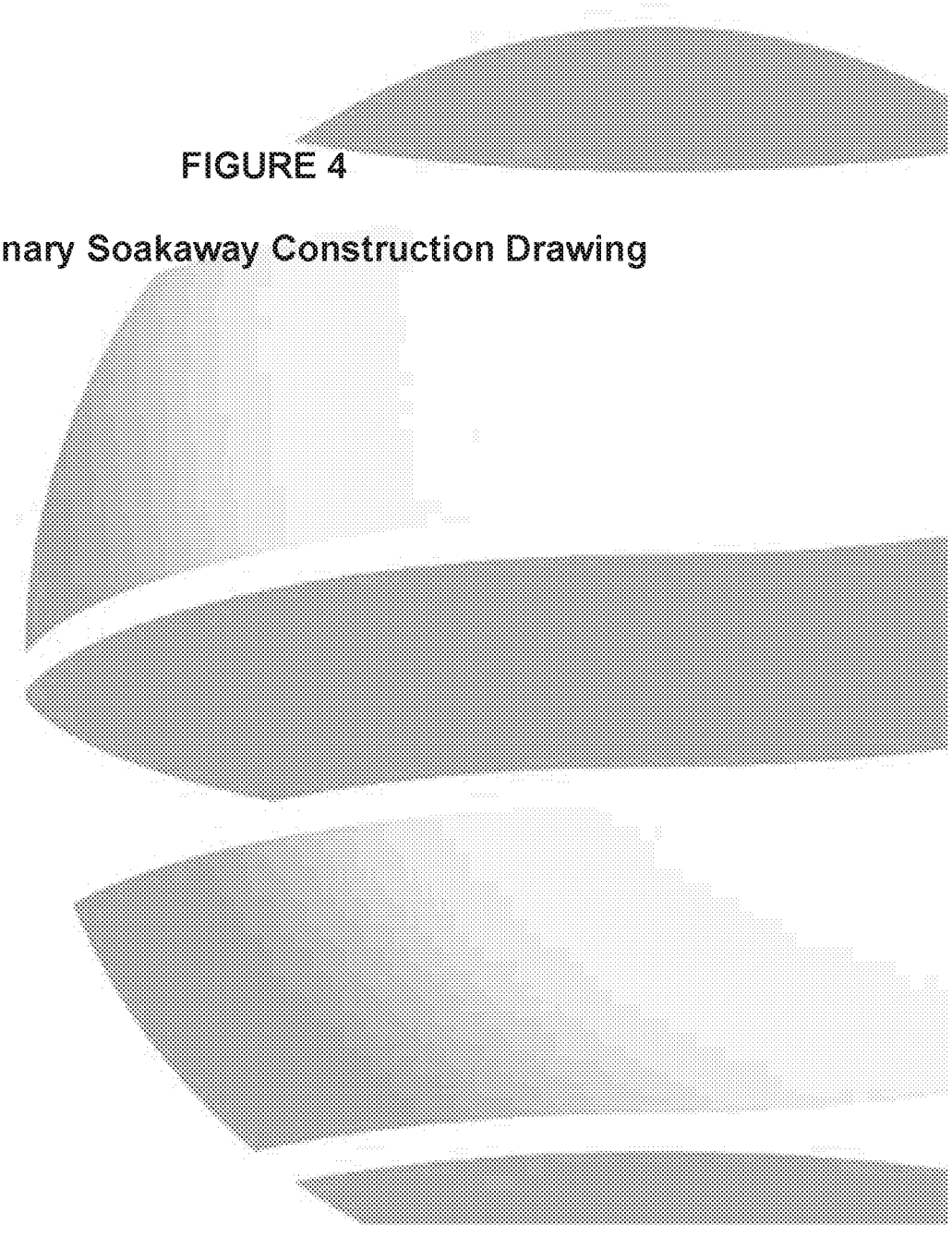
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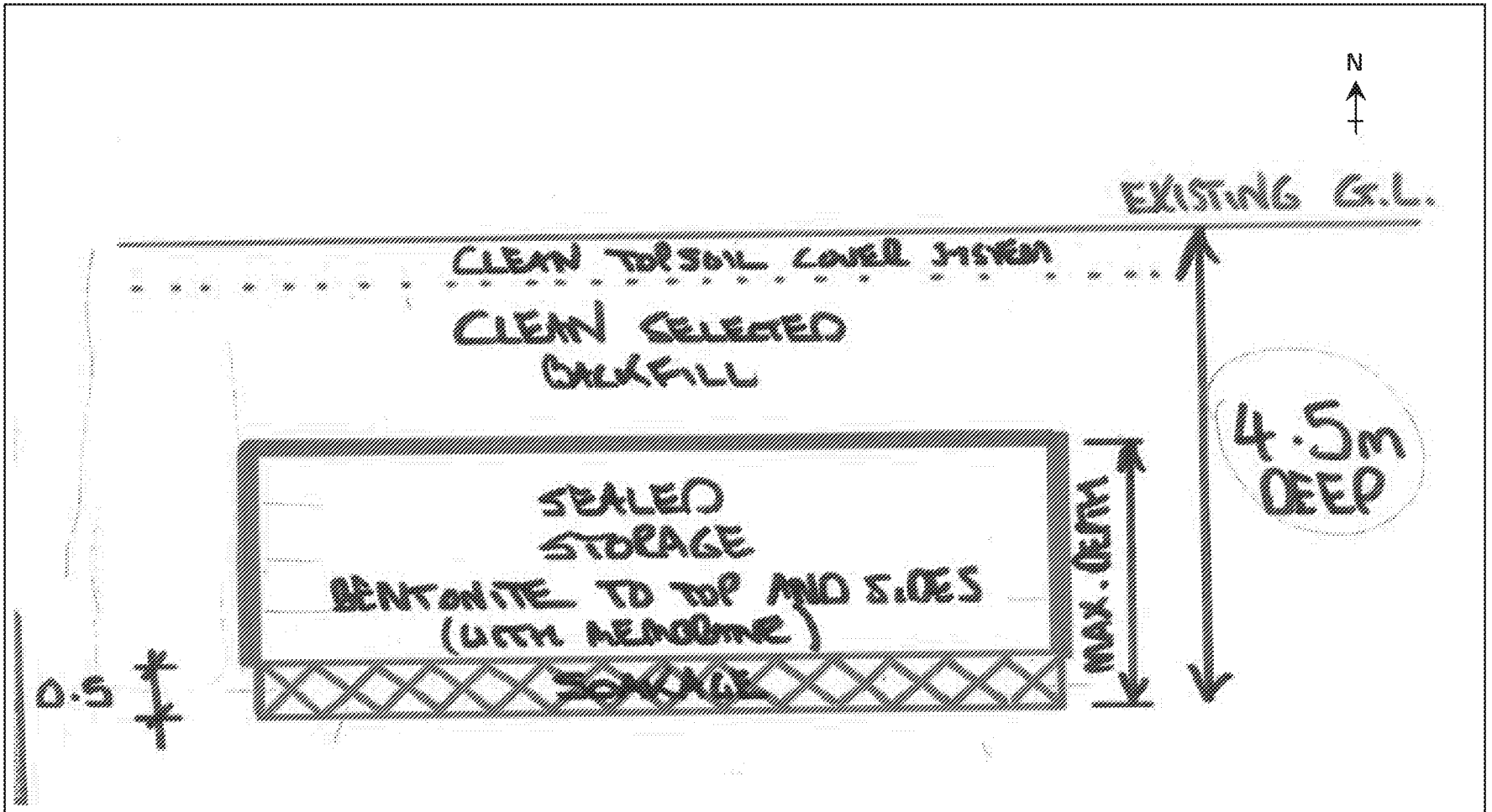
Project:	Cornfield Close, Littlehampton			**Title**	Proposed Development Plan
Client:	Thakeham Client			**Geo-Environmental Services Ltd**	
Ref No:	GE17106	**Revision:**	v1	**Unit 7 Danworth Farm, Cuckfield Road**	
Drawn:	AP	**Date:**	05/11/2018	**Hurstpierpoint, West Sussex BN6 9GL**	
Figure:	3	**Scale:**	Not To Scale	**+44(0)1273 832972 www.gesl.net**	Geo-Environmental

FIGURE 4

Preliminary Soakaway Construction Drawing



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Project:	Cornfield Close, Littlehampton			**Title**	Preliminary Soakaway Construction Drawing
Client:	Thakeham Client			**Geo-Environmental Services Ltd**	
Ref No:	GE17106	**Revision:**	v1	**Unit 7 Danworth Farm, Cuckfield Road**	
Drawn:	AP	**Date:**	05/11/2018	**Hurstpierpoint, West Sussex BN6 9GL**	
Figure:	4	**Scale:**	Not To Scale	**+44(0)1273 832972 www.gesl.net**	Geo-Environmental

APPENDIX A

Engineering Logs & Sections

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH101** Sheet 1 of 1

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503316E - 103288N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 8.03	Scale 1:50
Client:	Thakeham Client		Dates: 15/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.12	7.91		Grass overlying brown sandy silt. MADE GROUND
		0.30	B					Dark brown clay with brick, concrete, glass and ash. MADE GROUND
		0.30	ES					
		0.50	B					
		0.80	ES					
		1.00	B					
		1.00	ES					
		1.50 - 1.95	D					
		1.50	S	N=4 (1,0/1,1,1,1)				
		2.00	D					
		2.50	D		2.50	5.53		Brown and dark grey slightly sandy silty CLAY with rare fine gravel. RIVER TERRACE DEPOSITS
		3.00 - 3.45	D		3.00	5.03		Medium dense brown slightly gravelly, very clayey SAND (gravel is fine to medium and sub-angular). RIVER TERRACE DEPOSITS
		3.00	S	N=17 (3,4/4,4,4,5)				
		3.50	D					
		4.00	D					
		4.50 - 4.95	D					
		4.50	S	N=27 (5,6/6,6,7,8)				
		5.00	D					
		5.50	D		5.40	2.63		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		6.00 - 6.45	D					
		6.00	S	N=43 (5,7/15,9,10,9)				
		6.50	D					
		7.00	D					
		7.50 - 7.95	D					
		7.50	S	N=25 (4,5/5,8,6,6)				
		8.00	D					
		8.50	D					
		9.00 - 9.45	D					
		9.00	S	N=42 (6,6/8,9,11,14)				
		9.50	D					
		10.00	D		10.00	-1.97		End of Borehole at 10.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	2.50	7.50	7.00			
150	10.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH102** Sheet 1 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503373E - 103317N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 7.85	Scale 1:50
Client:	Thakeham Client		Dates: 13/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	7.70		Grass overlying brown sandy silt. MADE GROUND
		0.30	B					Dark brown clay with brick, concrete, glass and ash. MADE GROUND
		0.30	ES					
		0.50	B					
		0.50	ES					
		1.00	B					
		1.00	ES					
		1.50 - 1.95	B					
		1.50 - 1.95	D					
		1.50 - 1.95	ES					
		1.50	C	N=6 (2,2/1,1,1,3)				
		2.00	D		2.10	5.74		
					2.30	5.54		Grey brown medium sand. MADE GROUND
		2.50	D					Medium dense orangish brown very clayey SAND with rare fine to medium sub-rounded gravel. RIVER TERRACE DEPOSITS
		3.00 - 3.45	D					
		3.00	S	N=22 (4,4/5,5,5,7)				
		3.50	D					
					3.80	4.04		
		4.00	D					Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		4.50 - 4.95	D					
		4.50	S	N=18 (3,4/4,4,5,5)				
		5.00	D					
		6.00 - 6.45	D					
		6.00	S	N=18 (6,4/6,4,4,4)				
		6.50	D					
	▼	7.00	D					
	▽	7.50	U					
		7.50 - 7.95	D					
		8.00	D					
		8.50	D					
		9.00 - 9.45	D					
		9.00	S	N=53 (14,10/9,9,18,17)				
		9.50	D					
								Continued on Next Sheet

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	2.50	7.50	7.00			
150	15.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH102** Sheet 2 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503373E - 103317N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 7.85	Scale 1:50
Client:	Thakeham Client		Dates: 13/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50	D					
		10.50 - 10.95	D					
		10.50	S	N=37 (8,8/7,11,10,9)				
		11.00	D					
		12.00 - 12.45	D					
		12.00	S	N=50 (7,6/12,20,12,6)				
		13.00	D					
		13.50 - 13.95	D					
		13.50	S	N=50 (15,10/14,15,19,2)				
		14.00	D					
		14.50	D					
		14.50 - 14.95	D					
		14.50	S	N=50 (10,11/13,13,19,5)				
		15.00	D		15.00	-7.16		End of Borehole at 15.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	2.50	7.50	7.00			
150	15.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH103** Sheet 1 of 1

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503448E - 103254N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 7.92	Scale 1:50
Client:	Thakeham Client		Dates: 23/08/2018	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.12	7.80		Grass overlying brown sandy silt. MADE GROUND
		0.30	B					
		0.30	ES					Light brown clayey sandy silt with frequent brick and concrete fragments. MADE GROUND
		0.50	B		0.60	7.32		
		0.50	ES					Dark brown, dark grey and black silty clayey sand with frequent ash, glass, brick concrete, metal, plastic and timber. MADE GROUND
		1.00	B					
		1.00	ES					
		1.50 - 1.95	D					
		1.50	S	N=8 (2,2/2,2,2,2)				
		2.00	D					
		2.50	B		2.40	5.52		Orange brown clayey SAND. RIVER TERRACE DEPOSITS
		2.50	ES					
		3.00 - 3.45	D		3.00	4.92		Medium dense brown slightly gravelly clayey SAND (gravels fine to medium and sub-angular). RIVER TERRACE DEPOSITS
		3.00	S	N=30 (5,6/6,8,8,8)				
		3.50	D		3.50	4.42		Medium dense orangish brown very gravelly, very clayey SAND (gravel is fine to coarse and sub-angular). RIVER TERRACE DEPOSITS
		4.00	D					
		4.50 - 4.95	D					
		4.50	S	N=17 (3,3/4,4,4,5)				
		5.00	D					
		5.50	D					
		6.00 - 6.45	D					
		6.00	S	N=10 (2,2/2,3,3,2)				
		6.50	D		6.20	1.72		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		7.00	D					
		7.50 - 7.95	D					
		7.50	S	N=29 (4,5/7,7,8,7)				
		8.00	D					
		8.50	D					
	▼	9.00 - 9.45	D					
		9.00	S	N=30 (5,5/6,8,7,9)				
		9.50	D					
		10.00	D		10.00	-2.08		End of Borehole at 10.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	9.00	9.00			
150	10.00					

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH104** Sheet 1 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503345E - 103287N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 8.13	Scale 1:50
Client:	Thakeham Client		Dates: 14/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	B		0.18	7.95		Grass overlying brown sandy silt. MADE GROUND
		0.30	ES					Light brown clayey sandy silt with frequent brick and concrete fragments. MADE GROUND
		0.50	B					
		0.50	ES					
		1.00	B					
		1.00	ES					
		1.50 - 1.80	D					
		1.50	S	N=12 (4,4/4,4,2,2)	1.60	6.53		Dark brown clay with brick, concrete, glass and ash. MADE GROUND
		2.00	D					
		2.50	D					
		3.00 - 3.45	D		2.90	5.23		Medium dense brown very clayey SAND with rare fine gravel. RIVER TERRACE DEPOSITS
		3.00	S	N=20 (1,3/4,5,5,6)				
		3.50	D		3.50	4.63		Medium dense brown slightly clayey silty gravelly SAND (gravel is fine to medium and sub-angular). RIVER TERRACE DEPOSITS
		4.50 - 4.95	D					
		4.50	S	N=30 (5,5/7,7,7,9)				
		5.00	D					
		5.50	D					
		6.00 - 6.45	D		5.80	2.33		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		6.00	S	N=35 (5,8/8,9,9,9)				
		6.50	D					
		7.00	D					
		7.50 - 7.95	D					
		7.50	S	N=33 (4,5/8,8,8,9)				
		8.00	D					
	▼	9.00	D					
		9.00 - 9.45	D					
		9.00	S	N=47 (7,7/7,8,16,16)				
		10.00	D					
								Continued on Next Sheet

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	9.00	9.00			
150	15.00					

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH104** Sheet 2 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503345E - 103287N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 8.13	Scale 1:50
Client:	Thakeham Client		Dates: 14/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50 - 10.95	D					
		10.50	S	N=46 (6,8/9,11,13,13)				
		11.00	D					
		11.50	D					
		12.00 - 12.45	D					
		12.00	S	N=49 (6,10/11,11,13,14)				
		12.50	D					
		13.00	D					
		13.50 - 13.95	D					
		13.50	S	N=48 (5,9/12,12,11,13)				
		14.00	D					
		14.50	D					
		14.50 - 14.95	D					
		14.50	S	N=50 (8,8/9,10,10,21)				
		15.00	D		15.00	-6.87		End of Borehole at 15.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	9.00	9.00			
150	15.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH105** Sheet 1 of 1

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503410E - 103272N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 8.39	Scale 1:50
Client:	Thakeham Client		Dates: 22/08/2018	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.17	8.22		Grass overlying brown sandy silt. MADE GROUND
		0.30	B					
		0.30	ES					
		0.50	B					
		0.50	ES		0.70	7.69		Light brown clayey sandy silt with frequent brick and concrete fragments. MADE GROUND
		1.00	B					Dark brown, dark grey and black silty clayey sand with frequent ash, glass, brick concrete, metal, plastic and timber. MADE GROUND
		1.00	ES					
		1.50 - 1.95	D					
		1.50	S	N=24 (2,4/4,7,7,6)				
		2.00	D					
		2.50	D		2.50	5.89		Orange brown sandy CLAY. RIVER TERRACE DEPOSITS
		3.00 - 3.45	D		2.90	5.49		Medium dense orange brown medium SAND. RIVER TERRACE DEPOSITS
		3.00	S	N=12 (2,2/2,3,3,4)				
		3.50	D		3.50	4.89		Medium dense orangish brown gravelly clayey SAND (gravel is fine to coarse and sub-rounded to sub-angular). RIVER TERRACE DEPOSITS
		4.00	D					
		4.50 - 4.95	D					
		4.50	S	N=11 (2,2/3,2,3,3)				
		5.00	D					
		5.50	D					
		6.00 - 6.45	D		5.80	2.59		Medium dense orange brown clayey SAND with occasional flint gravel and rare chalk nodules. RIVER TERRACE DEPOSITS
		6.00	S	N=29 (4,6/6,6,8,9)				
		6.50	ES					*...with dark blue staining and a slight hydrocarbon malodour between 6.5m and 7.0m bgl.*
		7.00	D		7.00	1.39		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		7.00	ES					
	▼	7.50 - 7.95	D					
		7.50	S	N=28 (3,4/9,6,6,7)				
		8.00	D					
		9.00 - 9.45	D					
		9.00	S	N=50 (4,6/13,13,14,10)				
		9.50	D					
		10.00	D		10.00	-1.61		End of Borehole at 10.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	7.50	7.50			
150	10.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH106** Sheet 1 of 1

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503423E - 103210N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 7.60	Scale 1:50
Client:	Thakeham Client		Dates: 22/08/2018	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	7.45		Grass overlying brown sandy silt. MADE GROUND
		0.30	B					
		0.30	ES					Light brown clayey sandy silt with frequent brick and concrete fragments. MADE GROUND
		0.50	B		0.65	6.95		
		0.50	ES					Dark brown, dark grey and black silty clayey sand with frequent ash, glass, brick concrete, metal, plastic and timber. MADE GROUND
		1.00	B					
		1.00	ES					
		1.50 - 1.95	D					
		1.50	S	N=7 (1,1/2,1,2,2)				
		2.00	D					
		2.50	D					
					2.80	4.80		Very soft orangish brown slightly gravelly sandy CLAY (gravel is fine to medium and sub-angular). RIVER TERRACE DEPOSITS
		3.00 - 3.45	D					
		3.00	S	N=9 (1,2/3,2,2,2)				
		3.50	D					
					3.80	3.80		Loose orangish brown very clayey gravelly SAND (gravel is fine to coarse and sub-angular). RIVER TERRACE DEPOSITS
		4.00	D					
		4.50 - 4.95	D					
		4.50	S	N=9 (2,2/3,1,1,4)				
		5.00	D					
		5.50	D		5.50	2.10		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		6.00 - 6.45	D					
		6.00	S	N=24 (4,8/5,5,6,8)				
		6.50	D					
		7.00	D					
	▼	7.50 - 7.95	D					
		7.50	S	N=37 (11,14/8,8,10,11)				
		8.00	D					
		8.50	D					
		9.00 - 9.45	D					
		9.00	S	N=32 (3,5/6,8,8,10)				
		9.50	D					
		10.00	D		10.00	-2.40		End of Borehole at 10.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	7.50	7.50			
150	10.00					

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH107** Sheet 1 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503335E - 103245N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 8.04	Scale 1:50
Client:	Thakeham Client		Dates: 16/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.12	7.92		Grass overlying brown sandy silt. MADE GROUND
		0.30	B					
		0.30	ES					Light brown clayey sandy silt with frequent brick and concrete fragments. MADE GROUND
		0.50	B		0.60	7.44		
		0.50	ES					Dark brown and dark grey clayey sand with frequent ash, brick, concrete, frabric, metal, timber and glass. MADE GROUND
		1.00	B					
		1.00	ES					
		1.50 - 1.95	D					
		1.50	C	N=6 (1,1/2,1,2,1)				
		2.00	D					
		2.50	D		2.40	5.64		Loose orangish brown gravelly silty very clayey SAND (gravel is fine to coarse and sub-angular). RIVER TERRACE DEPOSITS
		3.00 - 3.45	D		3.00	5.04		Medium dense orangish brown sandy CLAY with rare fine sub-angular gravel. RIVER TERRACE DEPOSITS
		3.00	S	N=8 (1,2/2,1,3,2)				
		3.50	D					
		4.00	D					
		4.50 - 4.95	D					
		4.50	S	N=11 (2,3/3,3,2,3)				
		5.00	D					
		5.50	D					
		6.00 - 6.45	D		5.90	2.14		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		6.00	S	N=18 (3,3/4,4,5,5)				
		6.50	D					
		7.00	D					
	▼	7.50 - 7.95	D					
		7.50	S	N=30 (6,7/7,8,8,7)				
		8.00	D					
		8.50	D					
		9.00 - 9.45	D					
		9.00	S	N=25 (3,5/5,6,6,8)				
		9.50	D					
		10.00	D					
								Continued on Next Sheet

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	7.50	7.50			
150	15.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH107** Sheet 2 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503335E - 103245N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 8.04	Scale 1:50
Client:	Thakeham Client		Dates: 16/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50 - 10.95	D					
		10.50	S	N=26 (4,5/6,6,7,7)				
		11.00	D					
		11.50	D					
		12.00 - 12.45	D					
		12.00	S	N=44 (6,9/12,11,9,12)				
		12.50	D					
		13.00	D					
		13.50 - 13.95	D					
		13.50	S	N=44 (7,10/12,11,9,12)				
		14.00	D					
		14.50	D					
		14.50 - 14.95	D					
		14.50	S	N=45 (6,8/8,9,13,15)				
		15.00	D		15.00	-6.96		End of Borehole at 15.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	7.50	7.50			
150	15.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH108** Sheet 1 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503297E - 103196N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 8.34	Scale 1:50
Client:	Thakeham Client		Dates: 20/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	8.19		Grass overlying brown sandy silt. MADE GROUND
		0.30	B					
		0.30	ES					Light brown clayey sandy silt with frequent brick and concrete fragments. MADE GROUND
		0.50	B					
		0.50	ES		0.70	7.64		Dark brown and dark grey clayey sand with frequent ash, brick, concrete, frabric, metal, timber and glass. MADE GROUND
		1.00	B					
		1.00	ES					
		1.50 - 1.95	B					
		1.50 - 1.95	ES					
		1.50	C	N=3 (1,1/1,1,0,1)				
		2.00	D					
		2.50	D		2.40	5.94		Very soft brown mottled dark grey slightly gravelly silty sandy CLAY (gravel is fine to medium and sub-angular). RIVER TERRACE DEPOSITS
		3.00 - 3.45	D					
		3.00	S	N=6 (1,1/1,2,2,1)	3.10	5.24		Loose orange brown medium SAND. RIVER TERRACE DEPOSITS
		3.50	D					
		4.00	D					
		4.50 - 4.95	D		4.50	3.84		Loose light brown and orange brown slightly clayey SAND with frequent flint gravel. RIVER TERRACE DEPOSITS
		4.50	S	N=6 (1,1/1,2,2,1)				
		5.00	D					
		5.50	D					
		6.00 - 6.45	D		6.00	2.34		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		6.00	S	N=7 (1,1/1,2,2,2)				
		6.50	D					
		7.00	D					
	▼	7.50 - 7.95	D					
		7.50	S	N=23 (6,7/6,6,5,6)				
		8.00	D					
		8.50	D					
		9.00 - 9.45	D					
		9.00	S	N=29 (9,11/7,7,7,8)				
		9.50	D					
		10.00	D					
								Continued on Next Sheet

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	7.50	7.50			
150	15.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH108** Sheet 2 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503297E - 103196N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 8.34	Scale 1:50
Client:	Thakeham Client		Dates: 20/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50 - 10.95	D					
		10.50	S	N=44 (4,7/13,11,11,9)				
		11.00	D					
		11.50	D					
		12.00 - 12.45	D					
		12.00	S	N=45 (8,7/9,9,14,13)				
		12.50	D					
		13.00	D					
		13.50 - 13.95	D					
		13.50	S	50 (10,10/50 for 225mm)				
		14.00	D					
		14.50	D					
		14.50 - 14.95	D					
		14.50	S	N=50 (6,8/11,13,22,4)				
		15.00	D		15.00	-6.66		End of Borehole at 15.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	7.50	7.50			
150	15.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH109** Sheet 1 of 1

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503368E - 103217N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 7.91	Scale 1:50
Client:	Thakeham Client		Dates: 16/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.12	7.79		Grass overlying brown sandy silt. MADE GROUND
		0.30	B					Dark brown clay with brick, concrete, glass and ash. MADE GROUND
		0.30	ES					
		0.50	B					
		0.50	ES					
		1.00	B					
		1.00	ES					
		1.50 - 1.95	B					
		1.50 - 1.95	ES					
		1.50	C	N=9 (1,3/3,2,3,1)				
		2.00	D					
		2.50	D					
					2.80	5.11		Loose brown gravelly clayey SAND (gravel is fine to medium and sub-angular to sub-rounded). RIVER TERRACE DEPOSITS
		3.00 - 3.45	D					
		3.00	S	N=7 (3,3/2,2,2,1)				
		3.50	D					
					3.80	4.11		Soft brown slightly gravelly sandy CLAY (Gravel is fine to medium and sub-angular). RIVER TERRACE DEPOSITS
		4.00	D					
		4.50 - 4.95	D					
		4.50	S	N=14 (2,3/3,3,4,4)				
		5.00	D					
		5.50	D		5.50	2.41		Orange brown medium SAND and flint gravel. RIVER TERRACE DEPOSITS
					5.70	2.21		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		6.00 - 6.45	D					
		6.00	S	N=21 (3,4/4,5,5,7)				
		6.50	D					
		7.00	D					
	▼	7.50 - 7.95	D					
		7.50	S	N=33 (4,6/8,8,8,9)				
		8.00	D					
		8.50	D					
		9.00 - 9.45	D					
		9.00	S	N=43 (4,8/8,12,12,11)				
		9.50	D					
		10.00	D		10.00	-2.09		End of Borehole at 10.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	7.50	7.50			
150	10.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH110** Sheet 1 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503393E - 103181N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 7.83	Scale 1:50
Client:	Thakeham Client		Dates: 21/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	B		0.17	7.66		Grass overlying brown sandy silt. MADE GROUND
		0.30	ES					Light brown clayey sandy silt with frequent brick and concrete fragments. MADE GROUND
		0.50	B					
		0.50	ES		0.70	7.13		Dark brown and dark grey clayey sand with frequent ash, brick, concrete, frabric, metal, timber and glass. MADE GROUND
		1.00	B					
		1.00	ES					
		1.50 - 1.95	D					
		1.50	S	N=4 (1,0/1,1,1,1)				
		2.00	D					
		2.50	D		2.50	5.33		Greenish grey and grey mottled slightly gravelly silty sandy CLAY (gravel is fine to medium and sub-angular to sub-rounded). RIVER TERRACE DEPOSITS
		3.00 - 3.45	D		3.00	4.83		Loose to medium dense light brown and orange brown slightly clayey SAND with frequent flint gravel. RIVER TERRACE DEPOSITS
		3.00	S	N=6 (1,1/1,2,1,2)				
		3.50	D					
		4.00	D					
		4.50 - 4.95	D					
		4.50	S	N=11 (2,2/2,3,3,3)	4.60	3.23		Recovered as structureless CHALK composed of sub-angular to rounded gravel. Clasts are weak, low to medium density, off-white within an off-white matrix. CHALK
		5.00	D					
		5.50	D					
		6.00 - 6.45	D					
		6.00	S	N=38 (3,3/9,8,11,10)				
		6.50	D					
		7.00	D					
		7.50 - 7.95	D					
		7.50	S	N=25 (4,5/5,6,7,7)				
		8.00	D					
		8.50	D					
	▼	9.00 - 9.45	D					
		9.00	S	N=29 (6,6/6,8,7,8)				
		9.50	D					
		10.00	D					
								Continued on Next Sheet

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	9.00	9.00			
150	15.00					

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH110** Sheet 2 of 2

Project Name:	Comfield Close, Littlehampton	Project No. GE17106	Co-ords: 503393E - 103181N	Hole Type CP
Location:	Littlehampton, West Sussex		Level: 7.83	Scale 1:50
Client:	Thakeham Client		Dates: 21/08/2018	Logged By AP

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50 - 10.95	D					
		10.50	S	N=28 (12,12/7,6,6,9)				
		11.00	D					
		11.50	D					
		12.00 - 12.45	D					
		12.00	S	N=32 (6,14/6,8,8,10)				
		12.50	D					
		13.00	D					
		13.50 - 13.95	D					
		13.50	S	50 (15,10/50 for 150mm)				
		14.00	D					
		14.50 - 14.95	D					
		14.50	S	N=32 (8,10/9,9,6,8)				
		15.00	D		15.00	-7.17		End of Borehole at 15.00m

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
200	3.00	9.00	9.00			
150	15.00					

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Trial Pit Log

TrialPit No
DCP10
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503384.25 - 103256.13 Level: 8.18	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.17	8.01		Grass overlying dark brown sandy silt. MADE GROUND
				0.60	7.58		Light brown very sandy silt with brick and concrete fragments. MADE GROUND
							End of Pit at 0.60m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks

Stability

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Trial Pit Log

TrialPit No
DCP12
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503362.21 - 103208.34 Level: 7.95	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.18	7.77		Grass overlying dark brown sandy silt. MADE GROUND
				0.60	7.35		Dark brown very sandy silt with glass, brick and concrete fragments. MADE GROUND End of Pit at 0.60m

Water Strike: Depth Strike	Rose to (mbgl)	Remarks
		Stability

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Trial Pit Log

TrialPit No
DCP14
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503320.39 - 103212.94 Level: 8.40	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.10	8.30		Grass overlying dark brown sandy silt. MADE GROUND
							Light brown very sandy silt with brick and concrete fragments. MADE GROUND
				0.60	7.80		End of Pit at 0.60m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks

Stability

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Trial Pit Log

TrialPit No
DCP15
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503317.81 - 103236.41 Level: 8.08	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.60	7.48		Dark brown and black silty sand with brick, concrete and glass. MADE GROUND
							End of Pit at 0.60m

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Water Strikes: Depth Strike | Rose to (mbgl)

Remarks

Stability

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Trial Pit Log

TrialPit No
DCP17
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503322.07 - 103280.53 Level: 8.21	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15	8.06		Grass overlying dark brown sandy silt. MADE GROUND
				0.60	7.61		Light brown very sandy silt with brick and concrete fragments. MADE GROUND End of Pit at 0.60m

Water Strike: Depth Strike	Rose to (mbgl)	Remarks
		Stability

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Trial Pit Log

TrialPit No
DCP19
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503325.48 - 103308.59 Level: 7.76	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.60	7.16		Dark brown and black silty sand with brick, concrete and glass. MADE GROUND End of Pit at 0.60m

Water Strikes: Depth Strike | Rose to (mbgl)

Remarks

Stability

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Trial Pit Log

TrialPit No
DCP2
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503444.94 - 103290.96 Level: 7.60	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.12	7.48		Grass overlying dark brown sandy silt. MADE GROUND
				0.58	7.02		Light brown very sandy silt with brick and concrete fragments. MADE GROUND
				0.60	7.00		Dark brown and black silty sand with brick, concrete and glass. MADE GROUND
							End of Pit at 0.60m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks

Stability

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Trial Pit Log

TrialPit No
DCP20
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503345.35 - 103296.07 Level: 8.10	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15	7.94		Grass overlying dark brown sandy silt. MADE GROUND
				0.60	7.50		Light brown very sandy silt with plastic, brick and concrete fragments. MADE GROUND
							End of Pit at 0.60m

Water Strikes: Depth Strike | Rose to (mbgl)

Remarks

Stability

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Trial Pit Log

TrialPit No
DCP21
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503377.57 - 103287.96 Level: 7.94	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.10	7.84		Grass overlying dark brown sandy silt. MADE GROUND
							Dark brown very sandy silty with brick and concrete fragments. MADE GROUND
				0.60	7.34		End of Pit at 0.60m

Water Strike: Depth Strk | Rose to (dpth)

Remarks

Stability

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Trial Pit Log

TrialPit No
DCP24
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503416.89 - 103280.00 Level: 8.25	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.17	8.08		Grass overlying dark brown sandy silt. MADE GROUND
				0.60	7.65		Dark brown very sandy silt with brick and concrete fragments. MADE GROUND End of Pit at 0.60m

Water Strike: Depth (m)	Rose to (m)	Remarks
		Stability

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Trial Pit Log

TrialPit No: DCP4
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503423.14 - 103261.88 Level: 8.22	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.11	8.11		Grass overlying dark brown sandy silt. MADE GROUND
							Light brown very sandy silt with brick and concrete fragments. MADE GROUND
				0.60	7.62		End of Pit at 0.60m

Water Strikes: Depth Strike | Rose to (mbgl)

Remarks

Stability

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Trial Pit Log

TrialPit No
DCP6
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503404.45 - 103221.09 Level: 7.84	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m): Depth 0.60	Scale 1:25
Client: Thakeham Client			Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15	7.69		Grass overlying dark brown sandy silt. MADE GROUND
				0.60	7.24		Light brown very sandy silt with brick and concrete fragments. MADE GROUND End of Pit at 0.60m

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4
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Water Strike: Depth (m)	Rose to (m)	Remarks
		Stability

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Trial Pit Log

TrialPit No
DCP7
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503418.01 - 103200.40 Level: 7.56	Date 15/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 0.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15	7.41		Grass overlying dark brown sandy silt. MADE GROUND
				0.60	6.96		Light brown very sandy silt with brick and concrete fragments. MADE GROUND End of Pit at 0.60m

Water Strike: Depth (m)	Rose to (mbgl)	Remarks
		Stability

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Unit 7, Danworth Farm Hurstpierpoint BN6 9GL Geo-Environmental www.gesl.net	**Trial Pit Log**	TrialPit No TP101 Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503457.00 - 103291.00 Level:	Date 12/04/2018
Location: Littlehampton, West Sussex		Dimensions (m): 2.40 × 0.50 Depth 2.90	Scale 1:25
Client: Thakeham Client			Logged WH

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Turf over soft brown slightly sandy slightly gravelly silt with abundant rootlets (to 0.2m). Gravel is fine to coarse fragments of flint, brick, glass, nail, concrete, and tiles MADE GROUND
				0.70			LANDFILL: Dark brown to black including sand, fragments of brick and concrete, metal, fabric, glass bottles and plastic. With frequent roots. MADE GROUND
				1.50			Brownish yellow slightly silty gravelly SAND. Gravel is fine to medium rounded to sub-angular flint. RIVER TERRACE DEPOSITS
				2.40			Soft to firm brownish yellow and orange mottled slightly gravelly sandy CLAY. Gravel is fine to medium rounded to sub-angular flint. RIVER TERRACE DEPOSITS
				2.90			End of Pit at 2.90m

Water Strike: Depth Strike | Rose to (depth)

Remarks: Groundwater not encountered. Soakage test carried out within natural material.

Stability: Unstable within the landfill

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Trial Pit Log

TrialPit No
TP102
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503422.00 - 103179.00 Level:	Date 12/04/2018
Location: Littlehampton, West Sussex		Dimensions (m): 2.30 × 0.50 Depth 3.00	Scale 1:25
Client: Thakeham Client			Logged WH

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.25			Turf over brown slightly sandy gravelly silt. Gravel is fine to coarse fragments of flint, brick, glass, and concrete. MADE GROUND
				2.10			LANDFILL: Dark brown to black including sand, fragments of brick and concrete, metal, fabric, glass bottles, plastic and wood. With occasional roots. MADE GROUND
				3.00			Soft orangeish brown and grey mottled sandy fissured CLAY with occasional red staining. RIVER TERRACE DEPOSITS
							End of Pit at 3.00m

Water Strikes: Depth Strike | Rose to (depth)

Remarks: Groundwater not encountered. Soakage test carried out within natural material.

Stability: Unstable within the landfill

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Trial Pit Log

TrialPit No: TP103
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503450.00 - 103224.00	Date 12/04/2018
Location: Littlehampton, West Sussex		Dimensions (m): 2.50 x 0.50, Depth 3.00	Scale 1:25
Client: Thakeham Client			Logged WH

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.25			Turf over brown gravelly slightly sandy clay with frequent rootlets. Gravel is fine to medium rounded to sub-angular flint. MADE GROUND
							LANDFILL: Dark brown to black including sand, fragments of brick and concrete, metal, fabric, glass bottles, plastic, wood and engine parts. With occasional roots. MADE GROUND
				2.30			Orange and yellow clayey slightly gravelly SAND. Gravel is fine to medium rounded to sub-angular flint. RIVER TERRACE DEPOSITS
				3.00			End of Pit at 3.00m

1 2 3 4 5

Water Strike: Depth 1.90 | Rose to (mbgl) 2.50

Remarks: Black malodorous water encountered at 1.9m bgl. Filled pit to 2.5m bgl after 60 minutes. Soakage test abandoned due to perched water.

Stability: Unstable within the landfill

AGS

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Trial Pit Log

TrialPit No: TP201
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503390.54 - 103230.52 Level: 7.91	Date 13/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 4.40	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.12	7.79		Grass overlying dark brown slightly sandy clayey silt. MADE GROUND
							Brown slightly clayey sandy silt with brick and concrete fragments. MADE GROUND
				0.70	7.21		Dark brown clayey silty sand with frequent glass, occasional timber, fabric, brick, concrete, plastic and metal cable. MADE GROUND
	1.80 1.80	B ES					
				2.70	5.21		Orange brown very sandy friable CLAY. RIVER TERRACE DEPOSITS
				3.90	4.01		Dark yellow and orange brown SAND with occasional fine to coarse sub-rounded flint gravel. RIVER TERRACE DEPOSITS
				4.40	3.51		End of Pit at 4.40m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks: Groundwater not encountered, backfilled with arisings.

Stability

AGS

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Trial Pit Log

TrialPit No
TP202
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503345.75 - 103268.46 Level: 8.16	Date 13/08/2018
Location: Littlehampton, West Sussex		Dimensions (m): Depth 2.20	Scale 1:25
Client: Thakeham Client			Logged

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.15	8.01		Dark grey-brown slightly fine sandy silt with rare fine brick gravel. MADE GROUND
	0.50	ES					Light brown slightly fine sandy silt with scattered brick cobbles. MADE GROUND
	1.00	ES		0.70	7.46		Dark grey-brown and red-brown silty sandy clay with abundant glass bottles, rubber, metal, paper, brick, plastic. MADE GROUND
	1.50	ES					
	2.00	ES		1.70	6.46		Firm grey-brown slightly fine sandy silty CLAY RIVER TERRACE DEPOSITS
				2.20	5.96		End of Pit at 2.20m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks: Groundwater not encountered, backfilled with arisings.

Stability

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Trial Pit Log

TrialPit No: TP203
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503414.27 - 103301.30 Level: 8.09	Date 14/08/2018
Location: Littlehampton, West Sussex		Dimensions (m): Depth 2.00	Scale 1:25
Client: Thakeham Client			Logged

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.15	7.94		Light brown slightly fine sandy silt with scattered brick cobbles. MADE GROUND
	0.50	ES					Light grey brown medium sand with rare fine brick gravel. MADE GROUND
	1.00	ES		0.80	7.29		Grey-brown and red-brown silty sandy clay with abundant brick and concrete rubble and scattered glass and ceramic fragments. MADE GROUND
	1.50	ES					
	2.00	ES		1.90 2.00	6.19 6.09		Firm dark grey-brown slightly fine sandy silty CLAY. RIVER TERRACE DEPOSITS End of Pit at 2.00m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks: Groundwater not encountered, backfilled with arisings.

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No
TP204
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503454.67 - 103284.95 Level: 7.74	Date 14/08/2018
Location: Littlehampton, West Sussex		Dimensions (m): Depth 2.00	Scale 1:25
Client: Thakeham Client			Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass overlying dark brown slightly sandy clayey silt. MADE GROUND
	0.20	ES		0.20	7.54		Dark grey and dark brown clayey silty sand with plastic, brick, fabric, bones, timber and metal. MADE GROUND
	0.50	ES					
	1.00	ES					
	1.50	ES					
				1.80	5.94		Orange brown sandy silty CLAY. RIVER TERRACE DEPOSITS
	2.00	ES					End of Pit at 2.00m
				2.20	5.54		

Water Strike: Depth Strike | Rose to (mbgl)

Remarks: Groundwater not encountered, backfilled with arisings.

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No: TP205
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503404.75 - 103259.25 Level: 8.19	Date 14/08/2018
Location: Littlehampton, West Sussex		Dimensions (m):	Scale 1:25
Client: Thakeham Client		Depth 4.60	Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.15	8.04		Grass overlying dark brown slightly sandy clayey silt. MADE GROUND
	0.50	ES					Brown sandy silt/silty sand with frequent brick and concrete fragments and rare pieces of metal. MADE GROUND
	1.00	ES		0.65	7.54		Dark grey, black and dark brown clayey sand, sandy clay with frequent ash and glass and occasional plastic, metal, clay tile, brick, concrete, frabric and sandy clay bands. MADE GROUND
	1.50	ES					
	2.00	ES		2.10	6.08		Dark grey friable sandy clay with a slight organic malodour. MADE GROUND
	2.50	ES		2.70	5.48		Orange brown very sandy CLAY. RIVER TERRACE DEPOSITS
	3.00	ES					
				4.40	3.78		Orange brown medium SAND. RIVER TERRACE DEPOSITS
				4.60	3.58		End of Pit at 4.60m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks: Groundwater not encountered, backfilled with arisings.

Stability

AGS

ARUN DISTRICT COUNCIL LU/330/18/PL

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No
TP206
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503410.61 - 103171.35 Level: 7.34	Date 14/08/2018
Location: Littlehampton, West Sussex		Dimensions (m): Depth 2.20	Scale 1:25
Client: Thakeham Client			Logged AP

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.20	7.14		Grass overlying brown silty clayey sand with occasional brick fragments. MADE GROUND
	0.50	ES					Dark brown and dark grey clayey silty sand with frequent glass, plastic bags, brick, fabric, bones, timber and metal. MADE GROUND
	1.00	ES					
	1.50	ES					
				1.80	5.54		Orange brown sandy silty CLAY. RIVER TERRACE DEPOSITS
	2.00	ES					
				2.20	5.14		End of Pit at 2.20m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks: Groundwater not encountered, backfilled with arisings.

Stability

AGS

Unit 7, Danworth Farm Hurstpierpoint BN6 9GL Geo-Environmental www.gesl.net	Trial Pit Log	TrialPit No TP207 Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503351.83 - 103180.74 Level: 8.04	Date 14/08/2018
Location: Littlehampton, West Sussex		Dimensions (m): Depth 2.20	Scale 1:25
Client: Thakeham Client			Logged AP

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.10	7.94		Grass overlying dark brown slightly sandy clayey silt. MADE GROUND
	0.20	ES					Brown slightly clayey, sandy silt with frequent brick, concrete and flint gravel, rare tarmacadam and roots (<5mm diameter). MADE GROUND
	0.50	ES					
				0.60	7.44		Brown, dark brown and dark grey slightly clayey very silty sand with frequent glass, plastic, concrete, brick and ash. MADE GROUND
	1.00	ES					
	1.50	ES					
	2.00	ES		2.00	6.04		Dark grey brown slightly clayey, sandy silt. MADE GROUND
				2.20	5.84		End of Pit at 2.20m

Water Strike: Depth Strike	Rose to (mbgl)	Remarks	Groundwater not encountered, backfilled with arisings.
		Stability	

AGS

ARUN DISTRICT COUNCIL LU/330/18/PL

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No
TP208
Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503313.94 - 103187.17 Level: 8.20	Date 14/08/2018
Location: Littlehampton, West Sussex		Dimensions (m): Depth 2.30	Scale 1:25
Client: Thakeham Client			Logged AP

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.20	ES		0.15	8.05		Grass overlying dark brown slightly sandy clayey silt. MADE GROUND
	0.50	ES					Light brown slightly clayey sandy silt with occasional brick and concrete fragments. MADE GROUND
	1.00	ES		0.80	7.40		Dark brown and dark grey silty sand and sandy clay with abundant glass, occasional plastic, concrete, brick, china, ash and rope. MADE GROUND
	1.50	B					
	1.50	ES					
	2.00	ES		2.00	6.20		Orange brown firable sandy CLAY. RIVER TERRACE DEPOSITS
				2.30	5.90		End of Pit at 2.30m

Water Strike: Depth Strike | Rose to (mins)

Remarks: Groundwater not encountered, backfilled with arisings.

Stability

AGS

ARUN DISTRICT COUNCIL LU/330/18/PL

Unit 7, Danworth Farm Hurstpierpoint BN6 9GL Geo-Environmental www.gesl.net	**Trial Pit Log**	TrialPit No TP209 Sheet 1 of 1

Project Name: Cornfield Close, Littlehampton	Project No. GE17106	Co-ords: 503393.87 - 103262.44 Level: 8.36	Date 14/08/2018
Location: Littlehampton, West Sussex		Dimensions (m): Depth 4.50	Scale 1:25
Client: Thakeham Client			Logged AP

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.12	8.24		Grass overlying dark brown slightly sandy clayey silt. MADE GROUND
							Light brown very sandy silt with frequent fine to coarse sub-rounded flint gravel, rare brick, concrete and plastic. MADE GROUND
				1.02	7.34		Dark brown, dark grey silty sand with abundant ash, frequent glass, occasional fabric, plastic, rare metal, paper and rubber. MADE GROUND
	1.50 1.50	B ES					
				2.12	6.24		Orange brown sandy CLAY. RIVER TERRACE DEPOSITS
				4.20	4.16		Dark yellow and orange brown SAND with occasional fine to coarse sub-rounded flint gravel. RIVER TERRACE DEPOSITS
				4.40	3.96		Light brown slightly chalky SAND. RIVER TERRACE DEPOSITS
				4.50	3.86		End of Pit at 4.50m

Water Strike: Depth Strike | Rose to (mbgl)

Remarks: Groundwater not encountered, backfilled with arisings.

Stability

AGS

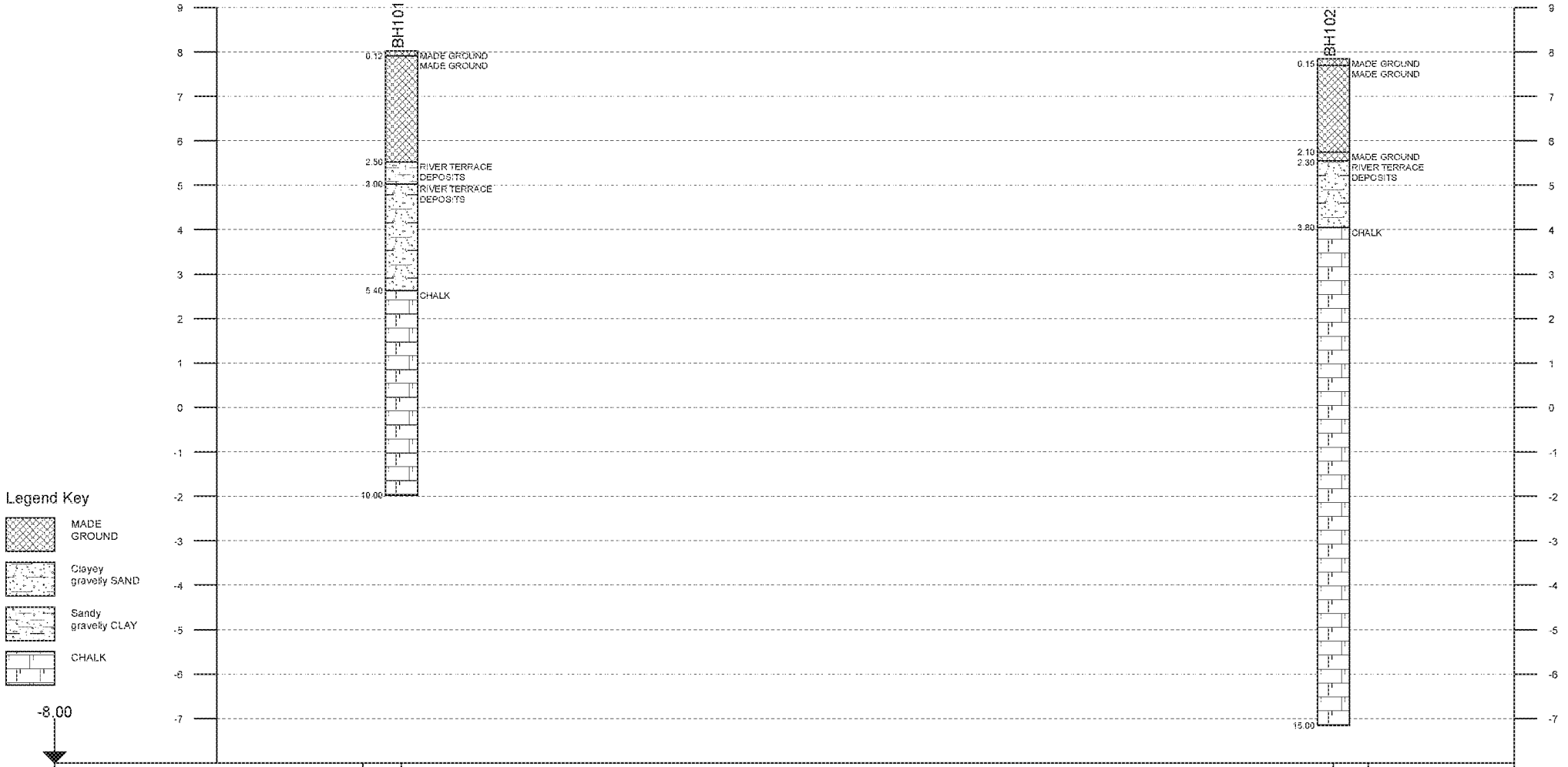
ARUN DISTRICT COUNCIL LU/330/18/PL

ARUN DISTRICT COUNCIL LW/330/18/PL

Project Id: GE17106
Project Title: Cornfield Close, Littlehampton
Location: Littlehampton, West Sussex
Client: Thakeham Client

Title: Section line 1
Vertical Scale: 1:131
Horizontal Scale: 1:396
Engineer: Anthony

Geo-Environmental

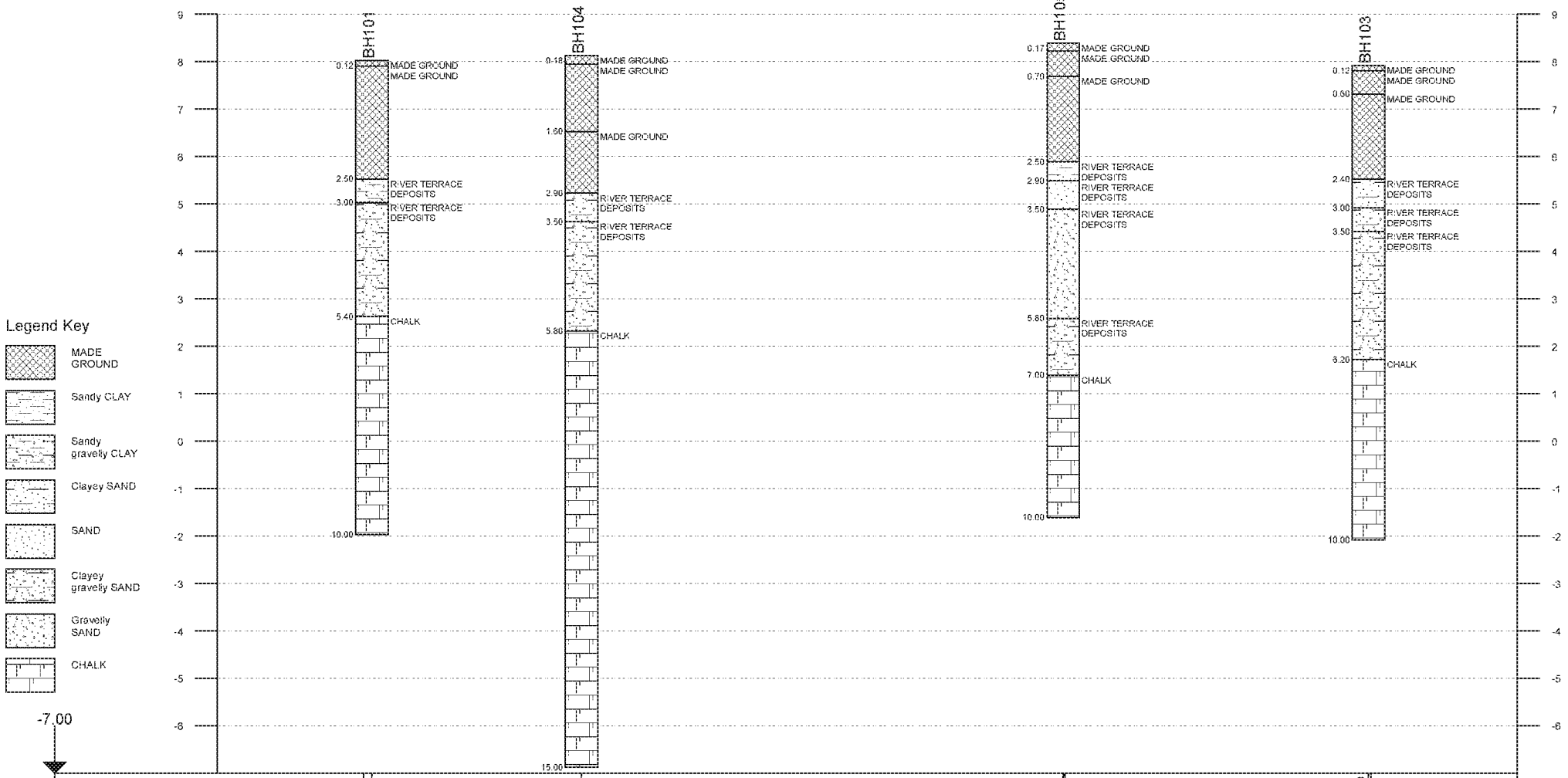


ARUN DISTRICT COUNCIL LW/330/18/PL

Project Id: GE17106
Project Title: Cornfield Close, Littlehampton
Location: Littlehampton, West Sussex
Client: Thakeham Client

Title: Section line 2
Vertical Scale: 1:123
Horizontal Scale: 1:805
Engineer: Anthony

Geo-Environmental

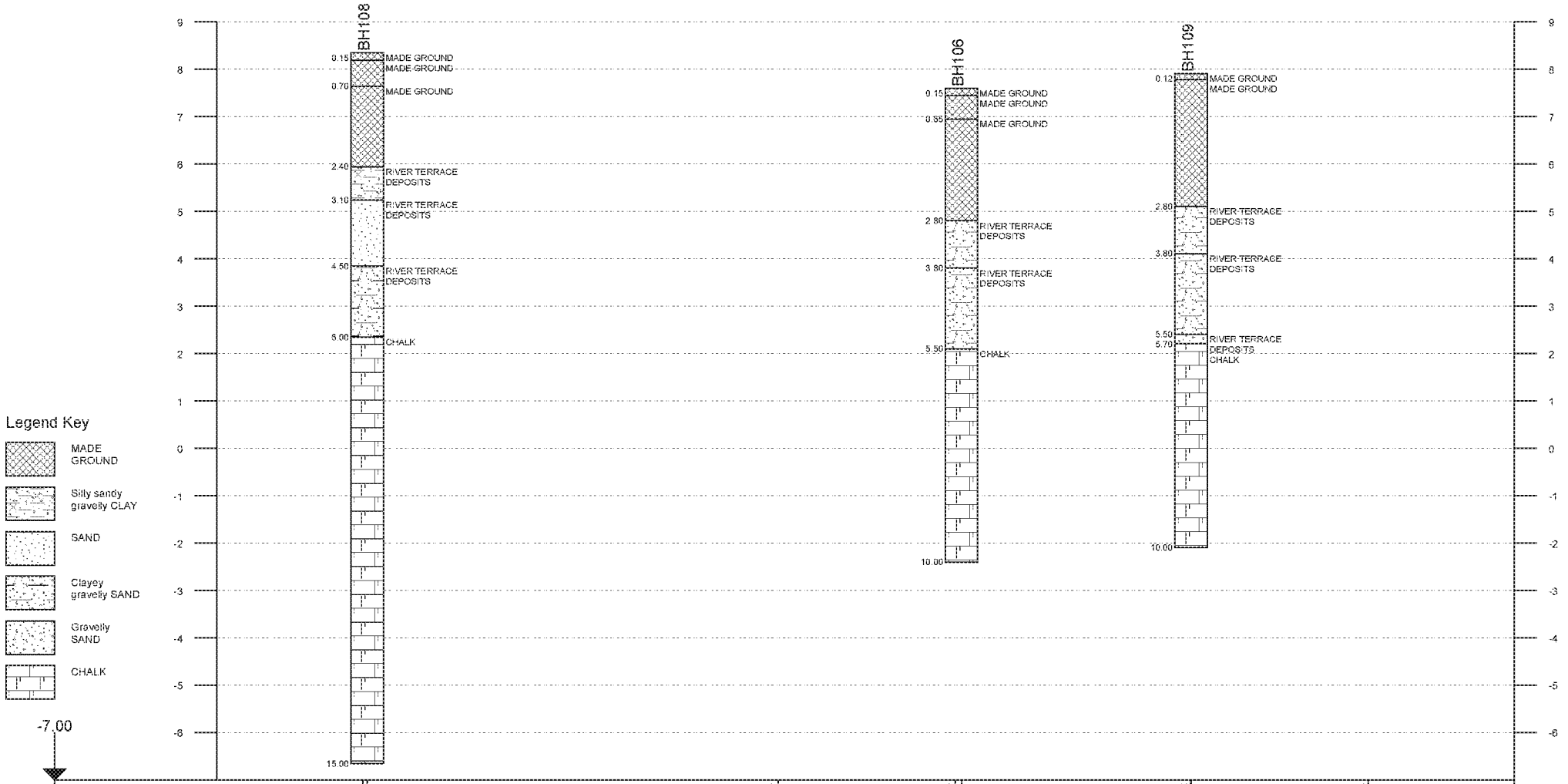


ARUN DISTRICT COUNCIL LU/330/18/PL

Project Id: GE17106
Project Title: Cornfield Close, Littlehampton
Location: Littlehampton, West Sussex
Client: Thakeham Client

Title: Section line 3
Vertical Scale: 1:123
Horizontal Scale: 1:1404
Engineer: Anthony

Geo-Environmental

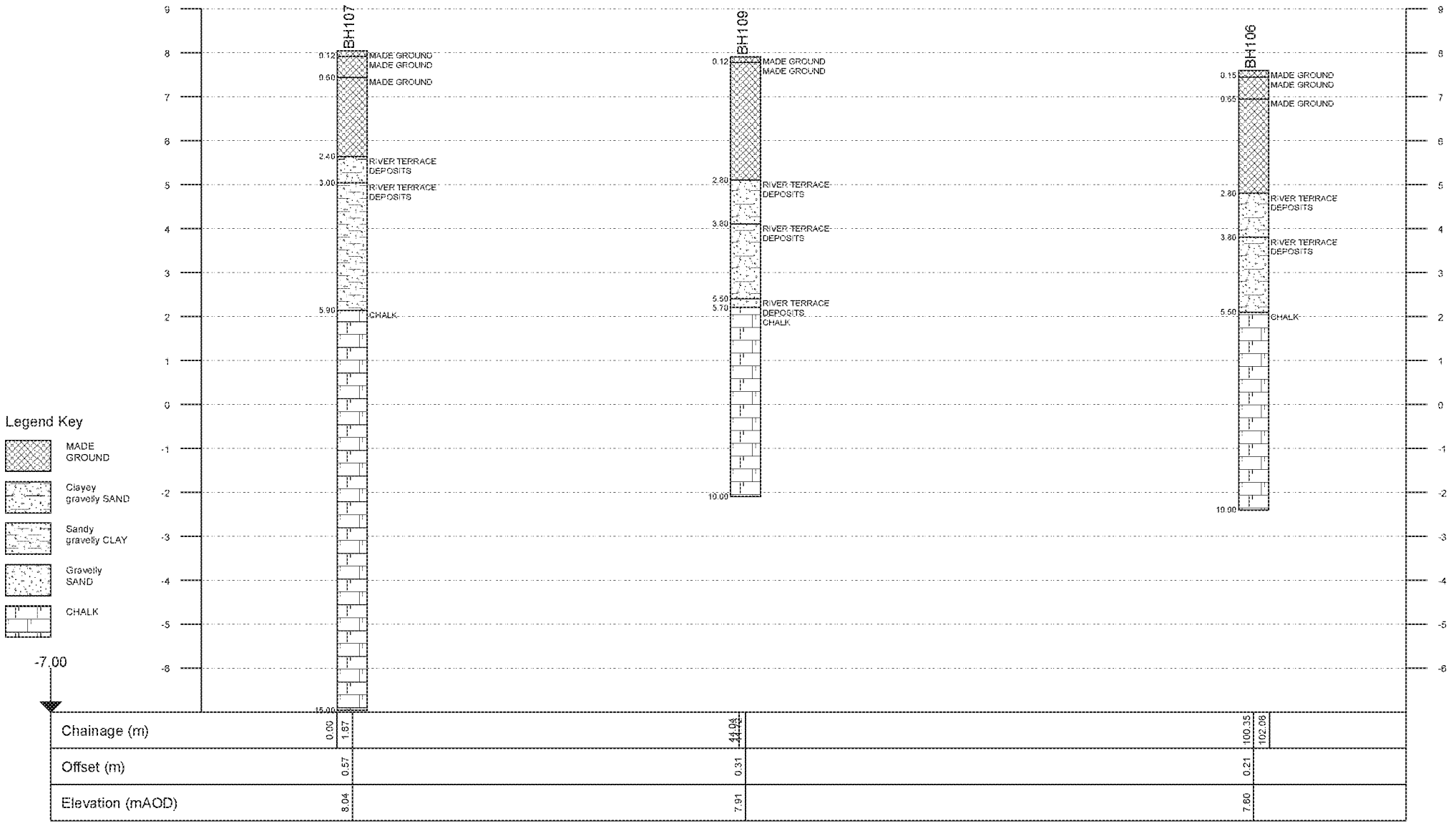


ARUN DISTRICT COUNCIL LW/330/18/PL

Project Id: GE17106
Project Title: Cornfield Close, Littlehampton
Location: Littlehampton, West Sussex
Client: Thakeham Client

Title: Section line 3
Vertical Scale: 1:123
Horizontal Scale: 1:592
Engineer: Anthony

Geo-Environmental

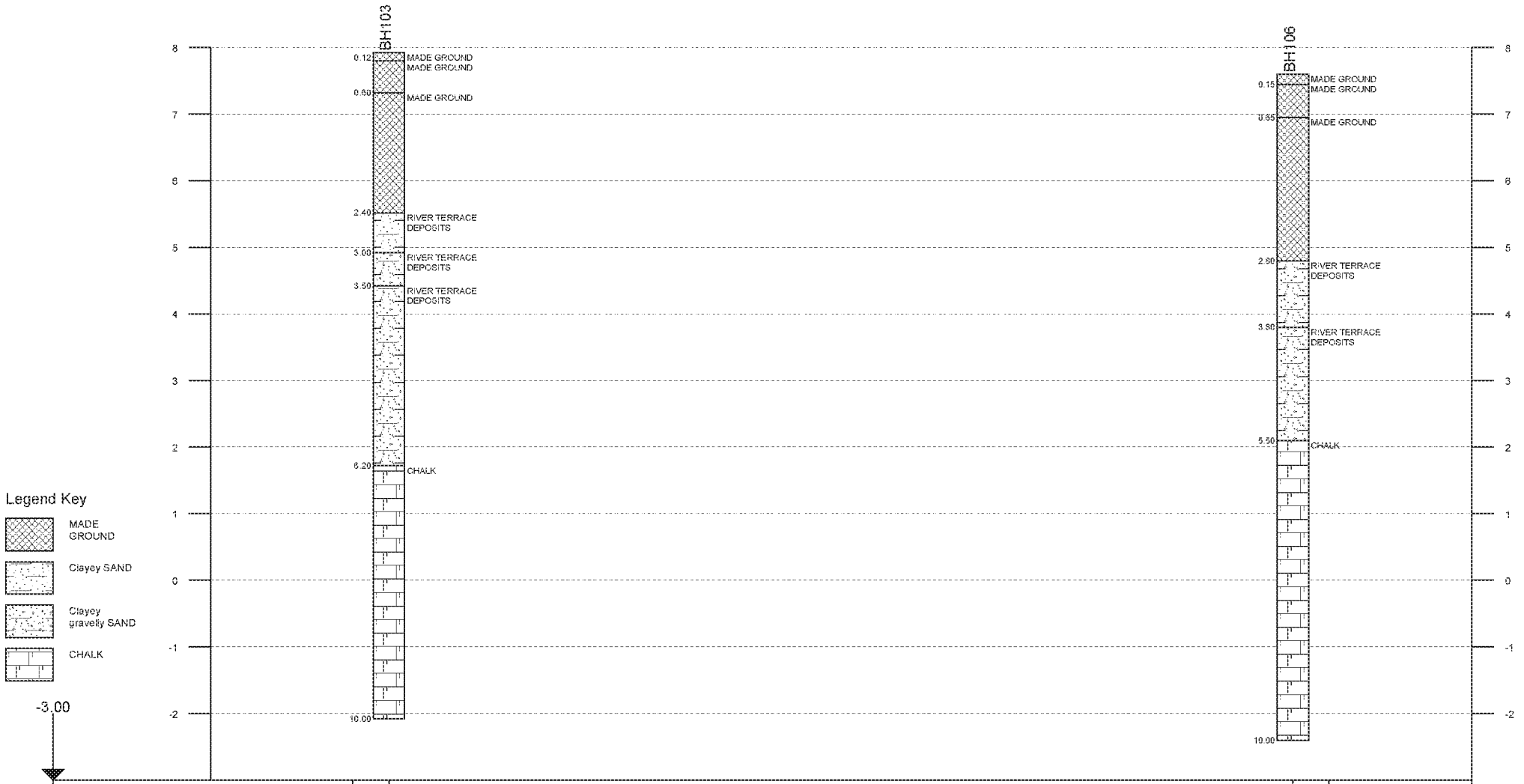


ARUN DISTRICT COUNCIL LU/330/18/PL

Project Id: GE17106
Project Title: Cornfield Close, Littlehampton
Location: Littlehampton, West Sussex
Client: Thakeham Client

Title: Section line 3
Vertical Scale: 1:85
Horizontal Scale: 1:316
Engineer: Anthony

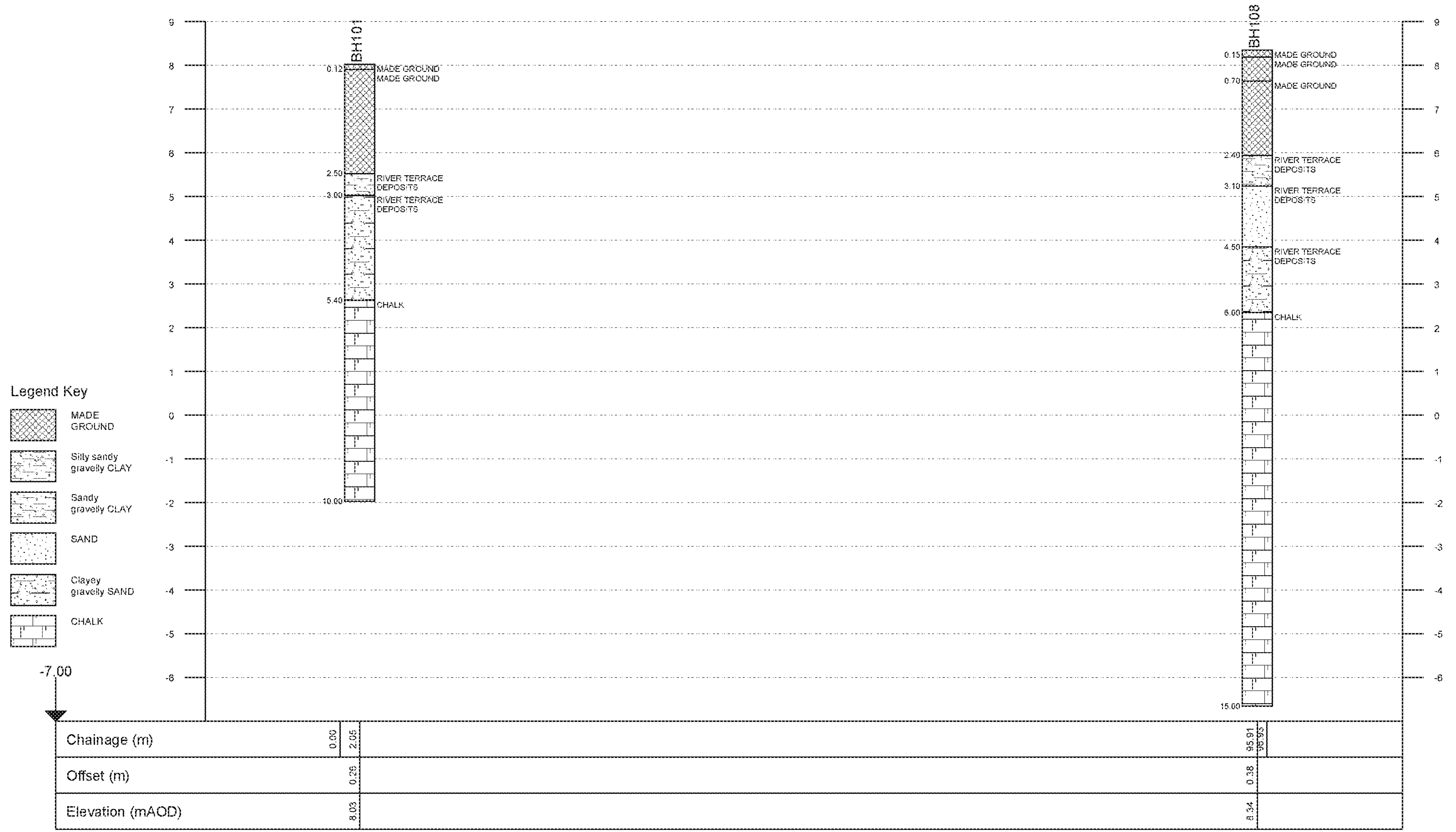
Geo-Environmental



ARUN DISTRICT COUNCIL LU/330/18/PL

Project Id: GE17106	Title: Section line 4
Project Title: Cornfield Close, Littlehampton	Vertical Scale: 1:123
Location: Littlehampton, West Sussex	Horizontal Scale: 1:562
Client: Thakeham Client	Engineer: Anthony

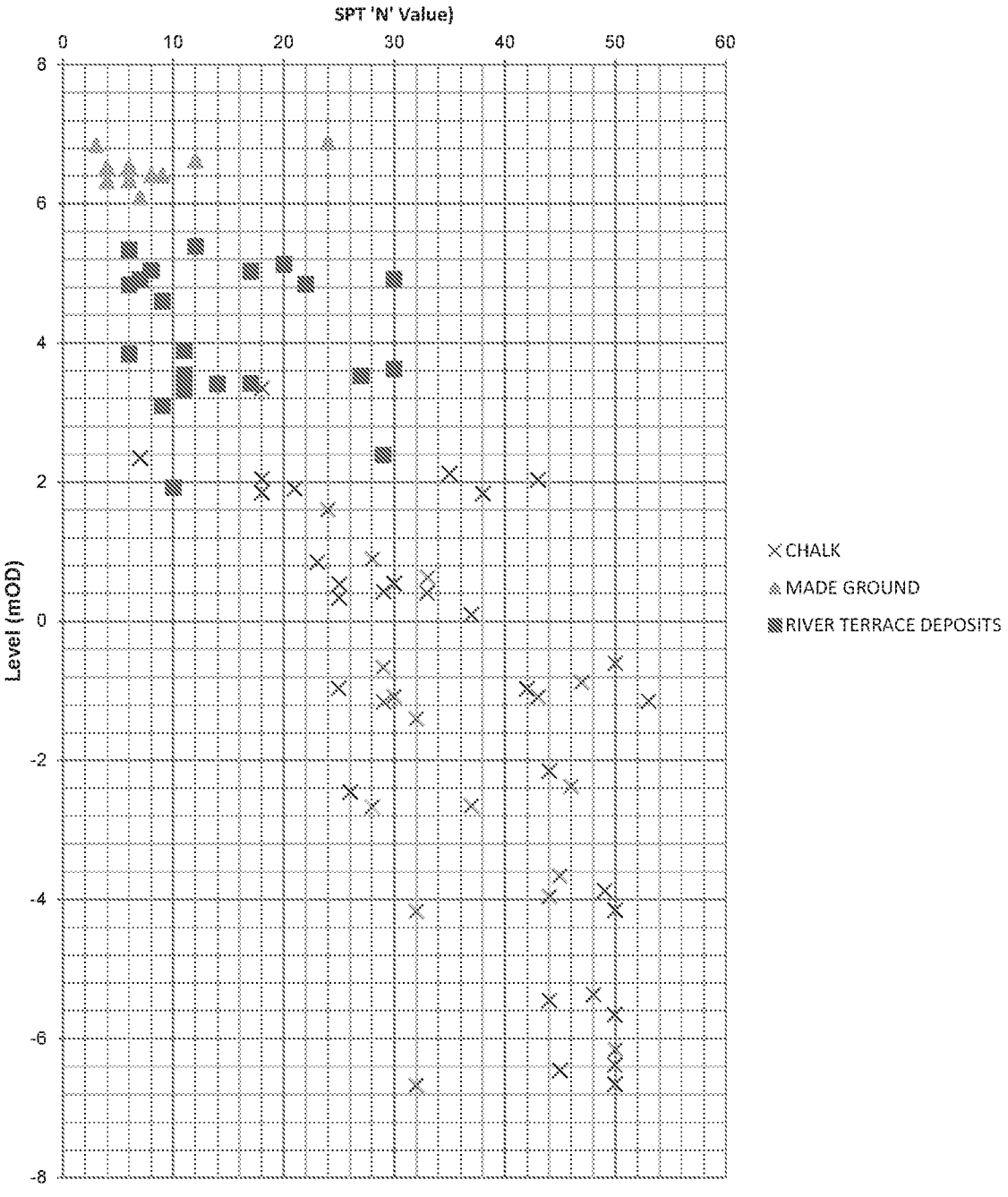
Geo-Environmental



Geo-Environmental
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, BN6 9GL,
Tel 01273832972

SPT vs Level

Project ID: **GE17106**		Project Title:	**Cornfield Close, Littlehampton**
Client: **Thakeham Client**		Location:	**Littlehampton, West Sussex**



Date Reported: **04/10/2018**

Engineer: **Anthony**

ARUN DISTRICT COUNCIL LU/330/18/PL

APPENDIX B

Geotechnical Laboratory Results

Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No.	Project Name	Programme	
25197	Cornfield Close, Littlehampton	Samples received	21-29/08/2018
		Schedule received	18/09/2018
Project No.	Client	Project started	19/09/2018
GE17106	GESL	Testing Started	28/09/2018

Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type		%	%	%	%	%	
BH103	16	5.50	-	D	Orangish brown very gravelly very clayey SAND (gravel is fmc and sub-angular)	13	73	23	17	6	
BH104	10	5.00	-	D	Brown slightly clayey silty gravelly SAND (gravel is fm and sub-angular)	6.3	-	-	-	-	Non plastic
BH108	10	2.50	-	D	Brown mottled dark grey slightly gravelly silty sandy CLAY (gravel is fm and sub-angular)	32	96	45	24	21	
BH109	11	3.00	-	D	Brown gravelly clayey SAND (gravel is fm and sub-angular to sub-rounded)	9.1	85	21	12	9	
BH110	9	2.50	-	D	Greenish grey and grey mottled slightly gravelly silty sandy CLAY (gravel is fm and sub-angular to sub-rounded)	14	96	25	12	13	

Test Methods: BS1377: Part 2: 1990:
Natural Moisture Content : clause 3.2
Atterberg Limits: clause 4.3 and 5.0

Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

Tel: 01923 711 288
Email: James@k4soils.com

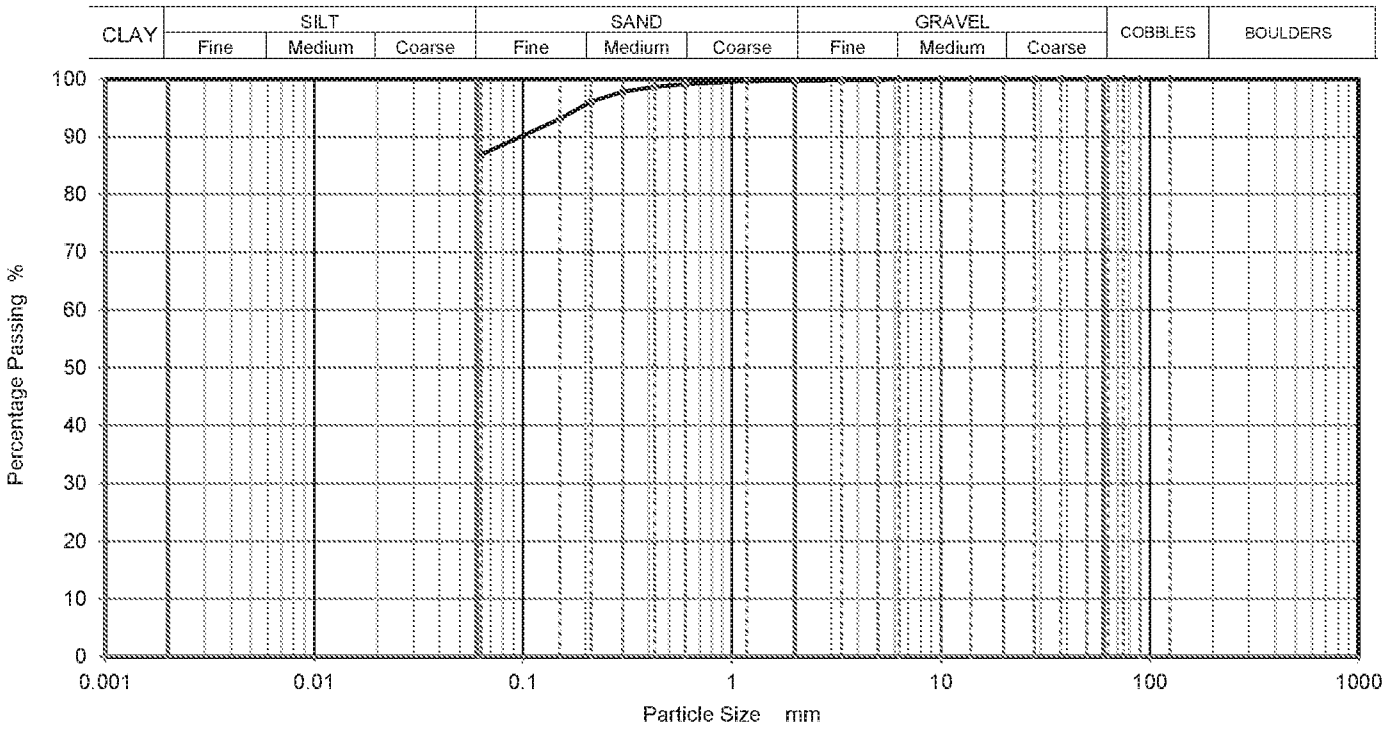
Checked and Approved
Initials J.P
Date: 03/10/2018

2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr) MSF-5-R1(b)

ARUN DISTRICT COUNCIL LU/330/18/PL

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH101
Project No.	GE17106	Client	GESL	Sample No.	8
				Depth Top	2.50 m
Soil Description	Brown mottled dark grey slightly sandy silty CLAY with rare fine gravel			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	02/10/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	99		
0.425	99		
0.3	98		
0.212	96		
0.15	93		
0.063	87		

Dry Mass of sample, g	35

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.3
Sand	12.8
Fines <0.063mm	86.9

Grading Analysis		
D100	mm	
D60	mm	
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below

K4 Soils Laboratory

Unit 8, Olds Close, Watford, Herts, WD18 9RU

Email: james@k4soils.com

Tel: 01923 711288

Checked and Approved

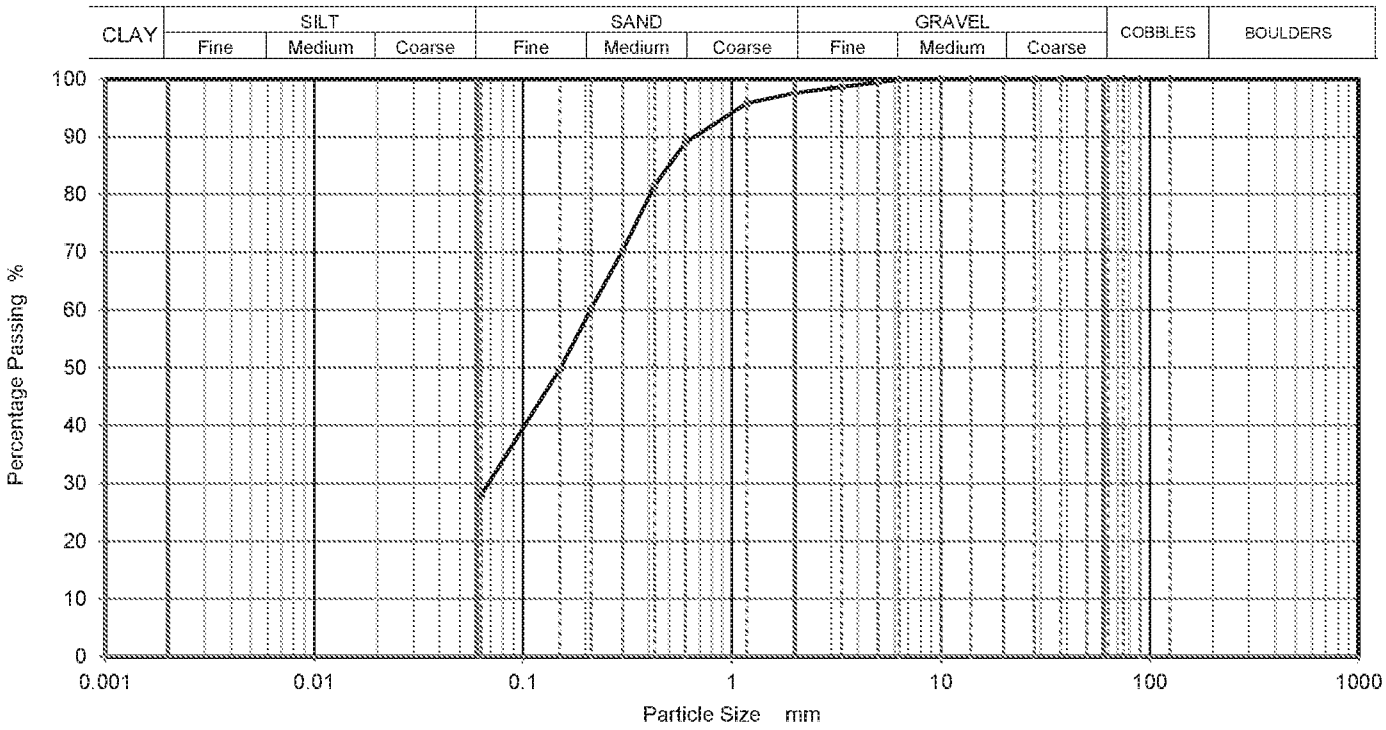
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Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/1

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH101
Project No.	GE17106	Client	GESL	Sample No.	35
				Depth Top	4.50 m
Soil Description	Brown slightly gravelly very clayey SAND (gravel is fm and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	99		
3.35	99		
2	98		
1.18	96		
0.6	89		
0.425	82		
0.3	70		
0.212	60		
0.15	50		
0.063	28		

Dry Mass of sample, g	174

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	2.4
Sand	69.7
Fines <0.063mm	27.9

Grading Analysis		
D100	mm	
D60	mm	0.21
D30	mm	0.0685
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below

K4 Soils Laboratory

Unit 8, Olds Close, Watford, Herts, WD18 9RU

Email: james@k4soils.com

Tel: 01923 711288

Checked and Approved

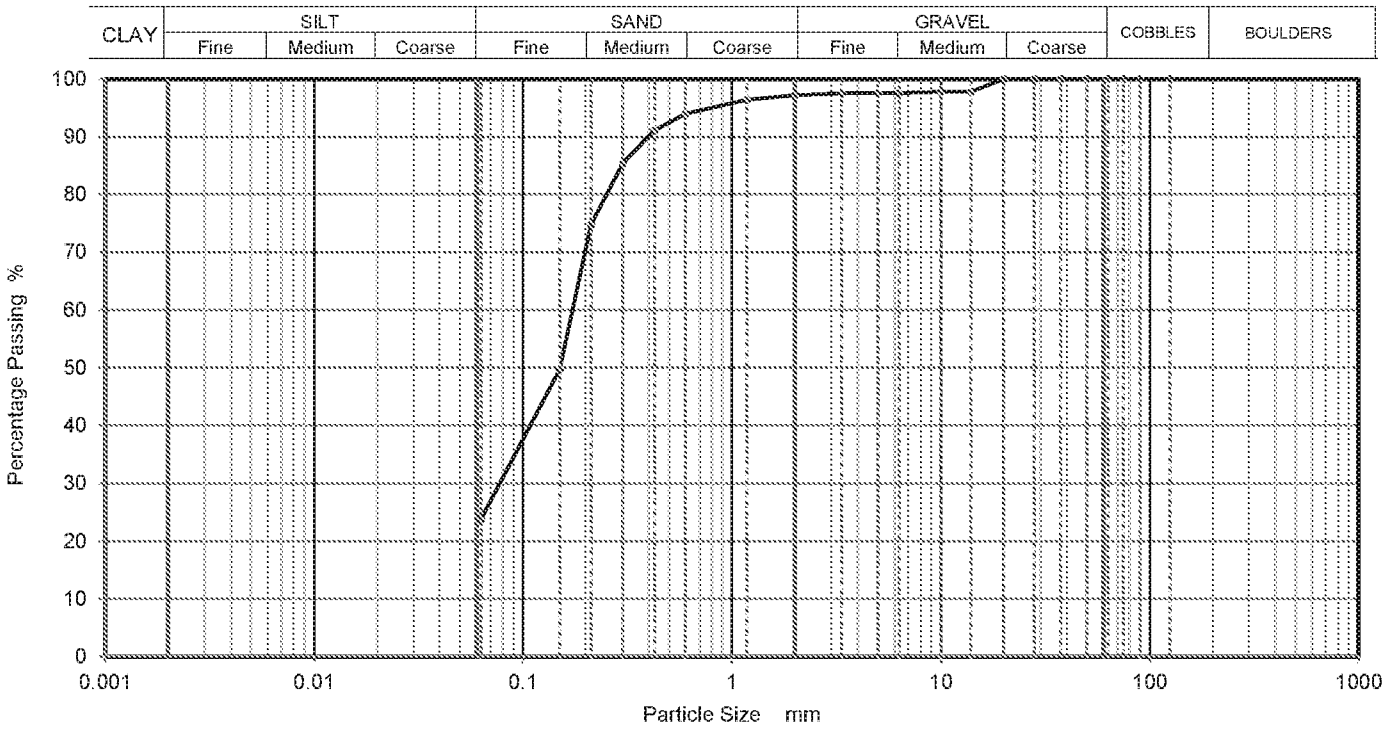
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Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH102
Project No.	GE17106	Client	GESL	Sample No.	24
				Depth Top	3.00 m
Soil Description	Orangish brown very clayey SAND with rare fm sub-rounded gravel			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	98		
10	98		
6.3	98		
5	98		
3.35	98		
2	97		
1.18	96		
0.6	94		
0.425	91		
0.3	85		
0.212	75		
0.15	50		
0.063	24		

Dry Mass of sample, g	195

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	2.8
Sand	73.4
Fines <0.063mm	23.8

Grading Analysis		
D100	mm	
D60	mm	0.173
D30	mm	0.0775
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below

K4 Soils Laboratory

Unit 8, Olds Close, Watford, Herts, WD18 9RU

Email: james@k4soils.com

Tel: 01923 711288

Checked and Approved

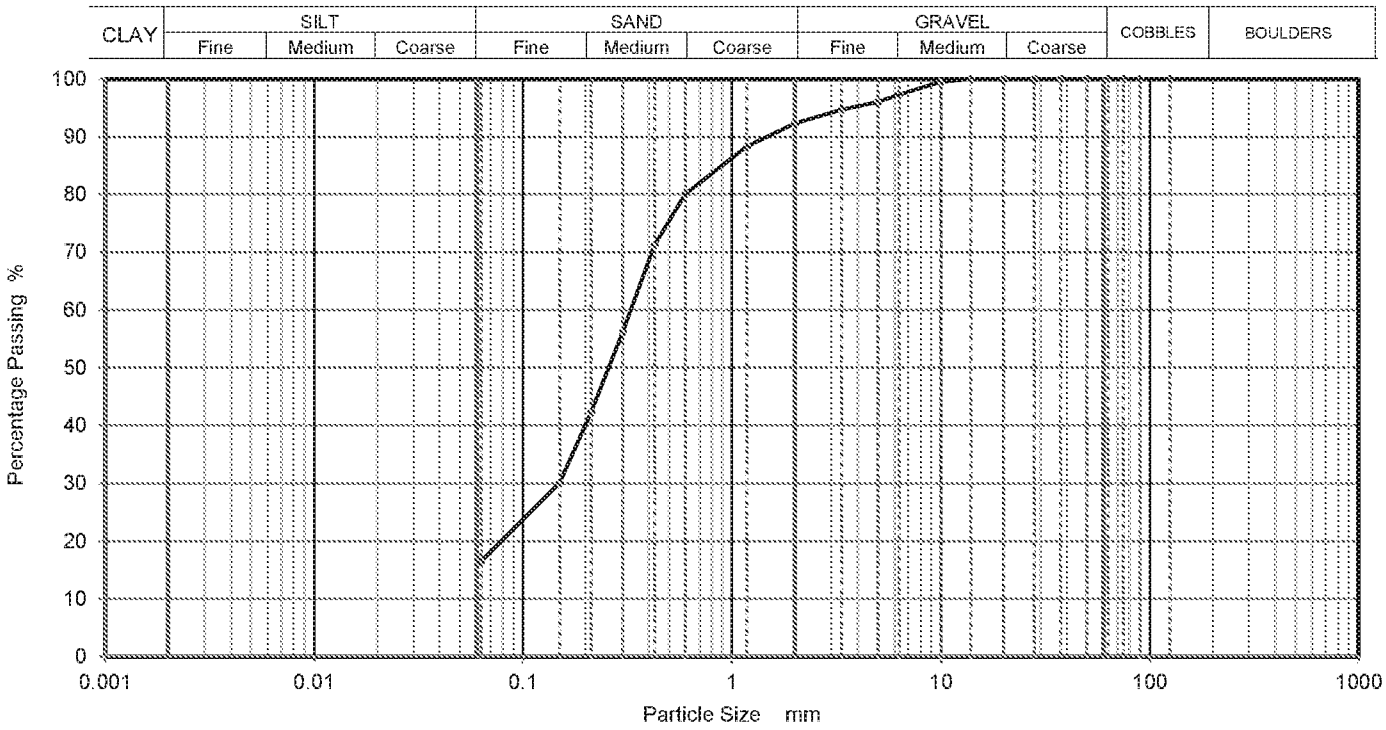
Initials: JP

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH103
Project No.	GE17106	Client	GESL	Sample No.	11
				Depth Top	3.00 m
Soil Description	Brown slightly gravelly clayey SAND (gravel is fm and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	97		
5	96		
3.35	95		
2	92		
1.18	88		
0.6	80		
0.425	71		
0.3	56		
0.212	42		
0.15	30		
0.063	17		

Dry Mass of sample, g	440

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	7.7
Sand	75.8
Fines <0.063mm	16.5

Grading Analysis		
D100	mm	
D60	mm	0.328
D30	mm	0.149
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below

K4 Soils Laboratory

Unit 8, Olds Close, Watford, Herts, WD18 9RU

Email: james@k4soils.com

Tel: 01923 711288

Checked and Approved

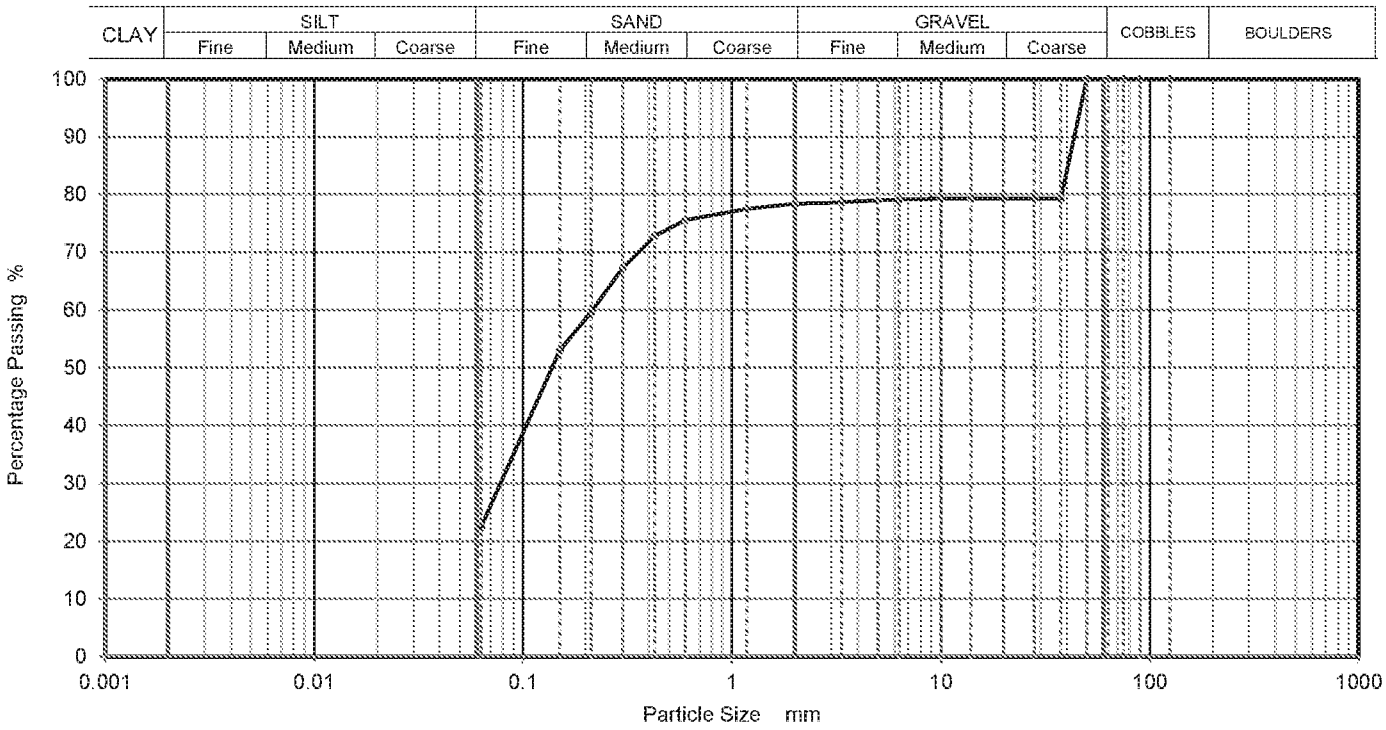
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Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH103
Project No.	GE17106	Client	GESL	Sample No.	16
				Depth Top	5.50 m
Soil Description	Orangish brown very gravelly very clayey SAND (gravel is fmc and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	79		
28	79		
20	79		
14	79		
10	79		
6.3	79		
5	79		
3.35	79		
2	78		
1.18	78		
0.6	76		
0.425	73		
0.3	67		
0.212	60		
0.15	53		
0.063	22		

Dry Mass of sample, g	431

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	21.6
Sand	56.0
Fines <0.063mm	22.4

Grading Analysis		
D100	mm	
D60	mm	0.216
D30	mm	0.0781
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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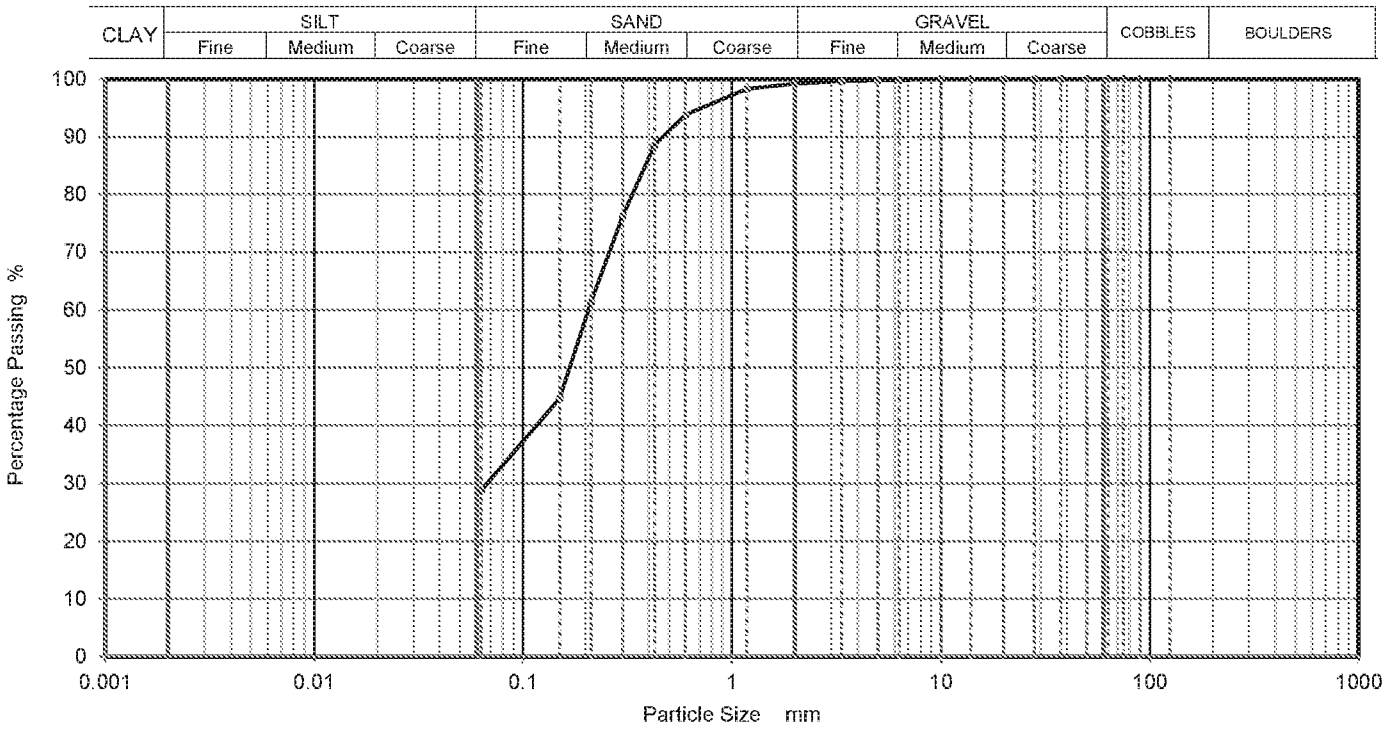
Initials: JP

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/1

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH104
Project No.	GE17106	Client	GESL	Sample No.	16
				Depth Top	3.00 m
Soil Description	Brown very clayey SAND with rare fine gravel			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	99		
1.18	98		
0.6	94		
0.425	89		
0.3	76		
0.212	61		
0.15	45		
0.063	29		

Dry Mass of sample, g	94

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.8
Sand	70.4
Fines <0.063mm	28.7

Grading Analysis		
D100	mm	
D60	mm	0.206
D30	mm	0.0675
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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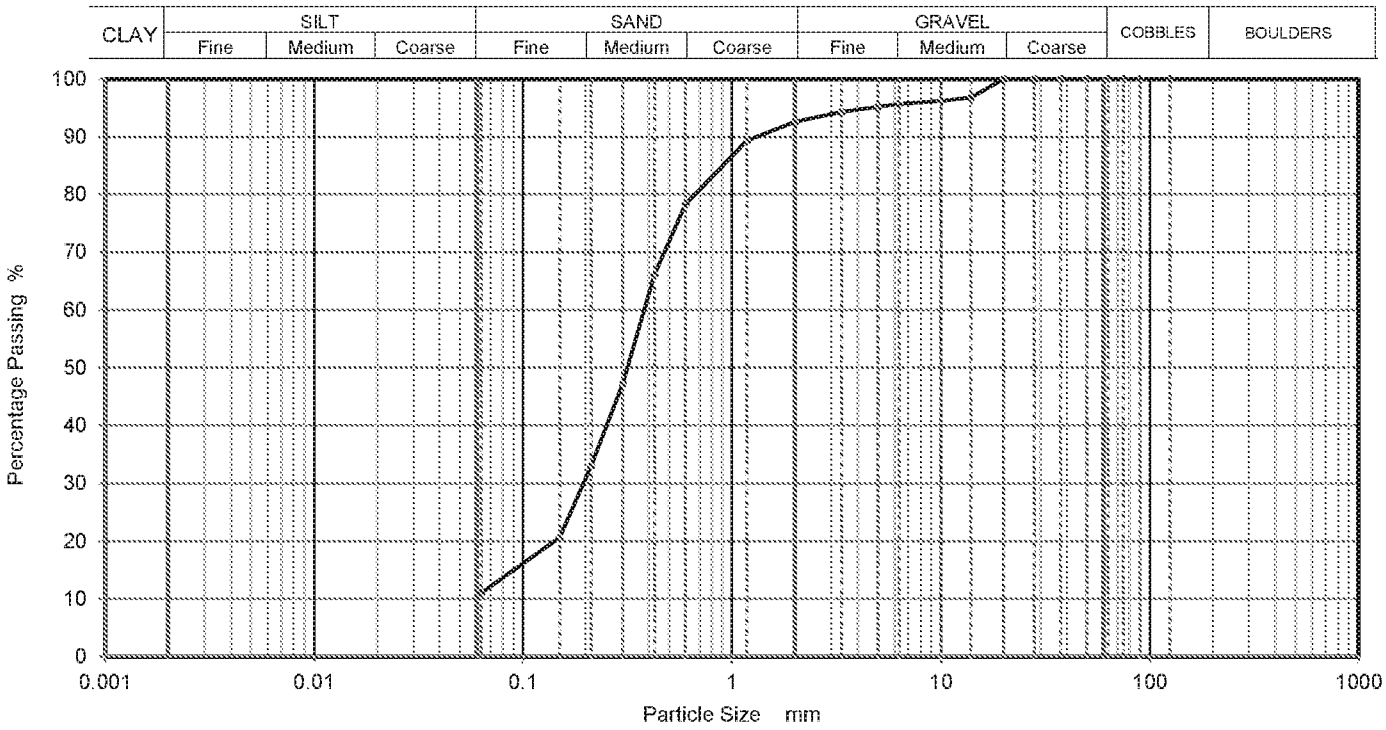
Initials: JP

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH104
Project No.	GE17106	Client	GESL	Sample No.	10
				Depth Top	5.00 m
Soil Description	Brown slightly clayey silty gravelly SAND (gravel is fm and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	97		
10	96		
6.3	96		
5	95		
3.35	94		
2	93		
1.18	89		
0.6	78		
0.425	66		
0.3	47		
0.212	33		
0.15	21		
0.063	11		

Dry Mass of sample, g	366

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	7.4
Sand	81.6
Fines <0.063mm	11.0

Grading Analysis		
D100	mm	
D60	mm	0.38
D30	mm	0.195
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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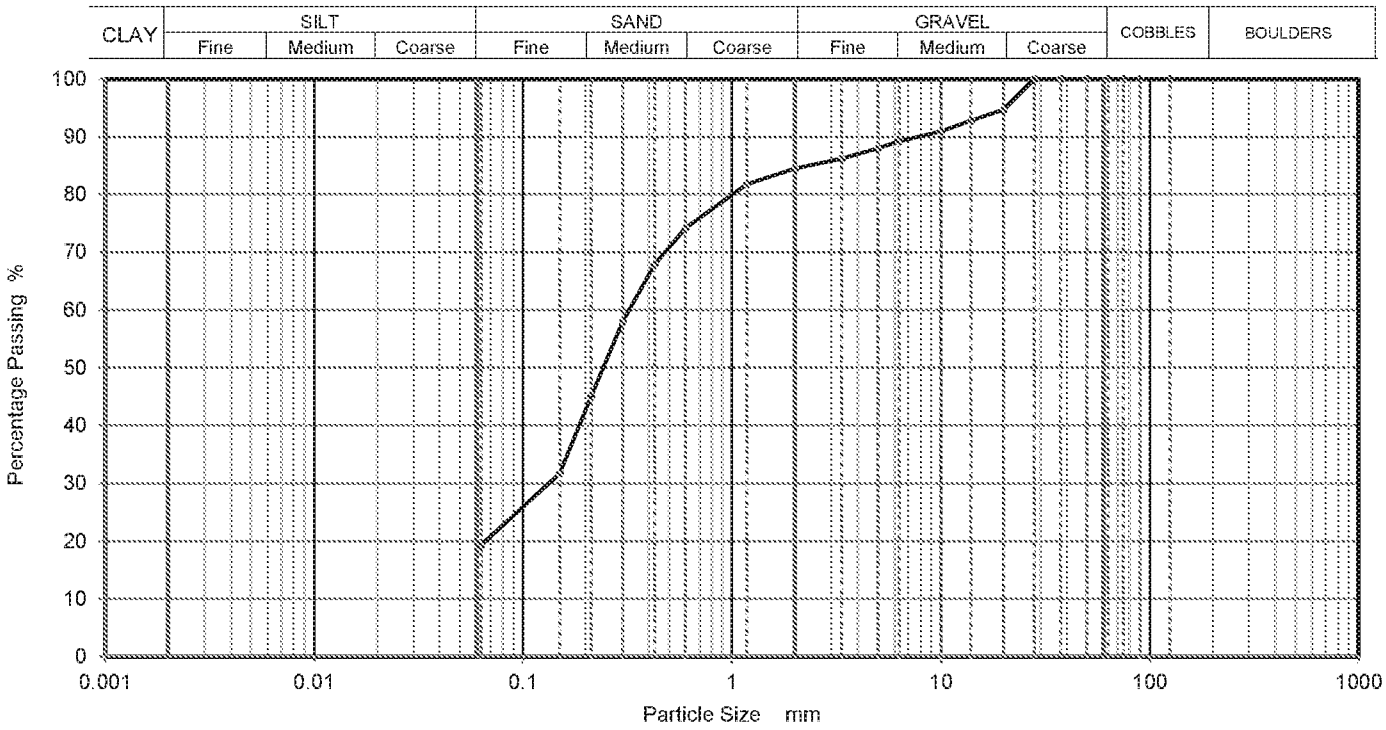
Initials: JP

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH105
Project No.	GE17106	Client	GESL	Sample No.	12
				Depth Top	4.00 m
Soil Description	Orangish brown gravelly clayey SAND (gravel is fmc and sub-rounded to sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	95		
14	93		
10	91		
6.3	89		
5	88		
3.35	86		
2	85		
1.18	82		
0.6	74		
0.425	68		
0.3	58		
0.212	45		
0.15	32		
0.063	19		

Dry Mass of sample, g: 507

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	15.5
Sand	65.3
Fines <0.063mm	19.3

Grading Analysis		
D100	mm	
D60	mm	0.323
D30	mm	0.133
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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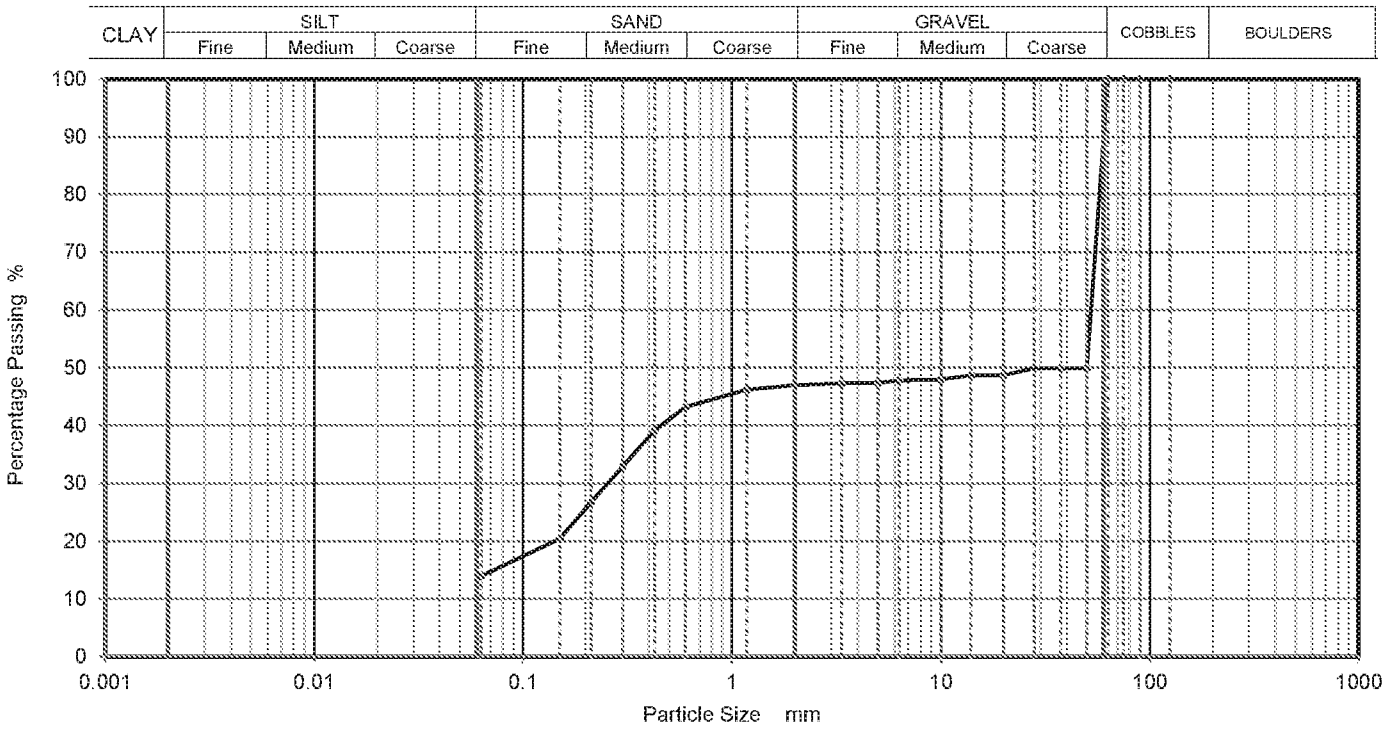
Initials: JP

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH105
Project No.	GE17106	Client	GESL	Sample No.	15
				Depth Top	5.50 m
Soil Description	Orangish brown clayey very sandy GRAVEL (gravel is fmc and sub-rounded)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	50		
37.5	50		
28	50		
20	49		
14	49		
10	48		
6.3	48		
5	47		
3.35	47		
2	47		
1.18	46		
0.6	43		
0.425	39		
0.3	33		
0.212	27		
0.15	20		
0.063	14		

Dry Mass of sample, g	1110

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	53.0
Sand	33.0
Fines <0.063mm	13.9

Grading Analysis		
D100	mm	
D60	mm	52.4
D30	mm	0.255
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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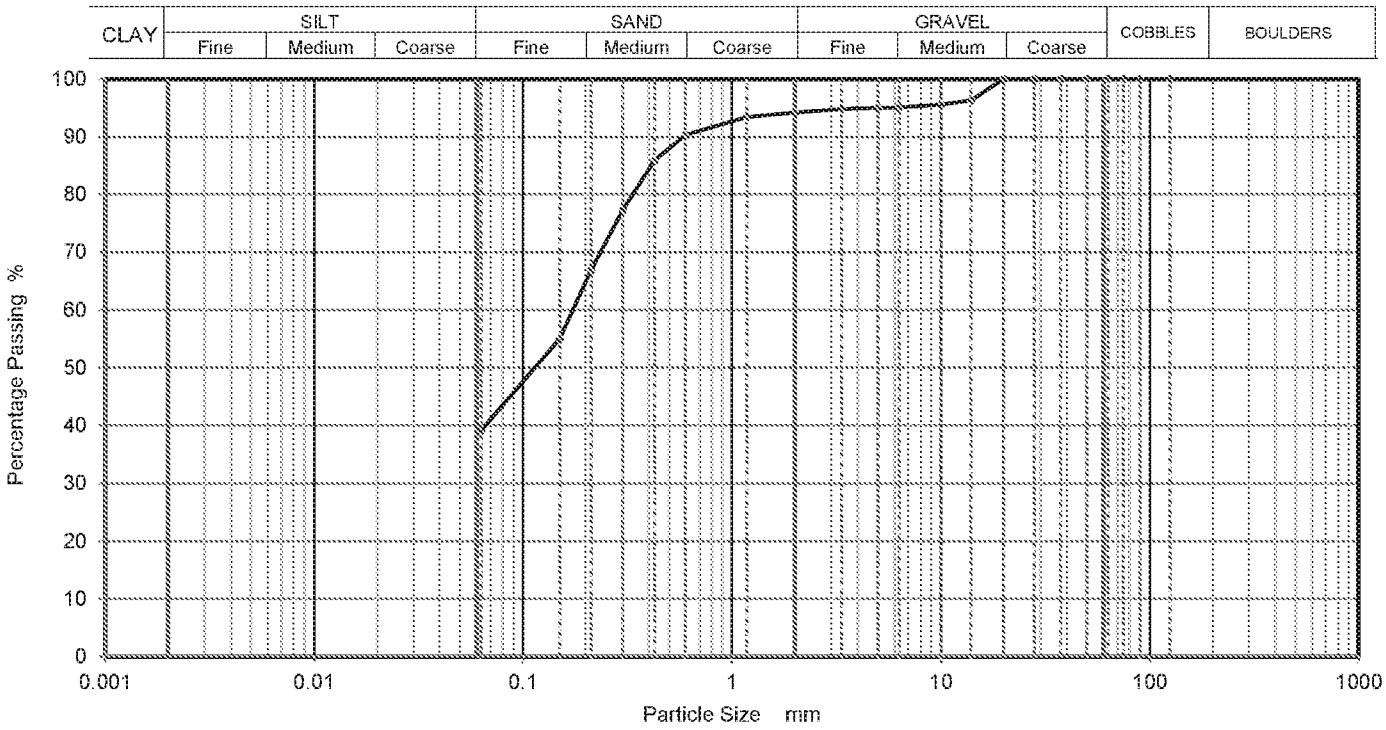
Initials: JP

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/1

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH106
Project No.	GE17106	Client	GESL	Sample No.	10
				Depth Top	3.00 m
Soil Description	Orangish brown slightly gravelly sandy CLAY (gravel is fm and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	96		
10	96		
6.3	95		
5	95		
3.35	95		
2	94		
1.18	93		
0.6	90		
0.425	86		
0.3	77		
0.212	67		
0.15	55		
0.063	39		

Dry Mass of sample, g	128

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	5.8
Sand	55.2
Fines <0.063mm	39.1

Grading Analysis		
D100	mm	
D60	mm	0.174
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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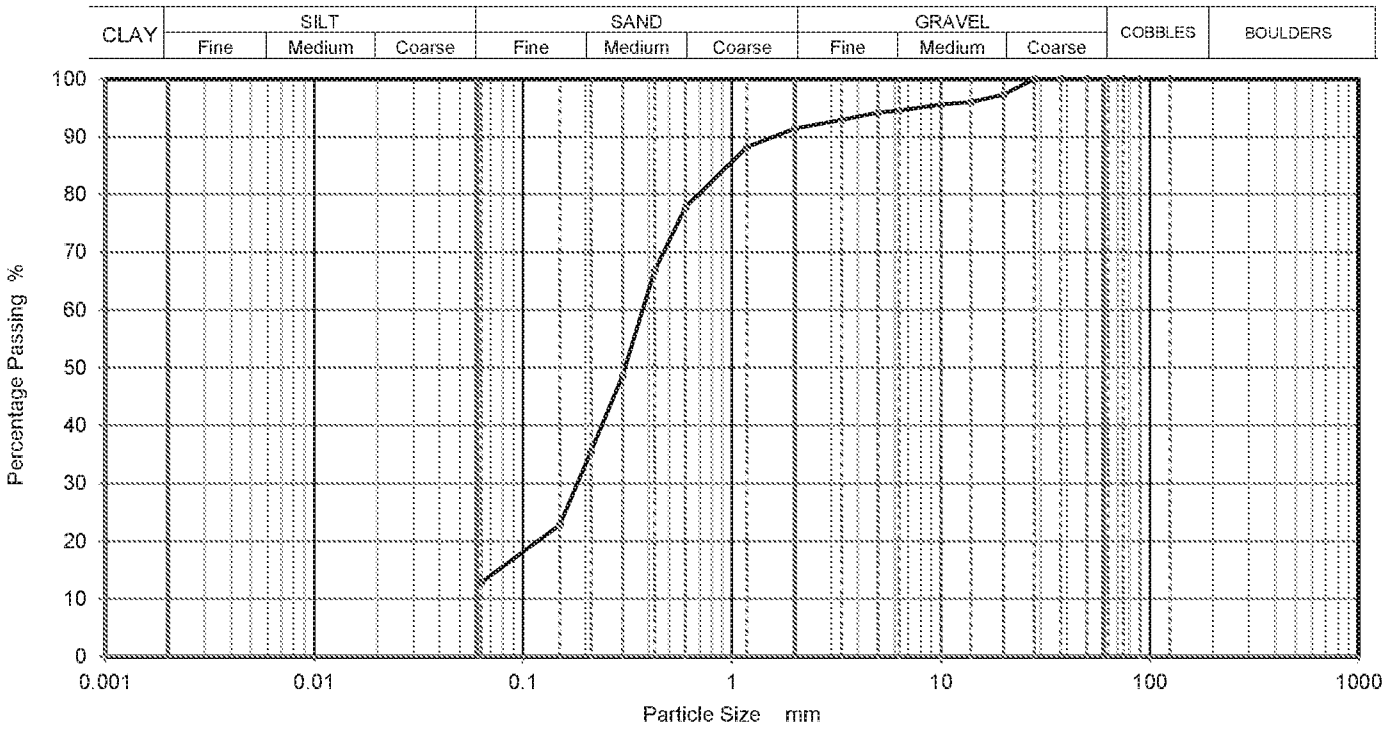
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Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/1

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH106
Project No.	GE17106	Client	GESL	Sample No.	14
				Depth Top	5.00 m
Soil Description	Orangish brown gravelly clayey SAND (gravel is fmc and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	97		
14	96		
10	96		
6.3	95		
5	94		
3.35	93		
2	91		
1.18	88		
0.6	78		
0.425	67		
0.3	49		
0.212	36		
0.15	23		
0.063	13		

Dry Mass of sample, g: 665

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	8.6
Sand	78.6
Fines <0.063mm	12.8

Grading Analysis		
D100	mm	
D60	mm	0.373
D30	mm	0.183
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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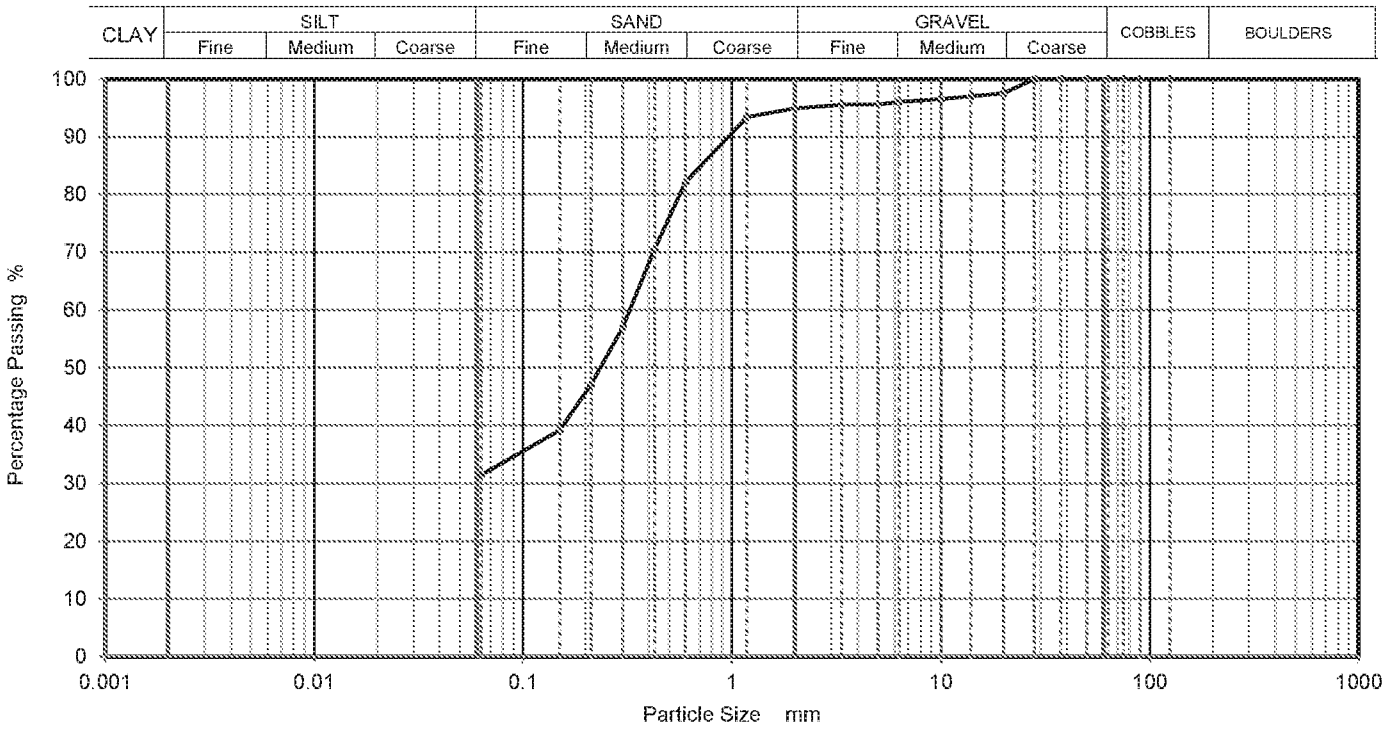
Initials: JP

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH107
Project No.	GE17106	Client	GESL	Sample No.	9
				Depth Top	2.50 m
Soil Description	Orangish brown gravelly silty very clayey SAND (gravel is fmc and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	98		
14	97		
10	97		
6.3	96		
5	96		
3.35	96		
2	95		
1.18	93		
0.6	82		
0.425	71		
0.3	57		
0.212	47		
0.15	39		
0.063	31		

Dry Mass of sample, g: 657

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	5.1
Sand	63.5
Fines <0.063mm	31.4

Grading Analysis		
D100	mm	
D60	mm	0.324
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below

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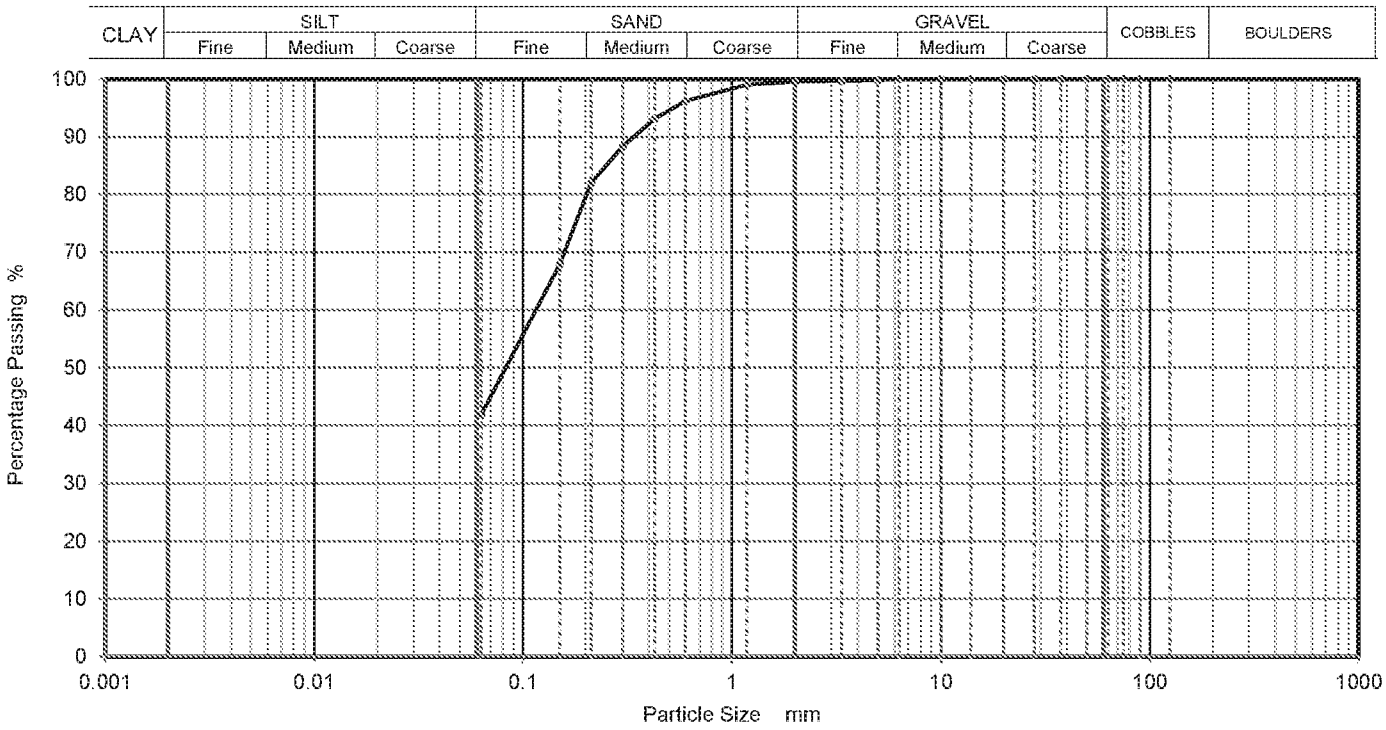
Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/1

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Sample No.	13
Project No.	GE17106	Client	GESL	Depth Top	4.50 m
Soil Description	Orangish brown sandy CLAY with rare fine sub-angular gravel			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018

Job Ref	25197
Borehole/Pit No.	BH107



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	99		
0.6	96		
0.425	93		
0.3	88		
0.212	82		
0.15	68		
0.063	42		

Dry Mass of sample, g	179

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.5
Sand	57.7
Fines <0.063mm	41.8

Grading Analysis		
D100	mm	
D60	mm	0.115
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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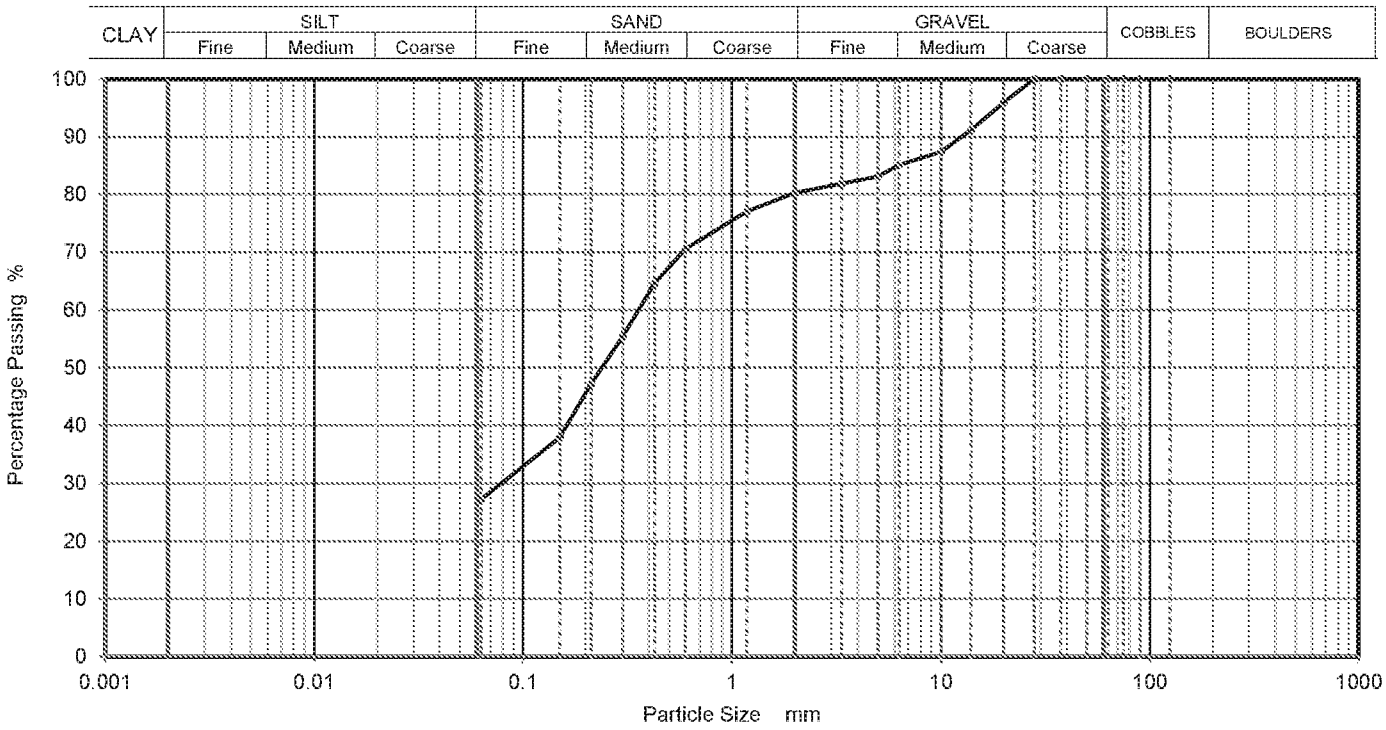
Initials: JP

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH108
Project No.	GE17106	Client	GESL	Sample No.	15
				Depth Top	5.00 m
Soil Description	Brown gravelly clayey SAND with occasional large lumps of brown sandy clay (gravel is fmc and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	96		
14	91		
10	87		
6.3	85		
5	83		
3.35	82		
2	80		
1.18	77		
0.6	71		
0.425	65		
0.3	55		
0.212	47		
0.15	38		
0.063	27		

Dry Mass of sample, g	517

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	19.7
Sand	53.0
Fines <0.063mm	27.2

Grading Analysis		
D100	mm	
D60	mm	0.357
D30	mm	0.079
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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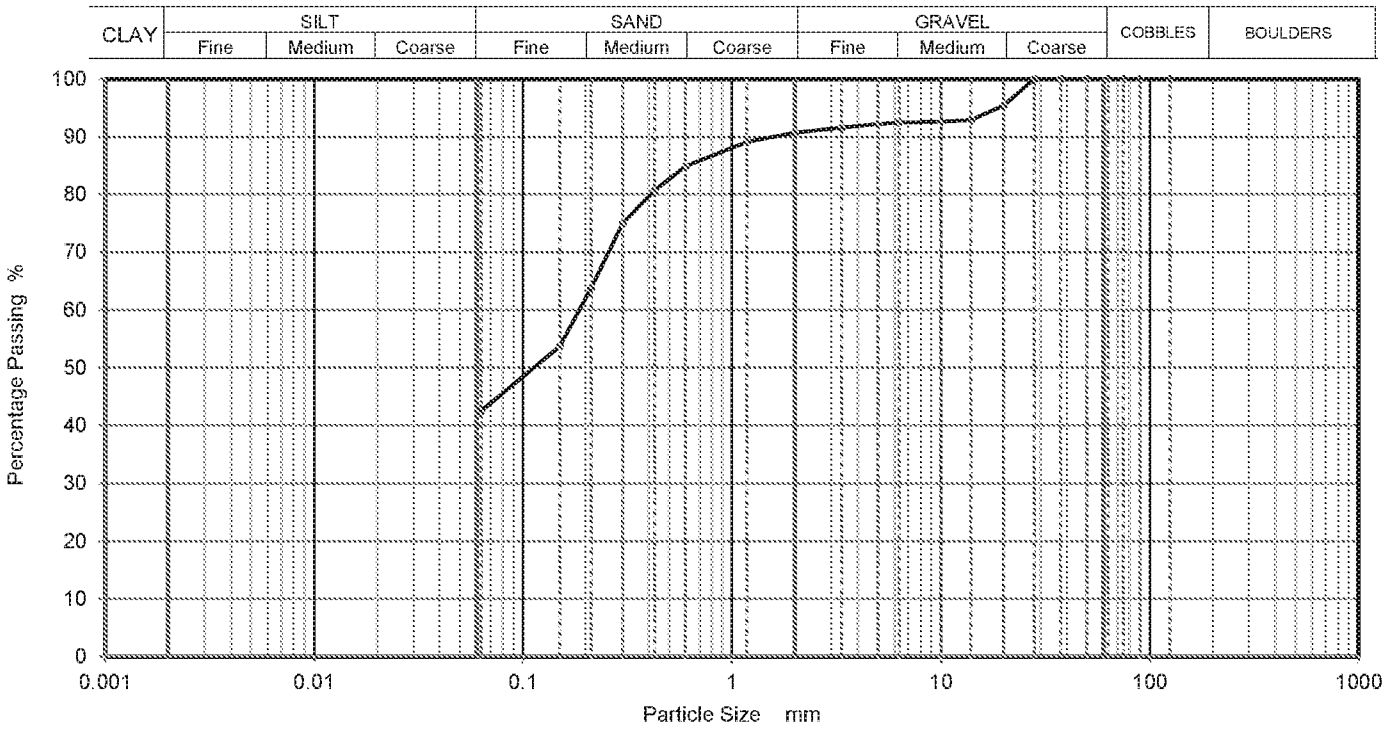
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Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/1

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Job Ref	25197
				Borehole/Pit No.	BH109
Project No.	GE17106	Client	GESL	Sample No.	14
				Depth Top	4.50 m
Soil Description	Brown slightly gravelly sandy CLAY (gravel is fm and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
Test Method	BS1377:Part 2: 1990, clause 9.0			Project started	19/09/2018
				Date tested	01/10/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	95		
14	93		
10	93		
6.3	93		
5	92		
3.35	92		
2	91		
1.18	89		
0.6	85		
0.425	81		
0.3	75		
0.212	64		
0.15	54		
0.063	43		

Dry Mass of sample, g	227

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	9.3
Sand	48.3
Fines <0.063mm	42.5

Grading Analysis		
D100	mm	
D60	mm	0.186
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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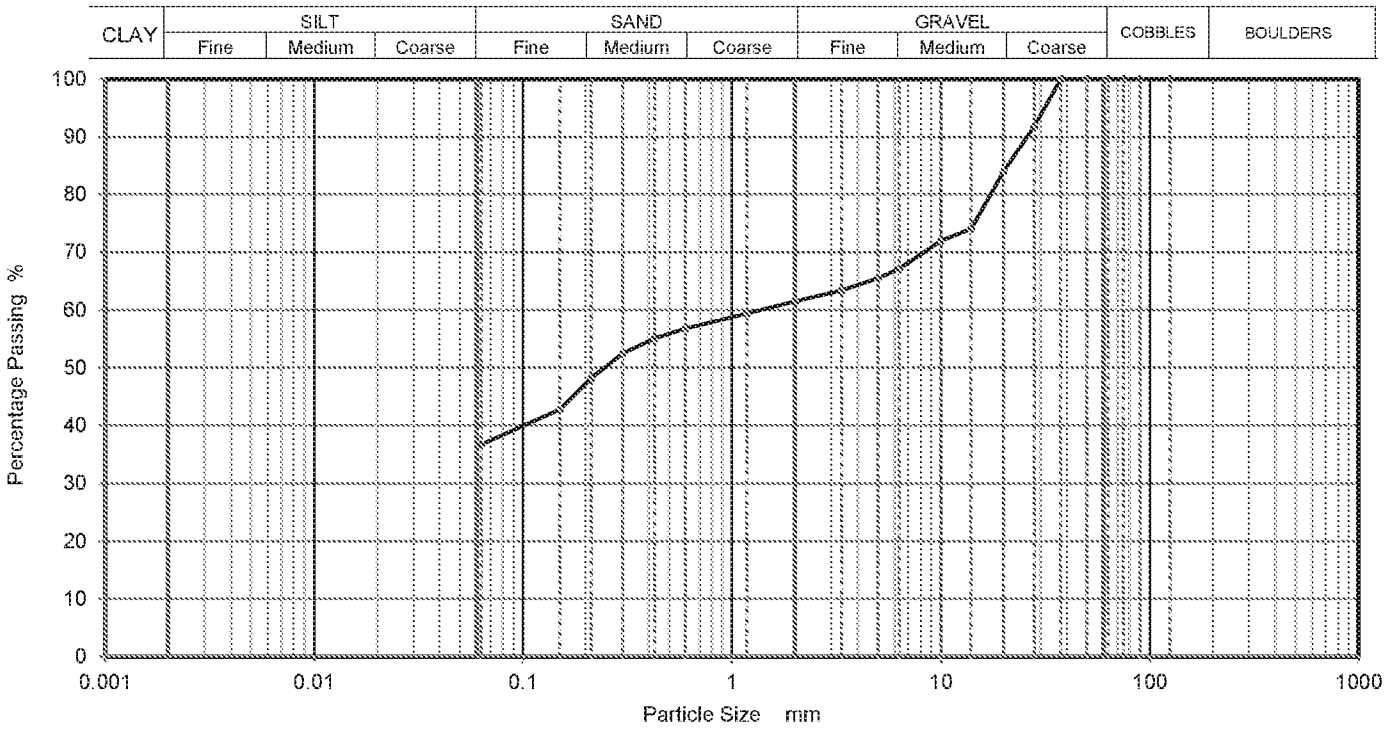
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Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

PARTICLE SIZE DISTRIBUTION

Site Name	Cornfield Close, Littlehampton			Sample No.	13
Project No.	GE17106	Client	GESL	Depth Top	4.50 m
Soil Description	Off white CHALK consisting of fmc intact chalk fragments in a soft chalk matrix and inclusions of brown sandy silty clay			Depth Base	- m
				Sample Type	D
Test Method	BS1377:Part 2: 1990, clause 9.0			Job Ref	25197
				Borehole/Pit No.	BH110
				Samples received	21-29/08/2018
				Schedules received	18/09/2018
				Project started	19/09/2018
				Date tested	28/09/2018



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	92		
20	84		
14	74		
10	72		
6.3	67		
5	66		
3.35	63		
2	62		
1.18	59		
0.6	57		
0.425	55		
0.3	53		
0.212	48		
0.15	43		
0.063	37		

Dry Mass of sample, g	255

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	38.5
Sand	24.8
Fines <0.063mm	36.7

Grading Analysis		
D100	mm	
D60	mm	1.38
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/30/18/R

Saturation Moisture Content - Summary of Results
Tested in accordance with BS1377 : Part 2 : 1990, clause 3.3 unless annotated otherwise.

Job No.	Project Name	Programme	
25197	Cornfield Close, Littlehampton	Samples received	21-29/08/2018
		Schedule received	18/09/2018
Project No.	Client	Project started	19/09/2018
GE17106	GESL	Testing Started	29/09/2018

Hole No.	Sample Ref	Sample Top m	Sample Base m	Sample Type	Description	SMC %	NMC %	Bulk Density Mg/m3	Dry Density Mg/m3	Remarks - Sample size complies with BS1377:1990: Part 2 (Yes/No)
BH101	15	8.00	-	D	Off white fmc intact CHALK fragments	16	16	2.18	1.88	No
BH101	18	10.00	-	D	Off white fmc intact CHALK fragments	15	15	2.23	1.93	No
BH102	26	6.00	-	D	Off white fmc intact CHALK fragments	18	17	2.10	1.80	No
BH102	28	9.00	-	D	Off white putty CHALK with fmc intact chalk fragments	17	15	2.11	1.84	No
BH102	32	14.50	-	D	Off white fmc intact CHALK fragments	15	14	2.18	1.92	No
BH103	21	8.00	-	D	Off white cobble size intact CHALK fragments	16	16	2.18	1.89	Yes
BH104	13	7.00	-	D	Off white putty CHALK with fmc intact chalk fragments	17	16	2.16	1.86	No
BH104	47	14.50	-	D	Off white putty CHALK with fmc intact chalk fragments	17	16	2.16	1.87	No
BH105	21	8.00	-	D	Off white putty CHALK with fmc intact chalk fragments	13	10	2.22	2.01	No
BH106	17	6.50	-	D	Off white slightly clayey putty CHALK with fmc intact chalk fragments	24	24	2.02	1.63	No
BH107	22	9.00	-	D	Off white putty CHALK with fmc intact chalk fragments	18	15	2.07	1.80	No
BH107	34	14.50	-	D	Off white putty CHALK with fmc intact chalk fragments	16	15	2.16	1.87	No

Test Report by K4 SOILS LABORATORY
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Checked and Approved

Initials J.P

Date: 03/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

Saturation Moisture Content - Summary of Results
Tested in accordance with BS1377 : Part 2 : 1990, clause 3.3 unless annotated otherwise.

Job No.	Project Name	Programme	
25197	Cornfield Close, Littlehampton	Samples received	21-29/08/2018
		Schedule received	18/09/2018
Project No.	Client	Project started	19/09/2018
GE17106	GESL	Testing Started	29/09/2018

Hole No.	Sample				Description	SMC	NMC	Bulk Density	Dry Density	Remarks - Sample size complies with BS1377:1990: Part 2 (Yes/No)
	Ref	Top m	Base m	Type		%	%	Mg/m3	Mg/m3	
BH108	33	14.00	-	D	Off white putty CHALK with fmc intact chalk fragments	17	16	2.15	1.85	Yes
BH110	14	5.00	-	D	Off white putty CHALK with fmc intact chalk fragments	20	19	2.09	1.76	No
BH110	32	14.00	-	D	Off white fmc intact CHALK fragments	16	15	2.18	1.90	No

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ARUN DISTRICT COUNCIL LU/330/18/PL

Sulphate Content (Gravimetric Method) for 2:1 Soil: Water Extract and pH Value - Summary of Results

Tested in accordance with BS1377 : Part 3 : 1990, clause 5.3 and clause 9

Job No.	Project Name	Programme	
25197	Cornfield Close, Littlehampton	Samples received	21-29/08/2018
		Schedule received	18/09/2018
Project No.	Client	Project started	19/09/2018
GE17106	GESL	Testing Started	28/09/2018

Hole No.	Sample				Soil description	Dry Mass passing 2mm	SO3 Content	SO4 Content	pH	Remarks
	Ref	Top m	Base m	Type		%	g/l	g/l		
BH101	8	2.50	-	D	Brown mottled dark grey slightly sandy silty CLAY with rare fine gravel	100	0.14	0.16	7.58	
BH101	35	4.50	-	D	Brown slightly gravelly very clayey SAND (gravel is fm and sub-angular)	98	0.13	0.16	7.72	
BH101	15	8.00	-	D	Off white fmc intact CHALK fragments	10	0.17	0.20	7.58	
BH101	18	10.00	-	D	Off white fmc intact CHALK fragments	5	0.16	0.19	7.58	Sample crused to obtain test fraction
BH102	24	3.00	-	D	Orangish brown very clayey SAND with rare fm sub-rounded gravel	97	0.11	0.13	7.74	
BH102	26	6.00	-	D	Off white fmc intact CHALK fragments	92	0.24	0.28	7.68	
BH102	18	9.50	-	D	Off white CHALK consisting of mc intact chalk fragments in a soft chalk matrix	40	0.17	0.20	7.67	
BH102	32	14.50	-	D	Off white fmc intact CHALK fragments	0	0.15	0.18	7.62	Sample crused to obtain test fraction
BH103	11	3.00	-	D	Brown slightly gravelly clayey SAND (gravel is fm and sub-angular)	92	0.18	0.21	7.72	
BH103	16	5.50	-	D	Orangish brown very gravelly very clayey SAND (gravel is fmc and sub-angular)	78	0.08	0.09	7.61	
BH103	21	8.00	-	D	Off white cobble size intact CHALK fragments	0	0.11	0.13	7.66	Sample crused to obtain test fraction

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Date: 03/10/2018

UKAS TESTING 2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5-R29

Sulphate Content (Gravimetric Method) for 2:1 Soil: Water Extract and pH Value - Summary of Results

Tested in accordance with BS1377 : Part 3 : 1990, clause 5.3 and clause 9

Job No.	Project Name	Programme	
25197	Cornfield Close, Littlehampton	Samples received	21-29/08/2018
		Schedule received	18/09/2018
Project No.	Client	Project started	19/09/2018
GE17106	GESL	Testing Started	28/09/2018

Hole No.	Sample				Soil description	Dry Mass passing 2mm	SO3 Content	SO4 Content	pH	Remarks
	Ref	Top m	Base m	Type		%	g/l	g/l		
BH104	16	3.00	-	D	Brown very clayey SAND with rare fine gravel	99	0.09	0.11	7.62	
BH104	10	5.00	-	D	Brown slightly clayey silty gravelly SAND (gravel is fm and sub-angular)	93	0.12	0.14	7.72	
BH104	13	7.00	-	D	Off white putty CHALK with fmc intact chalk fragments	48	0.08	0.10	7.55	
BH104	40	11.00	-	D	Off white fmc intact CHALK fragments in a soft chalk matrix	50	0.06	0.08	7.55	
BH104	47	14.50	-	D	Off white putty CHALK with fmc intact chalk fragments	10	0.08	0.10	7.62	
BH105	9	2.50	-	D	Reddish brown slightly gravelly SAND with traces of brick fines (gravel is fm and sub-angular)	85	0.10	0.12	7.66	
BH105	12	4.00	-	D	Orangish brown gravelly clayey SAND (gravel is fmc and sub-rounded to sub-angular)	85	0.10	0.12	7.68	
BH105	21	8.00	-	D	Off white putty CHALK with fmc intact chalk fragments	60	0.18	0.22	7.55	
BH106	10	3.00	-	D	Orangish brown slightly gravelly sandy CLAY (gravel is fm and sub-angular)	94	0.15	0.18	7.62	
BH106	17	6.50	-	D	Off white slightly clayey putty CHALK with fmc intact chalk fragments	90	0.09	0.11	7.58	
BH106	24	10.00	-	D	Off white fmc intact CHALK fragments with a little soft chalk matrix	5	0.05	0.06	7.49	Sample crused to obtain test fraction

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MSF-5-R29

Sulphate Content (Gravimetric Method) for 2:1 Soil: Water Extract and pH Value - Summary of Results

Tested in accordance with BS1377 : Part 3 : 1990, clause 5.3 and clause 9

Job No.	Project Name	Programme	
25197	Cornfield Close, Littlehampton	Samples received	21-29/08/2018
		Schedule received	18/09/2018
Project No.	Client	Project started	19/09/2018
GE17106	GESL	Testing Started	28/09/2018

Hole No.	Sample				Soil description	Dry Mass passing 2mm	SO3 Content	SO4 Content	pH	Remarks
	Ref	Top m	Base m	Type		%	g/l	g/l		
BH107	9	2.50	-	D	Orangish brown gravelly silty very clayey SAND (gravel is fmc and sub-angular)	95	0.11	0.14	7.62	
BH107	13	4.50	-	D	Orangish brown sandy CLAY with rare fine sub-angular gravel	100	0.15	0.17	7.68	
BH107	22	9.00	-	D	Off white putty CHALK with fmc intact chalk fragments	85	0.10	0.12	7.62	
BH107	27	11.50	-	D	Off white fmc intact CHALK fragments in a soft putty chalk matrix	20	0.17	0.21	7.53	
BH107	34	14.50	-	D	Off white putty CHALK with fmc intact chalk fragments	50	0.11	0.13	7.59	
BH108	10	2.50	-	D	Brown mottled dark grey slightly gravelly silty sandy CLAY (gravel is fm and sub-angular)	99	0.20	0.24	7.63	
BH108	24	9.50	-	D	Off white mc intact CHALK fragments in a soft chalk matrix	60	0.10	0.12	7.62	
BH108	33	14.00	-	D	Off white putty CHALK with fmc intact chalk fragments	82	0.10	0.12	7.55	
BH109	11	3.00	-	D	Brown gravelly clayey SAND (gravel is fm and sub-angular to sub-rounded)	98	0.11	0.14	7.58	
BH109	21	8.00	-	D	Off white mc intact CHALK fragments in a soft chalk matrix	15	0.17	0.21	7.62	
BH110	9	2.50	-	D	Greenish grey and grey mottled slightly gravelly silty sandy CLAY (gravel is fm and sub-angular to sub-rounded)	98	0.39	0.47	7.53	

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MSF-5-R29

Sulphate Content (Gravimetric Method) for 2:1 Soil: Water Extract and pH Value - Summary of Results

Tested in accordance with BS1377 : Part 3 : 1990, clause 5.3 and clause 9

Job No.	Project Name	Programme	
25197	Cornfield Close, Littlehampton	Samples received	21-29/08/2018
		Schedule received	18/09/2018
Project No.	Client	Project started	19/09/2018
GE17106	GESL	Testing Started	28/09/2018

Hole No.	Sample				Soil description	Dry Mass passing 2mm	SO3 Content	SO4 Content	pH	Remarks
	Ref	Top m	Base m	Type		%	g/l	g/l		
BH110	14	5.00	-	D	Off white putty CHALK with fmc intact chalk fragments	40	0.18	0.22	7.59	
BH110	32	14.00	-	D	Off white fmc intact CHALK fragments	5	0.15	0.18	7.62	Sample crused to obtain test fraction

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In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 2
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly clayey gravelly SAND with abundant landfill material, plastic and glass (gravel is fmc and angular to sub-angular)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	1

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

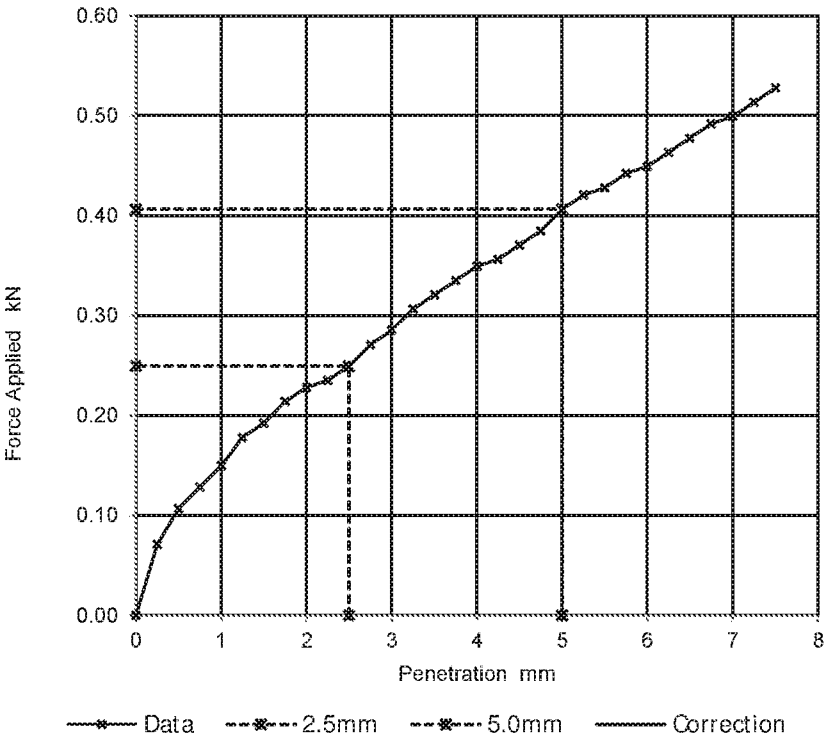
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	10	0.07
0.50	15	0.11
0.75	18	0.13
1.00	21	0.15
1.25	25	0.18
1.50	27	0.19
1.75	30	0.21
2.00	32	0.23
2.25	33	0.24
2.50	35	0.25
2.75	38	0.27
3.00	40	0.29
3.25	43	0.31
3.50	45	0.32
3.75	47	0.34
4.00	49	0.35
4.25	50	0.36
4.50	52	0.37
4.75	54	0.39
5.00	57	0.41
5.25	59	0.42
5.50	60	0.43
5.75	62	0.44
6.00	63	0.45
6.25	65	0.46
6.50	67	0.48
6.75	69	0.49
7.00	70	0.50
7.25	72	0.51
7.50	74	0.53

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	1.9	2.0	**2.0**	39

Test Report by K4 SOILS LABORATORY
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ARUN DISTRICT COUNCIL LU/330/18/PL

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 4
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown clayey gravelly SAND with occasional brick fragments (gravel is fmc and angular to sub-angular)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	2

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

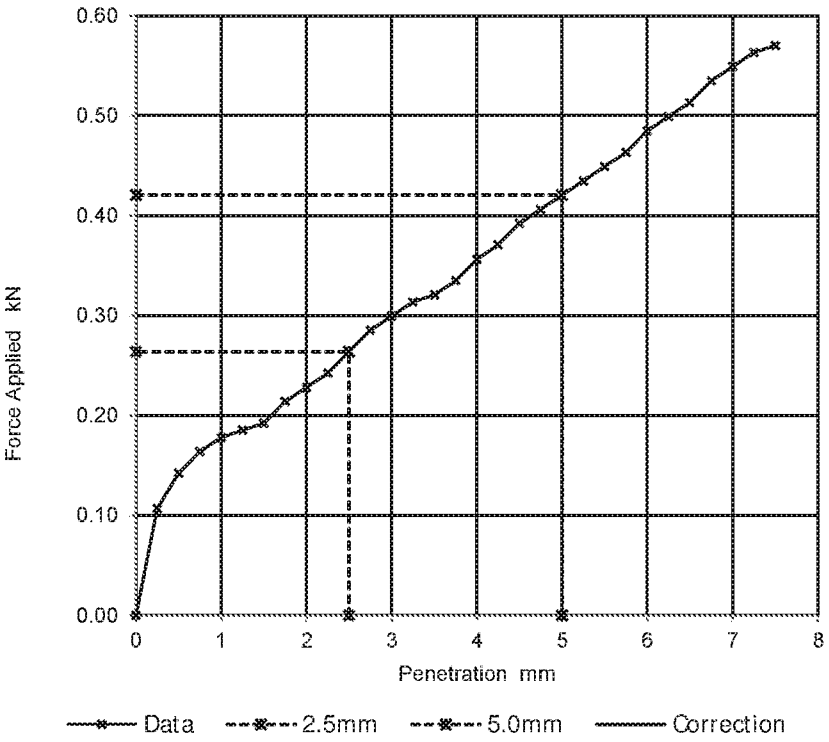
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	15	0.11
0.50	20	0.14
0.75	23	0.16
1.00	25	0.18
1.25	26	0.19
1.50	27	0.19
1.75	30	0.21
2.00	32	0.23
2.25	34	0.24
2.50	37	0.26
2.75	40	0.29
3.00	42	0.30
3.25	44	0.31
3.50	45	0.32
3.75	47	0.34
4.00	50	0.36
4.25	52	0.37
4.50	55	0.39
4.75	57	0.41
5.00	59	0.42
5.25	61	0.43
5.50	63	0.45
5.75	65	0.46
6.00	68	0.48
6.25	70	0.50
6.50	72	0.51
6.75	75	0.53
7.00	77	0.55
7.25	79	0.56
7.50	80	0.57

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	2.0	2.1	**2.1**	13

Test Report by K4 SOILS LABORATORY
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ARUN DISTRICT COUNCIL LU/330/18/PE

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 6
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly gravelly silty clayey SAND (gravel is fmc and angular to sub-rounded)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	3

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

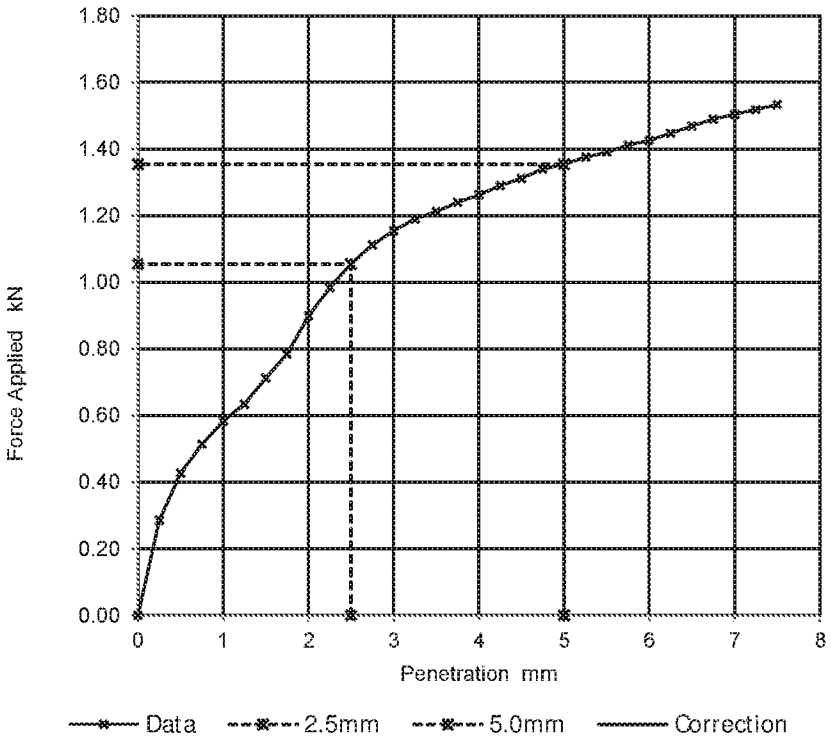
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger	Force on Plunger	
	Dial Reading	Load
mm		kN
0.00	0	0.00
0.25	40	0.29
0.50	60	0.43
0.75	72	0.51
1.00	82	0.58
1.25	89	0.63
1.50	100	0.71
1.75	110	0.78
2.00	126	0.90
2.25	138	0.98
2.50	148	1.06
2.75	156	1.11
3.00	162	1.16
3.25	167	1.19
3.50	170	1.21
3.75	174	1.24
4.00	177	1.26
4.25	181	1.29
4.50	184	1.31
4.75	188	1.34
5.00	190	1.35
5.25	193	1.38
5.50	195	1.39
5.75	198	1.41
6.00	200	1.43
6.25	203	1.45
6.50	206	1.47
6.75	209	1.49
7.00	211	1.50
7.25	213	1.52
7.50	215	1.53

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, %			Moisture Content
	Penetration		CBR Value	
	2.5mm	5mm		%
No	8.0	6.8	**8.0**	14

Test Report by K4 SOILS LABORATORY
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Date: 24/08/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 7
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly gravelly silty clayey SAND with numerous glass fragments (gravel is fmc and angular to sub-rounded)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	4

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

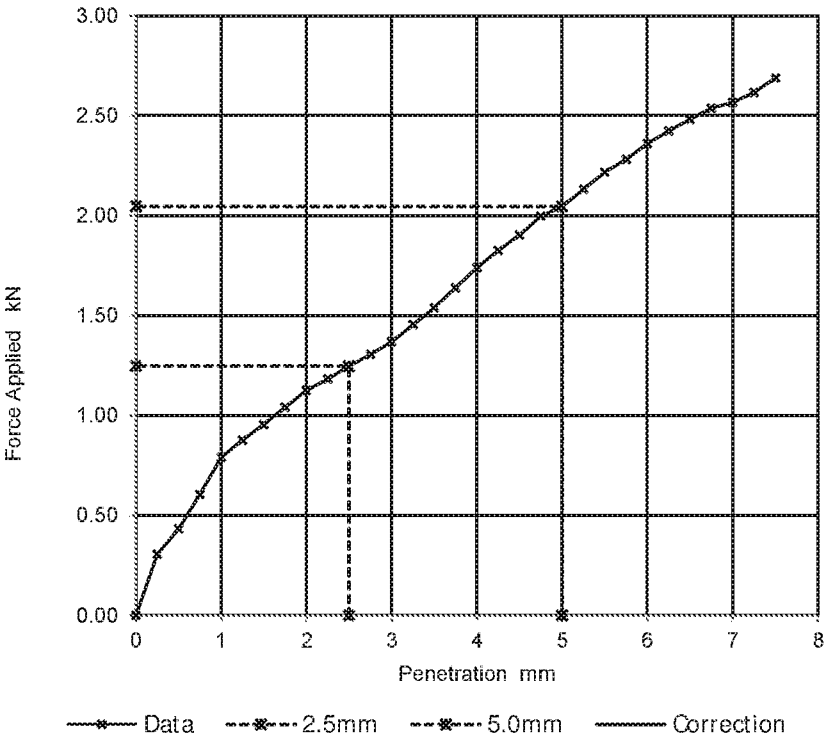
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	43	0.31
0.50	61	0.43
0.75	85	0.61
1.00	111	0.79
1.25	123	0.88
1.50	134	0.96
1.75	146	1.04
2.00	158	1.13
2.25	166	1.18
2.50	175	1.25
2.75	183	1.30
3.00	192	1.37
3.25	204	1.45
3.50	216	1.54
3.75	230	1.64
4.00	244	1.74
4.25	256	1.83
4.50	267	1.90
4.75	280	2.00
5.00	287	2.05
5.25	299	2.13
5.50	311	2.22
5.75	320	2.28
6.00	331	2.36
6.25	340	2.42
6.50	348	2.48
6.75	356	2.54
7.00	360	2.57
7.25	367	2.62
7.50	377	2.69

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	9.5	10	**10**	9.3

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ARUN DISTRICT COUNCIL LU/330/18/PL

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 12
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly clayey gravelly SAND with abundant glass fragments (gravel is fmc and angular to sub-angular)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	5

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

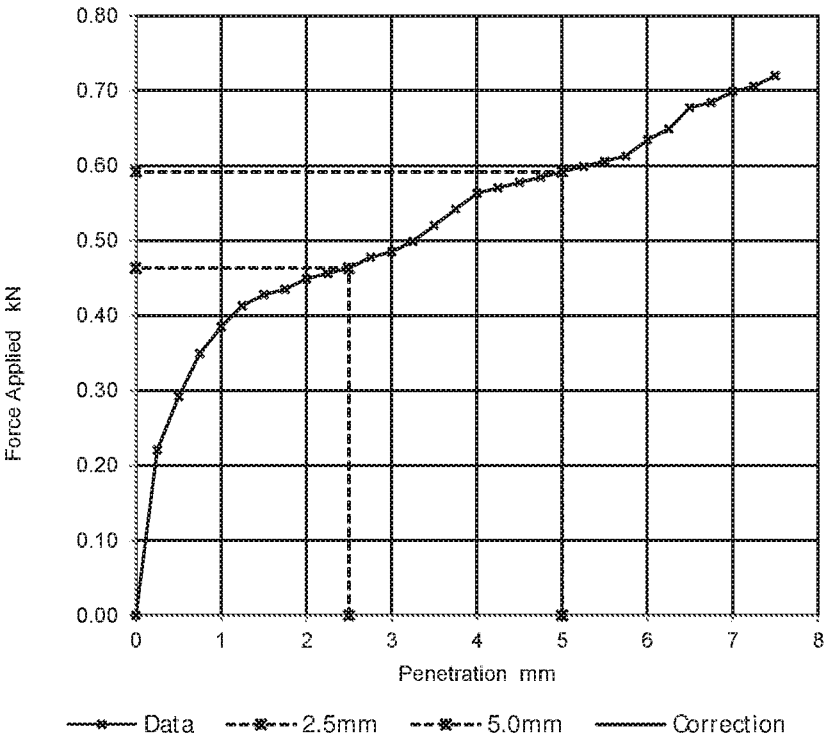
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	31	0.22
0.50	41	0.29
0.75	49	0.35
1.00	54	0.39
1.25	58	0.41
1.50	60	0.43
1.75	61	0.43
2.00	63	0.45
2.25	64	0.46
2.50	65	0.46
2.75	67	0.48
3.00	68	0.48
3.25	70	0.50
3.50	73	0.52
3.75	76	0.54
4.00	79	0.56
4.25	80	0.57
4.50	81	0.58
4.75	82	0.58
5.00	83	0.59
5.25	84	0.60
5.50	85	0.61
5.75	86	0.61
6.00	89	0.63
6.25	91	0.65
6.50	95	0.68
6.75	96	0.68
7.00	98	0.70
7.25	99	0.71
7.50	101	0.72

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	3.5	3.0	**3.5**	22

Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

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Checked and Approved
Initials: J.P
Date: 24/08/2018

2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr) MSF-5-R16

ARUN DISTRICT COUNCIL LU/330/18/PL

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 10
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown gravelly silty clayey SAND with occasional brick fragments (gravel is fmc and angular to sub-angular)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	6

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

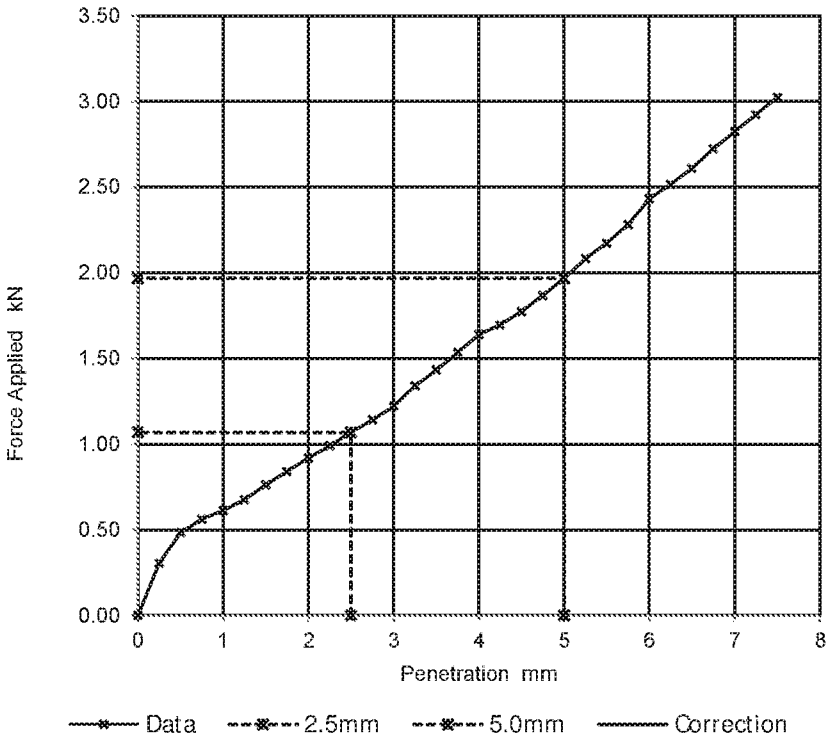
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	43	0.31
0.50	68	0.48
0.75	79	0.56
1.00	86	0.61
1.25	95	0.68
1.50	107	0.76
1.75	118	0.84
2.00	129	0.92
2.25	139	0.99
2.50	150	1.07
2.75	160	1.14
3.00	171	1.22
3.25	188	1.34
3.50	201	1.43
3.75	215	1.53
4.00	230	1.64
4.25	238	1.70
4.50	249	1.78
4.75	262	1.87
5.00	276	1.97
5.25	292	2.08
5.50	305	2.17
5.75	320	2.28
6.00	341	2.43
6.25	353	2.52
6.50	366	2.61
6.75	382	2.72
7.00	396	2.82
7.25	410	2.92
7.50	424	3.02

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	8.1	9.8	**9.8**	13

Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

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ARUN DISTRICT COUNCIL LD/330/18/PE

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 14
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown gravelly silty clayey SAND (gravel is fmc and angular to sub-angular)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	7

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

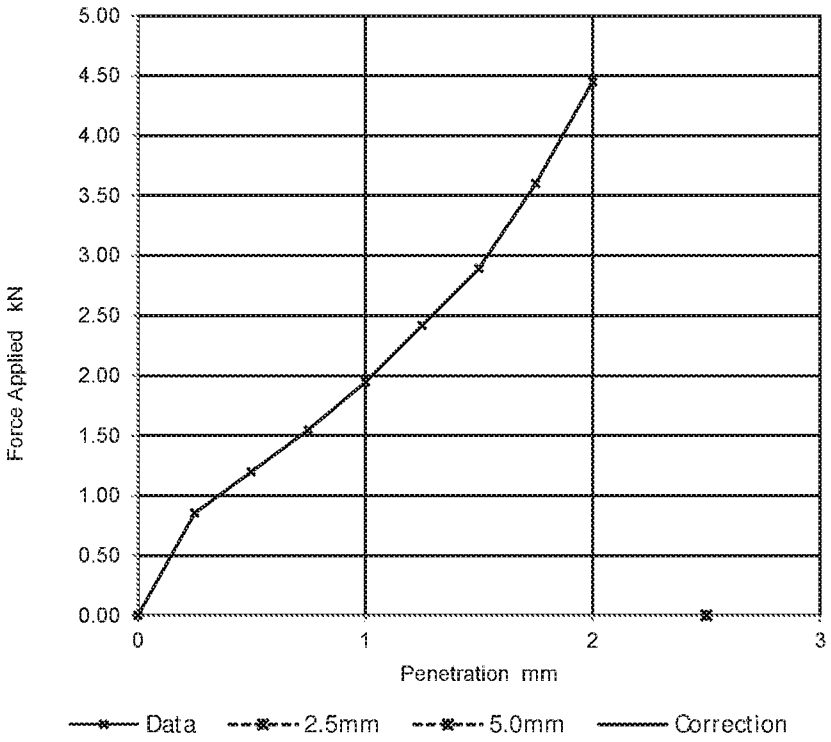
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	120	0.86
0.50	168	1.20
0.75	217	1.55
1.00	273	1.95
1.25	339	2.42
1.50	406	2.89
1.75	505	3.60
2.00	624	4.45
2.25		
2.50		
2.75		
3.00		
3.25		
3.50		
3.75		
4.00		
4.25		
4.50		
4.75		
5.00		
5.25		
5.50		
5.75		
6.00		
6.25		
6.50		
6.75		
7.00		
7.25		
7.50		

Force versus Penetration Plot



Remarks

Maximum kentledge reached

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	-	-	>30	11

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Date: 24/08/2018

ARUN DISTRICT COUNCIL LO/330/18/PL

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 15
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly clayey gravelly SAND with abundant landfill material, plastic and metal debris (gravel consist af fmc angular to sub-rounded gravel and concrete, tile and brick fragments)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	8

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

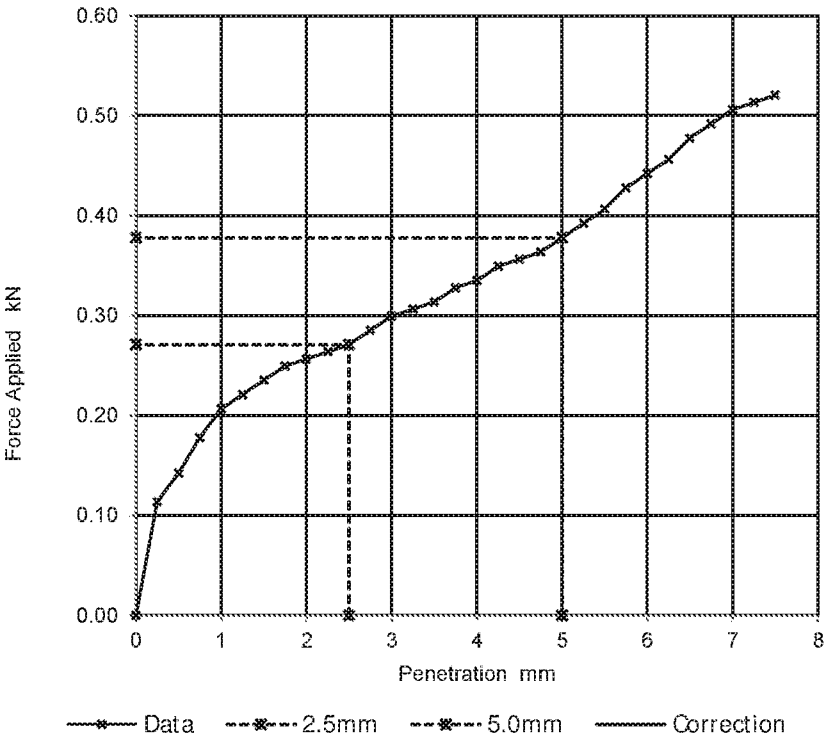
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	16	0.11
0.50	20	0.14
0.75	25	0.18
1.00	29	0.21
1.25	31	0.22
1.50	33	0.24
1.75	35	0.25
2.00	36	0.26
2.25	37	0.26
2.50	38	0.27
2.75	40	0.29
3.00	42	0.30
3.25	43	0.31
3.50	44	0.31
3.75	46	0.33
4.00	47	0.34
4.25	49	0.35
4.50	50	0.36
4.75	51	0.36
5.00	53	0.38
5.25	55	0.39
5.50	57	0.41
5.75	60	0.43
6.00	62	0.44
6.25	64	0.46
6.50	67	0.48
6.75	69	0.49
7.00	71	0.51
7.25	72	0.51
7.50	73	0.52

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	2.1	1.9	**2.1**	13

Test Report by K4 SOILS LABORATORY
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Date: 24/08/2018

ARUN DISTRICT COUNCIL LD/330/18/PE

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 17
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.80
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly clayey gravelly SAND with abundant metal, plastic and glass debris (gravel is fmc and angular to sub-angular)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	9

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

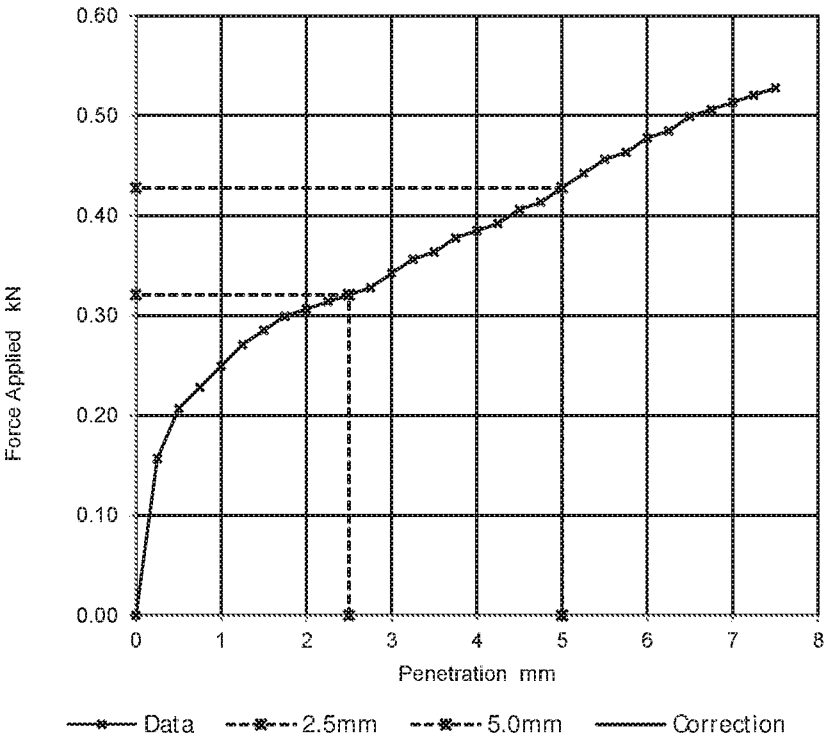
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	22	0.16
0.50	29	0.21
0.75	32	0.23
1.00	35	0.25
1.25	38	0.27
1.50	40	0.29
1.75	42	0.30
2.00	43	0.31
2.25	44	0.31
2.50	45	0.32
2.75	46	0.33
3.00	48	0.34
3.25	50	0.36
3.50	51	0.36
3.75	53	0.38
4.00	54	0.39
4.25	55	0.39
4.50	57	0.41
4.75	58	0.41
5.00	60	0.43
5.25	62	0.44
5.50	64	0.46
5.75	65	0.46
6.00	67	0.48
6.25	68	0.48
6.50	70	0.50
6.75	71	0.51
7.00	72	0.51
7.25	73	0.52
7.50	74	0.53

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	2.4	2.1	**2.4**	18

Test Report by K4 SOILS LABORATORY
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ARUN DISTRICT COUNCIL LD/330/18/PE

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 19
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.70
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly gravelly silty clayey SAND with occasional plastic debris (gravel is fmc and angular to sub-rounded)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	10

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

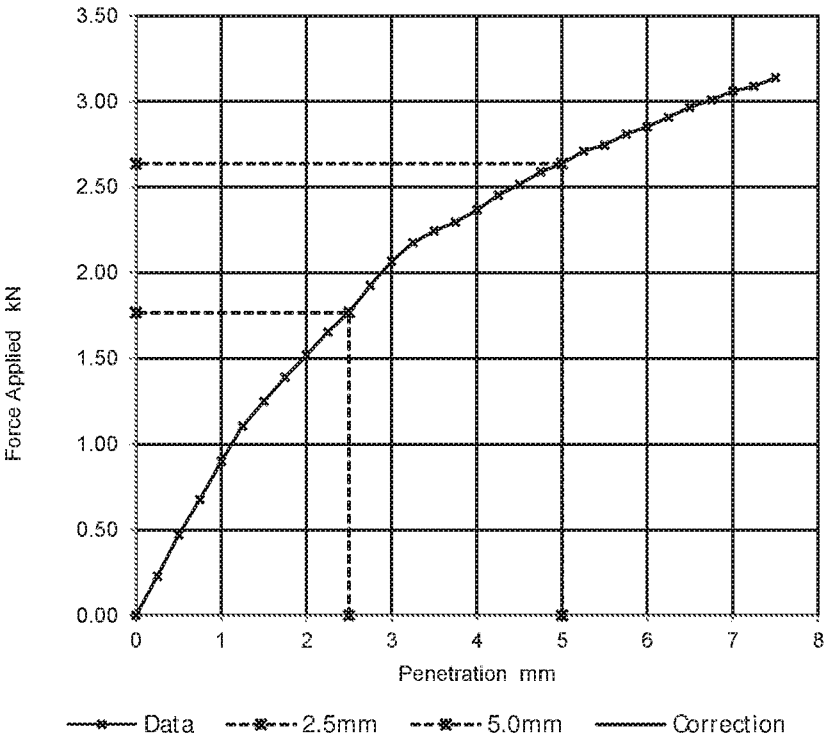
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	32	0.23
0.50	66	0.47
0.75	95	0.68
1.00	126	0.90
1.25	155	1.11
1.50	175	1.25
1.75	195	1.39
2.00	213	1.52
2.25	232	1.65
2.50	248	1.77
2.75	270	1.93
3.00	290	2.07
3.25	305	2.17
3.50	315	2.25
3.75	322	2.30
4.00	332	2.37
4.25	344	2.45
4.50	353	2.52
4.75	363	2.59
5.00	370	2.64
5.25	380	2.71
5.50	385	2.75
5.75	394	2.81
6.00	400	2.85
6.25	408	2.91
6.50	416	2.97
6.75	422	3.01
7.00	429	3.06
7.25	433	3.09
7.50	440	3.14

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	13	13	13	20

Test Report by K4 SOILS LABORATORY
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Watford Herts WD18 9RU

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Date: 24/08/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 20
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.70
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly gravelly silty clayey SAND with numerous glass and plastic fragments (gravel is fmc and angular to sub-angular)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	11

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

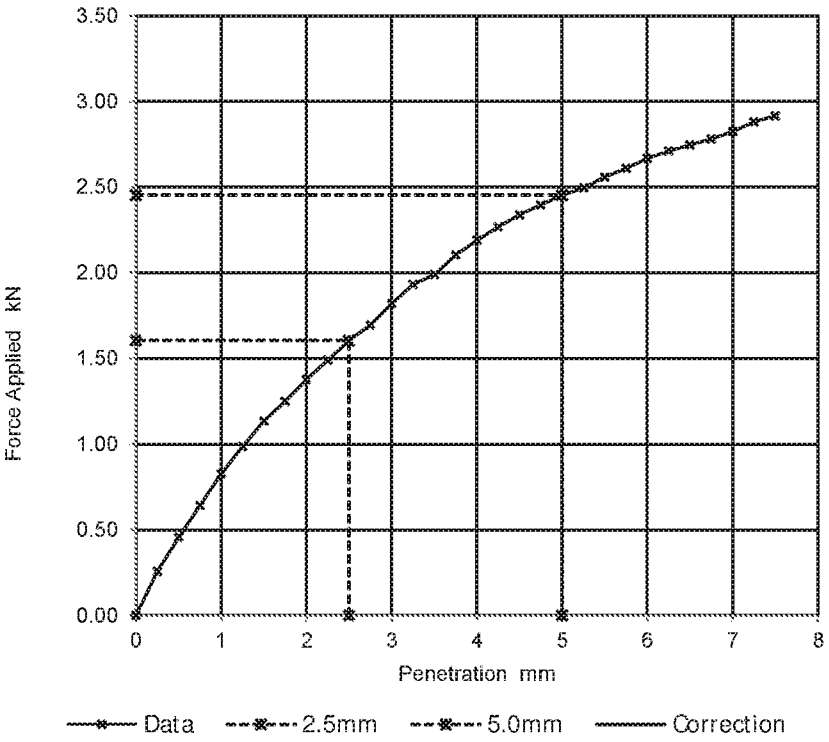
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	36	0.26
0.50	64	0.46
0.75	90	0.64
1.00	116	0.83
1.25	138	0.98
1.50	159	1.13
1.75	175	1.25
2.00	193	1.38
2.25	209	1.49
2.50	225	1.60
2.75	238	1.70
3.00	255	1.82
3.25	271	1.93
3.50	279	1.99
3.75	295	2.10
4.00	307	2.19
4.25	318	2.27
4.50	328	2.34
4.75	336	2.40
5.00	344	2.45
5.25	350	2.50
5.50	359	2.56
5.75	366	2.61
6.00	374	2.67
6.25	380	2.71
6.50	385	2.75
6.75	390	2.78
7.00	396	2.82
7.25	404	2.88
7.50	409	2.92

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	Penetration 5mm	CBR Value	Moisture Content %
No	12	12	12	10

Test Report by K4 SOILS LABORATORY
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ARUN DISTRICT COUNCIL LU/330/18/PL

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 21
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	1.00
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly clayey gravelly SAND with abundant metal and plastic debris (gravel consist of fmc angular to sub-rounded gravel and concrete, tile and brick fragments)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	12

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

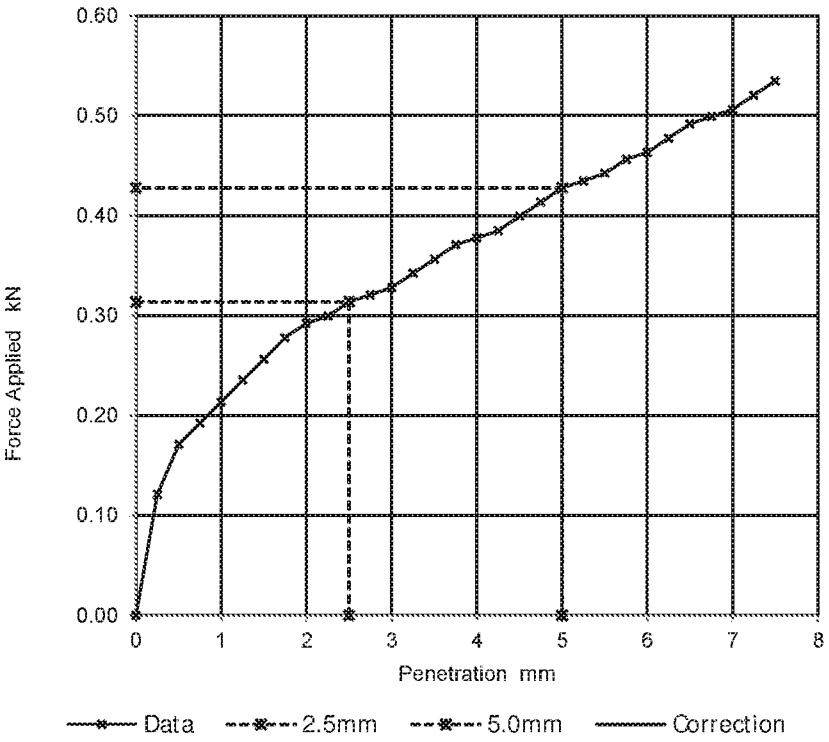
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	17	0.12
0.50	24	0.17
0.75	27	0.19
1.00	30	0.21
1.25	33	0.24
1.50	36	0.26
1.75	39	0.28
2.00	41	0.29
2.25	42	0.30
2.50	44	0.31
2.75	45	0.32
3.00	46	0.33
3.25	48	0.34
3.50	50	0.36
3.75	52	0.37
4.00	53	0.38
4.25	54	0.39
4.50	56	0.40
4.75	58	0.41
5.00	60	0.43
5.25	61	0.43
5.50	62	0.44
5.75	64	0.46
6.00	65	0.46
6.25	67	0.48
6.50	69	0.49
6.75	70	0.50
7.00	71	0.51
7.25	73	0.52
7.50	75	0.53

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	2.4	2.1	**2.4**	22

Test Report by K4 SOILS LABORATORY
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ARUN DISTRICT COUNCIL LD/330/18/PE

In Situ California Bearing Ratio (CBR)

				Job Ref	25069
				CBR No.	DCP 24
Site Name	Daisyfields Touring Park, Cornfield Close, Wick, Littlehampton BN17 6LD			Depth m	0.75
Project No.	Order Number - 0636	Client	GESL	Date of Test	20/08/2018
Soil Description	Brown slightly gravelly silty sandy CLAY with occasional brick fragments (gravel is fmc and angular to sub-angular)				
Test Method	BS1377 : Part 9 : 1990, clause 4.3			CBR Test Number	13

Note: Test only applicable when maximum particle size beneath the plunger does not exceed 20mm

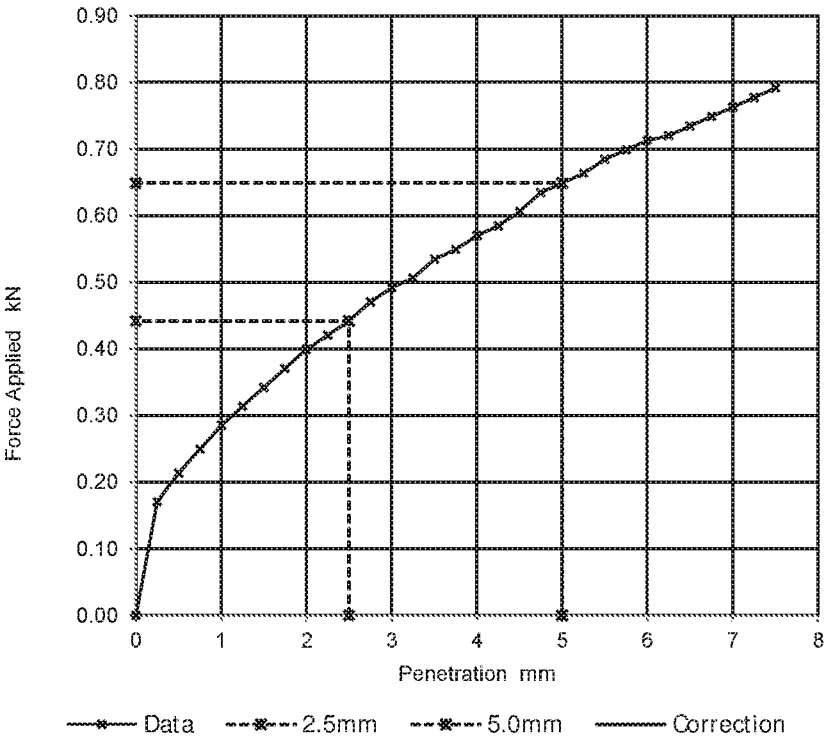
Rate if Strain	1.00	mm/min
Mass of Surcharge	4.6	kg
Proving Ring Factor	7.13	N/div

Temperature	21	0C
Environmental Conditions	Clear	

Readings

Penetration of Plunger mm	Force on Plunger: Dial Reading	Force on Plunger: Load kN
0.00	0	0.00
0.25	24	0.17
0.50	30	0.21
0.75	35	0.25
1.00	40	0.29
1.25	44	0.31
1.50	46	0.34
1.75	52	0.37
2.00	56	0.40
2.25	59	0.42
2.50	62	0.44
2.75	66	0.47
3.00	69	0.49
3.25	71	0.51
3.50	75	0.53
3.75	77	0.55
4.00	80	0.57
4.25	82	0.58
4.50	85	0.61
4.75	89	0.63
5.00	91	0.65
5.25	93	0.66
5.50	96	0.68
5.75	98	0.70
6.00	100	0.71
6.25	101	0.72
6.50	103	0.73
6.75	105	0.75
7.00	107	0.76
7.25	109	0.78
7.50	111	0.79

Force versus Penetration Plot



Remarks

Results

Curve correction applied	CBR Values, % Penetration 2.5mm	CBR Values, % Penetration 5mm	CBR Value	Moisture Content %
No	3.3	3.2	**3.3**	18

Test Report by K4 SOILS LABORATORY
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ARUN DISTRICT COUNCIL LO/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP2				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Dark brown gravelly SAND with glass and plastic debris (gravel is fine and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 12 %

Initial Specimen details:

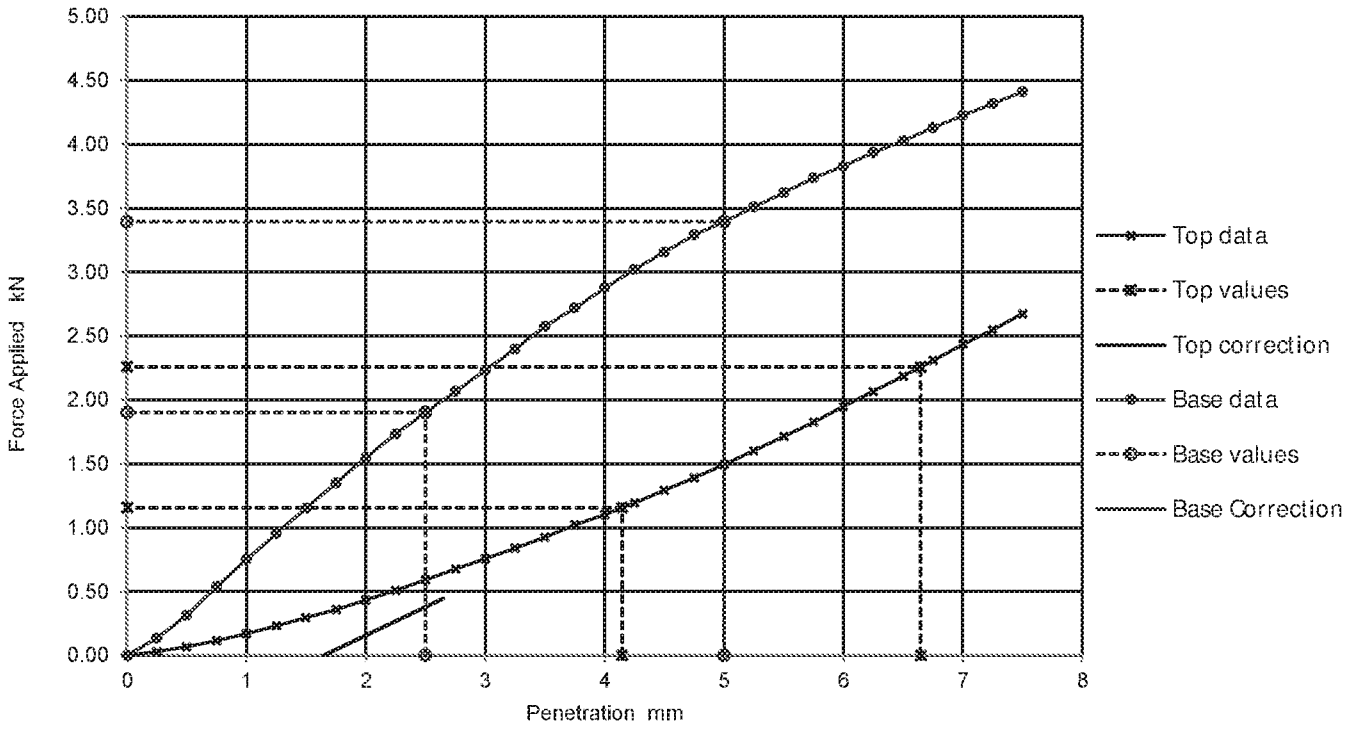
Bulk density	1.85	Mg/m3
Dry density	1.26	Mg/m3
Moisture content	47	%

Soaking details:

Period of soaking	5	days
Time to surface	2	days
Amount of swell recorded	0.12	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP	Yes	8.8	11	11	N/A	59
BASE	No	14	17	17		45

Remarks

Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

Tel: 01923 711 288
Email: James@k4soils.com

Checked and Approved

Initials: J.P

Date: 10/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP4				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown silty sandy gravelly CLAY with plastic and tile debris (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 12 %

Initial Specimen details:

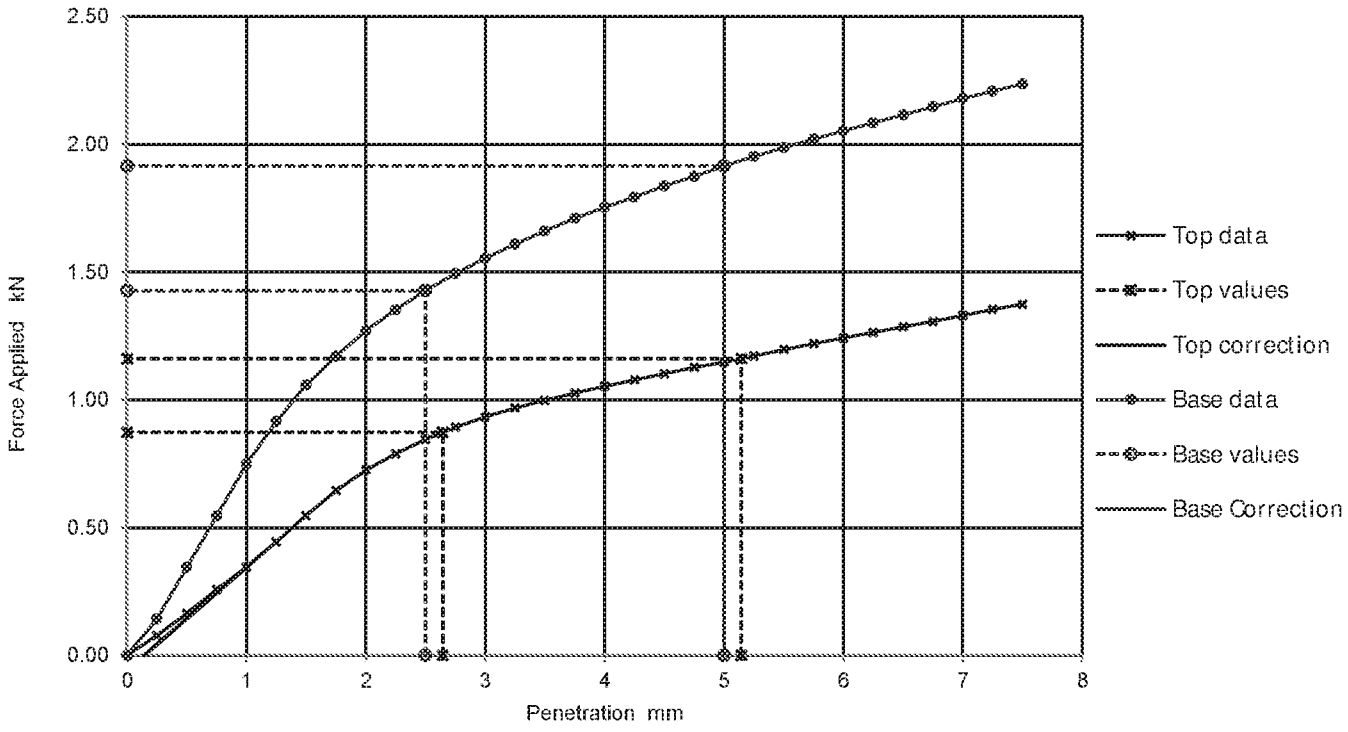
Bulk density	1.72	Mg/m3
Dry density	1.55	Mg/m3
Moisture content	11	%

Soaking details:

Period of soaking	5	days
Time to surface	4	days
Amount of swell recorded	1.45	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	6.6	5.8	6.6	N/A	22
BASE	No	11	9.6	11		25

Remarks

Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

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Checked and Approved

Initials: J.P

Date: 10/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP6				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown gravelly sandy silty CLAY with fine roots and plastic debris (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 8.7 %

Initial Specimen details

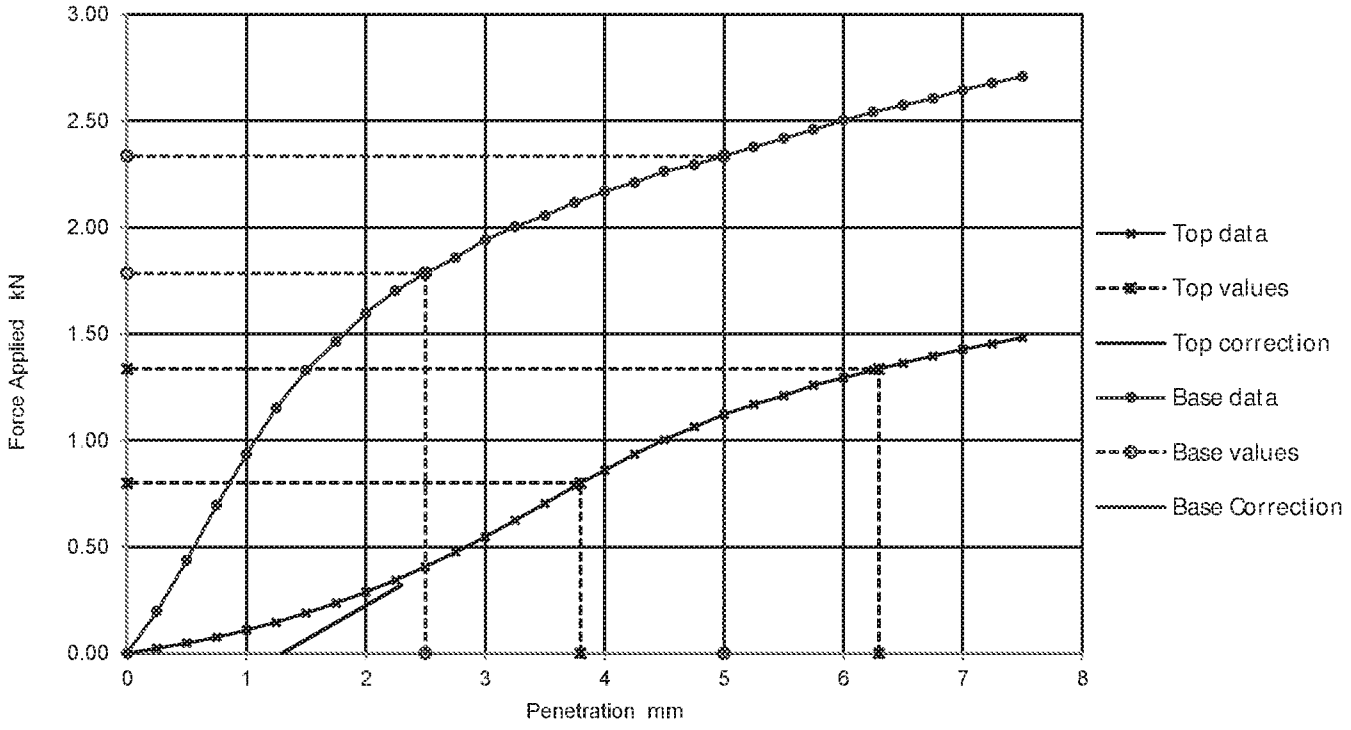
Bulk density	1.90	Mg/m3
Dry density	1.68	Mg/m3
Moisture content	13	%

Soaking details

Period of soaking	5	days
Time to surface	5	days
Amount of swell recorded	2.64	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP	Yes	6.1	6.7	6.7	N/A	19
BASE	No	14	12	14		16

Remarks

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Initials: J.P

Date: 10/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP7				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey gravelly SAND with plastic and glass debris (gravel is fine and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 27 %

Initial Specimen details

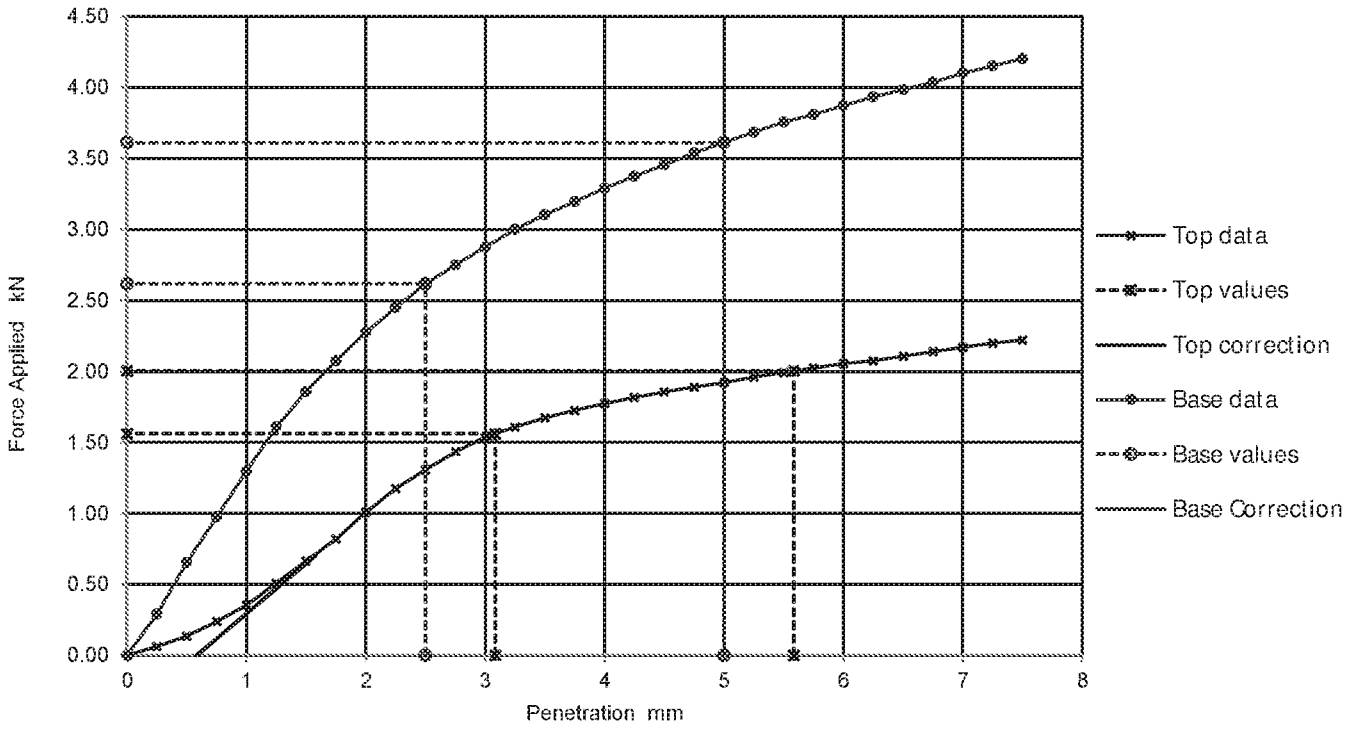
Bulk density	1.96	Mg/m3
Dry density	1.74	Mg/m3
Moisture content	12.9	%

Soaking details

Period of soaking	5	days
Time to surface	4	days
Amount of swell recorded	0.97	mm

Surcharge applied: 6 kg, 4 kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	12	10	12	N/A	19
BASE	No	20	18	20		18

Remarks

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Date: 10/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP2				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Dark brown gravelly SAND with glass and plastic debris (gravel is fine and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 12 %

Initial Specimen details:

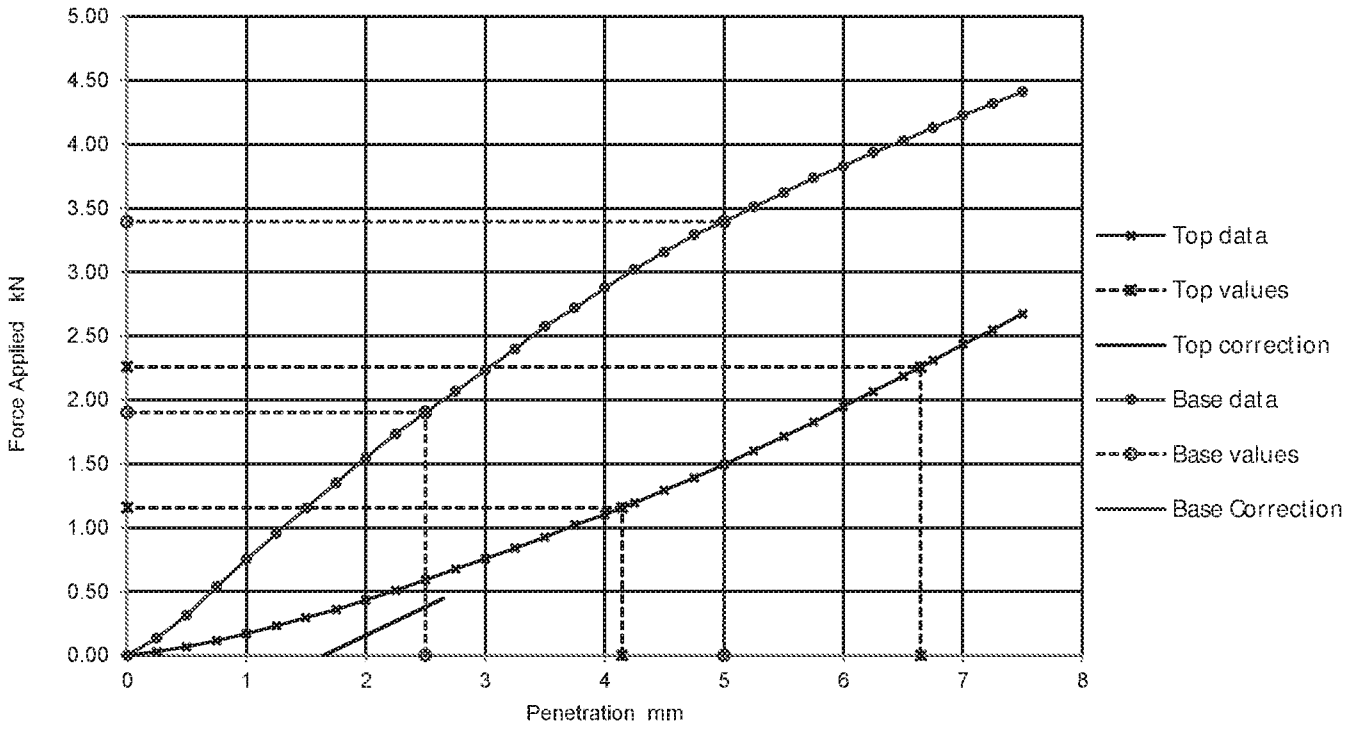
Bulk density	1.85	Mg/m3
Dry density	1.26	Mg/m3
Moisture content	47	%

Soaking details:

Period of soaking	5	days
Time to surface	2	days
Amount of swell recorded	0.12	mm

Surcharge applied: 6 kg, 4 kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	8.8	11	11	N/A	59
BASE	No	14	17	17		45

Remarks

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Date: 16/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP4				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown silty sandy gravelly CLAY with plastic and tile debris (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 12 %

Initial Specimen details

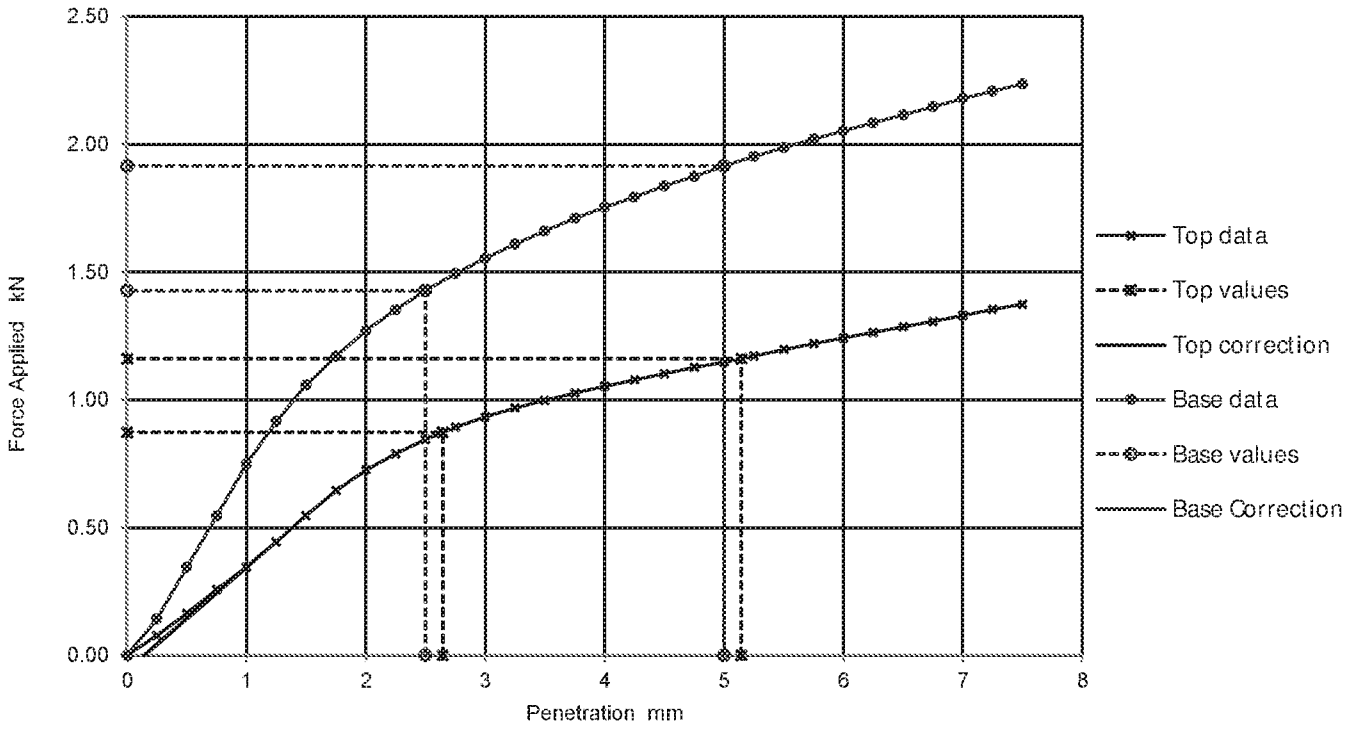
Bulk density	1.72	Mg/m3
Dry density	1.55	Mg/m3
Moisture content	11	%

Soaking details

Period of soaking	5	days
Time to surface	4	days
Amount of swell recorded	1.45	mm

Surcharge applied: 6 kg, 4 kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	6.6	5.8	6.6	N/A	22
BASE	No	11	9.6	11		25

Remarks

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Initials:

Date: 16/10/2018

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP6				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown gravelly sandy silty CLAY with fine roots and plastic debris (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 8.7 %

Initial Specimen details

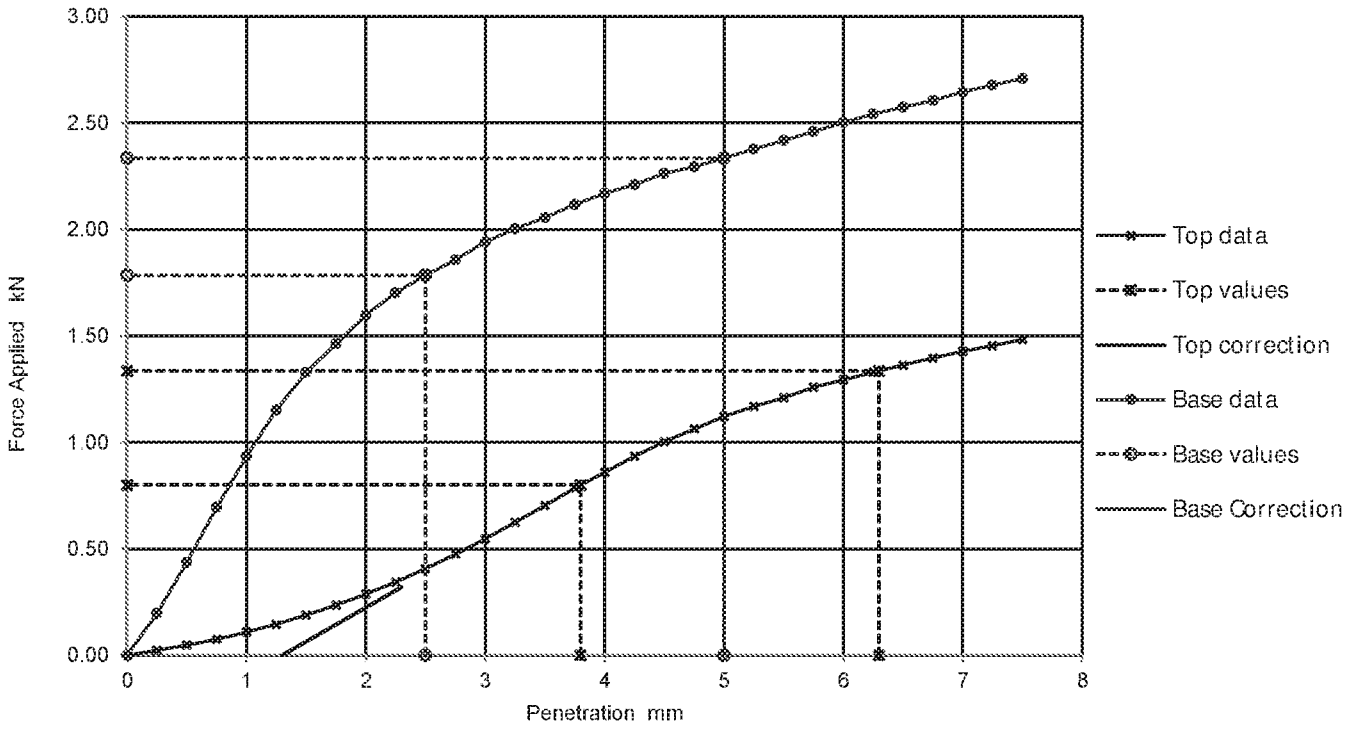
Bulk density	1.90	Mg/m3
Dry density	1.68	Mg/m3
Moisture content	13	%

Soaking details

Period of soaking	5	days
Time to surface	5	days
Amount of swell recorded	2.64	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP	Yes	6.1	6.7	6.7	N/A	19
BASE	No	14	12	14		16

Remarks

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Checked and Approved

Initials:

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ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP7				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey gravelly SAND with plastic and glass debris (gravel is fine and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 27 %

Initial Specimen details:

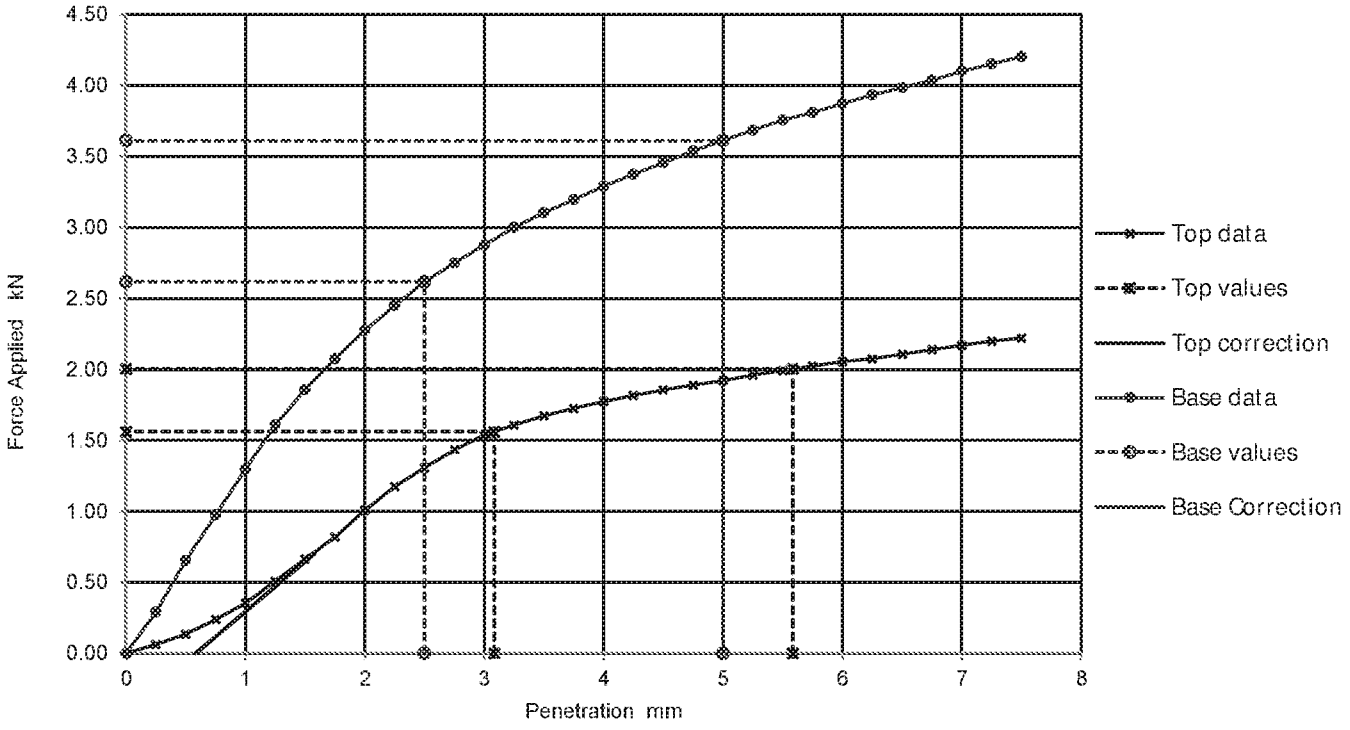
Bulk density	1.96	Mg/m3
Dry density	1.74	Mg/m3
Moisture content	13	%

Soaking details:

Period of soaking	5	days
Time to surface	4	days
Amount of swell recorded	0.97	mm

Surcharge applied: 6 kg, 4 kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	12	10	12	N/A	19
BASE	No	20	18	20		18

Remarks

Test Report by K4 SOILS LABORATORY
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Initials:

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ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP10				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey gravelly SAND with numerous roots and rootlets and brick fragments (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 9.3 %

Initial Specimen details

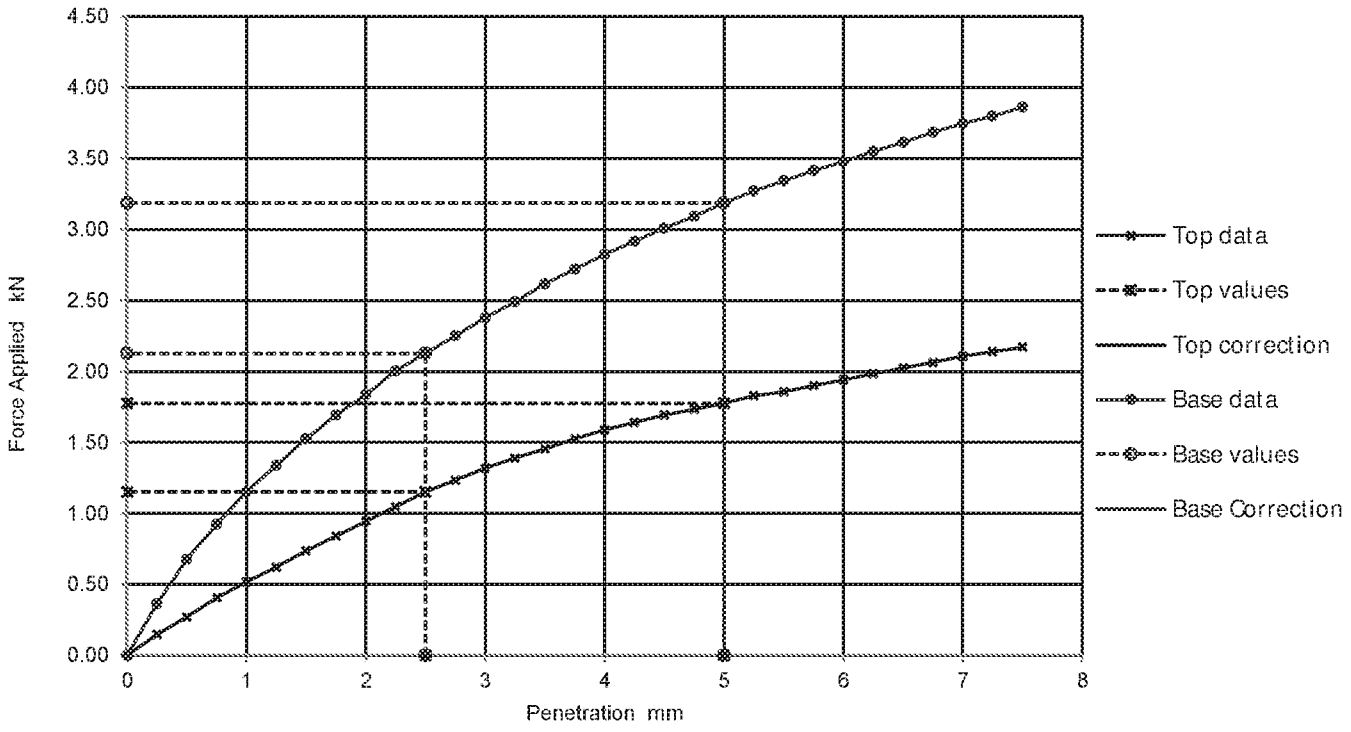
Bulk density	2.00	Mg/m3
Dry density	1.75	Mg/m3
Moisture content	14	%

Soaking details

Period of soaking	8	days
Time to surface	5	days
Amount of swell recorded	1.24	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	No	8.7	8.9	8.9	N/A	18
BASE	No	16	16	16		17

Remarks

Test Report by K4 SOILS LABORATORY
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Checked and Approved

Initials:

Date: 16/10/2018

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP12				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey gravelly SAND with glass, brick, plastic debris and cloth (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 19 %

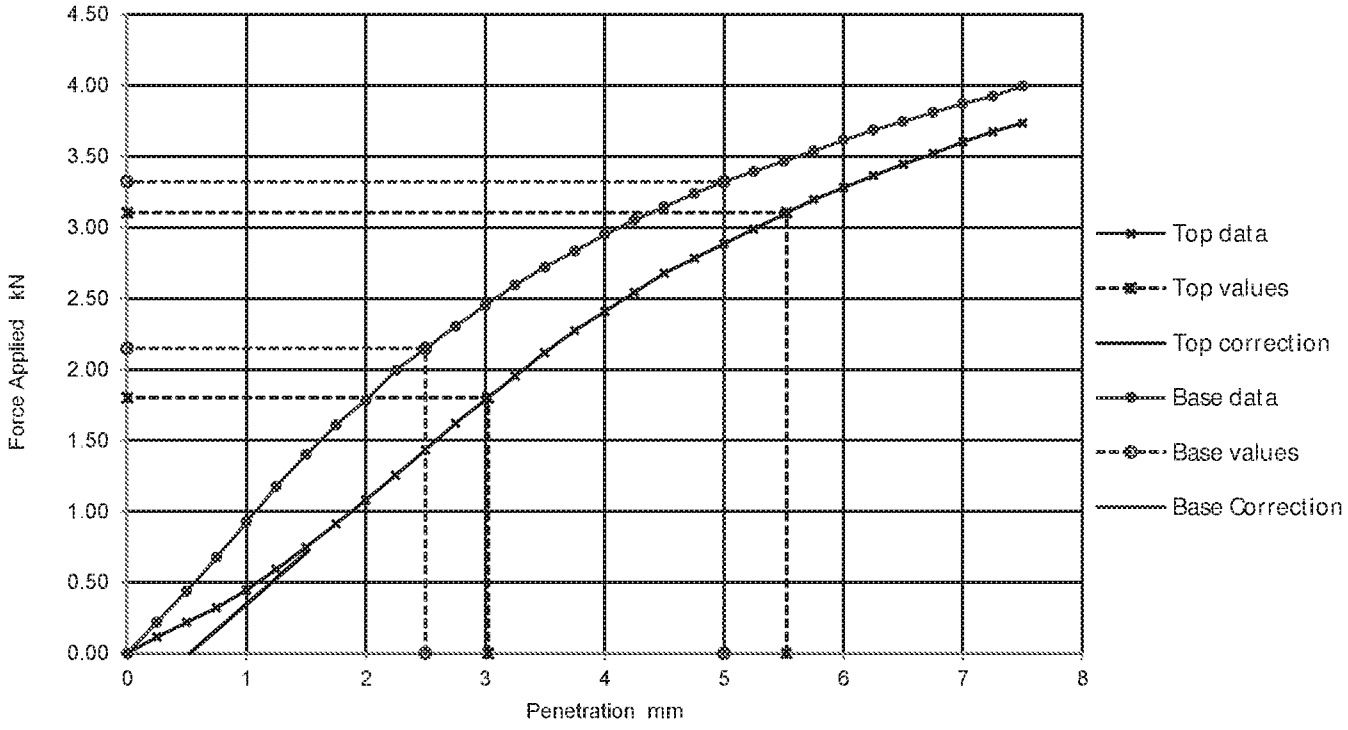
Initial Specimen details:

Bulk density	1.53	Mg/m3
Dry density	1.22	Mg/m3
Moisture content	26	%

Soaking details:

Period of soaking	8	days
Time to surface	3	days
Amount of swell recorded	0.33	mm
Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	14	16	16	16	34
BASE	No	16	17	17		41

Remarks

Test Report by K4 SOILS LABORATORY
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Initials:

Date: 16/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP14				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown sandy gravelly CLAY with glass and brick fragments and rootlets (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 17 %

Initial Specimen details:

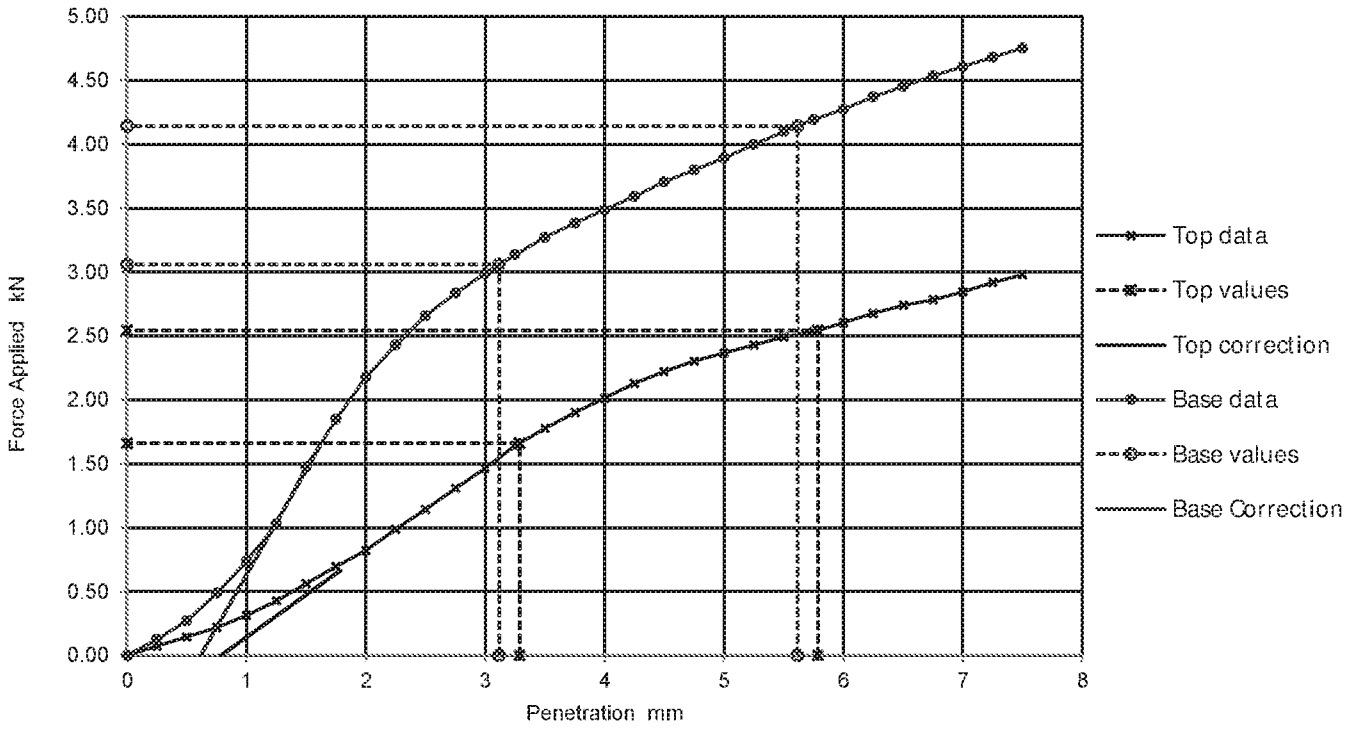
Bulk density	2.00	Mg/m3
Dry density	1.83	Mg/m3
Moisture content	9.5	%

Soaking details:

Period of soaking	8	days
Time to surface	5	days
Amount of swell recorded	0.97	mm

Surcharge applied: 6 kg, 4 kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP	Yes	13	13	13	N/A	16
BASE	Yes	23	21	23		15

Remarks

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Checked and Approved

Initials:

Date: 16/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP15				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey sandy GRAVEL with glass and klinker fragments (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 31 %

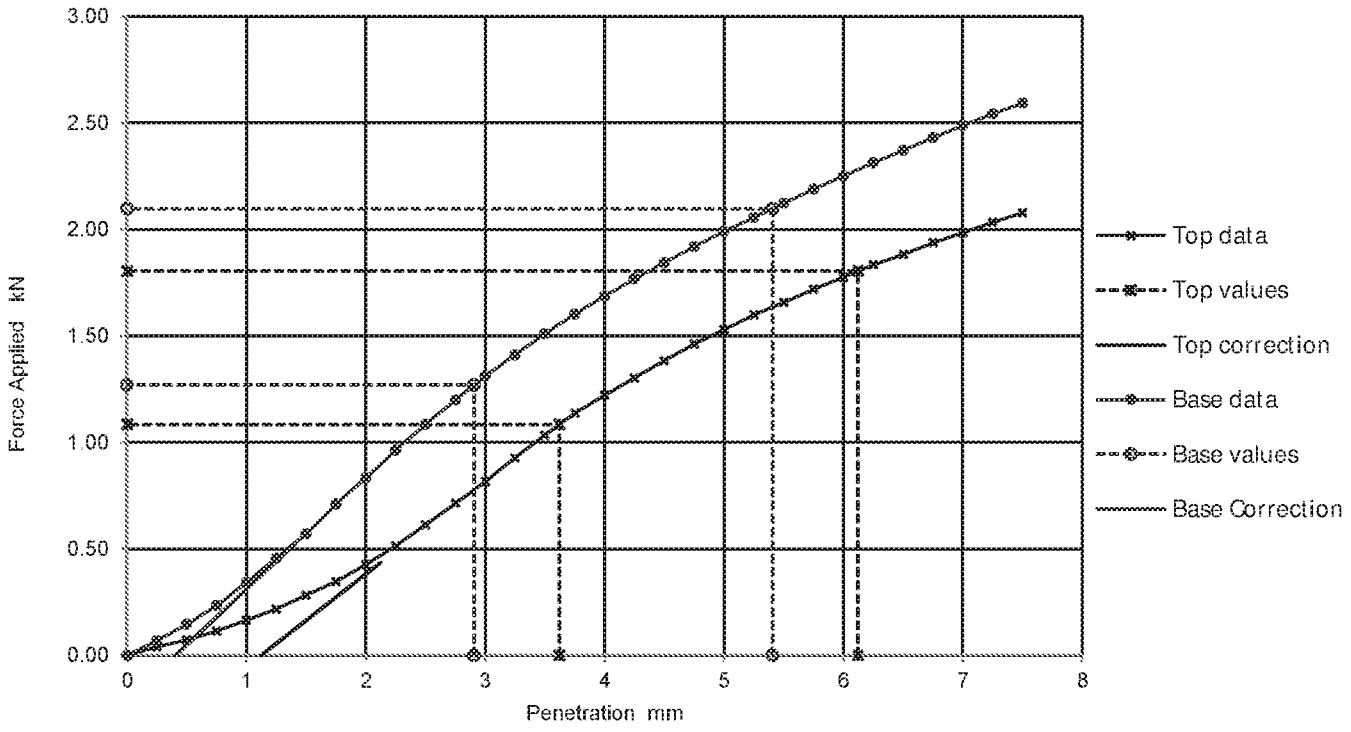
Initial Specimen details

Bulk density	1.74	Mg/m3
Dry density	1.52	Mg/m3
Moisture content	14	%

Soaking details

Period of soaking	8	days
Time to surface	5	days
Amount of swell recorded	1.05	mm
Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	8.2	9.0	9.0	9.8	24
BASE	Yes	9.6	10	10		23

Remarks

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Initials:

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ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP17				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown sandy gravelly CLAY with plastic, glass and tile fragments (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 19 %

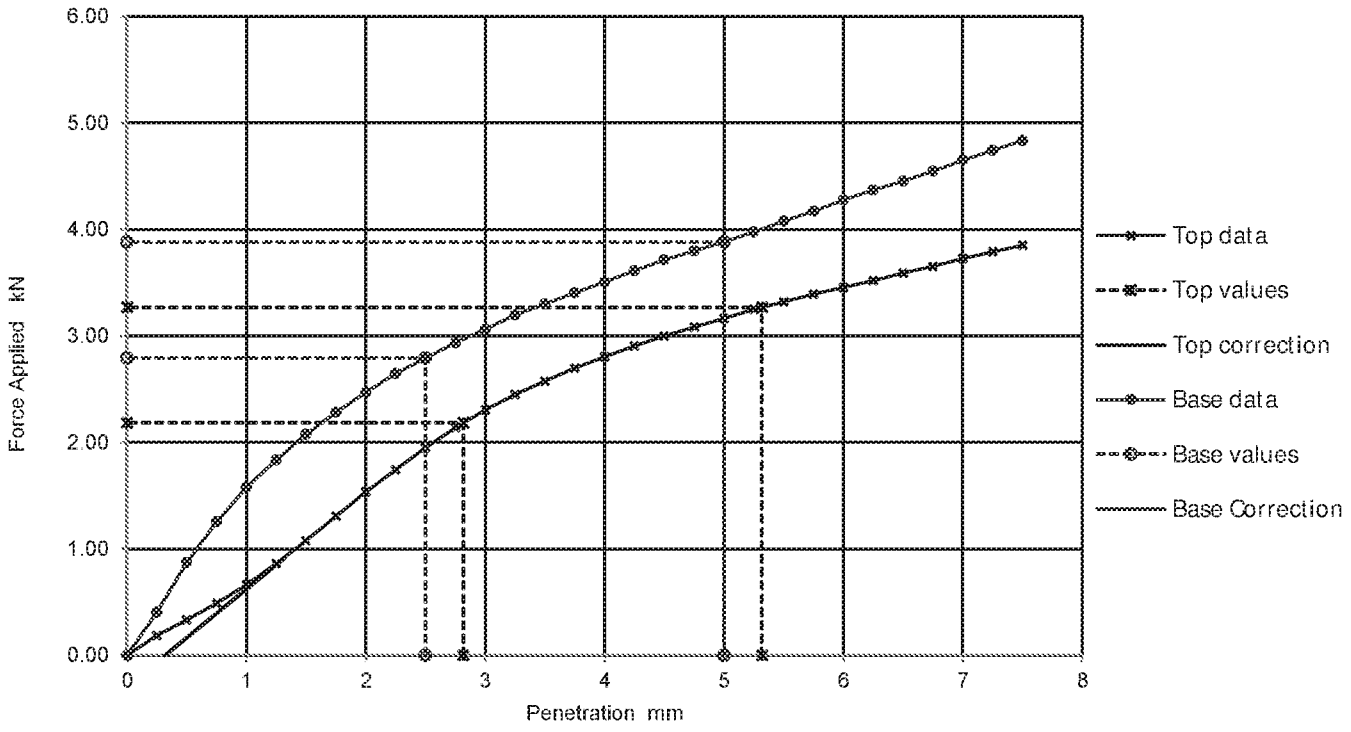
Initial Specimen details

Bulk density	1.73	Mg/m3
Dry density	1.42	Mg/m3
Moisture content	22	%

Soaking details

Period of soaking	8	days
Time to surface	3	days
Amount of swell recorded	0.47	mm
Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	17	16	17	N/A	26
BASE	No	21	19	21		28

Remarks

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Checked and Approved

Initials:

Date: 16/10/2018

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP2				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Dark brown gravelly SAND with glass and plastic debris (gravel is fine and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 12 %

Initial Specimen details:

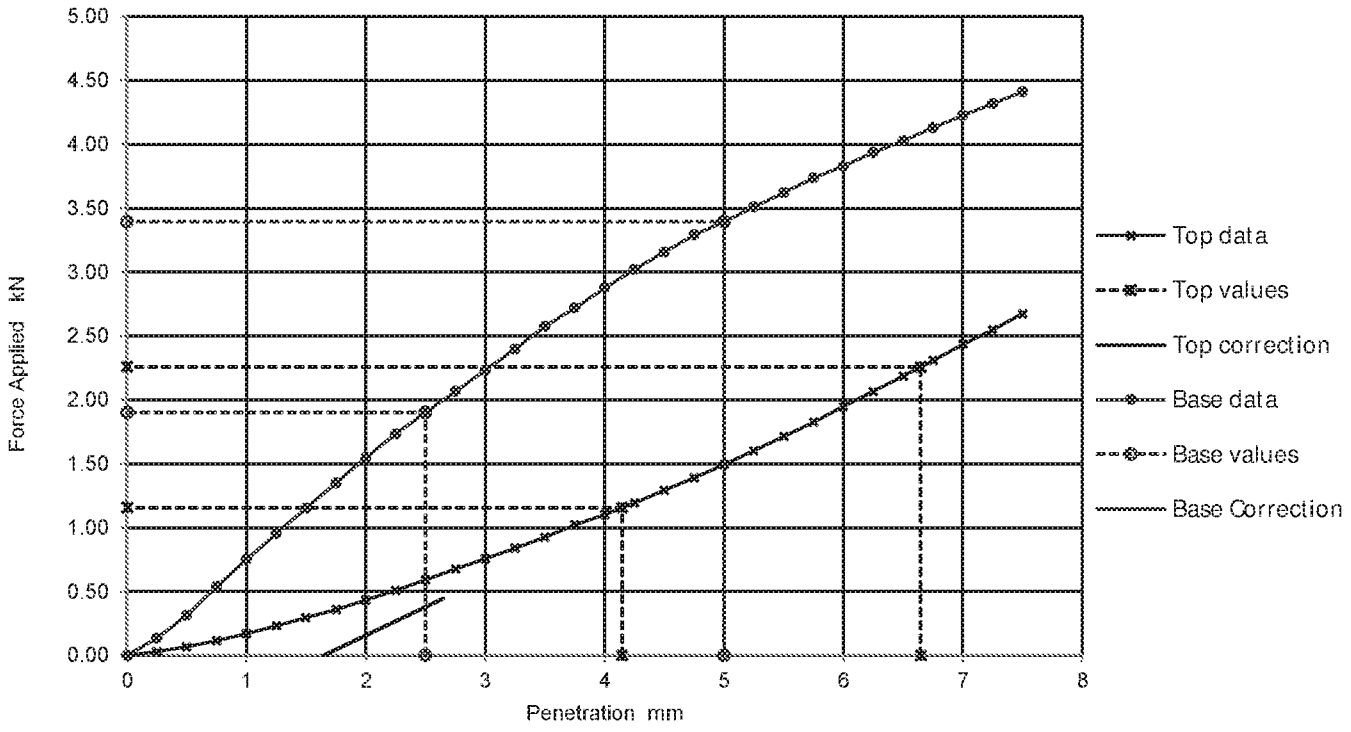
Bulk density	1.85	Mg/m3
Dry density	1.26	Mg/m3
Moisture content	47	%

Soaking details:

Period of soaking	5	days
Time to surface	2	days
Amount of swell recorded	0.12	mm

Surcharge applied: 6 kg, 4 kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP	Yes	8.8	11	11	N/A	59
BASE	No	14	17	17		45

Remarks

Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

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Email: James@k4soils.com

Checked and Approved

Initials: J.P

Date: 22/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP4				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown silty sandy gravelly CLAY with plastic and tile debris (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 12 %

Initial Specimen details:

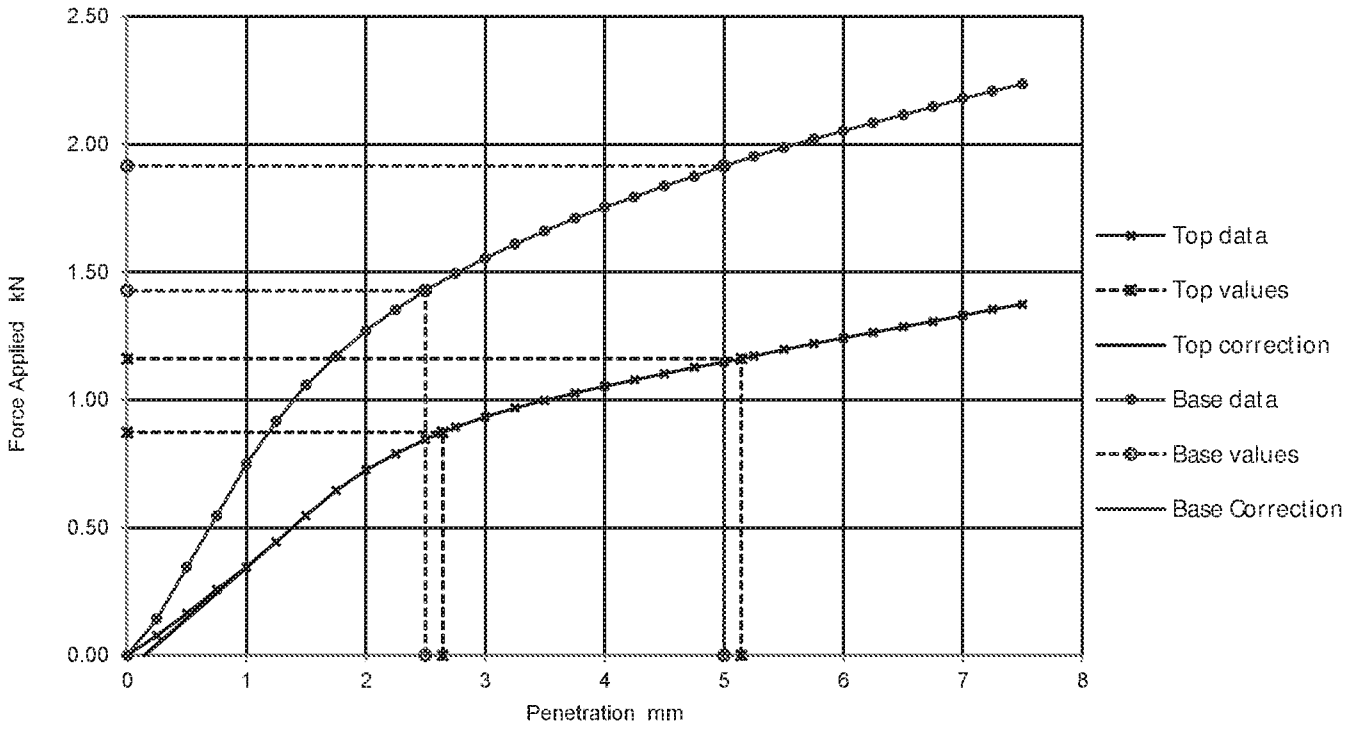
Bulk density	1.72	Mg/m3
Dry density	1.55	Mg/m3
Moisture content	11	%

Soaking details:

Period of soaking	5	days
Time to surface	4	days
Amount of swell recorded	1.45	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	6.6	5.8	6.6	N/A	22
BASE	No	11	9.6	11		25

Remarks

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Date: 22/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP6				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown gravelly sandy silty CLAY with fine roots and plastic debris (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 8.7 %

Initial Specimen details

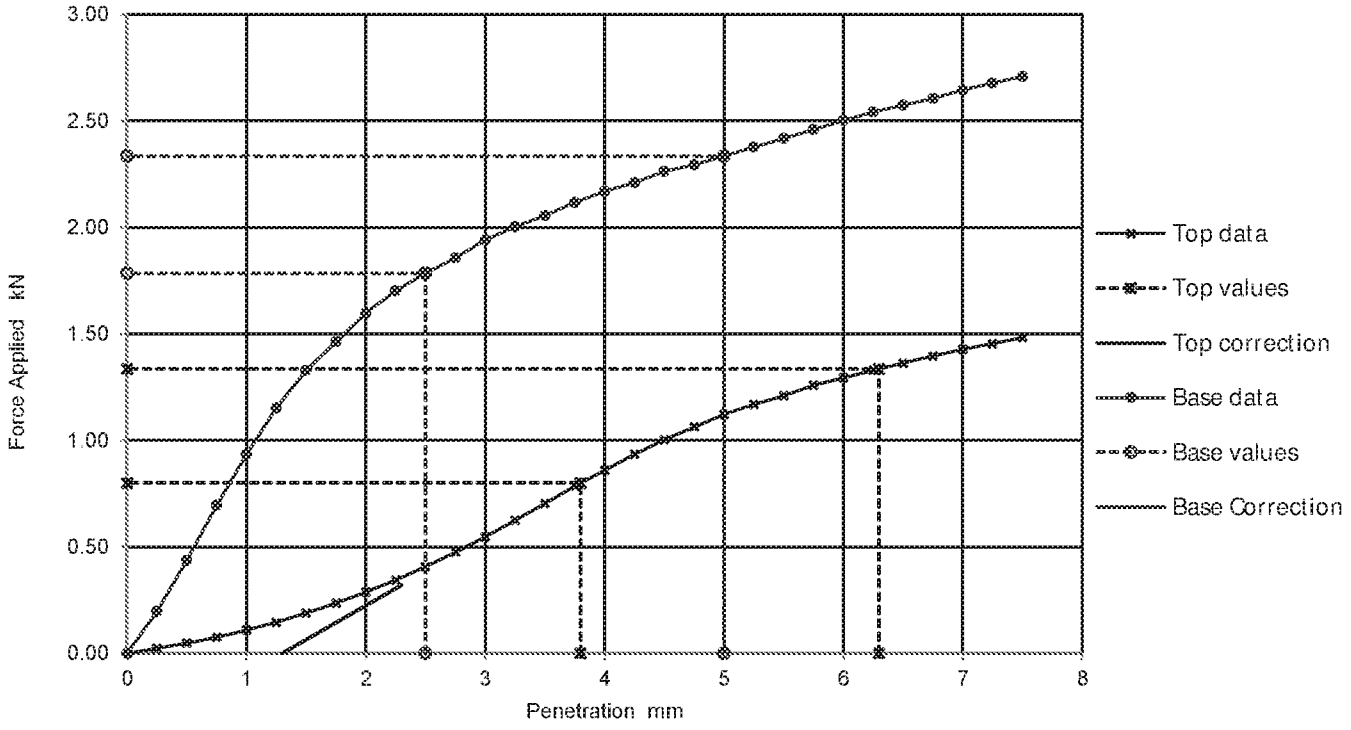
Bulk density	1.90	Mg/m3
Dry density	1.68	Mg/m3
Moisture content	13	%

Soaking details

Period of soaking	5	days
Time to surface	5	days
Amount of swell recorded	2.64	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP	Yes	6.1	6.7	6.7	N/A	19
BASE	No	14	12	14		16

Remarks

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Date: 22/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP7				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey gravelly SAND with plastic and glass debris (gravel is fine and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	04/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 27 %

Initial Specimen details:

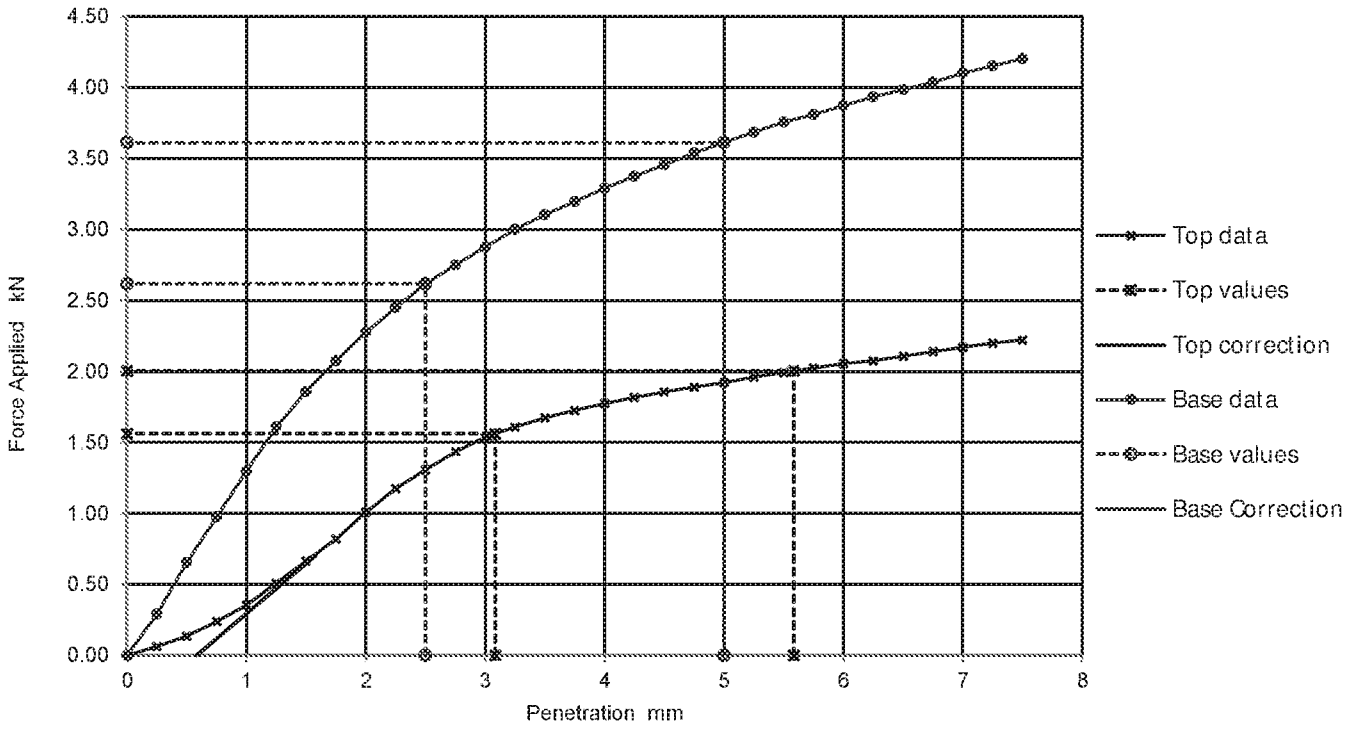
Bulk density	1.96	Mg/m3
Dry density	1.74	Mg/m3
Moisture content	13	%

Soaking details:

Period of soaking	5	days
Time to surface	4	days
Amount of swell recorded	0.97	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	12	10	12	N/A	19
BASE	No	20	18	20		18

Remarks

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Date: 22/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP10				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey gravelly SAND with numerous roots and rootlets and brick fragments (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 9.3 %

Initial Specimen details:

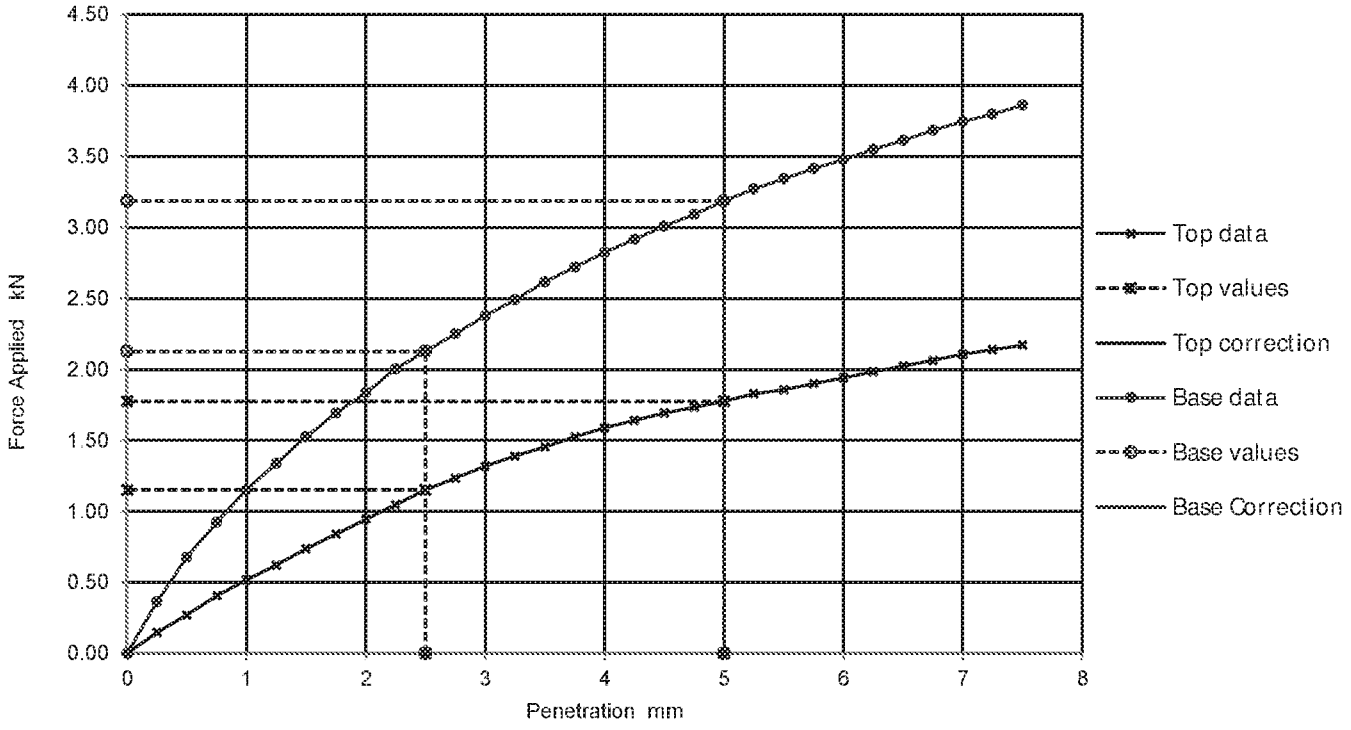
Bulk density	2.00	Mg/m3
Dry density	1.75	Mg/m3
Moisture content	14	%

Soaking details:

Period of soaking	8	days
Time to surface	5	days
Amount of swell recorded	1.24	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	No	8.7	8.9	8.9	N/A	18
BASE	No	16	16	16		17

Remarks

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Initials: J.P

Date: 22/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP12				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey gravelly SAND with glass, brick, plastic debris and cloth (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 19 %

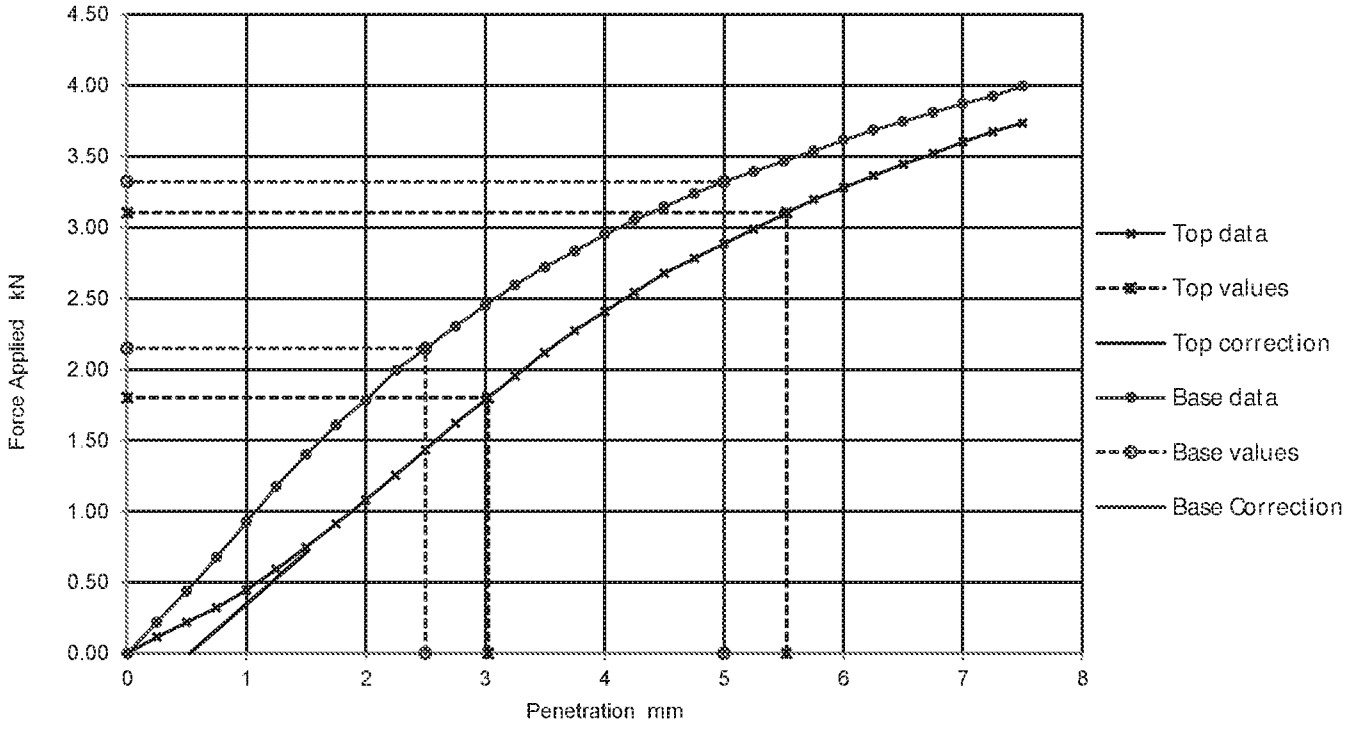
Initial Specimen details

Bulk density	1.53	Mg/m3
Dry density	1.22	Mg/m3
Moisture content	26	%

Soaking details

Period of soaking	8	days
Time to surface	3	days
Amount of swell recorded	0.33	mm
Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	14	16	16	16	34
BASE	No	16	17	17		41

Remarks

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ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP14				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown sandy gravelly CLAY with glass and brick fragments and rootlets (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 17 %

Initial Specimen details:

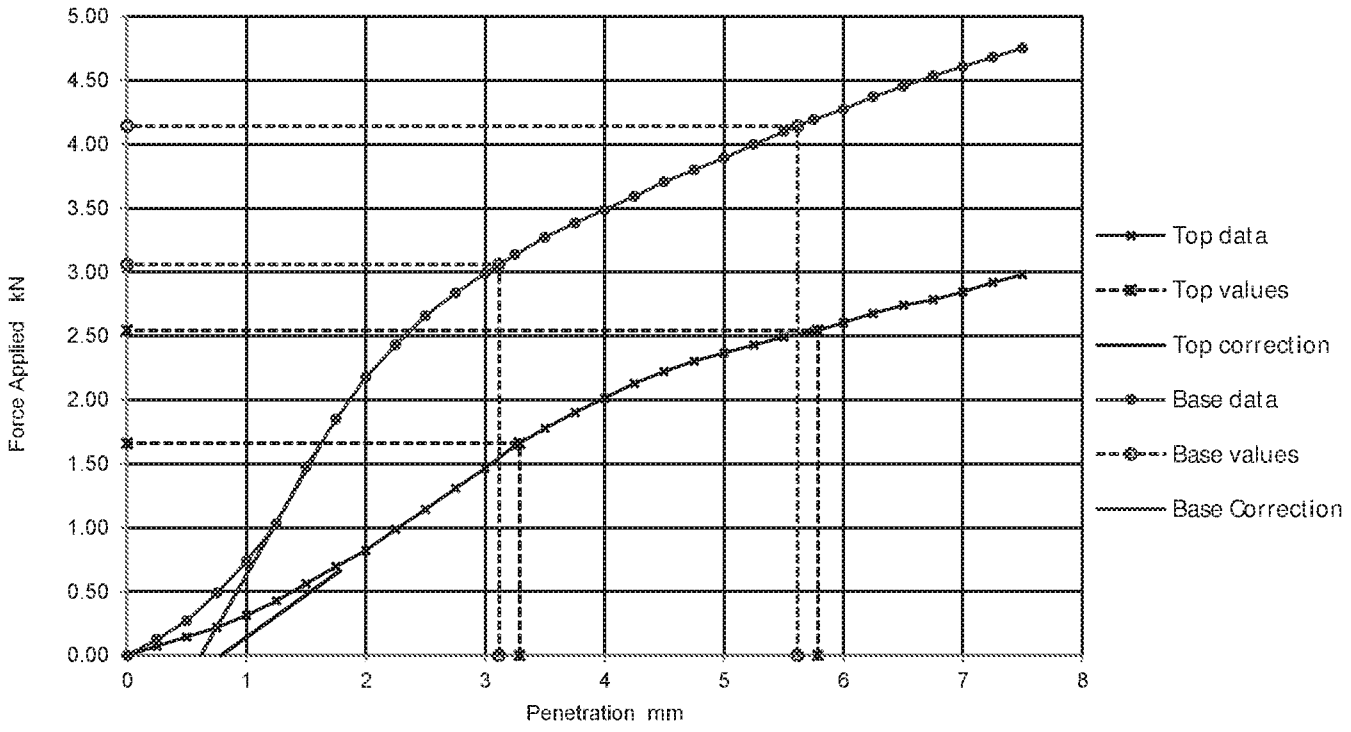
Bulk density	2.00	Mg/m3
Dry density	1.83	Mg/m3
Moisture content	10	%

Soaking details:

Period of soaking	8	days
Time to surface	5	days
Amount of swell recorded	0.97	mm

Surcharge applied: 6 kg, 4 kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	13	13	13	N/A	16
BASE	Yes	23	21	23		15

Remarks

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ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP15				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown clayey sandy GRAVEL with glass and klinker fragments (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 31 %

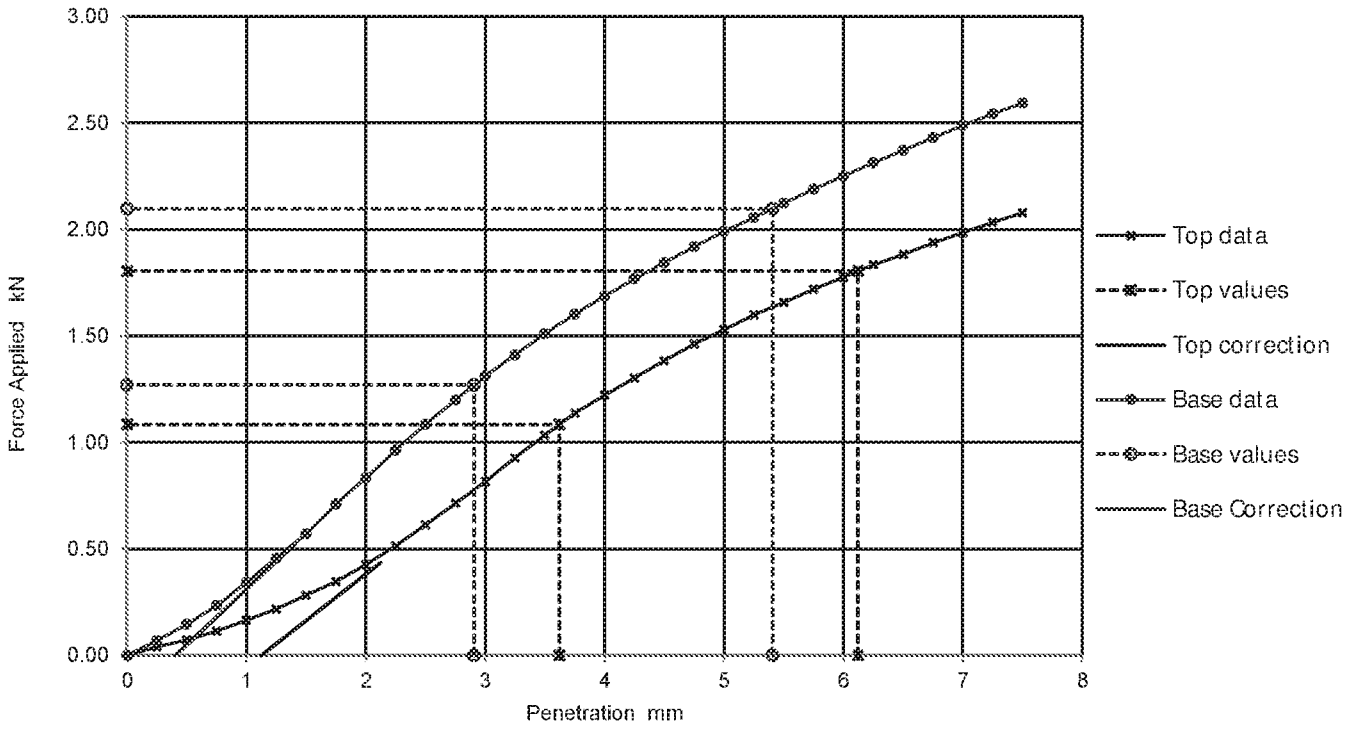
Initial Specimen details

Bulk density	1.74	Mg/m3
Dry density	1.52	Mg/m3
Moisture content	14	%

Soaking details

Period of soaking	8	days
Time to surface	5	days
Amount of swell recorded	1.05	mm
Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	8.2	9.0	9.0	9.8	24
BASE	Yes	9.6	10	10		23

Remarks

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ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP17				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.80 m
Soil Description	Brown sandy gravelly CLAY with plastic, glass and tile fragments (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	08/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 19 %

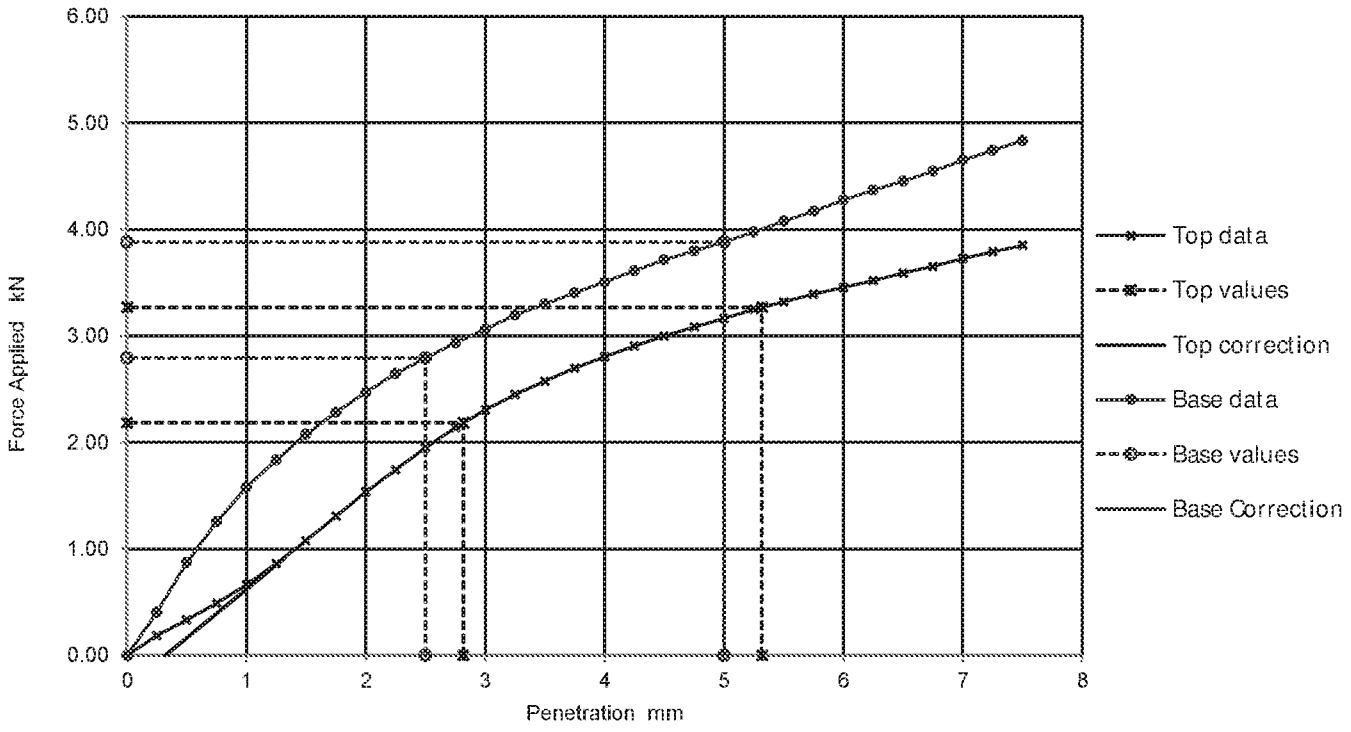
Initial Specimen details

Bulk density	1.73	Mg/m3
Dry density	1.42	Mg/m3
Moisture content	22	%

Soaking details

Period of soaking	8	days
Time to surface	3	days
Amount of swell recorded	0.47	mm
Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	17	16	17	N/A	26
BASE	No	21	19	21		28

Remarks

Test Report by K4 SOILS LABORATORY
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ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP19				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.70 m
Soil Description	Brown slightly gravelly sandy silty CLAY with glass and tile fragments and fine rootlets (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	15/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 2.5 %

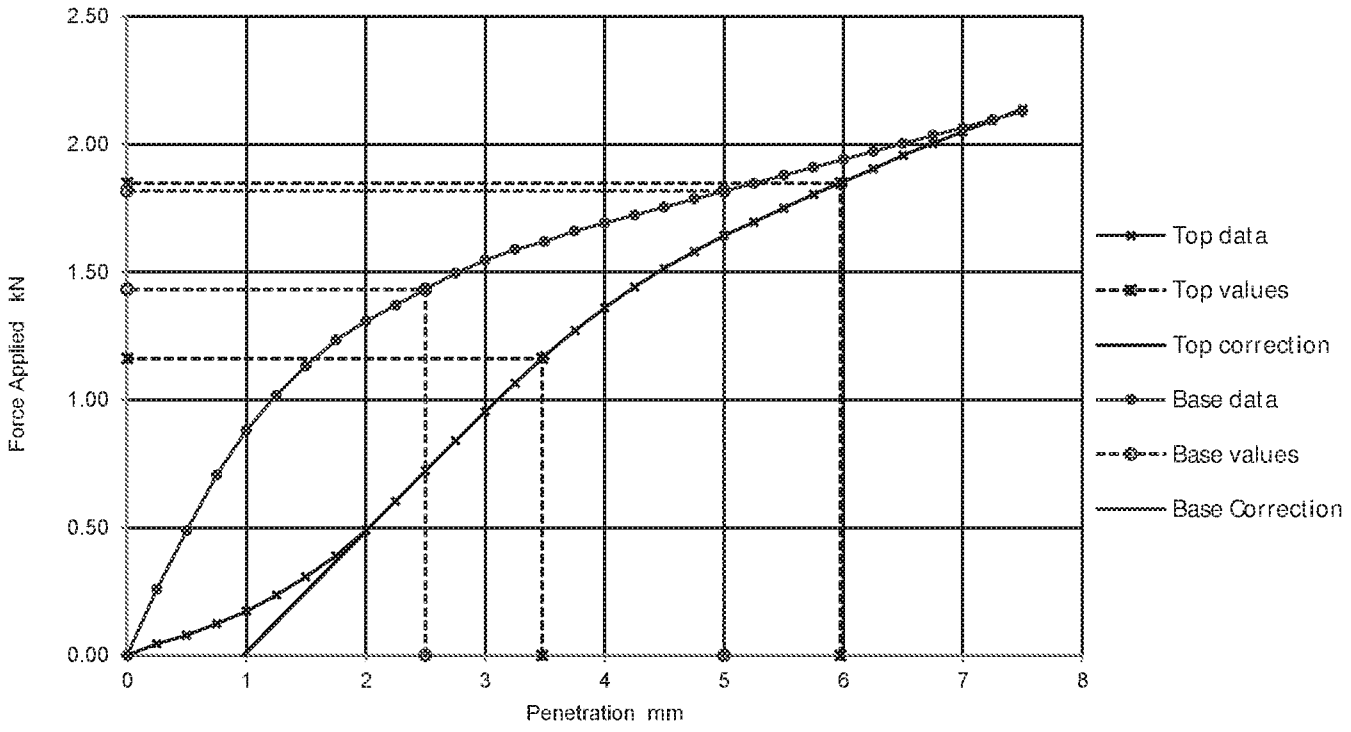
Initial Specimen details:

Bulk density	1.71	Mg/m3
Dry density	1.50	Mg/m3
Moisture content	14	%

Soaking details:

Period of soaking	5	days
Time to surface	3	days
Amount of swell recorded	0.94	mm
Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	8.8	9.2	9.2	10	29
BASE	No	11	9	11		25

Remarks

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Test Report by K4 SOILS LABORATORY
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Date: 22/10/2018

2519 | Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr) | MSF-5-R16

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP20				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.70 m
Soil Description	Brown slightly gravelly sandy silty CLAY with glass, tile and brick fragments (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	15/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 18 %

Initial Specimen details

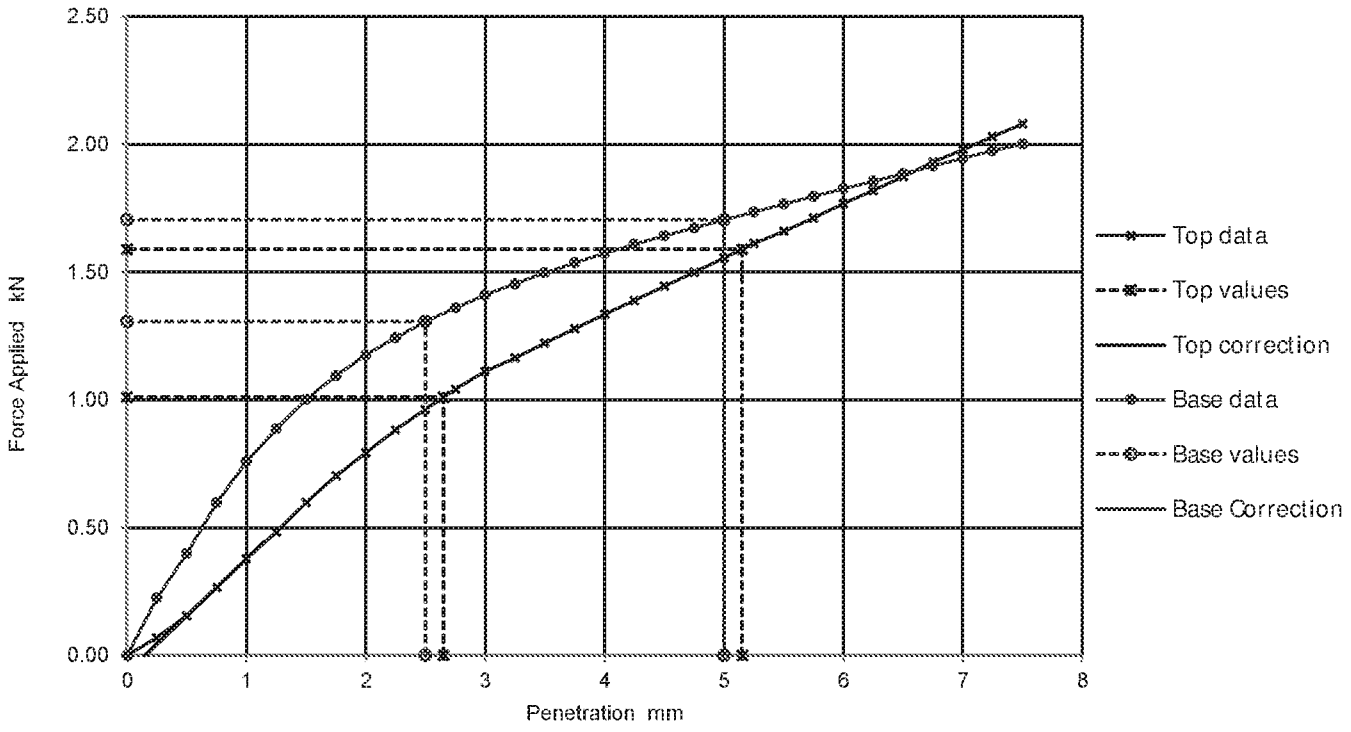
Bulk density	1.61	Mg/m3
Dry density	1.45	Mg/m3
Moisture content	11	%

Soaking details

Period of soaking	5	days
Time to surface	3	days
Amount of swell recorded	1.62	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	7.7	7.9	7.9	N/A	29
BASE	No	9.9	8.5	9.9		26

Remarks

11

Test Report by K4 SOILS LABORATORY
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Date: 22/10/2018

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP21				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.70 m
Soil Description	Brown gravelly clayey SAND with glass, tile, tarmac and brick fragments (gravel is fmc and angular to sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	15/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 20 %

Initial Specimen details

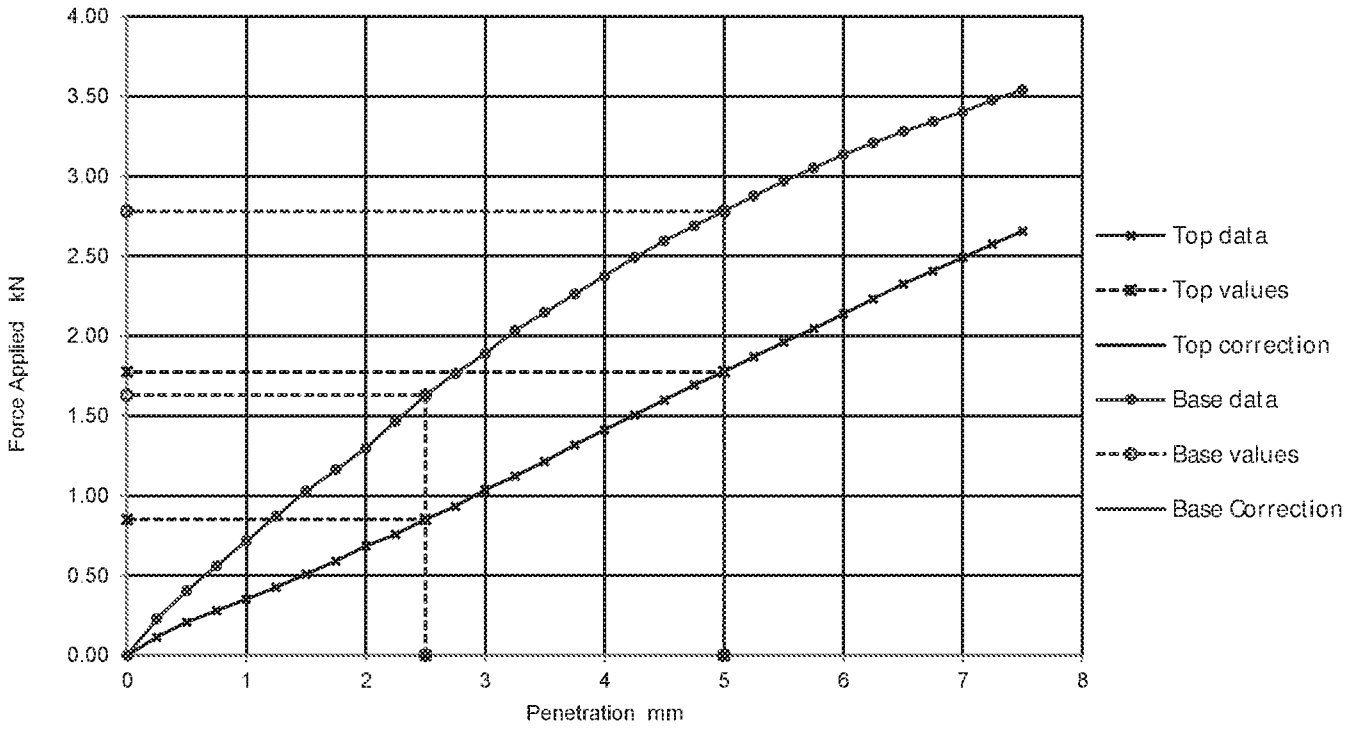
Bulk density	1.87	Mg/m3
Dry density	1.51	Mg/m3
Moisture content	24	%

Soaking details

Period of soaking	5	days
Time to surface	3	days
Amount of swell recorded	0.39	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	No	6.4	8.9	8.9	N/A	27
BASE	No	12	14	14		24

Remarks

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Date: 22/10/2018

ARUN DISTRICT COUNCIL LU/330/18/PL

California Bearing Ratio (CBR)

Job Ref	25183				
Borehole/Pit No.	DCP24				
Site Name	Cornfield Close, Littlehampton			Sample No.	-
Project No.	GE17106	Client	GESL	Depth Top	0.75 m
Soil Description	Brown gravelly silty sandy CLAY with occasional tile fragments (gravel is fmc and angular to sub-rounded)			Depth Base	- m
				Sample Type	B
				Samples received	17/08/2018
				Schedules received	13/09/2018
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	14/09/2018
				Date Tested	15/10/2018

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 5.5 %

Initial Specimen details

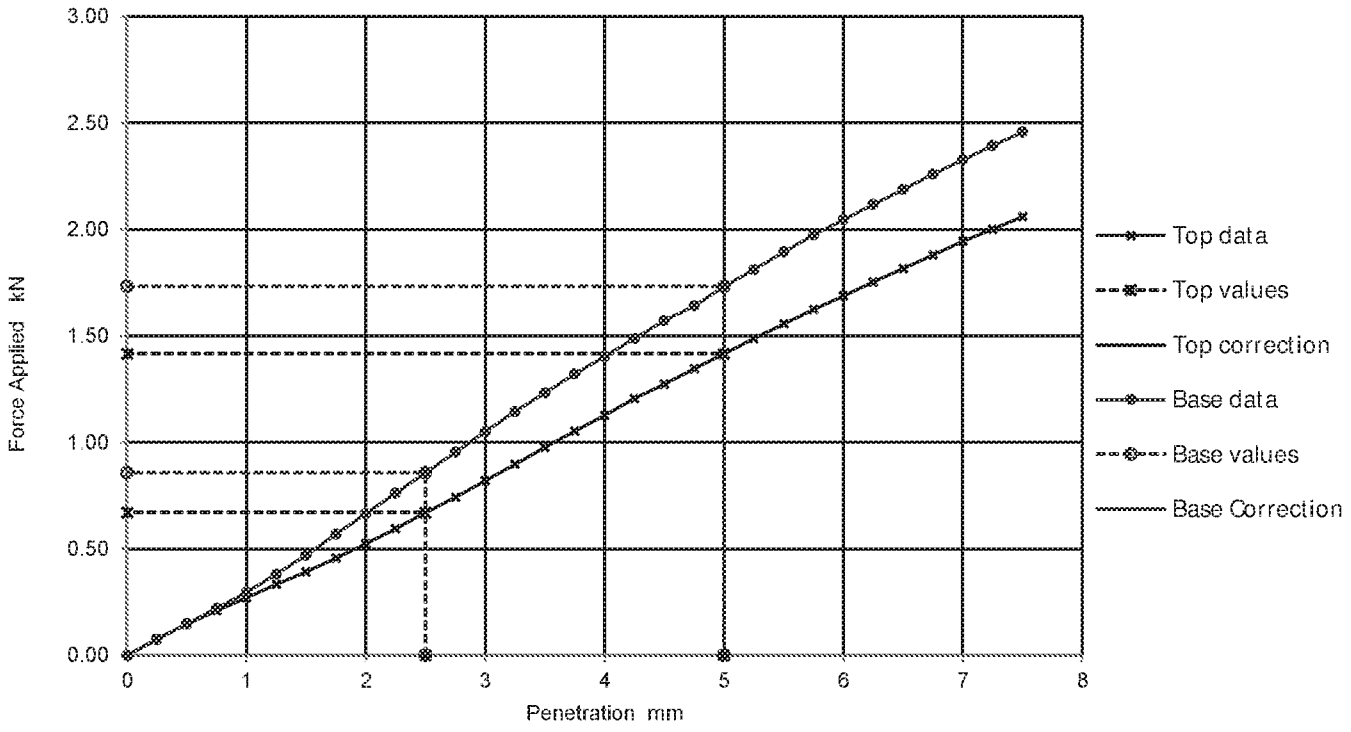
Bulk density	1.99	Mg/m3
Dry density	1.66	Mg/m3
Moisture content	20	%

Soaking details

Period of soaking	5	days
Time to surface	3	days
Amount of swell recorded	0.27	mm

Surcharge applied: 6 kg, 4 kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP	No	5.1	7.1	7.1	N/A	20
BASE	No	6.5	8.7	8.7		19

Remarks

Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
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ARUN DISTRICT COUNCIL LU/330/18/PL

APPENDIX C

Geochemical Laboratory Results, CLEA Calculations & Statistical Analysis Summary Sheets

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	18-19149
Issue:	1
Date of Issue:	29/08/2018
Contact:	Glyn Evans
Customer Details:	GESL Unit 7 Danworth Farm Hurstpierpoint West Sussex BN6 9GL
Quotation No:	Q14-00021
Order No:	Not Supplied
Customer Reference:	GE17106
Date Received:	20/08/2018
Date Approved:	29/08/2018
Details:	Cornfield Close, Littlehampton
Approved by:	

Mike Varley, Technical Manager

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

ARUN DISTRICT COUNCIL LU/330/18/PL

ELAB

Sample Summary

Report No.: 18-19149

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
147240	TP205 0.50	14/08/2018	20/08/2018	Sandy silty loam	
147241	TP205 1.50	14/08/2018	20/08/2018	Sandy silty loam	
147242	TP205 2.50	14/08/2018	20/08/2018	Sandy silty loam	
147243	TP205 2.00	14/08/2018	20/08/2018	Sandy silty loam	
147244	TP204 0.20	14/08/2018	20/08/2018	Sandy silty loam	
147245	TP204 1.50	14/08/2018	20/08/2018	Silty loam	
147246	TP206 1.00	14/08/2018	20/08/2018	Silty loam	
147247	TP206 1.50	14/08/2018	20/08/2018	Silty loam	
147248	TP207 0.50	14/08/2018	20/08/2018	Silty loam	
147249	TP207 2.00	14/08/2018	20/08/2018	Silty loam	
147250	TP208 1.00	14/08/2018	20/08/2018	Loamy sand	
147251	TP208 1.50	14/08/2018	20/08/2018	Silty loam	
147252	TP201 1.80	14/08/2018	20/08/2018	Sandy silty loam	
147253	TP209 1.50	14/08/2018	20/08/2018	Silty loam	g
147254	BH102 1.50 - 1.95	13/08/2018	20/08/2018	Sandy loam	g
147255	BH102 1.00	13/08/2018	20/08/2018	Sandy silty loam	
147256	BH104 0.50	14/08/2018	20/08/2018	Silty loam	
147257	TP202 1.00	13/08/2018	20/08/2018	Silty loam	
147258	TP203 0.50	13/08/2018	20/08/2018	Sandy silty loam	
147259	TP203 1.50	13/08/2018	20/08/2018	Sandy silty loam	
147260	BH101 0.80	15/08/2018	20/08/2018	Sandy silty loam	
147261	BH107 0.50	16/08/2018	20/08/2018	Sandy silty loam	
147262	BH102 0.30	13/08/2018	20/08/2018		
147263	BH102 0.50	13/08/2018	20/08/2018		
147264	TP204 0.50	14/08/2018	20/08/2018		
147265	TP204 1.00	14/08/2018	20/08/2018		
147266	TP204 2.00	14/08/2018	20/08/2018		
147267	TP205 0.10	14/08/2018	20/08/2018		
147268	TP205 1.00	14/08/2018	20/08/2018		
147269	TP205 3.00	14/08/2018	20/08/2018		
147270	TP206 0.20	14/08/2018	20/08/2018		
147271	TP206 0.50	14/08/2018	20/08/2018		
147272	TP206 2.00	14/08/2018	20/08/2018		
147273	TP207 0.20	14/08/2018	20/08/2018		
147274	TP207 1.00	14/08/2018	20/08/2018		
147275	TP207 1.50	14/08/2018	20/08/2018		
147276	TP208 0.20	14/08/2018	20/08/2018		
147277	TP208 0.50	14/08/2018	20/08/2018		
147278	TP208 2.00	14/08/2018	20/08/2018		
147279	TP202 0.20	13/08/2018	20/08/2018		
147280	TP202 0.50	13/08/2018	20/08/2018		
147281	TP202 1.50	13/08/2018	20/08/2018		
147282	TP202 2.00	13/08/2018	20/08/2018		
147283	TP203 0.20	13/08/2018	20/08/2018		
147284	TP203 1.00	13/08/2018	20/08/2018		
147285	TP203 2.00	13/08/2018	20/08/2018		
147286	BH104 0.30	14/08/2018	20/08/2018		
147287	BH104 1.00	14/08/2018	20/08/2018		
147288	BH101 0.30	15/08/2018	20/08/2018		
147289	BH101 1.00	15/08/2018	20/08/2018		
147290	BH107 0.30	16/08/2018	20/08/2018		
147291	BH107 1.00	16/08/2018	20/08/2018		

Results Summary

Report No.: 18-19149

ELAB Reference				147240	147241	147242	147243	147244	147245
Customer Reference									
Sample ID									
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP205	TP205	TP205	TP205	TP204	TP204
Sample Depth (m)				0.50	1.50	2.50	2.00	0.20	1.50
Sampling Date				14/08/2018	14/08/2018	14/08/2018	14/08/2018	14/08/2018	14/08/2018
Determinand	**Codes**	**Units**	**LOD**						
Metals									
Arsenic	M	mg/kg	1	12.5	72.1	14.1	71.6	13.3	n/t
Barium	U	mg/kg	10	112	781	111	1160	93.9	n/t
Beryllium	U	mg/kg	1	< 1.0	9.2	1.3	11.2	1.1	n/t
Cadmium	M	mg/kg	0.5	< 0.5	1.2	< 0.5	1.1	< 0.5	n/t
Chromium	M	mg/kg	5	24.6	50.1	33.6	60.4	23.5	n/t
Copper	M	mg/kg	5	32.4	171	28.4	393	22.7	n/t
Lead	M	mg/kg	5	115	682	34.6	2260	98.4	n/t
Mercury	M	mg/kg	0.5	< 0.5	0.8	< 0.5	0.6	< 0.5	n/t
Nickel	M	mg/kg	5	17.7	87.4	29.8	114	16.9	n/t
Selenium	M	mg/kg	1	< 1.0	3.5	< 1.0	1.4	< 1.0	n/t
Vanadium	M	mg/kg	5	33.9	84.9	46.0	86.2	32.8	n/t
Zinc	M	mg/kg	5	134	554	144	1070	94.5	n/t
Anions									
Water Soluble Chloride	M	mg/kg	40	50	60	56	65	55	n/t
Water Soluble Sulphate	M	g/l	0.02	0.18	0.14	0.06	0.13	0.03	n/t
Inorganics									
Elemental Sulphur	M	mg/kg	20	< 20	21	136	< 20	< 20	n/t
Ammoniacal Nitrogen as N	N	mg/kg	0.1	n/t	n/t	n/t	n/t	1.1	n/t
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	n/t
Total Sulphide	N	mg/kg	2	< 2	< 2	< 2	< 2	< 2	n/t
Total Cyanide	M	mg/kg	1	< 1.0	6.0	< 1.0	1360	< 1.0	n/t
Acid Soluble Sulphate (SO4)	U	%	0.02	0.07	0.17	0.06	0.19	0.05	n/t
Water Soluble Boron	N	mg/kg	0.5	0.7	2.9	2.2	2.8	0.8	n/t
Miscellaneous									
Acid Neutralisation Capacity	N	mol/kg	0.1	< 0.1	n/t	n/t	n/t	n/t	< 0.1
Loss On Ignition (450°C)	M	%	0.01	3.40	n/t	n/t	n/t	n/t	4.18
pH	M	pH units	0.1	7.7	7.8	7.5	7.8	7.1	7.7
Total Organic Carbon	N	%	0.01	1.4	16	0.31	13	1.1	3.2
Phenols									
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6	< 6	n/t
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.1	n/t
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	n/t
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.1	n/t
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	n/t
Phenanthrene	M	mg/kg	0.1	0.6	0.2	< 0.1	0.5	0.2	n/t
Anthracene	M	mg/kg	0.1	0.2	< 0.1	< 0.1	0.6	< 0.1	n/t
Fluoranthene	M	mg/kg	0.1	2.5	0.4	0.1	0.9	0.6	n/t
Pyrene	M	mg/kg	0.1	2.4	0.4	0.1	0.8	0.5	n/t
Benzo(a)anthracene	M	mg/kg	0.1	1.5	0.4	< 0.1	0.6	0.3	n/t
Chrysene	M	mg/kg	0.1	1.6	0.8	< 0.1	0.8	0.3	n/t
Benzo (b) fluoranthene	M	mg/kg	0.1	1.9	< 0.1	< 0.1	< 0.1	0.4	n/t
Benzo(k)fluoranthene	M	mg/kg	0.1	1.9	< 0.1	< 0.1	< 0.1	0.3	n/t
Benzo (a) pyrene	M	mg/kg	0.1	1.9	0.4	< 0.1	0.7	0.3	n/t
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	1.3	0.5	0.1	0.4	0.3	n/t
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.2	0.2	< 0.1	< 0.1	< 0.1	n/t
Benzo[g,h,i]perylene	M	mg/kg	0.1	1.3	0.7	< 0.1	0.5	0.3	n/t
Total PAH(16)	M	mg/kg	0.4	17.5	4.2	0.6	6.3	3.5	n/t
Total PAH (Including Coronene)	N	mg/kg	2	18	n/t	n/t	n/t	n/t	< 2

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19149

		ELAB Reference	147240	147241	147242	147243	147244	147245
		Customer Reference						
		Sample ID						
		Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Location	TP205	TP205	TP205	TP205	TP204	TP204
		Sample Depth (m)	0.50	1.50	2.50	2.00	0.20	1.50
		Sampling Date	14/08/2018	14/08/2018	14/08/2018	14/08/2018	14/08/2018	14/08/2018
Determinand	**Codes**	**Units**	**LOD**					
BTEX								
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t
Total BTEX	M	mg/kg	0.01	< 0.01	n/t	n/t	n/t	n/t	< 0.01
TPH CWG								
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C16-C21 Aliphatic	N	mg/kg	1	1.7	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C21-C35 Aliphatic	N	mg/kg	1	11.0	4.0	< 1.0	9.6	< 1.0	n/t
>C35-C40 Aliphatic	N	mg/kg	1	3.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C16-C21 Aromatic	N	mg/kg	1	5.5	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C21-C35 Aromatic	N	mg/kg	1	46.6	9.2	2.0	8.1	3.6	n/t
>C35-C40 Aromatic	N	mg/kg	1	8.8	2.4	< 1.0	< 1.0	< 1.0	n/t
Total (>C5-C40) Ali/Aro	N	mg/kg	1	76.6	15.7	2.0	17.6	3.6	n/t
Total Petroleum Hydrocarbons								
Mineral Oil	U	mg/kg	5	10	n/t	n/t	n/t	n/t	< 5
PCB (ICES 7 congeners)								
PCB 28	M	mg/kg	0.01	n/t	n/t	n/t	n/t	< 0.01	n/t
PCB 52	M	mg/kg	0.01	n/t	n/t	n/t	n/t	< 0.01	n/t
PCB 101	M	mg/kg	0.01	n/t	n/t	n/t	n/t	< 0.01	n/t
PCB 118	M	mg/kg	0.01	n/t	n/t	n/t	n/t	< 0.01	n/t
PCB 153	M	mg/kg	0.01	n/t	n/t	n/t	n/t	< 0.01	n/t
PCB 138	M	mg/kg	0.01	n/t	n/t	n/t	n/t	< 0.01	n/t
PCB 180	M	mg/kg	0.01	n/t	n/t	n/t	n/t	< 0.01	n/t
PCB (Total of 7 Congeners)	M	mg/kg	0.03	< 0.03	n/t	n/t	n/t	< 0.03	< 0.03

ELAB

Results Summary

Report No.: 18-19149

			ELAB Reference	147246	147247	147248	147249	147250	147251
			Customer Reference						
			Sample ID						
			Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Sample Location	TP206	TP206	TP207	TP207	TP208	TP208
			Sample Depth (m)	1.00	1.50	0.50	2.00	1.00	1.50
			Sampling Date	14/08/2018	14/08/2018	14/08/2018	14/08/2018	14/08/2018	14/08/2018
Determinand	**Codes**	**Units**	**LOD**						
Metals									
Arsenic	M	mg/kg	1	28.0	44.8	14.5	11.2	13.9	n/t
Barium	U	mg/kg	10	391	560	115	76.4	155	n/t
Beryllium	U	mg/kg	1	2.1	3.5	1.0	< 1.0	1.1	n/t
Cadmium	M	mg/kg	0.5	1.5	2.6	< 0.5	< 0.5	0.6	n/t
Chromium	M	mg/kg	5	78.6	82.4	31.4	24.5	24.4	n/t
Copper	M	mg/kg	5	202	1250	40.0	18.8	73.2	n/t
Lead	M	mg/kg	5	471	671	62.9	22.5	142	n/t
Mercury	M	mg/kg	0.5	1.7	12.8	0.7	< 0.5	0.7	n/t
Nickel	M	mg/kg	5	54.3	101	22.9	17.4	20.0	n/t
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
Vanadium	M	mg/kg	5	44.6	56.3	43.5	33.5	28.2	n/t
Zinc	M	mg/kg	5	464	1800	135	66.0	220	n/t
Anions									
Water Soluble Chloride	M	mg/kg	40	61	82	46	80	54	n/t
Water Soluble Sulphate	M	g/l	0.02	0.08	0.70	0.09	0.11	0.13	n/t
Inorganics									
Elemental Sulphur	M	mg/kg	20	< 20	36	< 20	< 20	< 20	n/t
Ammoniacal Nitrogen as N	N	mg/kg	0.1	1.2	n/t	1.1	n/t	n/t	n/t
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	n/t
Total Sulphide	N	mg/kg	2	< 2	< 2	< 2	< 2	< 2	n/t
Total Cyanide	M	mg/kg	1	3.6	5.1	< 1.0	< 1.0	4.3	n/t
Acid Soluble Sulphate (SO4)	U	%	0.02	0.09	0.32	0.07	0.07	0.08	n/t
Water Soluble Boron	N	mg/kg	0.5	1.7	2.5	0.8	2.6	0.9	n/t
Miscellaneous									
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	n/t	n/t	n/t	n/t	< 0.1
Loss On Ignition (450°C)	M	%	0.01	n/t	n/t	n/t	n/t	n/t	12.7
pH	M	pH units	0.1	7.9	7.5	7.8	7.7	7.8	7.7
Total Organic Carbon	N	%	0.01	3.4	7.7	1.2	0.49	1.6	4.8
Phenols									
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6	< 6	n/t
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	0.2	< 0.1	0.1	n/t
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	0.4	< 0.1	0.3	n/t
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	0.2	< 0.1	0.8	n/t
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	0.1	< 0.1	0.8	n/t
Phenanthrene	M	mg/kg	0.1	0.2	0.4	1.7	< 0.1	10.6	n/t
Anthracene	M	mg/kg	0.1	< 0.1	0.1	0.7	< 0.1	3.4	n/t
Fluoranthene	M	mg/kg	0.1	0.7	1.4	7.8	< 0.1	24.5	n/t
Pyrene	M	mg/kg	0.1	0.6	1.5	7.3	< 0.1	20.4	n/t
Benzo(a)anthracene	M	mg/kg	0.1	0.4	0.9	4.4	< 0.1	9.5	n/t
Chrysene	M	mg/kg	0.1	0.6	1.1	4.7	< 0.1	10.8	n/t
Benzo (b) fluoranthene	M	mg/kg	0.1	0.6	1.0	6.0	< 0.1	10.3	n/t
Benzo(k)fluoranthene	M	mg/kg	0.1	0.5	0.8	5.8	< 0.1	9.7	n/t
Benzo (a) pyrene	M	mg/kg	0.1	0.7	1.2	6.5	< 0.1	11.4	n/t
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	0.7	0.9	4.7	< 0.1	7.2	n/t
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.1	0.2	0.9	< 0.1	1.2	n/t
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.7	0.8	4.9	< 0.1	7.4	n/t
Total PAH(16)	M	mg/kg	0.4	6.0	10.6	56.3	< 0.4	129	n/t
Total PAH (Including Coronene)	N	mg/kg	2	n/t	n/t	n/t	n/t	n/t	21

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Results Summary

Report No.: 18-19149

			ELAB Reference	147246	147247	147248	147249	147250	147251
			Customer Reference						
			Sample ID						
			Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Sample Location	TP206	TP206	TP207	TP207	TP208	TP208
			Sample Depth (m)	1.00	1.50	0.50	2.00	1.00	1.50
			Sampling Date	14/08/2018	14/08/2018	14/08/2018	14/08/2018	14/08/2018	14/08/2018
Determinand	**Codes**	**Units**	**LOD**						
BTEX									
Benzene	M	ug/kg	10	< 10.0	< 10.0	17.9	< 10.0	< 10.0	n/t
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t
Total BTEX	M	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	< 0.01
TPH CWG									
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C16-C21 Aliphatic	N	mg/kg	1	3.7	3.1	2.5	< 1.0	1.3	n/t
>C21-C35 Aliphatic	N	mg/kg	1	48.6	39.8	14.9	< 1.0	19.2	n/t
>C35-C40 Aliphatic	N	mg/kg	1	7.5	3.2	2.8	< 1.0	< 1.0	n/t
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	n/t
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t
>C16-C21 Aromatic	N	mg/kg	1	3.5	2.9	7.6	< 1.0	4.6	n/t
>C21-C35 Aromatic	N	mg/kg	1	56.0	40.8	97.4	< 1.0	53.2	n/t
>C35-C40 Aromatic	N	mg/kg	1	13.7	4.2	17.5	< 1.0	5.6	n/t
Total (>C5-C40) Ali/Aro	N	mg/kg	1	133	93.9	143	< 1.0	83.9	n/t
Total Petroleum Hydrocarbons									
Mineral Oil	U	mg/kg	5	n/t	n/t	n/t	n/t	n/t	124
PCB (ICES 7 congeners)									
PCB 28	M	mg/kg	0.01	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 52	M	mg/kg	0.01	0.02	n/t	< 0.01	n/t	n/t	n/t
PCB 101	M	mg/kg	0.01	0.02	n/t	< 0.01	n/t	n/t	n/t
PCB 118	M	mg/kg	0.01	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 153	M	mg/kg	0.01	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 138	M	mg/kg	0.01	0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 180	M	mg/kg	0.01	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB (Total of 7 Congeners)	M	mg/kg	0.03	0.07	n/t	< 0.03	n/t	n/t	0.33

Results Summary

Report No.: 18-19149

			ELAB Reference	147252	147253	147254	147255	147256	147257
			Customer Reference						
			Sample ID						
			Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Sample Location	TP201	TP209	BH102	BH102	BH104	TP202
			Sample Depth (m)	1.80	1.50	1.50 - 1.95	1.00	0.50	1.00
			Sampling Date	14/08/2018	14/08/2018	13/08/2018	13/08/2018	14/08/2018	13/08/2018
Determinand	**Codes**	**Units**	**LOD**						
Metals									
Arsenic	M	mg/kg	1	42.9	70.6	18.0	32.7	16.9	22.3
Barium	U	mg/kg	10	639	930	212	621	151	196
Beryllium	U	mg/kg	1	6.8	11.2	1.8	3.3	1.2	1.6
Cadmium	M	mg/kg	0.5	0.9	3.5	< 0.5	1.6	< 0.5	< 0.5
Chromium	M	mg/kg	5	47.8	59.5	36.5	60.8	29.0	35.0
Copper	M	mg/kg	5	136	444	59.2	213	41.0	44.8
Lead	M	mg/kg	5	623	669	96.8	2840	153	125
Mercury	M	mg/kg	0.5	0.7	1.8	< 0.5	1.0	< 0.5	< 0.5
Nickel	M	mg/kg	5	66.2	126	31.3	45.2	22.6	30.8
Selenium	M	mg/kg	1	1.2	1.8	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	M	mg/kg	5	73.2	111	51.3	56.7	41.8	55.5
Zinc	M	mg/kg	5	712	798	161	560	160	146
Anions									
Water Soluble Chloride	M	mg/kg	40	51	49	82	69	76	< 40
Water Soluble Sulphate	M	g/l	0.02	0.12	0.39	0.67	1.42	0.09	0.02
Inorganics									
Elemental Sulphur	M	mg/kg	20	< 20	48	71	63	< 20	< 20
Ammoniacal Nitrogen as N	N	mg/kg	0.1	n/t	n/t	117	n/t	n/t	5.6
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	< 2	< 2	< 2	< 2	< 2
Total Cyanide	M	mg/kg	1	1.7	11.3	< 1.0	3.9	< 1.0	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.14	0.26	0.21	0.54	0.09	0.05
Water Soluble Boron	N	mg/kg	0.5	2.2	3.0	3.3	2.6	1.1	0.9
Miscellaneous									
Acid Neutralisation Capacity	N	mol/kg	0.1	< 0.1	< 0.1	n/t	n/t	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	10.4	15.0	n/t	n/t	n/t	n/t
pH	M	pH units	0.1	7.9	7.7	8.0	8.2	7.5	8.1
Total Organic Carbon	N	%	0.01	9.7	15	1.2	6.1	2.6	0.73
Phenols									
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6	< 6	< 6
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	0.7	0.2	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	0.1	< 0.1	0.3	0.1	0.3
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	0.3	< 0.1	0.5
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	0.4	< 0.1	0.5
Phenanthrene	M	mg/kg	0.1	< 0.1	0.8	0.2	5.6	0.3	5.1
Anthracene	M	mg/kg	0.1	< 0.1	0.2	< 0.1	1.9	0.1	1.3
Fluoranthene	M	mg/kg	0.1	0.1	2.7	0.3	11.3	1.2	11.9
Pyrene	M	mg/kg	0.1	0.1	2.6	0.3	9.4	1.1	10.7
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	1.3	0.2	5.8	0.7	5.6
Chrysene	M	mg/kg	0.1	0.1	1.5	0.2	6.3	0.9	6.6
Benzo (b) fluoranthene	M	mg/kg	0.1	0.4	2.1	0.4	5.9	1.0	6.8
Benzo(k)fluoranthene	M	mg/kg	0.1	0.2	1.7	0.2	5.3	1.0	6.6
Benzo (a) pyrene	M	mg/kg	0.1	0.2	2.1	0.2	6.4	1.0	7.2
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	0.2	1.5	0.5	4.2	0.8	4.8
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	0.2	0.1	0.8	0.2	1.0
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.2	1.5	0.1	3.7	0.9	4.7
Total PAH(16)	M	mg/kg	0.4	1.8	18.5	3.6	67.6	9.3	73.6
Total PAH (Including Coronene)	N	mg/kg	2	2	19	n/t	n/t	n/t	n/t

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19149

				ELAB Reference	147252	147253	147254	147255	147256	147257
				Customer Reference						
				Sample ID						
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Sample Location	TP201	TP209	BH102	BH102	BH104	TP202
				Sample Depth (m)	1.80	1.50	1.50 - 1.95	1.00	0.50	1.00
				Sampling Date	14/08/2018	14/08/2018	13/08/2018	13/08/2018	14/08/2018	13/08/2018
Determinand	**Codes**	**Units**	**LOD**							
BTEX										
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	11.1	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	10.3	< 10.0	< 10.0	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	< 0.01	0.02	n/t	n/t	n/t	n/t
TPH CWG										
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	4.6	< 1.0	2.7
>C21-C35 Aliphatic	N	mg/kg	1	2.8	10.7	11.2	209	12.1	13.3
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	13.9	4.7	1.8
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	g < 1.0	g < 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	4.9	2.1	10.4
>C21-C35 Aromatic	N	mg/kg	1	2.6	9.3	3.0	140	38.7	81.2
>C35-C40 Aromatic	N	mg/kg	1	< 1.0	1.8	< 1.0	16.9	8.7	11.4
Total (>C5-C40) Ali/Aro	N	mg/kg	1	5.4	21.8	14.2	389	66.4	121
Total Petroleum Hydrocarbons										
Mineral Oil	U	mg/kg	5	< 5	18	n/t	n/t	n/t	n/t
PCB (ICES 7 congeners)										
PCB 28	M	mg/kg	0.01	n/t	n/t	< 0.01	n/t	n/t	< 0.01
PCB 52	M	mg/kg	0.01	n/t	n/t	< 0.01	n/t	n/t	< 0.01
PCB 101	M	mg/kg	0.01	n/t	n/t	< 0.01	n/t	n/t	< 0.01
PCB 118	M	mg/kg	0.01	n/t	n/t	< 0.01	n/t	n/t	< 0.01
PCB 153	M	mg/kg	0.01	n/t	n/t	< 0.01	n/t	n/t	< 0.01
PCB 138	M	mg/kg	0.01	n/t	n/t	< 0.01	n/t	n/t	< 0.01
PCB 180	M	mg/kg	0.01	n/t	n/t	< 0.01	n/t	n/t	< 0.01
PCB (Total of 7 Congeners)	M	mg/kg	0.03	< 0.03	0.06	< 0.03	n/t	n/t	< 0.03

Results Summary

Report No.: 18-19149

			ELAB Reference	147258	147259	147260	147261
			Customer Reference				
			Sample ID				
			Sample Type	SOIL	SOIL	SOIL	SOIL
			Sample Location	TP203	TP203	BH101	BH107
			Sample Depth (m)	0.50	1.50	0.80	0.50
			Sampling Date	13/08/2018	13/08/2018	15/08/2018	16/08/2018
Determinand	**Codes**	**Units**	**LOD**				
Metals							
Arsenic	M	mg/kg	1	10.8	16.0	14.4	16.0
Barium	U	mg/kg	10	79.2	154	117	207
Beryllium	U	mg/kg	1	< 1.0	< 1.0	< 1.0	1.0
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	0.7
Chromium	M	mg/kg	5	24.5	26.5	25.5	28.2
Copper	M	mg/kg	5	18.8	26.4	24.7	83.1
Lead	M	mg/kg	5	35.5	163	76.4	176
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	1.5
Nickel	M	mg/kg	5	16.4	16.4	18.9	31.8
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	M	mg/kg	5	33.6	40.9	37.2	38.5
Zinc	M	mg/kg	5	62.2	108	126	309
Anions							
Water Soluble Chloride	M	mg/kg	40	< 40	50	52	42
Water Soluble Sulphate	M	g/l	0.02	0.05	0.06	0.08	0.03
Inorganics							
Elemental Sulphur	M	mg/kg	20	47	< 20	< 20	< 20
Ammoniacal Nitrogen as N	N	mg/kg	0.1	n/t	n/t	1.2	2.3
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	< 2	< 2	< 2
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.06	0.11	0.07	0.06
Water Soluble Boron	N	mg/kg	0.5	2.0	0.7	1.1	0.8
Miscellaneous							
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	< 0.1	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	1.46	n/t	n/t
pH	M	pH units	0.1	7.7	8.9	7.6	7.9
Total Organic Carbon	N	%	0.01	0.67	0.34	1.8	2.1
Phenols							
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	0.2
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	0.1
Phenanthrene	M	mg/kg	0.1	0.1	0.3	0.3	1.6
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	0.1	0.4
Fluoranthene	M	mg/kg	0.1	0.2	0.7	1.1	4.5
Pyrene	M	mg/kg	0.1	0.2	0.7	1.0	3.9
Benzo(a)anthracene	M	mg/kg	0.1	0.1	0.4	0.6	2.3
Chrysene	M	mg/kg	0.1	0.1	0.4	0.7	2.8
Benzo (b) fluoranthene	M	mg/kg	0.1	0.3	0.6	0.8	2.8
Benzo(k)fluoranthene	M	mg/kg	0.1	0.2	0.4	0.7	2.4
Benzo (a) pyrene	M	mg/kg	0.1	0.2	0.5	0.7	2.8
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	0.3	0.5	0.6	2.0
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	0.1	0.1	0.4
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.1	0.4	0.5	2.2
Total PAH(16)	M	mg/kg	0.4	2.0	5.0	7.4	28.7
Total PAH (Including Coronene)	N	mg/kg	2	n/t	5	n/t	n/t

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19149

			ELAB Reference	147258	147259	147260	147261
			Customer Reference				
			Sample ID				
			Sample Type	SOIL	SOIL	SOIL	SOIL
			Sample Location	TP203	TP203	BH101	BH107
			Sample Depth (m)	0.50	1.50	0.80	0.50
			Sampling Date	13/08/2018	13/08/2018	15/08/2018	16/08/2018
Determinand	**Codes**	**Units**	**LOD**				
BTEX							
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t
TPH CWG							
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	1.2
>C21-C35 Aliphatic	N	mg/kg	1	2.0	10.0	3.7	17.4
>C35-C40 Aliphatic	N	mg/kg	1	1.8	2.5	1.6	4.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0	1.4	< 1.0	5.6
>C21-C35 Aromatic	N	mg/kg	1	5.1	26.5	11.1	56.8
>C35-C40 Aromatic	N	mg/kg	1	2.5	9.5	3.6	12.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	11.4	50.0	19.9	96.9
Total Petroleum Hydrocarbons							
Mineral Oil	U	mg/kg	5	n/t	14	n/t	n/t
PCB (ICES 7 congeners)							
PCB 28	M	mg/kg	0.01	n/t	n/t	< 0.01	< 0.01
PCB 52	M	mg/kg	0.01	n/t	n/t	< 0.01	< 0.01
PCB 101	M	mg/kg	0.01	n/t	n/t	< 0.01	< 0.01
PCB 118	M	mg/kg	0.01	n/t	n/t	< 0.01	< 0.01
PCB 153	M	mg/kg	0.01	n/t	n/t	< 0.01	< 0.01
PCB 138	M	mg/kg	0.01	n/t	n/t	< 0.01	< 0.01
PCB 180	M	mg/kg	0.01	n/t	n/t	< 0.01	< 0.01
PCB (Total of 7 Congeners)	M	mg/kg	0.03	n/t	< 0.03	< 0.03	< 0.03

ELAB

Results Summary

Report No.: 18-19149

ELAB Reference				147244	147246	147248	147254	147257	147260	147261
Customer Reference										
Sample ID										
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP204	TP206	TP207	BH102	TP202	BH101	BH107
Sample Depth (m)				0.20	1.00	0.50	1.50 - 1.95	1.00	0.80	0.50
Sampling Date				14/08/2018	14/08/2018	14/08/2018	13/08/2018	13/08/2018	15/08/2018	16/08/2018
Determinand	**Codes**	**Units**	**LOD**							
VOC										
Heptane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Octane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Nonane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Benzene	M	ug/kg	10	< 10.0	< 10.0	17.9	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
m+p-xylene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
o-xylene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
cis-1,2-dichloroethene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1-Dichloroethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Chloroform	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Tetrachloromethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1,1-Trichloroethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Trichloroethylene	M	ug/kg	10	< 10.0	12.2	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Tetrachloroethylene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1,1,2-Tetrachloroethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1,2,2-Tetrachloroetha	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Chlorobenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Bromobenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Bromodichloromethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Methylethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Trans - 1-2 -dichloroethylene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,2-Dichloropropane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Bromochloromethane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dichloroethane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dibromomethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dichloropropane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
cis-1,3-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,3-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1,2-Trichloroethane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dibromochloromethane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,3-Dichloropropane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-dibromoethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Styrene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Propylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Chlorotoluene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2,4-Trimethylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorotoluene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
t-butylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,3,5-Trimethylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1-methylpropylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
o-cymene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,3-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Butylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Hexachlorobutadiene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1-2-3 - Trichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Naphthalene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1-2-4 - Trichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,4-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Bromoform	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

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Results Summary

Report No.: 18-19149

ELAB Reference				147244	147246	147248	147254	147257	147260
Customer Reference									
Sample ID									
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP204	TP206	TP207	BH102	TP202	BH101
Sample Depth (m)				0.20	1.00	0.50	1.50 - 1.95	1.00	0.80
Sampling Date				14/08/2018	14/08/2018	14/08/2018	13/08/2018	13/08/2018	15/08/2018
Determinand	**Codes**	**Units**	**LOD**						
SVOC									
Phenol	N	mg/kg	0.01	< 0.01	0.01	0.04	< 0.01	0.01	< 0.01
Aniline	N	mg/kg	0.01	< 0.01	1.29	0.03	< 0.01	< 0.01	< 0.01
Bis(2-chloroethyl)ether	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Chlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,4-Dichlorobenzene	N	mg/kg	0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzyl Alcohol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Methylphenol	N	mg/kg	0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01
Bis(2-chloroisopropyl)ether	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
3 and 4-methylphenol	N	mg/kg	0.01	< 0.01	0.05	0.05	< 0.01	0.02	0.01
N-Nitrosodi-n-propylamine	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachloroethane	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Nitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isophorone	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Nitrophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dimethylphenol	N	mg/kg	0.01	< 0.01	0.01	0.03	< 0.01	< 0.01	< 0.01
Bis(2-chloroethoxy)methane	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3,5-Trichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	N	mg/kg	0.01	0.01	0.07	0.75	0.01	0.04	0.03
3-Chloroaniline	N	mg/kg	0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachloro-1,3-butadiene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
4-Chloro-3-methylphenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Methylnaphthalene	N	mg/kg	0.01	< 0.01	0.05	0.35	< 0.01	0.02	0.02
1-Methylnaphthalene	N	mg/kg	0.01	< 0.01	0.05	1.48	< 0.01	0.02	0.02
Hexachlorocyclopentadiene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4,6-Trichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4,5-Trichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-Chloronaphthalene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,4-Dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-3-dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-6-dinitrotoluene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	N	mg/kg	0.01	0.03	0.07	2.63	0.03	0.30	0.15
1,2-Dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
3-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	N	mg/kg	0.01	< 0.01	0.01	5.35	< 0.01	0.07	0.02
4-nitrophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenzofuran	N	mg/kg	0.01	< 0.01	0.02	4.29	< 0.01	0.02	0.01
2,3,5,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,3,4,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diethyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-chloro-4-phenoxybenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	N	mg/kg	0.01	< 0.01	0.02	6.95	0.01	0.07	0.02
4-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dinitro-o-cresol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diphenylamine	N	mg/kg	0.01	< 0.01	< 0.01	0.34	< 0.01	< 0.01	< 0.01
Azobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-bromo-4-phenoxybenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pentachlorophenol	N	mg/kg	0.01	< 0.01	0.03	0.04	< 0.01	< 0.01	< 0.01

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Results Summary

Report No.: 18-19149

ELAB Reference				147244	147246	147248	147254	147257	147260
Customer Reference									
Sample ID									
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP204	TP206	TP207	BH102	TP202	BH101
Sample Depth (m)				0.20	1.00	0.50	1.50 - 1.95	1.00	0.80
Sampling Date				14/08/2018	14/08/2018	14/08/2018	13/08/2018	13/08/2018	15/08/2018
Determinand	**Codes**	**Units**	**LOD**						
SVOC									
Phenanthrene	N	mg/kg	0.01	0.10	0.20	84.8	0.09	0.98	0.26
Anthracene	N	mg/kg	0.01	0.03	0.07	21.7	0.03	0.43	0.13
Carbazole	N	mg/kg	0.01	< 0.01	0.02	3.79	0.01	0.06	0.02
Dibutyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	N	mg/kg	0.01	0.30	0.69	113	0.20	5.88	1.34
Pyrene	N	mg/kg	0.01	0.27	0.68	94.9	0.18	6.14	1.22
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Bis-2-ethylhexyladipate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	N	mg/kg	0.01	0.11	0.47	40.2	0.09	3.17	0.86
Chrysene	N	mg/kg	0.01	0.21	0.62	39.9	0.11	3.56	0.98
Bis(2-ethylhexyl)phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	N	mg/kg	0.01	0.12	0.61	37.5	0.13	3.86	0.71
Benzo(k)fluoranthene	N	mg/kg	0.01	0.17	0.69	29.6	0.11	3.74	0.97
Benzo(a)pyrene	N	mg/kg	0.01	0.14	0.80	40.2	0.12	4.62	1.09
Indeno(1,2,3-cd)pyrene	N	mg/kg	0.01	0.08	0.53	22.9	0.07	2.53	0.61
Dibenz(ah)anthracene	N	mg/kg	0.01	0.03	0.21	9.46	0.03	1.04	0.28
Benzo[g,h,i]perylene	N	mg/kg	0.01	0.11	0.76	25.7	0.09	2.89	0.70

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Results Summary

Report No.: 18-19149

ELAB Reference	147261
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	BH107
Sample Depth (m)	0.50
Sampling Date	16/08/2018

Determinand	Codes	Units	LOD	
SVOC				
Phenol	N	mg/kg	0.01	0.02
Aniline	N	mg/kg	0.01	0.04
Bis(2-chloroethyl)ether	N	mg/kg	0.01	< 0.01
2-Chlorophenol	N	mg/kg	0.01	< 0.01
1,3-Dichlorobenzene	N	mg/kg	0.01	< 0.01
1,4-Dichlorobenzene	N	mg/kg	0.01	0.01
Benzyl Alcohol	N	mg/kg	0.01	< 0.01
1,2-Dichlorobenzene	N	mg/kg	0.01	< 0.01
2-Methylphenol	N	mg/kg	0.01	< 0.01
Bis(2-chloroisopropyl)ether	N	mg/kg	0.01	< 0.01
3 and 4-methylphenol	N	mg/kg	0.01	0.02
N-Nitrosodi-n-propylamine	N	mg/kg	0.01	< 0.01
Hexachloroethane	N	mg/kg	0.01	< 0.01
Nitrobenzene	N	mg/kg	0.01	< 0.01
Isophorone	N	mg/kg	0.01	< 0.01
2-Nitrophenol	N	mg/kg	0.01	< 0.01
2,4-Dimethylphenol	N	mg/kg	0.01	0.01
Bis(2-chloroethoxy)methane	N	mg/kg	0.01	< 0.01
2,4-Dichlorophenol	N	mg/kg	0.01	< 0.01
1,3,5-Trichlorobenzene	N	mg/kg	0.01	< 0.01
Naphthalene	N	mg/kg	0.01	0.06
3-Chloroaniline	N	mg/kg	0.01	< 0.01
Hexachloro-1,3-butadiene	N	mg/kg	0.01	< 0.01
4-Chloro-3-methylphenol	N	mg/kg	0.01	< 0.01
2-Methylnaphthalene	N	mg/kg	0.01	0.03
1-Methylnaphthalene	N	mg/kg	0.01	0.03
Hexachlorocyclopentadiene	N	mg/kg	0.01	< 0.01
2,4,6-Trichlorophenol	N	mg/kg	0.01	< 0.01
2,4,5-Trichlorophenol	N	mg/kg	0.01	< 0.01
1-Chloronaphthalene	N	mg/kg	0.01	< 0.01
2-Nitroaniline	N	mg/kg	0.01	< 0.01
1,4-Dinitrobenzene	N	mg/kg	0.01	< 0.01
Dimethyl phthalate	N	mg/kg	0.01	< 0.01
1-3-dinitrobenzene	N	mg/kg	0.01	< 0.01
2-6-dinitrotoluene	N	mg/kg	0.01	< 0.01
Acenaphthylene	N	mg/kg	0.01	0.20
1,2-Dinitrobenzene	N	mg/kg	0.01	< 0.01
3-Nitroaniline	N	mg/kg	0.01	< 0.01
Acenaphthene	N	mg/kg	0.01	0.06
4-nitrophenol	N	mg/kg	0.01	< 0.01
Dibenzofuran	N	mg/kg	0.01	0.05
2,3,5,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01
2,3,4,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01
Diethyl phthalate	N	mg/kg	0.01	< 0.01
1-chloro-4-phenoxybenzene	N	mg/kg	0.01	< 0.01
Fluorene	N	mg/kg	0.01	0.08
4-Nitroaniline	N	mg/kg	0.01	< 0.01
Dinitro-o-cresol	N	mg/kg	0.01	< 0.01
Diphenylamine	N	mg/kg	0.01	< 0.01
Azobenzene	N	mg/kg	0.01	< 0.01
1-bromo-4-phenoxybenzene	N	mg/kg	0.01	< 0.01
Hexachlorobenzene	N	mg/kg	0.01	< 0.01
Pentachlorophenol	N	mg/kg	0.01	0.01

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Results Summary

Report No.: 18-19149

ELAB Reference	147261
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	BH107
Sample Depth (m)	0.50
Sampling Date	16/08/2018

Determinand	Codes	Units	LOD	
SVOC				
Phenanthrene	N	mg/kg	0.01	1.03
Anthracene	N	mg/kg	0.01	0.27
Carbazole	N	mg/kg	0.01	0.06
Dibutyl phthalate	N	mg/kg	0.01	< 0.01
Fluoranthene	N	mg/kg	0.01	2.85
Pyrene	N	mg/kg	0.01	2.51
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01
Bis-2-ethylhexyladipate	N	mg/kg	0.01	< 0.01
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01
Benzo(a)anthracene	N	mg/kg	0.01	1.26
Chrysene	N	mg/kg	0.01	1.52
Bis(2-ethylhexyl)phthalate	N	mg/kg	0.01	< 0.01
Benzo(b)fluoranthene	N	mg/kg	0.01	1.38
Benzo(k)fluoranthene	N	mg/kg	0.01	1.33
Benzo(a)pyrene	N	mg/kg	0.01	1.73
Indeno(1,2,3-cd)pyrene	N	mg/kg	0.01	1.09
Dibenz(ah)anthracene	N	mg/kg	0.01	0.42
Benzo[g,h,i]perylene	N	mg/kg	0.01	1.43

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Results Summary

Report No.: 18-19149

				ELAB Reference	147243	147247	147255
				Customer Reference			
				Sample ID			
				Sample Type	SOIL	SOIL	SOIL
				Sample Location	TP205	TP206	BH102
				Sample Depth (m)	2.00	1.50	1.00
				Sampling Date	14/08/2018	14/08/2018	13/08/2018
Determinand	**Codes**	**Units**	**LOD**			
Metals						
Arsenic	N	ug/l	5	< 5	< 5	< 5
Barium	N	ug/l	5	132	48	59
Beryllium	N	ug/l	5	< 5	< 5	< 5
Boron	N	ug/l	5	86	57	77
Cadmium	N	ug/l	1	< 1	< 1	< 1
Chromium	N	ug/l	5	< 5	< 5	< 5
Copper	N	ug/l	5	< 5	6	< 5
Lead	N	ug/l	5	< 5	< 5	< 5
Mercury	N	ug/l	0.1	< 0.1	0.2	< 0.1
Nickel	N	ug/l	5	< 5	7	< 5
Selenium	N	ug/l	5	< 5	< 5	< 5
Vanadium	N	ug/l	5	< 5	< 5	< 5
Zinc	N	ug/l	5	< 5	8	7
Anions						
Chloride	N	mg/l	1	< 1	1	2
Sulphate	N	mg/l	1	10	21	78
Inorganics						
Hexavalent chromium	N	ug/l	100	< 100	< 100	< 100
Elemental Sulphur	N	mg/l	0.1	< 0.1	< 0.1	< 0.1
Sulphide	N	mg/l	0.1	< 0.1	< 0.1	< 0.1
Total Cyanide	N	ug/l	5	< 5	< 5	< 5
Miscellaneous						
Dissolved organic carbon	N	mg/l	1.5	4.2	8.4	7.4
pH	N	pH units	0.1	8.0	7.9	7.8
Phenols						
Total Phenols	N	ug/l	6	< 6	< 6	< 6
Polyaromatic hydrocarbons						
Naphthalene Leachate GCMS	N	ug/l	0.01	0.06	0.09	0.08
Acenaphthylene Leachate GCMS	N	ug/l	0.01	< 0.01	< 0.01	0.02
Acenaphthene Leachate GCMS	N	ug/l	0.01	0.02	0.03	0.05
Fluorene Leachate GCMS	N	ug/l	0.01	0.02	0.02	0.03
Phenanthrene Leachate GCMS	N	ug/l	0.01	0.06	0.09	0.11
Anthracene Leachate GCMS	N	ug/l	0.01	0.01	0.01	0.02
Fluoranthene Leachate GCMS	N	ug/l	0.01	0.01	0.02	0.06
Pyrene Leachate GCMS	N	ug/l	0.01	< 0.01	0.01	0.05
Benzo (a) anthracene Leachate GCMS	N	ug/l	0.01	< 0.01	< 0.01	0.04
Chrysene Leachate GCMS	N	ug/l	0.01	< 0.01	0.01	0.04
Benzo (b) fluoranthene Leachate GCMS	N	ug/l	0.01	0.01	0.02	0.04
Benzo (k) fluoranthene Leachate GCMS	N	ug/l	0.01	< 0.01	0.01	0.04
Benzo (a) pyrene Leachate GCMS	N	ug/l	0.01	< 0.01	0.01	0.04
Indeno (1,2,3-cd) pyrene Leachate GCMS	N	ug/l	0.01	< 0.01	0.01	0.03
Dibenzo(a,h)anthracene Leachate GCMS	N	ug/l	0.01	< 0.01	< 0.01	0.01
Benzo(ghi)perylene Leachate GCMS	N	ug/l	0.01	0.01	0.02	0.04
Total PAH(16) Leachate GCMS	N	ug/l	0.01	0.27	0.39	0.71

Results Summary

Report No.: 18-19149

				ELAB Reference	147243	147247	147255
				Customer Reference			
				Sample ID			
				Sample Type	SOIL	SOIL	SOIL
				Sample Location	TP205	TP206	BH102
				Sample Depth (m)	2.00	1.50	1.00
				Sampling Date	14/08/2018	14/08/2018	13/08/2018
Determinand	**Codes**	**Units**	**LOD**			
BTEX						
Benzene	N	ug/l	1	< 1.00	< 1.00	< 1.00
Toluene	N	ug/l	1	< 1.00	< 1.00	< 1.00
Ethylbenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00
Xylenes	N	ug/l	1	< 1.00	< 1.00	< 1.00
TPH CWG						
>C5-C6 Aliphatic in Leachate	N	ug/l	1	< 1.0	< 1.0	< 1.0
>C6-C8 Aliphatic in Leachate	N	ug/l	1	< 1.0	< 1.0	< 1.0
>C8-C10 Aliphatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C10-C12 Aliphatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C12-C16 Aliphatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C16-C21 Aliphatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C21-C35 Aliphatic Leachate	N	ug/l	5	< 5.0	7.1	5.4
>C35-C40 Aliphatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
Total (>C5-C40) Aliphatic Leachate	N	ug/l	5	< 5.0	7.1	5.4
>C5-C7 Aromatic in Leachate	N	ug/l	1	< 1.0	< 1.0	< 1.0
>C7-C8 Aromatic in Leachate	N	ug/l	1	< 1.0	< 1.0	< 1.0
>C8-C10 Aromatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C10-C12 Aromatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C12-C16 Aromatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C16-C21 Aromatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C21-C35 Aromatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C35-C40 Aromatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
Total (>C5-C40) Aromatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
Total (>C5-C40) Ali/Aro Leachate	N	ug/l	5	< 5.0	7.1	5.4

Tests marked N are not UKAS accredited.

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Results Summary

Report No.: 18-19149

WAC Analysis

Elab Ref:	147259					Landfill Waste Acceptance Criteria Limits		
Sample Date:	13/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	TP203							
Depth (m)	1.5							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		0.34	3	5	6
Loss on Ignition		M	%		1.5	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		14	500	--	--
Total (of 17) PAHs		N	mg/kg		5.0	100	--	--
pH		M			8.9	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.005		0.05	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	0.008		0.08	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.069		0.69	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	4		37.80	1000	20000	50000
Total Dissolved Solids		N	< 10		< 100	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	11.600		116.00	500	800	1000
Leach Test Information								
pH		N	7.7					
Conductivity (uS/cm)		N	122					
Dry mass of test portion (g)			102.000					
Dry Matter (%)			90					
Moisture (%)			12					
Eluent Volume (ml)			980					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

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Results Summary

Report No.: 18-19149

WAC Analysis

Elab Ref:	147253					Landfill Waste Acceptance Criteria Limits		
Sample Date:	14/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	TP209							
Depth (m)	1.5							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		15.00	3	5	6
Loss on Ignition		M	%		15.0	--	--	10
Total BTEX		M	mg/kg		0.02	6	--	--
Total PCBs (7 congeners)		M	mg/kg		0.06	1	--	--
TPH Total WAC		M	mg/kg		18	500	--	--
Total (of 17) PAHs		N	mg/kg		19.0	100	--	--
pH		M			7.7	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.077		0.77	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	0.007		0.07	0.5	10	30
Nickel		N	0.002		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.009		0.09	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	95		948.00	1000	20000	50000
Total Dissolved Solids		N	100		1000.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	7.280		73.00	500	800	1000
Leach Test Information								
pH		N	7.9					
Conductivity (uS/cm)		N	404					
Dry mass of test portion (g)			101.000					
Dry Matter (%)			63					
Moisture (%)			58					
Eluent Volume (ml)			928					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

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Results Summary

Report No.: 18-19149

WAC Analysis

Elab Ref:	147252					Landfill Waste Acceptance Criteria Limits		
Sample Date:	14/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	TP201							
Depth (m)	1.8							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		9.70	3	5	6
Loss on Ignition		M	%		10.4	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		2.0	100	--	--
pH		M			7.9	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.076		0.76	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	0.015		0.15	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.009		0.09	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	29		286.00	1000	20000	50000
Total Dissolved Solids		N	40		400.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	8.830		88.00	500	800	1000
Leach Test Information								
pH		N	7.9					
Conductivity (uS/cm)		N	244					
Dry mass of test portion (g)			102.000					
Dry Matter (%)			64					
Moisture (%)			55					
Eluent Volume (ml)			940					

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Results Summary

Report No.: 18-19149

WAC Analysis

Elab Ref:	147251					Landfill Waste Acceptance Criteria Limits		
Sample Date:	14/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	TP208							
Depth (m)	1.5							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		4.60	3	5	6
Loss on Ignition		M	%		12.7	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		0.33	1	--	--
TPH Total WAC		M	mg/kg		124	500	--	--
Total (of 17) PAHs		N	mg/kg		21.0	100	--	--
pH		M			7.7	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.050		0.50	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	0.007		0.07	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	0.009		0.09	0.5	10	30
Nickel		N	0.002		< 0.05	0.4	10	40
Lead		N	0.011		0.11	0.5	10	50
Antimony		N	0.036		0.36	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.026		0.26	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	63		627.00	1000	20000	50000
Total Dissolved Solids		N	70		700.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	15.200		152.00	500	800	1000

Leach Test Information

pH		N	7.8					
Conductivity (uS/cm)		N	298					
Dry mass of test portion (g)			101.000					
Dry Matter (%)			70					
Moisture (%)			42					
Eluent Volume (ml)			939					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

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Results Summary

Report No.: 18-19149

WAC Analysis

Elab Ref:	147245					Landfill Waste Acceptance Criteria Limits		
Sample Date:	14/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	TP204							
Depth (m)	1.5							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		3.20	3	5	6
Loss on Ignition		M	%		4.2	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		< 2	100	--	--
pH		M			7.7	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.006		0.06	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.005		0.05	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	8		82.90	1000	20000	50000
Total Dissolved Solids		N	< 10		< 100	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	12.700		127.00	500	800	1000
Leach Test Information								
pH		N	7.0					
Conductivity (uS/cm)		N	76					
Dry mass of test portion (g)			103.000					
Dry Matter (%)			83					
Moisture (%)			20					
Eluent Volume (ml)			977					

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Results Summary

Report No.: 18-19149

WAC Analysis

Elab Ref:	147240					Landfill Waste Acceptance Criteria Limits		
Sample Date:	14/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	TP205							
Depth (m)	0.5							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		1.40	3	5	6
Loss on Ignition		M	%		3.4	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		10	500	--	--
Total (of 17) PAHs		N	mg/kg		18.0	100	--	--
pH		M			7.7	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.008		0.08	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.009		0.09	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	2		17.40	1000	20000	50000
Total Dissolved Solids		N	< 10		< 100	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	14.300		143.00	500	800	1000
Leach Test Information								
pH		N	7.4					
Conductivity (uS/cm)		N	123					
Dry mass of test portion (g)			102.000					
Dry Matter (%)			90					
Moisture (%)			11					
Eluent Volume (ml)			980					

Results are expressed on a dry weight basis, after correction for moisture content where applicable
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Results Summary

Report No.: 18-19149

Asbestos Results

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

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
147240	0.50	TP205	Brown sandy soil, stones, clinker, chalk, organics	No asbestos detected	n/t	n/t	n/t	n/t
147241	1.50	TP205	Brown sandy soil/ash, clinker, stones	No asbestos detected	n/t	n/t	n/t	n/t
147242	2.50	TP205	Brown sandy soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
147243	2.00	TP205	Brown sandy soil/ash, clinker, stones	No asbestos detected	n/t	n/t	n/t	n/t
147244	0.20	TP204	Brown sandy soil, stones, organics	No asbestos detected	n/t	n/t	n/t	n/t
147246	1.00	TP206	Brown sandy soil/ash, clinker, stones, glass, bone, paper	No asbestos detected	n/t	n/t	n/t	n/t
147247	1.50	TP206	Brown sandy soil/ash, stones, clinker, concrete, glass, wood, foil	No asbestos detected	n/t	n/t	n/t	n/t
147248	0.50	TP207	Brown sandy soil, stones, concrete, clinker, glass	No asbestos detected	n/t	n/t	n/t	n/t
147249	2.00	TP207	Brown sandy soil, stones, brick	No asbestos detected	n/t	n/t	n/t	n/t
147250	1.00	TP208	Brown sand, stones, concrete, clinker, glass	No asbestos detected	n/t	n/t	n/t	n/t
147252	1.80	TP201	Brown sandy soil/ash, clinker, stones, paper	No asbestos detected	n/t	n/t	n/t	n/t
147253	1.50	TP209	Brown sandy soil/ash, clinker, stones, ceramics, glass	No asbestos detected	n/t	n/t	n/t	n/t
147254	1.50 - 1.95	BH102	Brown sandy soil, stones, concrete, clinker, glass, organics	No asbestos detected	n/t	n/t	n/t	n/t
147255	1.00	BH102	Brown sandy soil, stones, concrete, clinker, glass, metal, organics	Chrysotile (asbestos cement)	n/t	n/t	n/t	n/t
147256	0.50	BH104	Brown sandy soil, stones, brick, clinker, chalk, slate, organics	No asbestos detected	n/t	n/t	n/t	n/t
147257	1.00	TP202	Brown sandy soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
147258	0.50	TP203	Brown sandy soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
147259	1.50	TP203	Brown sand, stones, concrete, clinker, ceramics, bitumin	No asbestos detected	n/t	n/t	n/t	n/t
147260	0.80	BH101	Brown sandy soil, stones, concrete, brick, clinker, glass, organics	No asbestos detected	n/t	n/t	n/t	n/t
147261	0.50	BH107	Brown sandy soil, stones, clinker, glass, organics	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 18-19149

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Aliphatic hydrocarbons in leachate	N		23/08/2018		GC-FID
Aliphatic/Aromatic hydrocarbons in leach	N		24/08/2018		GC-FID
Ammonia in soil	N	As submitted sample	23/08/2018		
Aromatic hydrocarbons in leachate	N		23/08/2018		GC-FID
Carbon in leachates	N		24/08/2018		IR
Cyanide (L) in solids in leachates	N		23/08/2018		Colorimetry
Elemental Sulphur by HPLC in leachates	N	On prepared leachate	23/08/2018		HPLC
Phenols in leachates	N		23/08/2018		HPLC
Sulphide in solids in leachates	N		28/08/2018		Colorimetry
pH of leachates	N		23/08/2018		Electromeric
Metals by ICP in leachates	N		23/08/2018	101	ICPMS
Sulphide	N	As submitted sample	22/08/2018	109	Colorimetry
Hexavalent chromium	N	As submitted sample	22/08/2018	110	Colorimetry
Acid Soluble Sulphate	U	Air dried sample	23/08/2018	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	22/08/2018	118	ICPMS
Phenols in solids	N	As submitted sample	22/08/2018	121	HPLC
Elemental Sulphur	M	Air dried sample	22/08/2018	122	HPLC
PAH (GC-FID)	M	As submitted sample	22/08/2018	133	GC-FID
PAHs and/or PCBs in leachates	N		23/08/2018	135	GC-MS
SVOC in solids	N	As submitted sample	22/08/2018	167	GC-MS
Water soluble anions	M	Air dried sample	22/08/2018	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	22/08/2018	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	22/08/2018	181	GC-MS
VOC in solids	M	As submitted sample	22/08/2018	181	GC-MS
Low range Aliphatic hydrocarbons leachat	N		24/08/2018	200	GC-MS
Low range Aromatic hydrocarbons leachate	N		24/08/2018	200	GC-MS
BTEX in leachates	N		24/08/2018	200A	GC-MS
Water soluble boron	N	Air dried sample	22/08/2018	202	Colorimetry
Total cyanide	M	As submitted sample	23/08/2018	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	22/08/2018	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	23/08/2018	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	22/08/2018	214	GC-FID
Anions in leachates	N		23/08/2018	270	Ion Chromatography
Asbestos identification	U	Air dried sample	22/08/2018	PMAN	Microscopy
Leachate					
Arsenic*	N		24/08/2018	101	ICPMS
Cadmium*	N		24/08/2018	101	ICPMS
Chromium*	N		24/08/2018	101	ICPMS
Lead*	N		24/08/2018	101	ICPMS
Nickel*	N		24/08/2018	101	ICPMS
Copper*	N		24/08/2018	101	ICPMS
Zinc*	N		24/08/2018	101	ICPMS
Mercury*	N		24/08/2018	101	ICPMS
Selenium*	N		24/08/2018	101	ICPMS
Antimony	N		24/08/2018	101	ICPMS
Barium*	N		24/08/2018	101	ICPMS
Molybdenum*	N		24/08/2018	101	ICPMS
pH Value*	N		24/08/2018	113	Electrometric
Electrical Conductivity*	N		24/08/2018	136	Probe
Dissolved Organic Carbon	N		24/08/2018	102	TOC analyser
Chloride*	N		24/08/2018	131	Ion Chromatography
Fluoride*	N		24/08/2018	131	Ion Chromatography
Sulphate*	N		24/08/2018	131	Ion Chromatography
Total Dissolved Solids	N		24/08/2018	144	Gravimetric
Phenol index	N		24/08/2018	121	HPLC
WAC Solids analysis	N				
pH Value**	M	Air dried sample	23/08/2018	113	Electrometric
Total Organic Carbon	N	Air dried sample	23/08/2018	210	IR
Loss on Ignition**	M	Air dried sample	23/08/2018	129	Gravimetric
Acid Neutralization Capacity to pH 7	N	Air dried sample	23/08/2018	NEN 737	Electrometric
Total BTEX**	M	As submitted sample	22/08/2018	181	GCMS
Mineral Oil**	U	As submitted sample	22/08/2018	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	22/08/2018	120	GCMS
Total PAH (17)**	N	As submitted sample	23/08/2018	133	GCFID

Tests marked N are not UKAS accredited

Report Information

Report No.: 18-19149

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)
Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618
Facsimile: (01424) 729911
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	18-19171
Issue:	1
Date of Issue:	29/08/2018
Contact:	Glyn Evans
Customer Details:	GESL Unit 7 Danworth Farm Hurstpierpoint West Sussex BN6 9GL
Quotation No:	Q14-00021
Order No:	Not Supplied
Customer Reference:	GE17106
Date Received:	21/08/2018
Date Approved:	29/08/2018
Details:	Cornfield Close, Littlehampton
Approved by:	

Mike Varley, Technical Manager

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

ARUN DISTRICT COUNCIL LU/330/18/PL

ELAB

Sample Summary

Report No.: 18-19171

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
147398	BH109 0.50	20/08/2018	21/08/2018	Silty loam	
147399	BH109 0.30	20/08/2018	21/08/2018	Silty loam	
147400	BH108 0.30	20/08/2018	21/08/2018	Silty loam	
147401	BH108 1.50 - 1.95	20/08/2018	21/08/2018	Silty loam	
147402	BH108 1.00	20/08/2018	21/08/2018	Silty loam	
147403	BH108 0.50	20/08/2018	21/08/2018		
147404	BH109 1.00	20/08/2018	21/08/2018		
147405	BH109 1.50 - 1.95	20/08/2018	21/08/2018		

Results Summary

Report No.: 18-19171

				ELAB Reference	147398	147399	147400	147401	147402
				Customer Reference					
				Sample ID					
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
				Sample Location	BH109	BH109	BH108	BH108	BH108
				Sample Depth (m)	0.50	0.30	0.30	1.50 - 1.95	1.00
				Sampling Date	20/08/2018	20/08/2018	20/08/2018	20/08/2018	20/08/2018
Determinand	**Codes**	**Units**	**LOD**						
Metals									
Arsenic	M	mg/kg	1		51.5	n/t	12.8	16.0	11.2
Barium	U	mg/kg	10		505	n/t	143	323	270
Beryllium	U	mg/kg	1		5.5	n/t	< 1.0	1.1	< 1.0
Cadmium	M	mg/kg	0.5		1.6	n/t	0.7	1.0	0.8
Chromium	M	mg/kg	5		47.4	n/t	27.2	36.1	28.5
Copper	M	mg/kg	5		209	n/t	62.2	222	70.9
Lead	M	mg/kg	5		349	n/t	98.2	296	119
Mercury	M	mg/kg	0.5		2.0	n/t	< 0.5	1.3	0.8
Nickel	M	mg/kg	5		74.2	n/t	31.6	44.0	28.7
Selenium	M	mg/kg	1		1.4	n/t	< 1.0	< 1.0	< 1.0
Vanadium	M	mg/kg	5		74.0	n/t	34.4	28.2	29.4
Zinc	M	mg/kg	5		494	n/t	207	424	302
Anions									
Water Soluble Chloride	M	mg/kg	40		< 40	n/t	< 40	< 40	< 40
Water Soluble Sulphate	M	g/l	0.02		0.15	n/t	0.05	0.10	0.05
Inorganics									
Elemental Sulphur	M	mg/kg	20		22	n/t	< 20	< 20	< 20
Ammoniacal Nitrogen as N	N	mg/kg	0.1		1.2	n/t	n/t	n/t	n/t
Hexavalent Chromium	N	mg/kg	0.8		< 0.8	n/t	< 0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2		< 2	n/t	< 2	< 2	< 2
Total Cyanide	M	mg/kg	1		< 1.0	n/t	< 1.0	29.4	1.1
Acid Soluble Sulphate (SO4)	U	%	0.02		0.12	n/t	0.06	0.07	0.05
Water Soluble Boron	N	mg/kg	0.5		1.3	n/t	0.9	0.8	0.6
Miscellaneous									
Acid Neutralisation Capacity	N	mol/kg	0.1		n/t	< 0.1	n/t	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01		n/t	5.25	n/t	n/t	n/t
pH	M	pH units	0.1		7.5	7.3	7.8	7.8	7.9
Total Organic Carbon	N	%	0.01		7.8	3.5	1.6	3.7	2.0
Phenols									
Total Phenols	N	mg/kg	6		< 6	n/t	< 6	< 6	< 6
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1		< 0.1	n/t	< 0.1	0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1		0.1	n/t	< 0.1	0.3	0.1
Acenaphthene	M	mg/kg	0.1		< 0.1	n/t	< 0.1	0.3	< 0.1
Fluorene	M	mg/kg	0.1		< 0.1	n/t	< 0.1	0.2	< 0.1
Phenanthrene	M	mg/kg	0.1		0.3	n/t	0.6	3.5	0.7
Anthracene	M	mg/kg	0.1		0.1	n/t	0.2	1.3	0.3
Fluoranthene	M	mg/kg	0.1		0.6	n/t	1.7	7.9	3.1
Pyrene	M	mg/kg	0.1		0.5	n/t	1.5	6.2	2.7
Benzo(a)anthracene	M	mg/kg	0.1		0.3	n/t	0.9	3.4	1.7
Chrysene	M	mg/kg	0.1		0.4	n/t	1.1	3.7	1.8
Benzo (b) fluoranthene	M	mg/kg	0.1		0.4	n/t	1.1	3.4	1.7
Benzo(k)fluoranthene	M	mg/kg	0.1		0.7	n/t	1.2	3.8	1.9
Benzo (a) pyrene	M	mg/kg	0.1		0.4	n/t	1.1	3.4	1.7
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1		0.3	n/t	1.5	2.5	1.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1		0.4	n/t	0.2	0.5	0.3
Benzo[g,h,i]perylene	M	mg/kg	0.1		0.4	n/t	0.8	1.7	0.9
Total PAH(16)	M	mg/kg	0.4		5.0	n/t	12.1	42.2	18.2
Total PAH (Including Coronene)	N	mg/kg	2		n/t	11	n/t	n/t	n/t

Tests marked N are not UKAS accredited.

The Environmental Laboratory Ltd. Reg. No. 3882193

Results Summary

Report No.: 18-19171

				ELAB Reference	147398	147399	147400	147401	147402
				Customer Reference					
				Sample ID					
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
				Sample Location	BH109	BH109	BH108	BH108	BH108
				Sample Depth (m)	0.50	0.30	0.30	1.50 - 1.95	1.00
				Sampling Date	20/08/2018	20/08/2018	20/08/2018	20/08/2018	20/08/2018
Determinand	**Codes**	**Units**	**LOD**						
BTEX									
Benzene	M	ug/kg	10		< 10.0	n/t	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10		< 10.0	n/t	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10		< 10.0	n/t	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10		< 10.0	n/t	< 10.0	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01		n/t	< 0.01	n/t	n/t	n/t
TPH CWG									
>C5-C6 Aliphatic	N	mg/kg	0.01		< 0.01	n/t	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01		< 0.01	n/t	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1		< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1		< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1		< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1		< 1.0	n/t	1.7	5.9	2.1
>C21-C35 Aliphatic	N	mg/kg	1		12.1	n/t	20.3	68.0	27.5
>C35-C40 Aliphatic	N	mg/kg	1		1.4	n/t	1.2	6.3	2.9
>C5-C7 Aromatic	N	mg/kg	0.01		< 0.01	n/t	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01		< 0.01	n/t	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1		< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1		< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1		< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1		1.7	n/t	3.7	13.4	3.3
>C21-C35 Aromatic	N	mg/kg	1		20.7	n/t	39.1	91.4	36.5
>C35-C40 Aromatic	N	mg/kg	1		3.7	n/t	3.8	10.1	4.9
Total (>C5-C40) Ali/Aro	N	mg/kg	1		39.6	n/t	69.8	195	77.1
Total Petroleum Hydrocarbons									
Mineral Oil	U	mg/kg	5		n/t	< 5	n/t	n/t	n/t
PCB (ICES 7 congeners)									
PCB 28	M	mg/kg	0.01		< 0.01	n/t	n/t	n/t	n/t
PCB 52	M	mg/kg	0.01		< 0.01	n/t	n/t	n/t	n/t
PCB 101	M	mg/kg	0.01		< 0.01	n/t	n/t	n/t	n/t
PCB 118	M	mg/kg	0.01		< 0.01	n/t	n/t	n/t	n/t
PCB 153	M	mg/kg	0.01		< 0.01	n/t	n/t	n/t	n/t
PCB 138	M	mg/kg	0.01		< 0.01	n/t	n/t	n/t	n/t
PCB 180	M	mg/kg	0.01		< 0.01	n/t	n/t	n/t	n/t
PCB (Total of 7 Congeners)	M	mg/kg	0.03		< 0.03	< 0.03	n/t	n/t	n/t

Tests marked N are not UKAS accredited.

ELAB

UKAS TESTING 2683

///CERT

Results Summary

Report No.: 18-19171

ELAB Reference	147398
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	BH109
Sample Depth (m)	0.50
Sampling Date	20/08/2018

Determinand	Codes	Units	LOD	
VOC				
Heptane	N	ug/kg	10	< 10.0
Octane	N	ug/kg	10	< 10.0
Nonane	N	ug/kg	10	< 10.0
Benzene	M	ug/kg	10	< 10.0
Toluene	M	ug/kg	10	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0
m+p-xylene	M	ug/kg	10	< 10.0
o-xylene	M	ug/kg	10	< 10.0
cis-1,2-dichloroethene	M	ug/kg	10	< 10.0
1,1-Dichloroethane	M	ug/kg	10	< 10.0
Chloroform	M	ug/kg	10	< 10.0
Tetrachloromethane	M	ug/kg	10	< 10.0
1,1,1-Trichloroethane	M	ug/kg	10	< 10.0
Trichloroethylene	M	ug/kg	10	15.5
Tetrachloroethylene	M	ug/kg	10	< 10.0
1,1,1,2-Tetrachloroethane	M	ug/kg	10	< 10.0
1,1,2,2-Tetrachloroetha	M	ug/kg	10	< 10.0
Chlorobenzene	M	ug/kg	10	< 10.0
Bromobenzene	M	ug/kg	10	< 10.0
Bromodichloromethane	M	ug/kg	10	< 10.0
Methylethylbenzene	M	ug/kg	10	< 10.0
1,1-Dichloro-1-propene	M	ug/kg	10	< 10.0
Trans - 1-2 -dichloroethylene	N	ug/kg	10	< 10.0
2,2-Dichloropropane	N	ug/kg	10	< 10.0
Bromochloromethane	N	ug/kg	10	< 10.0
1,2-Dichloroethane	N	ug/kg	10	< 10.0
Dibromomethane	M	ug/kg	10	< 10.0
1,2-Dichloropropane	M	ug/kg	10	< 10.0
cis-1,3-Dichloro-1-propene	M	ug/kg	10	< 10.0
trans-1,3-Dichloro-1-propene	M	ug/kg	10	< 10.0
1,1,2-Trichloroethane	N	ug/kg	10	< 10.0
Dibromochloromethane	N	ug/kg	10	< 10.0
1,3-Dichloropropane	N	ug/kg	10	< 10.0
1,2-dibromoethane	M	ug/kg	10	< 10.0
Styrene	N	ug/kg	10	< 10.0
Propylbenzene	N	ug/kg	10	< 10.0
2-Chlorotoluene	N	ug/kg	10	< 10.0
1,2,4-Trimethylbenzene	N	ug/kg	10	< 10.0
4-Chlorotoluene	N	ug/kg	10	< 10.0
t-butylbenzene	N	ug/kg	10	< 10.0
1,3,5-Trimethylbenzene	N	ug/kg	10	< 10.0
1-methylpropylbenzene	N	ug/kg	10	< 10.0
o-cymene	N	ug/kg	10	< 10.0
1,3-Dichlorobenzene	N	ug/kg	10	< 10.0
Butylbenzene	N	ug/kg	10	< 10.0
1,2-Dibromo-3-chloropropane	N	ug/kg	10	< 10.0
Hexachlorobutadiene	N	ug/kg	10	< 10.0
1-2-3 - Trichlorobenzene	N	ug/kg	10	< 10.0
Naphthalene	N	ug/kg	10	< 10.0
1-2-4 - Trichlorobenzene	N	ug/kg	10	< 10.0
1,4-Dichlorobenzene	N	ug/kg	10	< 10.0
1,2-Dichlorobenzene	N	ug/kg	10	< 10.0
Bromoform	N	ug/kg	10	< 10.0

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19171

ELAB Reference	147398
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	BH109
Sample Depth (m)	0.50
Sampling Date	20/08/2018

Determinand	Codes	Units	LOD	
SVOC				
Phenol	N	mg/kg	0.01	< 0.01
Aniline	N	mg/kg	0.01	0.18
Bis(2-chloroethyl)ether	N	mg/kg	0.01	< 0.01
2-Chlorophenol	N	mg/kg	0.01	< 0.01
1,3-Dichlorobenzene	N	mg/kg	0.01	< 0.01
1,4-Dichlorobenzene	N	mg/kg	0.01	< 0.01
Benzyl Alcohol	N	mg/kg	0.01	< 0.01
1,2-Dichlorobenzene	N	mg/kg	0.01	< 0.01
2-Methylphenol	N	mg/kg	0.01	< 0.01
Bis(2-chloroisopropyl)ether	N	mg/kg	0.01	< 0.01
3 and 4-methylphenol	N	mg/kg	0.01	0.01
N-Nitrosodi-n-propylamine	N	mg/kg	0.01	< 0.01
Hexachloroethane	N	mg/kg	0.01	< 0.01
Nitrobenzene	N	mg/kg	0.01	< 0.01
Isophorone	N	mg/kg	0.01	< 0.01
2-Nitrophenol	N	mg/kg	0.01	< 0.01
2,4-Dimethylphenol	N	mg/kg	0.01	< 0.01
Bis(2-chloroethoxy)methane	N	mg/kg	0.01	< 0.01
2,4-Dichlorophenol	N	mg/kg	0.01	< 0.01
1,3,5-Trichlorobenzene	N	mg/kg	0.01	< 0.01
Naphthalene	N	mg/kg	0.01	0.10
3-Chloroaniline	N	mg/kg	0.01	0.01
Hexachloro-1,3-butadiene	N	mg/kg	0.01	< 0.01
4-Chloro-3-methylphenol	N	mg/kg	0.01	< 0.01
2-Methylnaphthalene	N	mg/kg	0.01	0.09
1-Methylnaphthalene	N	mg/kg	0.01	0.08
Hexachlorocyclopentadiene	N	mg/kg	0.01	< 0.01
2,4,6-Trichlorophenol	N	mg/kg	0.01	< 0.01
2,4,5-Trichlorophenol	N	mg/kg	0.01	< 0.01
1-Chloronaphthalene	N	mg/kg	0.01	< 0.01
2-Nitroaniline	N	mg/kg	0.01	< 0.01
1,4-Dinitrobenzene	N	mg/kg	0.01	< 0.01
Dimethyl phthalate	N	mg/kg	0.01	< 0.01
1-3-dinitrobenzene	N	mg/kg	0.01	< 0.01
2-6-dinitrotoluene	N	mg/kg	0.01	< 0.01
Acenaphthylene	N	mg/kg	0.01	0.14
1,2-Dinitrobenzene	N	mg/kg	0.01	< 0.01
3-Nitroaniline	N	mg/kg	0.01	< 0.01
Acenaphthene	N	mg/kg	0.01	0.16
4-nitrophenol	N	mg/kg	0.01	< 0.01
Dibenzofuran	N	mg/kg	0.01	0.11
2,3,5,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01
2,3,4,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01
Diethyl phthalate	N	mg/kg	0.01	< 0.01
1-chloro-4-phenoxybenzene	N	mg/kg	0.01	< 0.01
Fluorene	N	mg/kg	0.01	0.12
4-Nitroaniline	N	mg/kg	0.01	< 0.01
Dinitro-o-cresol	N	mg/kg	0.01	< 0.01
Diphenylamine	N	mg/kg	0.01	< 0.01
Azobenzene	N	mg/kg	0.01	< 0.01
1-bromo-4-phenoxybenzene	N	mg/kg	0.01	< 0.01
Hexachlorobenzene	N	mg/kg	0.01	< 0.01
Pentachlorophenol	N	mg/kg	0.01	0.02

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19171

ELAB Reference	147398
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	BH109
Sample Depth (m)	0.50
Sampling Date	20/08/2018

Determinand	Codes	Units	LOD	
SVOC				
Phenanthrene	N	mg/kg	0.01	0.73
Anthracene	N	mg/kg	0.01	0.22
Carbazole	N	mg/kg	0.01	0.05
Dibutyl phthalate	N	mg/kg	0.01	< 0.01
Fluoranthene	N	mg/kg	0.01	1.59
Pyrene	N	mg/kg	0.01	1.42
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01
Bis-2-ethylhexyladipate	N	mg/kg	0.01	< 0.01
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01
Benzo(a)anthracene	N	mg/kg	0.01	0.72
Chrysene	N	mg/kg	0.01	0.90
Bis(2-ethylhexyl)phthalate	N	mg/kg	0.01	< 0.01
Benzo(b)fluoranthene	N	mg/kg	0.01	0.86
Benzo(k)fluoranthene	N	mg/kg	0.01	0.80
Benzo(a)pyrene	N	mg/kg	0.01	1.06
Indeno(1,2,3-cd)pyrene	N	mg/kg	0.01	0.57
Dibenz(ah)anthracene	N	mg/kg	0.01	0.24
Benzo[g,h,i]perylene	N	mg/kg	0.01	0.73

ELAB

UKAS TESTING 2683

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Results Summary

Report No.: 18-19171

ELAB Reference	147402
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	BH108
Sample Depth (m)	1.00
Sampling Date	20/08/2018

Determinand	Codes	Units	LOD	
Metals				
Arsenic	N	ug/l	5	< 5
Barium	N	ug/l	5	11
Beryllium	N	ug/l	5	< 5
Boron	N	ug/l	5	33
Cadmium	N	ug/l	1	< 1
Chromium	N	ug/l	5	< 5
Copper	N	ug/l	5	10
Lead	N	ug/l	5	< 5
Mercury	N	ug/l	0.1	< 0.1
Nickel	N	ug/l	5	< 5
Selenium	N	ug/l	5	< 5
Vanadium	N	ug/l	5	< 5
Zinc	N	ug/l	5	11
Anions				
Chloride	N	mg/l	1	1
Sulphate	N	mg/l	1	3
Inorganics				
Hexavalent chromium	N	ug/l	100	< 100
Elemental Sulphur	N	mg/l	0.1	< 0.1
Sulphide	N	mg/l	0.1	< 0.1
Total Cyanide	N	ug/l	5	< 5
Miscellaneous				
Dissolved organic carbon	N	mg/l	1.5	10.3
pH	N	pH units	0.1	7.7
Phenols				
Total Phenols	N	ug/l	6	< 6
Polyaromatic hydrocarbons				
Naphthalene Leachate GCMS	N	ug/l	0.01	0.09
Acenaphthylene Leachate GCMS	N	ug/l	0.01	0.02
Acenaphthene Leachate GCMS	N	ug/l	0.01	0.03
Fluorene Leachate GCMS	N	ug/l	0.01	0.03
Phenanthrene Leachate GCMS	N	ug/l	0.01	0.08
Anthracene Leachate GCMS	N	ug/l	0.01	0.02
Fluoranthene Leachate GCMS	N	ug/l	0.01	0.02
Pyrene Leachate GCMS	N	ug/l	0.01	0.01
Benzo (a) anthracene Leachate GCMS	N	ug/l	0.01	< 0.01
Chrysene Leachate GCMS	N	ug/l	0.01	< 0.01
Benzo (b) fluoranthene Leachate GCMS	N	ug/l	0.01	< 0.01
Benzo (k) fluoranthene Leachate GCMS	N	ug/l	0.01	< 0.01
Benzo (a) pyrene Leachate GCMS	N	ug/l	0.01	< 0.01
Indeno (1,2,3-cd) pyrene Leachate GCMS	N	ug/l	0.01	< 0.01
Dibenzo(a,h)anthracene Leachate GCMS	N	ug/l	0.01	< 0.01
Benzo(ghi)perylene Leachate GCMS	N	ug/l	0.01	0.01
Total PAH(16) Leachate GCMS	N	ug/l	0.01	0.35

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19171

ELAB Reference	147402
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	BH108
Sample Depth (m)	1.00
Sampling Date	20/08/2018

Determinand	Codes	Units	LOD	
BTEX				
Benzene	N	ug/l	1	< 1.00
Toluene	N	ug/l	1	< 1.00
Ethylbenzene	N	ug/l	1	< 1.00
Xylenes	N	ug/l	1	< 1.00
TPH CWG				
>C5-C6 Aliphatic in Leachate	N	ug/l	1	< 1.0
>C6-C8 Aliphatic in Leachate	N	ug/l	1	< 1.0
>C8-C10 Aliphatic Leachate	N	ug/l	5	< 5.0
>C10-C12 Aliphatic Leachate	N	ug/l	5	< 5.0
>C12-C16 Aliphatic Leachate	N	ug/l	5	< 5.0
>C16-C21 Aliphatic Leachate	N	ug/l	5	< 5.0
>C21-C35 Aliphatic Leachate	N	ug/l	5	< 5.0
>C35-C40 Aliphatic Leachate	N	ug/l	5	< 5.0
Total (>C5-C40) Aliphatic Leachate	N	ug/l	5	< 5.0
>C5-C7 Aromatic in Leachate	N	ug/l	1	< 1.0
>C7-C8 Aromatic in Leachate	N	ug/l	1	< 1.0
>C8-C10 Aromatic Leachate	N	ug/l	5	< 5.0
>C10-C12 Aromatic Leachate	N	ug/l	5	< 5.0
>C12-C16 Aromatic Leachate	N	ug/l	5	< 5.0
>C16-C21 Aromatic Leachate	N	ug/l	5	< 5.0
>C21-C35 Aromatic Leachate	N	ug/l	5	< 5.0
>C35-C40 Aromatic Leachate	N	ug/l	5	< 5.0
Total (>C5-C40) Aromatic Leachate	N	ug/l	5	< 5.0
Total (>C5-C40) Ali/Aro Leachate	N	ug/l	5	< 5.0

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19171

WAC Analysis

Elab Ref:	147399					Landfill Waste Acceptance Criteria Limits		
Sample Date:	20/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	BH109							
Depth (m)	0.3							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		3.50	3	5	6
Loss on Ignition		M	%		5.3	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		11.0	100	--	--
pH		M			7.3	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.008		0.08	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	0.007		0.07	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	0.002		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.006		0.06	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	1		10.50	1000	20000	50000
Total Dissolved Solids		N	10		100.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	19.500		195.00	500	800	1000
Leach Test Information								
pH		N	7.4					
Conductivity (uS/cm)		N	69					
Dry mass of test portion (g)			102.000					
Dry Matter (%)			88					
Moisture (%)			14					
Eluent Volume (ml)			967					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

Stated limits are for guidance only and ELAB cannot be held responsible for any discrepencies with current legislation

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 18-19171

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2883). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
147398	0.50	BH109	Brown sandy soil, stones, concrete, clinker, glass, plastic,	No asbestos detected	n/t	n/t	n/t	n/t
147400	0.30	BH108	Brown sandy soil, stones, clinker, glass, foil, organics	No asbestos detected	n/t	n/t	n/t	n/t
147401	1.50 - 1.95	BH108	Brown sandy soil, stones, clinker, ceramics, glass, plastic	No asbestos detected	n/t	n/t	n/t	n/t
147402	1.00	BH108	Brown sandy soil, stones, concrete, brick, clinker, glass, metal	Amosite Chrysotile	n/t	n/t	n/t	n/t

Method Summary

Report No.: 18-19171

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Aliphatic hydrocarbons in leachate	N		24/08/2018		GC-FID
Aliphatic/Aromatic hydrocarbons in leach	N		28/08/2018		GC-FID
Ammonia in soil	N	As submitted sample	23/08/2018		
Aromatic hydrocarbons in leachate	N		24/08/2018		GC-FID
Carbon in leachates	N		28/08/2018		IR
Cyanide (L) in solids in leachates	N		24/08/2018		Colorimetry
Elemental Sulphur by HPLC in leachates	N	On prepared leachate	28/08/2018		HPLC
Phenols in leachates	N		24/08/2018		HPLC
Sulphide in solids in leachates	N		28/08/2018		Colorimetry
pH of leachates	N		28/08/2018		Electromeric
Metals by ICP in leachates	N		24/08/2018	101	ICPMS
Sulphide	N	As submitted sample	23/08/2018	109	Colorimetry
Hexavalent chromium	N	As submitted sample	23/08/2018	110	Colorimetry
Acid Soluble Sulphate	U	Air dried sample	24/08/2018	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	23/08/2018	118	ICPMS
Phenols in solids	N	As submitted sample	23/08/2018	121	HPLC
Elemental Sulphur	M	Air dried sample	23/08/2018	122	HPLC
PAH (GC-FID)	M	As submitted sample	23/08/2018	133	GC-FID
PAHs and/or PCBs in leachates	N		24/08/2018	135	GC-MS
SVOC in solids	N	As submitted sample	23/08/2018	167	GC-MS
Water soluble anions	M	Air dried sample	23/08/2018	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	23/08/2018	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	23/08/2018	181	GC-MS
VOC in solids	M	As submitted sample	23/08/2018	181	GC-MS
Low range Aliphatic hydrocarbons leachat	N		28/08/2018	200	GC-MS
Low range Aromatic hydrocarbons leachate	N		28/08/2018	200	GC-MS
BTEX in leachates	N		28/08/2018	200A	GC-MS
Water soluble boron	N	Air dried sample	23/08/2018	202	Colorimetry
Total cyanide	M	As submitted sample	23/08/2018	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	23/08/2018	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	28/08/2018	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	23/08/2018	214	GC-FID
Anions in leachates	N		24/08/2018	270	Ion Chromatography
Asbestos identification	U	Air dried sample	23/08/2018	PMAN	Microscopy
Leachate					
Arsenic*	N		28/08/2018	101	ICPMS
Cadmium*	N		28/08/2018	101	ICPMS
Chromium*	N		28/08/2018	101	ICPMS
Lead*	N		28/08/2018	101	ICPMS
Nickel*	N		28/08/2018	101	ICPMS
Copper*	N		28/08/2018	101	ICPMS
Zinc*	N		28/08/2018	101	ICPMS
Mercury*	N		28/08/2018	101	ICPMS
Selenium*	N		28/08/2018	101	ICPMS
Antimony	N		28/08/2018	101	ICPMS
Barium*	N		28/08/2018	101	ICPMS
Molybdenum*	N		28/08/2018	101	ICPMS
pH Value*	N		28/08/2018	113	Electrometric
Electrical Conductivity*	N		28/08/2018	136	Probe
Dissolved Organic Carbon	N		28/08/2018	102	TOC analyser
Chloride*	N		28/08/2018	131	Ion Chromatography
Fluoride*	N		28/08/2018	131	Ion Chromatography
Sulphate*	N		28/08/2018	131	Ion Chromatography
Total Dissolved Solids	N		28/08/2018	144	Gravimetric
Phenol index	N		28/08/2018	121	HPLC
WAC Solids analysis	N				
pH Value**	M	Air dried sample	24/08/2018	113	Electrometric
Total Organic Carbon	N	Air dried sample	24/08/2018	210	IR
Loss on Ignition**	M	Air dried sample	28/08/2018	129	Gravimetric
Acid Neutralization Capacity to pH 7	N	Air dried sample	24/08/2018	NEN 737	Electrometric
Total BTEX**	M	As submitted sample	23/08/2018	181	GCMS
Mineral Oil**	U	As submitted sample	23/08/2018	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	23/08/2018	120	GCMS
Total PAH (17)**	N	As submitted sample	24/08/2018	133	GCFID

Tests marked N are not UKAS accredited

Report Information

Report No.: 18-19171

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)
Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

Unit A2
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TN38 9BY
Telephone: (01424) 718618
Facsimile: (01424) 729911
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 18-19233

Issue: 1

Date of Issue: 06/09/2018

Contact: Anthony Potter

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex
BN6 9GL

Quotation No: Q14-00021

Order No: Not Supplied

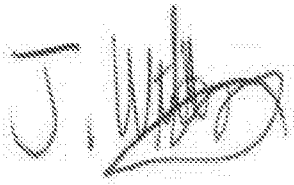
Customer Reference: GE17106

Date Received: 24/08/2018

Date Approved: 06/09/2018

Details: Cornfield Close, Littlehampton

Approved by:



John Wilson, Operations Manager

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

ARUN DISTRICT COUNCIL LU/330/18/PL

ELAB

Sample Summary

Report No.: 18-19233

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
147864	BH110 0.30	21/08/2018	24/08/2018	Silty loam	
147865	BH110 1.00	21/08/2018	24/08/2018	Silty loam	g
147866	BH106 0.30	22/08/2018	24/08/2018	Silty loam	
147867	BH106 1.00	22/08/2018	24/08/2018	Silty loam	
147868	BH105 0.50	22/08/2018	24/08/2018	Silty loam	
147869	BH105 1.00	22/08/2018	24/08/2018	Silty loam	
147870	BH105 6.50	22/08/2018	24/08/2018	Silty clayey loam	
147871	BH105 7.00	22/08/2018	24/08/2018	chalk	
147872	BH103 0.50	23/08/2018	24/08/2018	Silty loam	
147873	BH103 1.00	23/08/2018	24/08/2018	Silty loam	
147874	BH103 2.50	23/08/2018	24/08/2018	Silty loam	
147875	BH110 0.50	21/08/2018	24/08/2018		
147876	BH106 0.50	22/08/2018	24/08/2018		
147877	BH105 0.30	22/08/2018	24/08/2018		
147878	BH103 0.30	23/08/2018	24/08/2018		

ELAB

UKAS TESTING 2683

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Results Summary

Report No.: 18-19233

	Determinand	Codes	Units	LOD	ELAB Reference	147864	147865	147866	147867	147868
					Customer Reference					
					Sample ID					
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Location	BH110	BH110	BH106	BH106	BH105
					Sample Depth (m)	0.30	1.00	0.30	1.00	0.50
					Sampling Date	21/08/2018	21/08/2018	22/08/2018	22/08/2018	22/08/2018
	Metals									
	Arsenic	M	mg/kg	1		19.5	16.8	14.1	28.4	21.4
	Barium	U	mg/kg	10		1310	691	165	418	209
	Beryllium	U	mg/kg	1		< 1.0	1.1	1.1	2.9	1.8
	Cadmium	M	mg/kg	0.5		9.7	6.1	0.6	1.4	< 0.5
	Chromium	M	mg/kg	5		47.8	40.6	37.4	41.9	33.7
	Copper	M	mg/kg	5		301	257	87.8	94.0	87.5
	Lead	M	mg/kg	5		704	568	110	436	208
	Mercury	M	mg/kg	0.5		< 0.5	< 0.5	< 0.5	0.7	0.5
	Nickel	M	mg/kg	5		30.1	28.1	25.0	44.7	31.5
	Selenium	M	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Vanadium	M	mg/kg	5		32.4	35.7	49.8	60.9	53.2
	Zinc	M	mg/kg	5		2140	1300	293	691	231
	Anions									
	Water Soluble Chloride	M	mg/kg	40		< 40	< 40	< 40	< 40	< 40
	Water Soluble Sulphate	M	g/l	0.02		0.29	0.21	0.03	0.08	0.05
	Inorganics									
	Elemental Sulphur	M	mg/kg	20		< 20	24	< 20	21	41
	Ammoniacal Nitrogen as N	N	mg/kg	0.1		n/t	9.4	n/t	n/t	n/t
	Hexavalent Chromium	N	mg/kg	0.8		< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
	Total Sulphide	N	mg/kg	2		< 2	< 2	< 2	< 2	< 2
	Total Cyanide	M	mg/kg	1		2.8	2.0	< 1.0	6.2	< 1.0
	Acid Soluble Sulphate (SO4)	U	%	0.02		0.18	0.18	0.05	0.14	0.06
	Water Soluble Boron	N	mg/kg	0.5		1.0	1.2	1.1	1.5	1.6
	Miscellaneous									
	Acid Neutralisation Capacity	N	mol/kg	0.1		n/t	n/t	< 0.1	n/t	n/t
	Loss On Ignition (450°C)	M	%	0.01		n/t	n/t	4.98	n/t	n/t
	pH	M	pH units	0.1		10.6	11.0	7.7	7.5	8.1
	Total Organic Carbon	N	%	0.01		1.8	2.0	1.3	4.9	3.3
	Phenols									
	Total Phenols	N	mg/kg	6		< 6	< 6	< 6	< 6	< 6
	Polyaromatic hydrocarbons									
	Naphthalene	M	mg/kg	0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Acenaphthylene	M	mg/kg	0.1		0.3	0.1	< 0.1	< 0.1	< 0.1
	Acenaphthene	M	mg/kg	0.1		0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Fluorene	M	mg/kg	0.1		0.2	< 0.1	< 0.1	< 0.1	< 0.1
	Phenanthrene	M	mg/kg	0.1		2.1	0.8	0.3	0.5	0.2
	Anthracene	M	mg/kg	0.1		0.6	0.2	< 0.1	0.1	< 0.1
	Fluoranthene	M	mg/kg	0.1		4.3	1.9	1.0	1.5	0.5
	Pyrene	M	mg/kg	0.1		3.9	1.8	0.9	1.2	0.4
	Benzo(a)anthracene	M	mg/kg	0.1		2.1	0.9	0.5	0.6	0.3
	Chrysene	M	mg/kg	0.1		2.6	1.1	0.6	0.7	0.3
	Benzo (b) fluoranthene	M	mg/kg	0.1		3.1	1.6	0.9	1.2	0.5
	Benzo(k)fluoranthene	M	mg/kg	0.1		2.8	1.3	0.7	0.9	0.4
	Benzo (a) pyrene	M	mg/kg	0.1		3.3	1.5	0.7	1.2	0.4
	Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1		2.4	1.0	0.6	0.8	0.3
	Dibenzo(a,h)anthracene	M	mg/kg	0.1		0.4	0.2	0.1	0.5	< 0.1
	Benzo[g,h,i]perylene	M	mg/kg	0.1		2.4	1.6	0.6	1.6	0.3
	Total PAH(16)	M	mg/kg	0.4		30.6	14.2	7.2	11.0	3.8
	Total PAH (Including Coronene)	N	mg/kg	2		n/t	n/t	7	n/t	n/t

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Results Summary

Report No.: 18-19233

ELAB Reference				147864	147865	147866	147867	147868
Customer Reference								
Sample ID								
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				BH110	BH110	BH106	BH106	BH105
Sample Depth (m)				0.30	1.00	0.30	1.00	0.50
Sampling Date				21/08/2018	21/08/2018	22/08/2018	22/08/2018	22/08/2018
Determinand	**Codes**	**Units**	**LOD**					
BTEX								
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	n/t	n/t	< 0.01	n/t	n/t
TPH CWG								
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	1.4	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	6.5	2.3	< 1.0	9.3	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	123	43.3	1.9	144	18.6
>C35-C40 Aliphatic	N	mg/kg	1	44.5	9.0	< 1.0	34.2	2.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	4.9	3.7	2.1	6.0	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	108	71.9	22.8	157	8.9
>C35-C40 Aromatic	N	mg/kg	1	46.2	18.3	2.1	52.7	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	333	149	28.9	404	29.5
Total Petroleum Hydrocarbons								
Mineral Oil	U	mg/kg	5	n/t	n/t	107	n/t	n/t
PCB (ICES 7 congeners)								
PCB 28	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 52	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 101	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 118	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 153	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 138	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 180	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t
PCB (Total of 7 Congeners)	M	mg/kg	0.03	n/t	< 0.03	< 0.03	n/t	n/t

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UKAS TESTING 2683

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Results Summary

Report No.: 18-19233

			ELAB Reference	147869	147870	147871	147872	147873	147874
			Customer Reference						
			Sample ID						
			Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Sample Location	BH105	BH105	BH105	BH103	BH103	BH103
			Sample Depth (m)	1.00	6.50	7.00	0.50	1.00	2.50
			Sampling Date	22/08/2018	22/08/2018	22/08/2018	23/08/2018	23/08/2018	23/08/2018
Determinand	**Codes**	**Units**	**LOD**						
Metals									
Arsenic	M	mg/kg	1	n/t	8.3	^ 7.6	11.2	21.4	12.2
Barium	U	mg/kg	10	n/t	46.8	37.3	92.7	201	108
Beryllium	U	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	1.9	1.5
Cadmium	M	mg/kg	0.5	n/t	< 0.5	^ < 0.5	< 0.5	0.7	< 0.5
Chromium	M	mg/kg	5	n/t	17.9	^ 13.1	23.2	37.1	48.9
Copper	M	mg/kg	5	n/t	15.9	^ 9.7	22.8	69.8	20.3
Lead	M	mg/kg	5	n/t	14.5	^ 9.2	70.7	246	25.1
Mercury	M	mg/kg	0.5	n/t	< 0.5	^ < 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	n/t	25.3	^ 14.4	17.9	38.5	33.2
Selenium	M	mg/kg	1	n/t	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0
Vanadium	M	mg/kg	5	n/t	34.3	^ 28.5	35.3	52.0	80.3
Zinc	M	mg/kg	5	n/t	43.2	^ 35.9	119	297	102
Anions									
Water Soluble Chloride	M	mg/kg	40	n/t	< 40	^ < 40	< 40	< 40	< 40
Water Soluble Sulphate	M	g/l	0.02	n/t	0.07	^ 0.04	0.02	0.05	0.13
Inorganics									
Elemental Sulphur	M	mg/kg	20	n/t	< 20	^ < 20	< 20	30	201
Ammoniacal Nitrogen as N	N	mg/kg	0.1	n/t	36.2	n/t	n/t	n/t	n/t
Hexavalent Chromium	N	mg/kg	0.8	n/t	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	n/t	< 2	< 2	< 2	3	5
Total Cyanide	M	mg/kg	1	n/t	< 1.0	^ < 1.0	< 1.0	2.3	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	n/t	0.07	0.10	0.05	0.06	0.06
Water Soluble Boron	N	mg/kg	0.5	n/t	0.7	0.7	0.8	1.1	1.8
Miscellaneous									
Acid Neutralisation Capacity	N	mol/kg	0.1	< 0.1	n/t	n/t	< 0.1	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	6.10	n/t	n/t	4.02	n/t	n/t
pH	M	pH units	0.1	7.8	8.4	^ 8.5	7.7	7.7	7.4
Total Organic Carbon	N	%	0.01	3.2	0.06	0.16	1.0	2.3	0.16
Phenols									
Total Phenols	N	mg/kg	6	n/t	< 6	< 6	< 6	< 6	< 6
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.1	< 0.1	0.1
Acenaphthene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.2	0.3	< 0.1
Anthracene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	< 0.1	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.5	0.7	0.1
Pyrene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.5	0.7	0.1
Benzo(a)anthracene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.3	0.5	< 0.1
Chrysene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.4	0.5	< 0.1
Benzo (b) fluoranthene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.7	0.7	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.4	0.7	< 0.1
Benzo (a) pyrene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.4	0.5	< 0.1
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.4	0.4	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	< 0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	n/t	< 0.1	^ < 0.1	0.3	0.4	< 0.1
Total PAH(16)	M	mg/kg	0.4	n/t	< 0.4	^ < 0.4	4.3	5.8	0.6
Total PAH (Including Coronene)	N	mg/kg	2	11	n/t	n/t	4	n/t	n/t

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Results Summary

Report No.: 18-19233

ELAB Reference				147869	147870	147871	147872	147873	147874
Customer Reference									
Sample ID									
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				BH105	BH105	BH105	BH103	BH103	BH103
Sample Depth (m)				1.00	6.50	7.00	0.50	1.00	2.50
Sampling Date				22/08/2018	22/08/2018	22/08/2018	23/08/2018	23/08/2018	23/08/2018
Determinand	**Codes**	**Units**	**LOD**						
BTEX									
Benzene	M	ug/kg	10	n/t	< 10.0	^ < 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	n/t	< 10.0	^ < 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	n/t	< 10.0	^ < 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	n/t	< 10.0	^ < 10.0	< 10.0	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	< 0.01	n/t	n/t	< 0.01	n/t	n/t
TPH CWG									
>C5-C6 Aliphatic	N	mg/kg	0.01	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	n/t	3.3	< 1.0	3.7	15.2	6.5
>C35-C40 Aliphatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	1.5	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	n/t	< 1.0	< 1.0	< 1.0	2.1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	n/t	< 1.0	< 1.0	14.3	27.1	7.7
>C35-C40 Aromatic	N	mg/kg	1	n/t	< 1.0	< 1.0	1.3	2.9	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	n/t	3.3	< 1.0	19.3	48.8	14.1
Total Petroleum Hydrocarbons									
Mineral Oil	U	mg/kg	5	15	n/t	n/t	19	n/t	n/t
PCB (ICES 7 congeners)									
PCB 28	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t	n/t
PCB 52	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t	n/t
PCB 101	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t	n/t
PCB 118	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t	n/t
PCB 153	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t	n/t
PCB 138	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t	n/t
PCB 180	M	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t	n/t
PCB (Total of 7 Congeners)	M	mg/kg	0.03	< 0.03	< 0.03	n/t	< 0.03	n/t	n/t

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Results Summary

Report No.: 18-19233

ELAB Reference	147865	147870
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	BH110	BH105
Sample Depth (m)	1.00	6.50
Sampling Date	21/08/2018	22/08/2018

Determinand	Codes	Units	LOD		
VOC					
Heptane	N	ug/kg	10	< 10.0	< 10.0
Octane	N	ug/kg	10	< 10.0	< 10.0
Nonane	N	ug/kg	10	< 10.0	< 10.0
Benzene	M	ug/kg	10	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0
m+p-xylene	M	ug/kg	10	< 10.0	< 10.0
o-xylene	M	ug/kg	10	< 10.0	< 10.0
cis-1,2-dichloroethene	M	ug/kg	10	< 10.0	< 10.0
1,1-Dichloroethane	M	ug/kg	10	< 10.0	< 10.0
Chloroform	M	ug/kg	10	< 10.0	< 10.0
Tetrachloromethane	M	ug/kg	10	< 10.0	< 10.0
1,1,1-Trichloroethane	M	ug/kg	10	< 10.0	< 10.0
Trichloroethylene	M	ug/kg	10	< 10.0	< 10.0
Tetrachloroethylene	M	ug/kg	10	< 10.0	< 10.0
1,1,1,2-Tetrachloroethane	M	ug/kg	10	< 10.0	< 10.0
1,1,2,2-Tetrachloroetha	M	ug/kg	10	< 10.0	< 10.0
Chlorobenzene	M	ug/kg	10	< 10.0	< 10.0
Bromobenzene	M	ug/kg	10	< 10.0	< 10.0
Bromodichloromethane	M	ug/kg	10	< 10.0	< 10.0
Methylethylbenzene	M	ug/kg	10	< 10.0	< 10.0
1,1-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0
Trans - 1-2 -dichloroethylene	N	ug/kg	10	< 10.0	< 10.0
2,2-Dichloropropane	N	ug/kg	10	< 10.0	< 10.0
Bromochloromethane	N	ug/kg	10	< 10.0	< 10.0
1,2-Dichloroethane	N	ug/kg	10	< 10.0	< 10.0
Dibromomethane	M	ug/kg	10	< 10.0	< 10.0
1,2-Dichloropropane	M	ug/kg	10	< 10.0	< 10.0
cis-1,3-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0
trans-1,3-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0
1,1,2-Trichloroethane	N	ug/kg	10	< 10.0	< 10.0
Dibromochloromethane	N	ug/kg	10	< 10.0	< 10.0
1,3-Dichloropropane	N	ug/kg	10	< 10.0	< 10.0
1,2-dibromoethane	M	ug/kg	10	< 10.0	< 10.0
Styrene	N	ug/kg	10	< 10.0	< 10.0
Propylbenzene	N	ug/kg	10	< 10.0	< 10.0
2-Chlorotoluene	N	ug/kg	10	< 10.0	< 10.0
1,2,4-Trimethylbenzene	N	ug/kg	10	< 10.0	< 10.0
4-Chlorotoluene	N	ug/kg	10	< 10.0	< 10.0
t-butylbenzene	N	ug/kg	10	< 10.0	< 10.0
1,3,5-Trimethylbenzene	N	ug/kg	10	< 10.0	< 10.0
1-methylpropylbenzene	N	ug/kg	10	< 10.0	< 10.0
o-cymene	N	ug/kg	10	< 10.0	< 10.0
1,3-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0
Butylbenzene	N	ug/kg	10	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	N	ug/kg	10	< 10.0	< 10.0
Hexachlorobutadiene	N	ug/kg	10	< 10.0	< 10.0
1-2-3 - Trichlorobenzene	N	ug/kg	10	< 10.0	< 10.0
Naphthalene	N	ug/kg	10	< 10.0	< 10.0
1-2-4 - Trichlorobenzene	N	ug/kg	10	< 10.0	< 10.0
1,4-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0
1,2-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0
Bromoform	N	ug/kg	10	< 10.0	< 10.0

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19233

ELAB Reference	147865	147870
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	BH110	BH105
Sample Depth (m)	1.00	6.50
Sampling Date	21/08/2018	22/08/2018

Determinand	Codes	Units	LOD		
SVOC					
Phenol	N	mg/kg	0.01	0.01	< 0.01
Aniline	N	mg/kg	0.01	< 0.01	< 0.01
Bis(2-chloroethyl)ether	N	mg/kg	0.01	< 0.01	< 0.01
2-Chlorophenol	N	mg/kg	0.01	< 0.01	< 0.01
1,3-Dichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01
1,4-Dichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01
Benzyl Alcohol	N	mg/kg	0.01	< 0.01	< 0.01
1,2-Dichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01
2-Methylphenol	N	mg/kg	0.01	< 0.01	< 0.01
Bis(2-chloroisopropyl)ether	N	mg/kg	0.01	< 0.01	< 0.01
3 and 4-methylphenol	N	mg/kg	0.01	0.02	< 0.01
N-Nitrosodi-n-propylamine	N	mg/kg	0.01	< 0.01	< 0.01
Hexachloroethane	N	mg/kg	0.01	< 0.01	< 0.01
Nitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01
Isophorone	N	mg/kg	0.01	< 0.01	< 0.01
2-Nitrophenol	N	mg/kg	0.01	< 0.01	< 0.01
2,4-Dimethylphenol	N	mg/kg	0.01	0.01	< 0.01
Bis(2-chloroethoxy)methane	N	mg/kg	0.01	< 0.01	< 0.01
2,4-Dichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01
1,3,5-Trichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01
Naphthalene	N	mg/kg	0.01	0.07	< 0.01
3-Chloroaniline	N	mg/kg	0.01	< 0.01	< 0.01
Hexachloro-1,3-butadiene	N	mg/kg	0.01	< 0.01	< 0.01
4-Chloro-3-methylphenol	N	mg/kg	0.01	< 0.01	< 0.01
2-Methylnaphthalene	N	mg/kg	0.01	0.04	< 0.01
1-Methylnaphthalene	N	mg/kg	0.01	0.04	< 0.01
Hexachlorocyclopentadiene	N	mg/kg	0.01	< 0.01	< 0.01
2,4,6-Trichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01
2,4,5-Trichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01
1-Chloronaphthalene	N	mg/kg	0.01	< 0.01	< 0.01
2-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01
1,4-Dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01
Dimethyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01
1-3-dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01
2-6-dinitrotoluene	N	mg/kg	0.01	< 0.01	< 0.01
Acenaphthylene	N	mg/kg	0.01	0.15	< 0.01
1,2-Dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01
3-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01

Results Summary

Report No.: 18-19233

ELAB Reference	147865	147870
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	BH110	BH105
Sample Depth (m)	1.00	6.50
Sampling Date	21/08/2018	22/08/2018

Determinand	Codes	Units	LOD		
SVOC					
Acenaphthene	N	mg/kg	0.01	0.03	< 0.01
4-nitrophenol	N	mg/kg	0.01	< 0.01	< 0.01
Dibenzofuran	N	mg/kg	0.01	0.03	< 0.01
2,3,5,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01	< 0.01
2,3,4,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01	< 0.01
Diethyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01
1-chloro-4-phenoxybenzene	N	mg/kg	0.01	< 0.01	< 0.01
Fluorene	N	mg/kg	0.01	0.04	< 0.01
4-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01
Dinitro-o-cresol	N	mg/kg	0.01	< 0.01	< 0.01
Diphenylamine	N	mg/kg	0.01	< 0.01	< 0.01
Azobenzene	N	mg/kg	0.01	< 0.01	< 0.01
1-bromo-4-phenoxybenzene	N	mg/kg	0.01	< 0.01	< 0.01
Hexachlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01
Pentachlorophenol	N	mg/kg	0.01	0.01	< 0.01
Phenanthrene	N	mg/kg	0.01	0.78	< 0.01
Anthracene	N	mg/kg	0.01	0.18	< 0.01
Carbazole	N	mg/kg	0.01	0.07	< 0.01
Dibutyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01
Fluoranthene	N	mg/kg	0.01	2.58	< 0.01
Pyrene	N	mg/kg	0.01	2.40	< 0.01
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01
Bis-2-ethylhexyladipate	N	mg/kg	0.01	< 0.01	< 0.01
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01
Benzo(a)anthracene	N	mg/kg	0.01	1.51	< 0.01
Chrysene	N	mg/kg	0.01	1.56	< 0.01
Bis(2-ethylhexyl)phthalate	N	mg/kg	0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	N	mg/kg	0.01	0.93	< 0.01
Benzo(k)fluoranthene	N	mg/kg	0.01	1.28	< 0.01
Benzo(a)pyrene	N	mg/kg	0.01	1.45	< 0.01
Indeno(1,2,3-cd)pyrene	N	mg/kg	0.01	0.78	< 0.01
Dibenz(ah)anthracene	N	mg/kg	0.01	0.31	< 0.01
Benzo[g,h,i]perylene	N	mg/kg	0.01	1.00	< 0.01

ELAB

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Results Summary

Report No.: 18-19233

				ELAB Reference	147865	147869	147873
				Customer Reference			
				Sample ID			
				Sample Type	SOIL	SOIL	SOIL
				Sample Location	BH110	BH105	BH103
				Sample Depth (m)	1.00	1.00	1.00
				Sampling Date	21/08/2018	22/08/2018	23/08/2018
Determinand	**Codes**	**Units**	**LOD**			
Metals						
Arsenic	N	ug/l	5	15	< 5	< 5
Barium	N	ug/l	5	15	18	42
Beryllium	N	ug/l	5	< 5	< 5	< 5
Boron	N	ug/l	5	75	79	70
Cadmium	N	ug/l	1	< 1	< 1	< 1
Chromium	N	ug/l	5	< 5	< 5	< 5
Copper	N	ug/l	5	87	7	12
Lead	N	ug/l	5	< 5	< 5	< 5
Mercury	N	ug/l	0.1	< 0.1	< 0.1	< 0.1
Nickel	N	ug/l	5	< 5	< 5	< 5
Selenium	N	ug/l	5	< 5	< 5	< 5
Vanadium	N	ug/l	5	34	< 5	< 5
Zinc	N	ug/l	5	< 5	7	13
Anions						
Chloride	N	mg/l	1	< 1	2	3
Sulphate	N	mg/l	1	9	4	9
Inorganics						
Hexavalent chromium	N	ug/l	100	< 100	< 100	< 100
Elemental Sulphur	N	mg/l	0.1	< 0.1	< 0.1	< 0.1
Sulphide	N	mg/l	0.1	0.3	< 0.1	< 0.1
Total Cyanide	N	ug/l	5	13	< 5	< 5
Miscellaneous						
Dissolved organic carbon	N	mg/l	1.5	24.3	14.6	11.9
pH	N	pH units	0.1	9.8	8.0	7.8
Phenols						
Total Phenols	N	ug/l	6	< 6	< 6	< 6
Polyaromatic hydrocarbons						
Naphthalene Leachate GCMS	N	ug/l	0.01	0.09	0.13	0.09
Acenaphthylene Leachate GCMS	N	ug/l	0.01	0.03	0.01	0.02
Acenaphthene Leachate GCMS	N	ug/l	0.01	0.02	0.03	0.03
Fluorene Leachate GCMS	N	ug/l	0.01	0.03	0.04	0.04
Phenanthrene Leachate GCMS	N	ug/l	0.01	0.11	0.16	0.22
Anthracene Leachate GCMS	N	ug/l	0.01	0.04	0.03	0.03
Fluoranthene Leachate GCMS	N	ug/l	0.01	0.06	0.04	0.07
Pyrene Leachate GCMS	N	ug/l	0.01	0.05	0.03	0.04
Benzo (a) anthracene Leachate GCMS	N	ug/l	0.01	0.05	0.01	0.01
Chrysene Leachate GCMS	N	ug/l	0.01	0.06	0.02	0.02
Benzo (b) fluoranthene Leachate GCMS	N	ug/l	0.01	0.08	0.02	0.02
Benzo (k) fluoranthene Leachate GCMS	N	ug/l	0.01	0.10	0.02	0.02
Benzo (a) pyrene Leachate GCMS	N	ug/l	0.01	0.08	0.02	0.02
Indeno (1,2,3-cd) pyrene Leachate GCMS	N	ug/l	0.01	0.06	0.02	0.02
Dibenzo(a,h)anthracene Leachate GCMS	N	ug/l	0.01	0.02	< 0.01	< 0.01
Benzo(ghi)perylene Leachate GCMS	N	ug/l	0.01	0.09	0.02	0.02
Total PAH(16) Leachate GCMS	N	ug/l	0.01	0.97	0.59	0.66

Results Summary

Report No.: 18-19233

				ELAB Reference	147865	147869	147873
				Customer Reference			
				Sample ID			
				Sample Type	SOIL	SOIL	SOIL
				Sample Location	BH110	BH105	BH103
				Sample Depth (m)	1.00	1.00	1.00
				Sampling Date	21/08/2018	22/08/2018	23/08/2018
Determinand	**Codes**	**Units**	**LOD**			
BTEX						
Benzene	N	ug/l	1	g < 1.00	< 1.00	< 1.00
Toluene	N	ug/l	1	g < 1.00	< 1.00	< 1.00
Ethylbenzene	N	ug/l	1	g < 1.00	< 1.00	< 1.00
Xylenes	N	ug/l	1	g < 1.00	< 1.00	< 1.00
TPH CWG						
>C5-C6 Aliphatic in Leachate	N	ug/l	1	< 1.0	< 1.0	< 1.0
>C6-C8 Aliphatic in Leachate	N	ug/l	1	< 1.0	< 1.0	< 1.0
>C8-C10 Aliphatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C10-C12 Aliphatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C12-C16 Aliphatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C16-C21 Aliphatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C21-C35 Aliphatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C35-C40 Aliphatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
Total (>C5-C40) Aliphatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C5-C7 Aromatic in Leachate	N	ug/l	1	< 1.0	< 1.0	< 1.0
>C7-C8 Aromatic in Leachate	N	ug/l	1	< 1.0	< 1.0	< 1.0
>C8-C10 Aromatic Leachate	N	ug/l	5	< 5.0	< 5.0	< 5.0
>C10-C12 Aromatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C12-C16 Aromatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C16-C21 Aromatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C21-C35 Aromatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
>C35-C40 Aromatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
Total (>C5-C40) Aromatic Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0
Total (>C5-C40) Ali/Aro Leachate	N	ug/l	5	g < 5.0	< 5.0	< 5.0

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-19233

WAC Analysis

Elab Ref:	147872					Landfill Waste Acceptance Criteria Limits		
Sample Date:	23/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	BH103							
Depth (m)	0.5							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		1.00	3	5	6
Loss on Ignition		M	%		4.0	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		19	500	--	--
Total (of 17) PAHs		N	mg/kg		4.0	100	--	--
pH		M			7.7	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.007		0.07	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	< 0.005		< 0.05	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	2		15.40	1000	20000	50000
Total Dissolved Solids		N	< 10		< 100	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	10.200		102.00	500	800	1000
Leach Test Information								
pH		N	7.7					
Conductivity (uS/cm)		N	102					
Dry mass of test portion (g)			102.000					
Dry Matter (%)			90					
Moisture (%)			11					
Eluent Volume (ml)			986					

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and ELAB cannot be held responsible for any discrepencies with current legislation

Results Summary

Report No.: 18-19233

WAC Analysis

Elab Ref:	147869					Landfill Waste Acceptance Criteria Limits		
Sample Date:	22/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	BH105							
Depth (m)	1							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		3.20	3	5	6
Loss on Ignition		M	%		6.1	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		15	500	--	--
Total (of 17) PAHs		N	mg/kg		11.0	100	--	--
pH		M			7.8	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.005		0.05	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	< 0.005		< 0.05	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	6		57.20	1000	20000	50000
Total Dissolved Solids		N	< 10		< 100	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	10.300		103.00	500	800	1000
Leach Test Information								
pH		N	7.5					
Conductivity (uS/cm)		N	97					
Dry mass of test portion (g)			101.000					
Dry Matter (%)			83					
Moisture (%)			20					
Eluent Volume (ml)			961					

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and ELAB cannot be held responsible for any discrepencies with current legislation

Results Summary

Report No.: 18-19233

WAC Analysis

Elab Ref:	147866					Landfill Waste Acceptance Criteria Limits		
Sample Date:	22/08/2018					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	BH106							
Depth (m)	0.3							
Site:	Cornfield Close, Littlehampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		1.30	3	5	6
Loss on Ignition		M	%		5.0	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		107	500	--	--
Total (of 17) PAHs		N	mg/kg		7.0	100	--	--
pH		M			7.7	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	0.006		0.06	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	< 0.005		< 0.05	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	2		22.00	1000	20000	50000
Total Dissolved Solids		N	< 10		< 100	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	9.900		99.00	500	800	1000
Leach Test Information								
pH		N	7.2					
Conductivity (uS/cm)		N	60					
Dry mass of test portion (g)			102.000					
Dry Matter (%)			91					
Moisture (%)			10					
Eluent Volume (ml)			976					

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and ELAB cannot be held responsible for any discrepencies with current legislation

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Results Summary

Report No.: 16-19233

Asbestos Results

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

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
147864	0.30	BH110	Brown soil with stones,clinker,concrete,slate	Chrysotile (Lagging)	n/t	n/t	n/t	n/t
147865	1.00	BH110	Brown soil with stones,brick,clinker	Chrysotile (Cement)	n/t	n/t	n/t	n/t
147866	0.30	BH106	Brown soil with stones	No asbestos detected	n/t	n/t	n/t	n/t
147867	1.00	BH106	Brown soil with stones,brick,clinker,glass	No asbestos detected	n/t	n/t	n/t	n/t
147868	0.50	BH105	Brown soil with stones and clinker	No asbestos detected	n/t	n/t	n/t	n/t
147870	6.50	BH105	Chalky soil	No asbestos detected	n/t	n/t	n/t	n/t
147871	7.00	BH105	Chalk	No asbestos detected	n/t	n/t	n/t	n/t
147872	0.50	BH103	Brown soil with stones	No asbestos detected	n/t	n/t	n/t	n/t
147873	1.00	BH103	Brown soil with stones,clinker,glass,rust,metal	No asbestos detected	n/t	n/t	n/t	n/t
147874	2.50	BH103	Brown soil	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 18-19233

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Aliphatic hydrocarbons in leachate	N		05/09/2018		GC-FID
Aliphatic/Aromatic hydrocarbons in leach	N		05/09/2018		GC-FID
Ammonia in soil	N	As submitted sample	31/08/2018		
Aromatic hydrocarbons in leachate	N		05/09/2018		GC-FID
Carbon in leachates	N		05/09/2018		IR
Cyanide (L) in solids in leachates	N		04/09/2018		Colorimetry
Elemental Sulphur by HPLC in leachates	N	On prepared leachate	05/09/2018		HPLC
Phenols in leachates	N		04/09/2018		HPLC
Sulphide in solids in leachates	N		04/09/2018		Colorimetry
pH of leachates	N		04/09/2018		Electromeric
Metals by ICP in leachates	N		04/09/2018	101	ICPMS
Sulphide	N	As submitted sample	29/08/2018	109	Colorimetry
Hexavalent chromium	N	As submitted sample	29/08/2018	110	Colorimetry
Acid Soluble Sulphate	U	Air dried sample	30/08/2018	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	29/08/2018	118	ICPMS
Phenols in solids	N	As submitted sample	29/08/2018	121	HPLC
Elemental Sulphur	M	Air dried sample	29/08/2018	122	HPLC
PAH (GC-FID)	M	As submitted sample	29/08/2018	133	GC-FID
PAHs and/or PCBs in leachates	N		05/09/2018	135	GC-MS
SVOC in solids	N	As submitted sample	29/08/2018	167	GC-MS
Water soluble anions	M	Air dried sample	29/08/2018	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	29/08/2018	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	29/08/2018	181	GC-MS
VOC in solids	M	As submitted sample	29/08/2018	181	GC-MS
Low range Aliphatic hydrocarbons leachat	N		05/09/2018	200	GC-MS
Low range Aromatic hydrocarbons leachate	N		05/09/2018	200	GC-MS
BTEX in leachates	N		05/09/2018	200A	GC-MS
Water soluble boron	N	Air dried sample	29/08/2018	202	Colorimetry
Total cyanide	M	As submitted sample	29/08/2018	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	29/08/2018	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/08/2018	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	29/08/2018	214	GC-FID
Anions in leachates	N		04/09/2018	270	Ion Chromatography
Asbestos identification	U	Air dried sample	29/08/2018	PMAN	Microscopy
Leachate					
Arsenic*	N		31/08/2018	101	ICPMS
Cadmium*	N		31/08/2018	101	ICPMS
Chromium*	N		31/08/2018	101	ICPMS
Lead*	N		31/08/2018	101	ICPMS
Nickel*	N		31/08/2018	101	ICPMS
Copper*	N		31/08/2018	101	ICPMS
Zinc*	N		31/08/2018	101	ICPMS
Mercury*	N		31/08/2018	101	ICPMS
Selenium*	N		31/08/2018	101	ICPMS
Antimony	N		31/08/2018	101	ICPMS
Barium*	N		31/08/2018	101	ICPMS
Molybdenum*	N		31/08/2018	101	ICPMS
pH Value*	N		31/08/2018	113	Electrometric
Electrical Conductivity*	N		31/08/2018	136	Probe
Dissolved Organic Carbon	N		31/08/2018	102	TOC analyser
Chloride*	N		31/08/2018	131	Ion Chromatography
Fluoride*	N		31/08/2018	131	Ion Chromatography
Sulphate*	N		31/08/2018	131	Ion Chromatography
Total Dissolved Solids	N		31/08/2018	144	Gravimetric
Phenol index	N		31/08/2018	121	HPLC
WAC Solids analysis	N				
pH Value**	M	Air dried sample	30/08/2018	113	Electrometric
Total Organic Carbon	N	Air dried sample	30/08/2018	210	IR
Loss on Ignition**	M	Air dried sample	31/08/2018	129	Gravimetric
Acid Neutralization Capacity to pH 7	N	Air dried sample	30/08/2018	NEN 737	Electrometric
Total BTEX**	M	As submitted sample	29/08/2018	181	GCMS
Mineral Oil**	U	As submitted sample	29/08/2018	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	29/08/2018	120	GCMS
Total PAH (17)**	N	As submitted sample	30/08/2018	133	GCFID

Tests marked N are not UKAS accredited

Report Information

Report No.: 18-19233

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)
Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618
Facsimile: (01424) 729911
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 18-19293

Issue: 1

Date of Issue: 06/09/2018

Contact: Tobias Smith

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex
BN6 9GL

Quotation No: Q14-00021

Order No: PO-0725

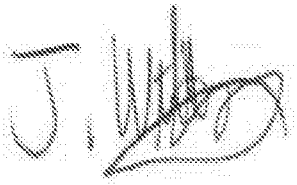
Customer Reference: GE17106

Date Received: 29/08/2018

Date Approved: 06/09/2018

Details: Cornfield Close, Littlehampton

Approved by:



John Wilson, Operations Manager

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

ARUN DISTRICT COUNCIL LU/330/18/PL

ELAB

Sample Summary

Report No.: 18-19293

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
148282	BH101d 7.00	28/08/2018	29/08/2018		
148283	BH102d 6.33	28/08/2018	29/08/2018		
148284	BH103d 6.60	28/08/2018	29/08/2018		
148285	BH104d 6.55	28/08/2018	29/08/2018		
148286	BH105d 6.80	28/08/2018	29/08/2018		
148287	BH106d 6.00	28/08/2018	29/08/2018		
148288	BH107d 6.48	28/08/2018	29/08/2018		
148289	BH108d 7.10	28/08/2018	29/08/2018		
148290	BH109d 6.30	28/08/2018	29/08/2018		
148291	BH110d 6.22	28/08/2018	29/08/2018		

ELAB

Results Summary

Report No.: 18-19293

ELAB Reference			148282	148283	148284	148285	148286
Customer Reference							
Sample ID							
Sample Type			WATER	WATER	WATER	WATER	WATER
Sample Location			BH101d	BH102d	BH103d	BH104d	BH105d
Sample Depth (m)			7.00	6.33	6.60	6.55	6.80
Sampling Date			28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**				
Dissolved Metals							
Arsenic	U	ug/l	5	7	< 5	< 5	< 5	< 5
Boron	N	ug/l	5	473	520	527	953	928
Barium	U	ug/l	5	143	59	146	165	143
Beryllium	U	ug/l	5	< 5	< 5	< 5	< 5	< 5
Cadmium	U	ug/l	1	< 1	< 1	< 1	< 1	< 1
Chromium	U	ug/l	5	< 5	< 5	< 5	< 5	< 5
Copper	U	ug/l	5	< 5	< 5	< 5	< 5	< 5
Mercury	U	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	U	ug/l	5	35	7	50	18	18
Lead	U	ug/l	1	< 1	< 1	< 1	< 1	< 1
Selenium	U	ug/l	5	< 5	< 5	7	< 5	17
Vanadium	N	ug/l	5	< 5	< 5	< 5	< 5	< 5
Zinc	U	ug/l	5	15	48	32	38	5
Anions							
Chloride	U	mg/l	0.5	27.1	37.5	34.2	15.5	320
Sulphate	U	mg/l	0.5	47.5	106	198	181	229
Inorganics							
Elemental Sulphur	N	mg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hexavalent Chromium	U	ug/l	100	< 100	< 100	< 100	< 100	< 100
Sulphide	N	mg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Miscellaneous							
Biochemical Oxygen Demand (5 day)	N	mg/l	2	4	< 2	8	3	3
Chemical Oxygen Demand	N	mg/l	2	12	3	27	8	12
Electrical Conductivity	U	uS/cm	1	1400	1290	1540	1520	2890
Dissolved organic carbon	U	mg/l	1.5	16	7.8	12	10	12
pH	U	pH units	0.1	6.7	6.9	6.8	6.7	6.8
Suspended Solids	N	mg/l	0.1	450	160	1800	18	340
Phenols							
Phenol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
M,P-Cresol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
O-Cresol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
3,4-Dimethylphenol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
2,3-Dimethylphenol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
2,3,5-trimethylphenol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
Total Monohydric Phenols	N	ug/l	1	< 1	< 1	< 1	< 1	< 1

ELAB

UKAS TESTING 2683

Results Summary

Report No.: 18-19293

ELAB Reference				148282	148283	148284	148285	148286
Customer Reference								
Sample ID								
Sample Type				WATER	WATER	WATER	WATER	WATER
Sample Location				BH101d	BH102d	BH103d	BH104d	BH105d
Sample Depth (m)				7.00	6.33	6.60	6.55	6.80
Sampling Date				28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**					
Polyaromatic hydrocarbons								
Naphthalene GCMS	N	ug/l	0.01	0.05	0.02	0.03	0.03	0.06
Acenaphthylene GCMS	N	ug/l	0.01	0.03	0.02	0.02	0.02	0.02
Acenaphthene GCMS	N	ug/l	0.01	0.10	< 0.01	< 0.01	< 0.01	0.01
Fluorene GCMS	N	ug/l	0.01	0.05	< 0.01	< 0.01	< 0.01	0.01
Phenanthrene GCMS	N	ug/l	0.01	0.04	0.04	0.03	0.05	0.03
Anthracene GCMS	N	ug/l	0.01	0.03	0.02	< 0.01	0.01	0.02
Fluoranthene GCMS	N	ug/l	0.01	0.02	0.04	0.03	< 0.01	0.02
Pyrene GCMS	N	ug/l	0.01	0.02	0.05	0.03	< 0.01	0.02
Benzo (a) anthracene GCMS	N	ug/l	0.01	0.01	0.05	0.01	< 0.01	0.01
Chrysene GCMS	N	ug/l	0.01	0.01	0.06	0.02	< 0.01	0.01
Benzo (b) fluoranthene GCMS	N	ug/l	0.01	0.02	0.04	0.01	< 0.01	0.02
Benzo (k) fluoranthene GCMS	N	ug/l	0.01	0.01	0.05	0.02	< 0.01	0.01
Benzo (a) pyrene GCMS	N	ug/l	0.01	0.01	0.05	0.02	< 0.01	0.01
Indeno (1,2,3-cd) pyrene GCMS	N	ug/l	0.01	0.01	0.02	0.01	< 0.01	0.01
Dibenzo(a,h)anthracene GCMS	N	ug/l	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01
Benzo(ghi)perylene GCMS	N	ug/l	0.01	0.02	0.04	0.03	0.01	0.02
Total PAH(16) GCMS	N	ug/l	0.01	0.46	0.53	0.30	0.20	0.30
TPH CWG								
>C5-C6 Aliphatic	N	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C6-C8 Aliphatic	N	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C8-C10 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C10-C12 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C12-C16 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C16-C21 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C21-C35 Aliphatic	N	ug/l	5	10.7	< 5.0	13.9	< 5.0	< 5.0
>C35-C40 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total (>C5-C40) Aliphatic	N	ug/l	5	10.7	< 5.0	13.9	< 5.0	< 5.0
>C5-C7 Aromatic	N	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C7-C8 Aromatic	N	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C8-C10 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	11.6	< 5.0
>C10-C12 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C12-C16 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C16-C21 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C21-C35 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C35-C40 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total (>C5-C40) Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	11.6	< 5.0
Total (>C5-C40) Ali/Aro	N	ug/l	5	10.7	< 5.0	13.9	11.6	< 5.0
PCB (ICES 7 congeners)								
PCB 28	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 52	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 101	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB118	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 153	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 138	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 180	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB (7 Congeners)	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Results Summary

Report No.: 18-19293

ELAB Reference			148287	148288	148289	148290	148291
Customer Reference							
Sample ID							
Sample Type			WATER	WATER	WATER	WATER	WATER
Sample Location			BH106d	BH107d	BH108d	BH109d	BH110d
Sample Depth (m)			6.00	6.48	7.10	6.30	6.22
Sampling Date			28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**				
Dissolved Metals							
Arsenic	U	ug/l	5	< 5	< 5	< 5	< 5	< 5
Boron	N	ug/l	5	402	976	402	1390	392
Barium	U	ug/l	5	51	78	51	63	76
Beryllium	U	ug/l	5	< 5	< 5	< 5	< 5	< 5
Cadmium	U	ug/l	1	< 1	< 1	< 1	< 1	< 1
Chromium	U	ug/l	5	< 5	< 5	< 5	< 5	< 5
Copper	U	ug/l	5	< 5	< 5	< 5	< 5	< 5
Mercury	U	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	U	ug/l	5	7	8	< 5	7	6
Lead	U	ug/l	1	< 1	< 1	< 1	< 1	< 1
Selenium	U	ug/l	5	5	< 5	5	33	< 5
Vanadium	N	ug/l	5	< 5	< 5	< 5	< 5	< 5
Zinc	U	ug/l	5	8	23	9	< 5	21
Anions							
Chloride	U	mg/l	0.5	237	27.4	71.9	286	64.1
Sulphate	U	mg/l	0.5	127	309	144	348	149
Inorganics							
Elemental Sulphur	N	mg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hexavalent Chromium	U	ug/l	100	< 100	< 100	< 100	< 100	< 100
Sulphide	N	mg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Miscellaneous							
Biochemical Oxygen Demand (5 day)	N	mg/l	2	2	3	< 2	6	2
Chemical Oxygen Demand	N	mg/l	2	3	7	4	20	5
Electrical Conductivity	U	uS/cm	1	1810	1740	1320	2740	1310
Dissolved organic carbon	U	mg/l	1.5	6.9	9.5	8.1	10	9.4
pH	U	pH units	0.1	7.2	6.7	6.9	7.0	6.9
Suspended Solids	N	mg/l	0.1	56	96	120	530	290
Phenols							
Phenol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
M,P-Cresol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
O-Cresol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
3,4-Dimethylphenol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
2,3-Dimethylphenol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
2,3,5-trimethylphenol	N	ug/l	1	< 1	< 1	< 1	< 1	< 1
Total Monohydric Phenols	N	ug/l	1	< 1	< 1	< 1	< 1	< 1

Tests marked N are not UKAS accredited.

ELAB

UKAS TESTING 2683

Results Summary

Report No.: 18-19293

ELAB Reference				148287	148288	148289	148290	148291
Customer Reference								
Sample ID								
Sample Type				WATER	WATER	WATER	WATER	WATER
Sample Location				BH106d	BH107d	BH108d	BH109d	BH110d
Sample Depth (m)				6.00	6.48	7.10	6.30	6.22
Sampling Date				28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**					
Polyaromatic hydrocarbons								
Naphthalene GCMS	N	ug/l	0.01	0.02	0.04	0.03	0.06	0.03
Acenaphthylene GCMS	N	ug/l	0.01	0.02	0.03	0.02	0.06	0.02
Acenaphthene GCMS	N	ug/l	0.01	< 0.01	< 0.01	< 0.01	0.07	< 0.01
Fluorene GCMS	N	ug/l	0.01	< 0.01	0.01	< 0.01	0.06	< 0.01
Phenanthrene GCMS	N	ug/l	0.01	0.05	0.05	0.03	0.33	0.03
Anthracene GCMS	N	ug/l	0.01	0.02	0.02	< 0.01	0.16	0.01
Fluoranthene GCMS	N	ug/l	0.01	0.05	0.02	0.02	0.73	0.04
Pyrene GCMS	N	ug/l	0.01	0.05	0.02	0.02	0.93	0.03
Benzo (a) anthracene GCMS	N	ug/l	0.01	0.03	0.01	0.01	0.30	0.02
Chrysene GCMS	N	ug/l	0.01	0.04	0.01	0.01	0.40	0.02
Benzo (b) fluoranthene GCMS	N	ug/l	0.01	0.04	0.02	0.01	0.20	0.02
Benzo (k) fluoranthene GCMS	N	ug/l	0.01	0.05	0.01	0.01	0.39	0.02
Benzo (a) pyrene GCMS	N	ug/l	0.01	0.04	0.01	0.01	0.35	0.01
Indeno (1,2,3-cd) pyrene GCMS	N	ug/l	0.01	0.02	0.01	< 0.01	0.13	0.01
Dibenzo(a,h)anthracene GCMS	N	ug/l	0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01
Benzo(ghi)perylene GCMS	N	ug/l	0.01	0.04	0.02	0.01	0.20	0.02
Total PAH(16) GCMS	N	ug/l	0.01	0.49	0.31	0.21	4.41	0.32
TPH CWG								
>C5-C6 Aliphatic	N	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C6-C8 Aliphatic	N	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C8-C10 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	10.7	< 5.0
>C10-C12 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	11.6	< 5.0
>C12-C16 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C16-C21 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C21-C35 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	13.4	< 5.0
>C35-C40 Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total (>C5-C40) Aliphatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	35.7	< 5.0
>C5-C7 Aromatic	N	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C7-C8 Aromatic	N	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C8-C10 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	10.9	< 5.0
>C10-C12 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C12-C16 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C16-C21 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C21-C35 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
>C35-C40 Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total (>C5-C40) Aromatic	N	ug/l	5	< 5.0	< 5.0	< 5.0	10.9	< 5.0
Total (>C5-C40) Ali/Aro	N	ug/l	5	< 5.0	< 5.0	< 5.0	46.7	< 5.0
PCB (ICES 7 congeners)								
PCB 28	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 52	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 101	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB118	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 153	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 138	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB 180	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PCB (7 Congeners)	N	ug/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

ELAB

Results Summary

Report No.: 18-19293

		ELAB Reference	148282	148283	148284	148285	148286	148287	148288	148289	148290	148291
		Customer Reference										
		Sample ID										
		Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sample Location	BH101d	BH102d	BH103d	BH104d	BH105d	BH106d	BH107d	BH108d	BH109d	BH110d
		Sample Depth (m)	7.00	6.33	6.60	6.55	6.80	6.00	6.46	7.10	6.30	6.22
		Sampling Date	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**									
VOC												
MTBE	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Heptane	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Octane	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Nonane	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m+p-xylene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-xylene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-dichloroethene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloromethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroetha	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylethylbenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloro-1-propene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans - 1-2 -dichloroethylene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloro-1-propene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloro-1-propene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromoethane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Propylbenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorotoluene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
t-butylbenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-methylpropylbenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-cymene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Butylbenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-2-3 - Trichlorobenzene	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-2-4 - Trichlorobenzene	N	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	U	ug/l	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

ELAB

Results Summary

Report No.: 18-19293

			ELAB Reference	148282	148283	148284	148285	148286
			Customer Reference					
			Sample ID					
			Sample Type	WATER	WATER	WATER	WATER	WATER
			Sample Location	BH101d	BH102d	BH103d	BH104d	BH105d
			Sample Depth (m)	7.00	6.33	6.60	6.55	6.80
			Sampling Date	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**					
SVOC								
Phenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Aniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bis(2-chloroethyl)ether	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Chlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,3-Dichlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Benzyl Alcohol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Methylphenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bis(2-chloroisopropyl)ether	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
3 and 4-methylphenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
N-Nitrosodi-n-propylamine	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Hexachloroethane	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Nitrobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Isophorone	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Nitrophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,4-Dimethylphenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bis(2-chloroethoxy)methane	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,4-Dichlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,3,5-Trichlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Naphthalene	N	ug/l	0.01	0.06	0.03	0.03	0.04	0.06
3-Chloroaniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Hexachloro-1,3-butadiene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
4-Chloro-3-methylphenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Methynaphthalene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-Methylnaphthalene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Hexachlorocyclopentadiene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,4,6-Trichlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,4,5-Trichlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-Chloronaphthalene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Nitroaniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dinitrobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dimethyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-3-dinitrobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-6-dinitrotoluene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

ELAB

Results Summary

Report No.: 18-19293

			ELAB Reference	148282	148283	148284	148285	148286
			Customer Reference					
			Sample ID					
			Sample Type	WATER	WATER	WATER	WATER	WATER
			Sample Location	BH101d	BH102d	BH103d	BH104d	BH105d
			Sample Depth (m)	7.00	6.33	6.60	6.55	6.80
			Sampling Date	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**					
SVOC								
Acenaphthylene	N	ug/l	0.01	0.02	0.01	0.01	< 0.01	0.02
1,2-Dinitrobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
3-Nitroaniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Acenaphthene	N	ug/l	0.01	0.11	< 0.01	0.01	< 0.01	0.02
4-nitrophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibenzofuran	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,3,5,6-Tetrachlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,3,4,6-Tetrachlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Diethyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-chloro-4-phenoxybenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Fluorene	N	ug/l	0.01	0.05	< 0.01	< 0.01	< 0.01	0.01
4-Nitroaniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dinitro-o-cresol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Diphenylamine	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Azobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-bromo-4-phenoxybenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Hexachlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Pentachlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Phenanthrene	N	ug/l	0.01	0.03	0.03	0.02	0.03	0.03
Anthracene	N	ug/l	0.01	0.02	0.01	< 0.01	< 0.01	0.01
Carbazole	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibutyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Fluoranthene	N	ug/l	0.01	0.03	0.03	0.03	< 0.01	0.02
Pyrene	N	ug/l	0.01	0.03	0.04	0.03	< 0.01	0.02
Butyl benzyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bis-2-ethylhexyladipate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Butyl benzyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Benzo(a)anthracene	N	ug/l	0.01	0.01	0.04	0.01	< 0.01	0.01
Chrysene	N	ug/l	0.01	0.01	0.06	0.02	< 0.01	0.01
Bis(2-ethylhexyl)phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Benzo(b)fluoranthene	N	ug/l	0.01	0.01	0.05	0.02	< 0.01	0.02
Benzo(k)fluoranthene	N	ug/l	0.01	0.01	0.06	0.02	< 0.01	< 0.01
Benzo(a)pyrene	N	ug/l	0.01	< 0.01	0.04	0.02	< 0.01	< 0.01
Indeno(1,2,3-CD)pyrene	N	ug/l	0.01	0.01	0.02	0.01	< 0.01	0.01
Dibenz(ah)anthracene	N	ug/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	N	ug/l	0.01	0.02	0.04	0.03	0.01	0.02

Results Summary

Report No.: 18-19293

			ELAB Reference	148287	148288	148289	148290	148291
			Customer Reference					
			Sample ID					
			Sample Type	WATER	WATER	WATER	WATER	WATER
			Sample Location	BH106d	BH107d	BH108d	BH109d	BH110d
			Sample Depth (m)	6.00	6.48	7.10	6.30	6.22
			Sampling Date	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**					
SVOC								
Phenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Aniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bis(2-chloroethyl)ether	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Chlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,3-Dichlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Benzyl Alcohol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Methylphenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bis(2-chloroisopropyl)ether	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
3 and 4-methylphenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
N-Nitrosodi-n-propylamine	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Hexachloroethane	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Nitrobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Isophorone	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Nitrophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,4-Dimethylphenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bis(2-chloroethoxy)methane	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,4-Dichlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,3,5-Trichlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Naphthalene	N	ug/l	0.01	0.03	0.05	0.03	0.06	0.04
3-Chloroaniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Hexachloro-1,3-butadiene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
4-Chloro-3-methylphenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Methynaphthalene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-Methylnaphthalene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Hexachlorocyclopentadiene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,4,6-Trichlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,4,5-Trichlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-Chloronaphthalene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-Nitroaniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dinitrobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dimethyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-3-dinitrobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2-6-dinitrotoluene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

ELAB

Results Summary

Report No.: 18-19293

			ELAB Reference	148287	148288	148289	148290	148291
			Customer Reference					
			Sample ID					
			Sample Type	WATER	WATER	WATER	WATER	WATER
			Sample Location	BH106d	BH107d	BH108d	BH109d	BH110d
			Sample Depth (m)	6.00	6.48	7.10	6.30	6.22
			Sampling Date	28/08/2018	28/08/2018	28/08/2018	28/08/2018	28/08/2018
Determinand	**Codes**	**Units**	**LOD**					
SVOC								
Acenaphthylene	N	ug/l	0.01	0.02	0.02	0.01	0.05	0.02
1,2-Dinitrobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
3-Nitroaniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Acenaphthene	N	ug/l	0.01	< 0.01	0.01	< 0.01	0.07	0.01
4-nitrophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibenzofuran	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,3,5,6-Tetrachlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
2,3,4,6-Tetrachlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Diethyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-chloro-4-phenoxybenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Fluorene	N	ug/l	0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01
4-Nitroaniline	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dinitro-o-cresol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Diphenylamine	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Azobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1-bromo-4-phenoxybenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Hexachlorobenzene	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Pentachlorophenol	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Phenanthrene	N	ug/l	0.01	0.03	0.04	0.02	0.21	0.02
Anthracene	N	ug/l	0.01	0.01	0.01	< 0.01	0.10	< 0.01
Carbazole	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibutyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Fluoranthene	N	ug/l	0.01	0.04	0.03	0.02	0.59	0.03
Pyrene	N	ug/l	0.01	0.04	0.02	0.02	0.82	0.03
Butyl benzyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bis-2-ethylhexyladipate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Butyl benzyl phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Benzo(a)anthracene	N	ug/l	0.01	0.03	< 0.01	0.01	0.30	0.01
Chrysene	N	ug/l	0.01	0.04	0.02	0.01	0.45	0.02
Bis(2-ethylhexyl)phthalate	N	ug/l	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Benzo(b)fluoranthene	N	ug/l	0.01	0.05	0.02	0.01	0.28	0.02
Benzo(k)fluoranthene	N	ug/l	0.01	0.05	0.01	< 0.01	0.34	0.02
Benzo(a)pyrene	N	ug/l	0.01	0.03	0.01	< 0.01	0.35	0.02
Indeno(1,2,3-CD)pyrene	N	ug/l	0.01	0.02	0.01	< 0.01	0.13	0.01
Dibenz(ah)anthracene	N	ug/l	0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01
Benzo(ghi)perylene	N	ug/l	0.01	0.04	0.03	0.01	0.20	0.02

ELAB

UKAS
3883

Method Summary

Report No.: 18-19293

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Water					
Aliphatic/Aromatic hydrocarbons in water	N		04/09/2018		GC-FID
Aromatic hydrocarbons in water	N		04/09/2018		GC-FID
Phenols in waters	N		31/08/2018		HPLC
Dissolved metals by ICP in waters	U		31/08/2018	101	ICPMS
Dissolved organic carbon	U		04/09/2018	102	IR
pH of waters	U		31/08/2018	113	Electromeric
Chromium Hexavalent in waters	U		04/09/2018	123	Colorimetry
PAHs and/or PCBs in waters	N		03/09/2018	135	GC-MS
Electrical conductivity of water	U		31/08/2018	136	Electromeric
BOD	N		06/09/2018	142	5 Day
COD (Chemical Oxygen Demand in waters)	N		06/09/2018	143	Colorimetry
Suspended Solids in waters	N		04/09/2018	155	Gravimetry
SVOC in waters	N		03/09/2018	167	GC-MS
PAHs and/or PCBs in waters	N		03/09/2018	170	GC-MS
Low range Aliphatic hydrocarbons water	N		03/09/2018	200	GC-MS
Low range Aromatic hydrocarbons water	N		03/09/2018	200	GC-MS
VOC in waters	U		31/08/2018	200	GC-MS
Elemental Sulphur by HPLC in waters	N		03/09/2018	206	HPLC
Aliphatic hydrocarbons in water	N		03/09/2018	215	GC-FID
Aromatic hydrocarbons in water	N		03/09/2018	215	GC-FID
Anions	U		31/08/2018	270	Ion Chromatography

Tests marked N are not UKAS accredited

Report Information

Report No.: 18-19293

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)
Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

ARUN DISTRICT COUNCIL LU/330/18/PL

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?	
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal
1	Arsenic	3.24E+01	8.50E+01	NR	1.00	0.38	NR	NR	No	No
2	Cadmium	5.45E+00	2.87E+01	5.17E+00	0.91	0.10	1.00	NR	Yes	Yes
3	Chromium III	1.99E+04	3.55E+03	3.01E+03	0.15	0.85	1.00	NR	No	No
4	Mercury, inorganic	1.81E+02	2.55E+03	1.69E+02	0.93	0.07	1.00	NR	No	No
5	Nickel	5.31E+02	1.27E+02	NR	0.14	1.00	NR	NR	Yes	Yes
6	Copper	7.81E+03	1.04E+04	5.20E+03	0.50	0.50	1.00	NR	Yes	No
7	Zinc	1.94E+04	2.55E+07	1.94E+04	1.00	0.00	1.00	NR	Yes	No
8	Selenium	3.50E+02	NR	NR	1.00	NR	NR	NR	Yes	No
9	Chromium VI	4.89E+01	NR	NR	1.00	NR	NR	NR	Yes	No
10	Barium	1.33E+03	NR	NR	1.00	NR	NR	NR	Yes	No
11	Beryllium	1.48E+02	5.10E+01	4.12E+01	0.19	0.81	1.00	NR	Yes	No
12	Vanadium	1.15E+03	6.08E+02	1.07E+02	0.90	0.10	1.00	NR	Yes	Yes
13	Phenol	3.12E+03	5.23E+02	4.19E+02	0.20	0.80	1.00	1.83E+05 (vap)	No	No
14	Acenaphthylene	6.95E+03	1.82E+04	5.54E+03	0.95	0.05	1.00	5.10E+02 (sol)	No	No
15	Acenaphthene	1.07E+03	2.13E+04	1.01E+03	0.95	0.05	1.00	3.39E+02 (sol)	No	No
16	Flourene	6.05E+02	2.23E+04	7.77E+02	0.97	0.03	1.00	1.84E+02 (sol)	No	No
17	Phenanthrene	3.83E+02	2.23E+04	3.76E+02	0.98	0.02	1.00	2.18E+02 (sol)	No	No
18	Anthracene	9.37E+03	4.86E+05	9.20E+03	0.98	0.02	1.00	7.01E+00 (vap)	No	No
19	Flouranthene	6.78E+02	1.09E+05	6.75E+02	0.99	0.01	1.00	1.14E+02 (vap)	No	No
20	Pyrene	1.57E+03	2.94E+05	1.56E+03	0.99	0.01	1.00	1.33E+01 (vap)	No	No

ARUN DISTRICT COUNCIL LU/330/18/PL

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?	
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal
21	Benz(a)anthracene	1.01E+01	1.24E+01	5.78E+00	0.57	0.43	1.00	1.03E+01 (sol)	No	No
22	Chrysene	1.41E+01	2.71E+01	9.28E+00	0.66	0.34	1.00	2.66E+00 (vap)	No	No
23	Benzo(b)flouranthene	1.07E+01	2.04E+01	7.01E+00	0.66	0.34	1.00	7.34E+00 (sol)	No	No
24	Benzo(k)flouranthene	1.53E+01	3.90E+01	1.00E+01	0.65	0.35	1.00	4.15E+00 (sol)	No	No
25	Benzo(a)pyrene	1.52E+00	2.89E+00	9.87E-01	0.65	0.35	1.00	5.50E+00 (vap)	No	No
26	Indeno(123-cd)pyrene	6.37E+00	1.22E+01	4.18E+00	0.66	0.34	1.00	3.71E-01 (vap)	No	No
27	Dibenz(ah)anthracene	1.38E+00	2.55E+00	9.02E-01	0.65	0.35	1.00	2.37E-02 (vap)	No	No
28	Benzo(ghi)perylene	7.19E+01	1.34E+02	4.88E+01	0.65	0.35	1.00	9.30E-02 (vap)	No	No
29										
30										

ARUN DISTRICT COUNCIL LU/330/18/PL

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?	
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal
1	Ar>EC5-EC7	3.91E+02	3.29E+03	3.51E+02	0.90	0.10	1.00	4.96E+03 (sol)	No	No
2	Ar>EC7-EC8	7.73E+02	3.88E+04	7.19E+02	0.93	0.07	1.00	4.46E+03 (vap)	No	No
3	Ar>EC8-EC10	2.88E+02	6.04E+02	3.44E+02	0.75	0.25	1.00	3.61E+03 (vap)	Yes	Yes
4	Ar>EC10-EC12	3.90E+02	3.21E+03	3.77E+02	0.94	0.06	1.00	2.17E+03 (sol)	Yes	Yes
5	Ar>EC12-EC16	8.04E+02	2.87E+04	8.01E+02	0.99	0.01	1.00	1.01E+03 (sol)	Yes	Yes
6	Ar>EC16-EC21	7.72E+02	NR	NR	1.00	NR	NR	3.23E+02 (vap)	Yes	No
7	Ar>EC21-EC35	1.23E+03	NR	NR	1.00	NR	NR	2.92E+01 (sol)	Yes	No
8	Ar>EC35-EC44	1.23E+03	NR	NR	1.00	NR	NR	2.92E+01 (sol)	Yes	No
9										
10	Al EC5-EC6	2.35E+04	3.48E+02	3.47E+02	0.01	0.99	1.00	1.13E+03 (sol)	Yes	Yes
11	Al >EC6-EC8	6.19E+04	1.16E+03	1.16E+03	0.01	0.99	1.00	7.38E+02 (sol)	Yes	Yes
12	Al >EC8-EC9	3.30E+03	3.44E+02	3.35E+02	0.05	0.95	1.00	4.53E+02 (vap)	Yes	Yes
13	Al >EC10-EC12	1.28E+03	1.73E+03	7.05E+02	0.22	0.78	1.00	2.85E+02 (vap)	Yes	Yes
14	Al >EC12-EC16	4.11E+03	1.43E+04	3.03E+03	0.84	0.16	1.00	1.43E+02 (sol)	Yes	Yes
15	Al >EC16-EC35	8.84E+04	NR	NR	1.00	NR	NR	5.12E+01 (sol)	Yes	No
16	Al >EC35-EC44	8.84E+04	NR	NR	1.00	NR	NR	5.12E+01 (sol)	Yes	No
17										
18										
19										
20										

Client/client ref: Robertson Client
Project ref: GE17109
Site ref: Comrade Close, Littlehampton
Data description:
Contaminant(s):
Test scenario: Planning
Date: 14 September 2018
User details: AP

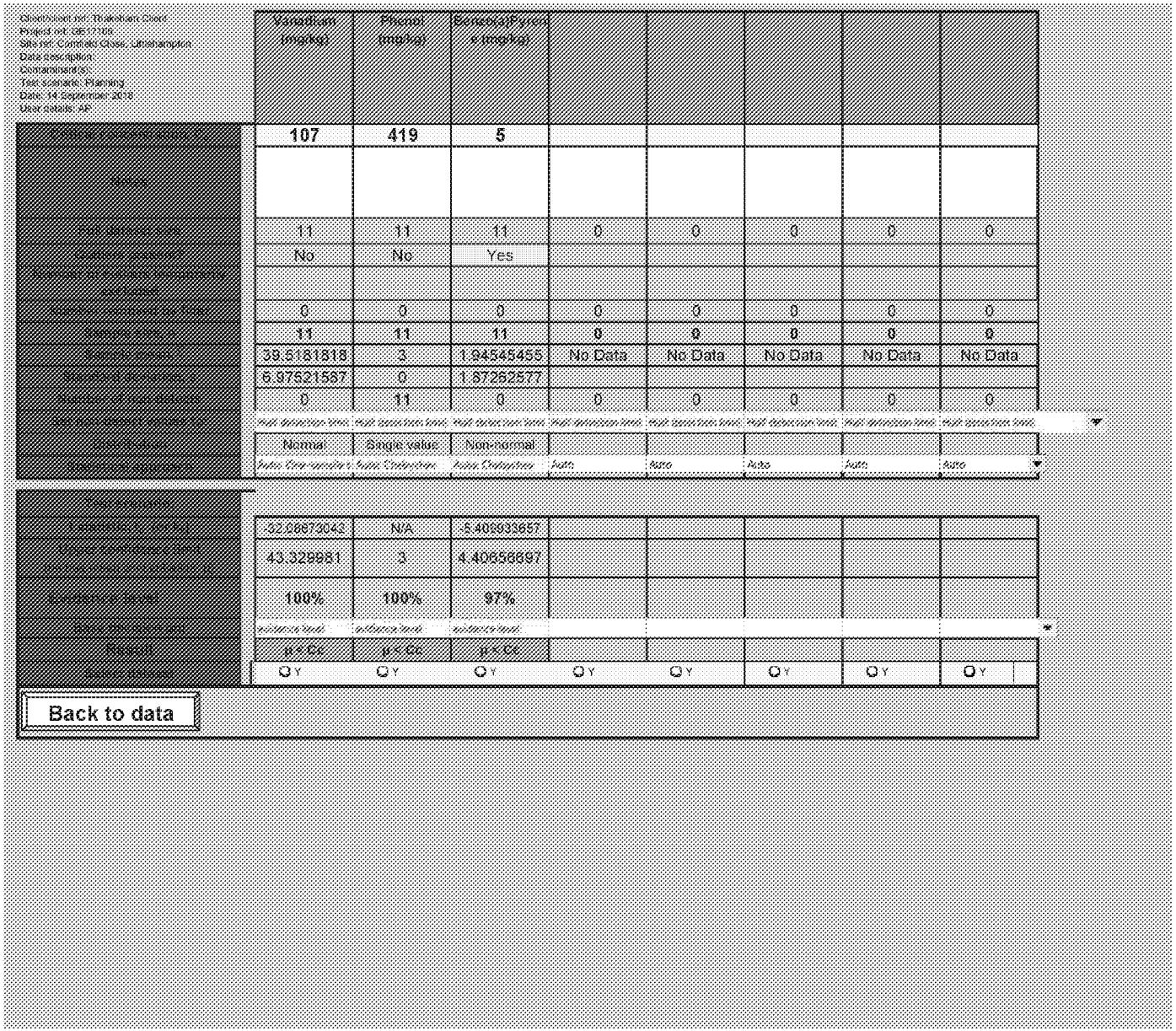
	Lead (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium III (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Copper (mg/kg)	Zinc (mg/kg)	Selenium (mg/kg)	Chromium VI (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)
Soil SGV / Assessment criteria (Cc)	200	37	26	3010	169	127	5200	19400	350	21	1330	41.2
Mean												
Number of samples (n)	11	11	11	11	11	11	11	11	11	11	11	11
Data set contains outliers?	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	No
Number of outliers	0											
Number of samples below LOD	0	0	0	0	0	0	0	0	0	0	0	0
Number of results	11	11	11	11	11	11	11	11	11	11	11	11
Minimum value	172.172727	14.8454548	1.22272727	30.1090909	0.42727273	23.9727273	72.9727273	358.590909	0.5	0.4	250.690909	0.96363636
Maximum value	181.752046	3.32035047	2.81818768	7.34771455	0.38494382	6.42200762	80.0150372	595.183535	0	5.8221E-17	353.590193	0.42958754
Number of non-detects	0	0	7	0	8	0	0	0	11	11	0	4
Non-detect handling	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit
Data distribution	Non-normal	Normal	Non-normal	Normal	Non-normal	Normal	Non-normal	Non-normal	Single value	Non-normal	Non-normal	Normal
Action required	Auto: Outliers	Auto: Test sample	Auto: Outliers	Auto: Test sample	Auto: Outliers	Auto: Test sample	Auto: Outliers	Auto: Outliers	Auto: Outliers	Auto: Outliers	Auto: Outliers	Auto: Test sample

Planning or Test mean lower than critical concentration (μ < Cc)? *

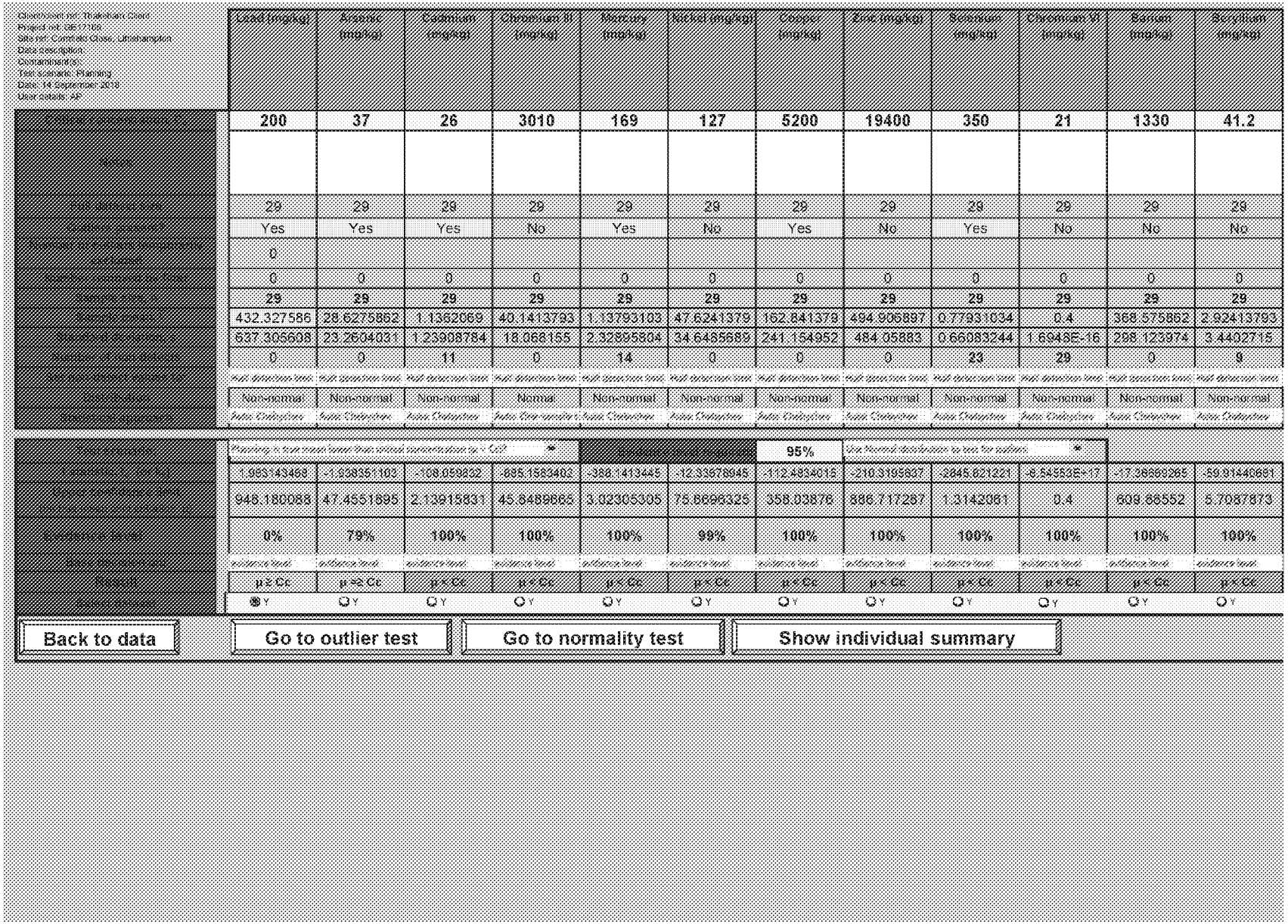
						95%	Use Normal distribution to test for outliers *				
95% UCL of mean	-0.507784133	-22.12868838	-29.1594905	-1345.086592	-1452.399852	-83.20800741	-212.5153784	-106.1071177	N/A	-1.1735E+18	-10.12376291	-310.644301
95% UPL of mean	411.041713	16.6599517	4.92655152	34.1244522	0.93318615	27.4822105	178.133089	1140.61532	0.5	0.4	715.399466	1.19839633
Probability of exceedance	20%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	100%
Action level	evidence level	evidence level	evidence level	evidence level	evidence level	evidence level	evidence level	evidence level	evidence level	evidence level	evidence level	evidence level
Result	μ ≥ Cc	μ < Cc	μ < Cc	μ < Cc	μ < Cc	μ < Cc	μ < Cc	μ < Cc	μ < Cc	μ < Cc	μ < Cc	μ < Cc
Select	◉ Y	○ Y	○ Y	○ Y	○ Y	○ Y	○ Y	○ Y	○ Y	○ Y	○ Y	○ Y

Back to data | Go to outlier test | Go to normality test | Show individual summary

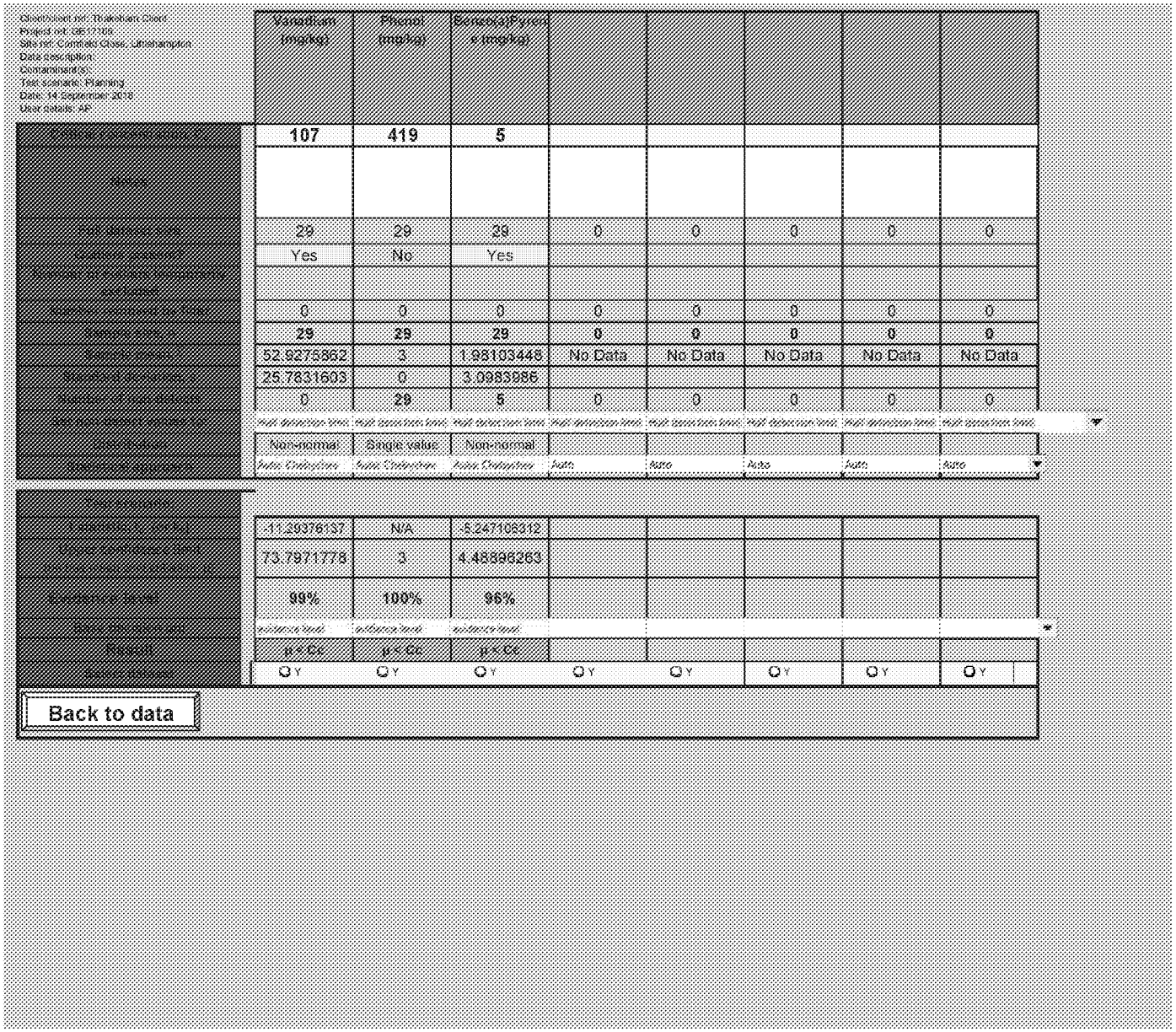
ARUN DISTRICT COUNCIL LU/330/18/PL

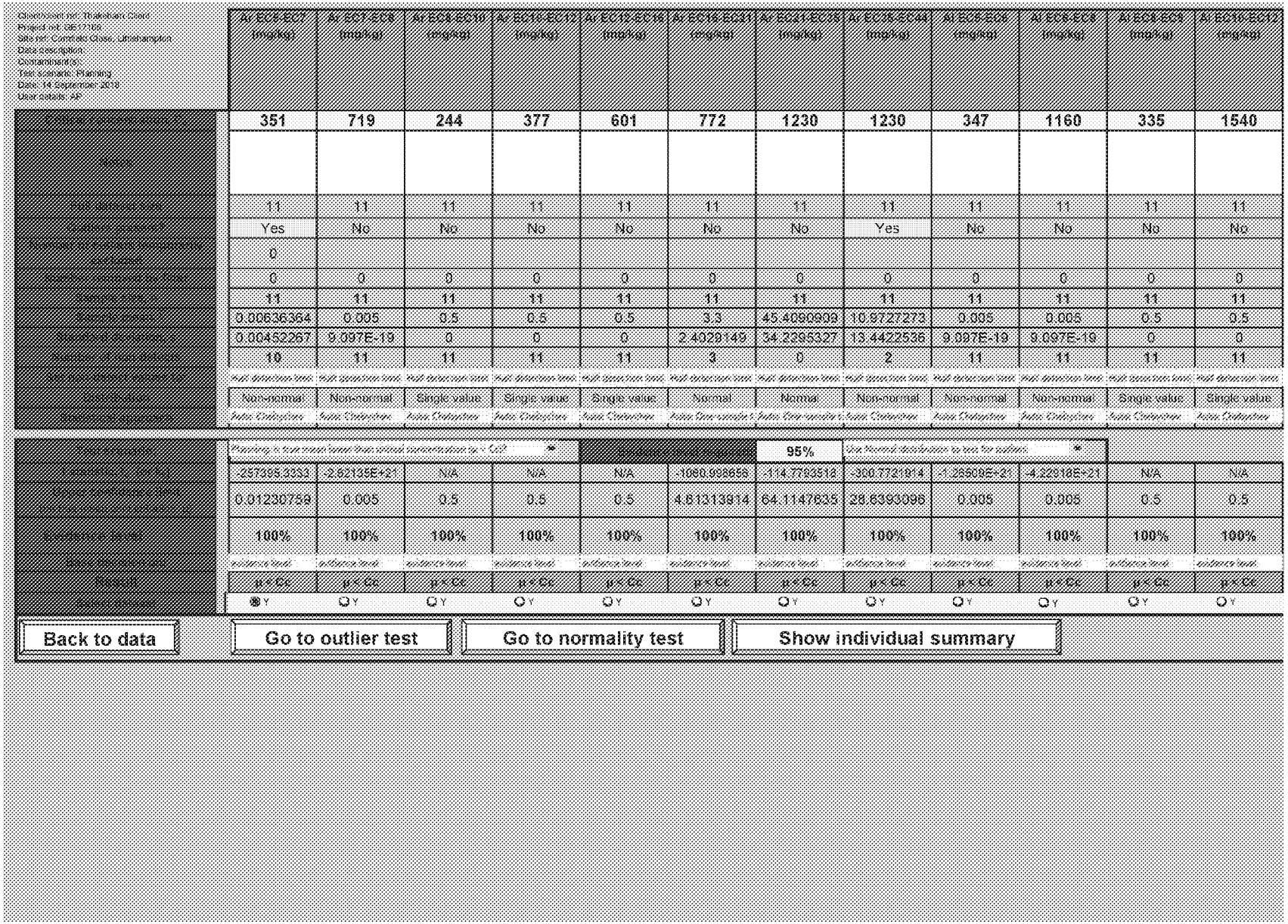


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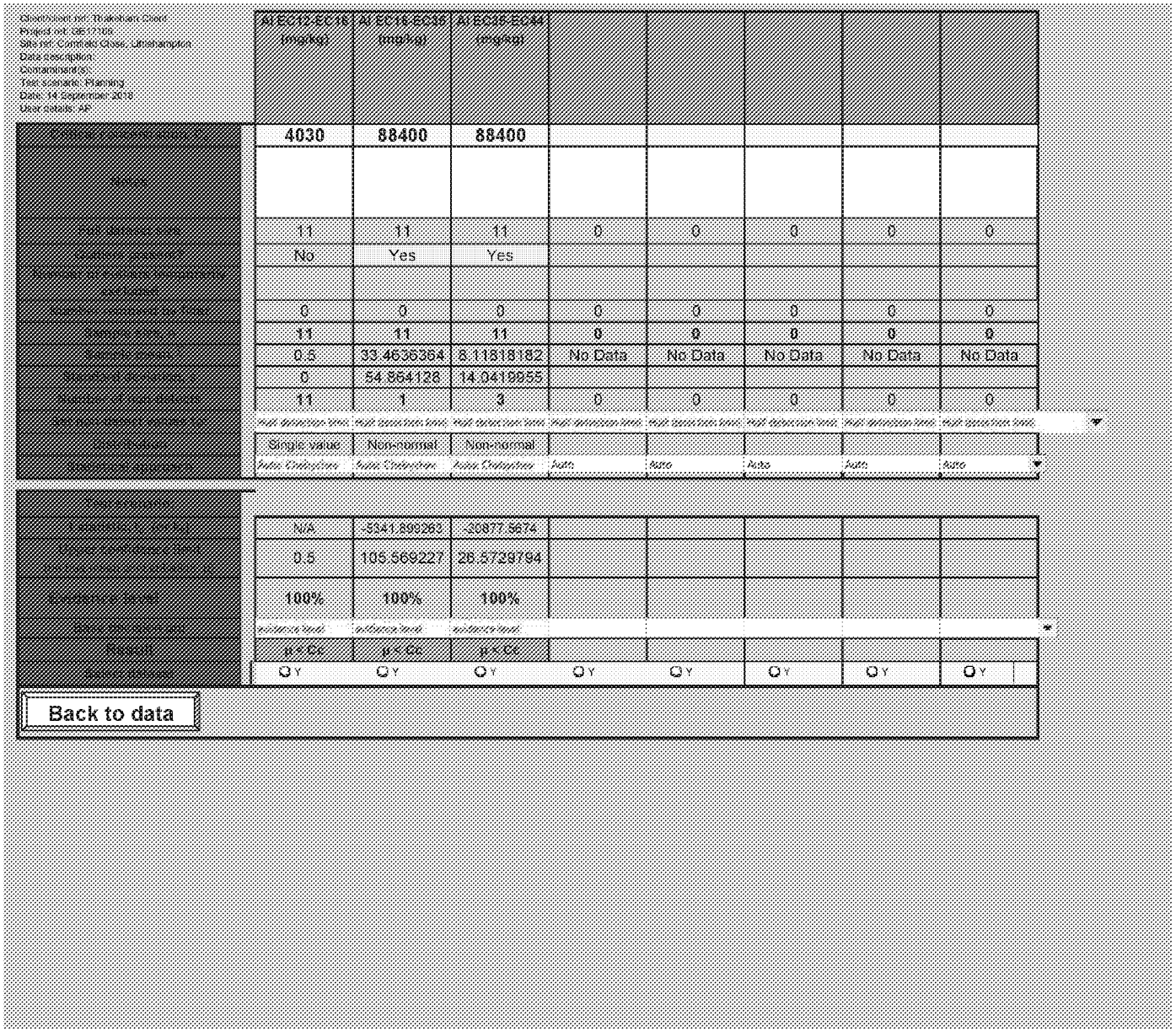


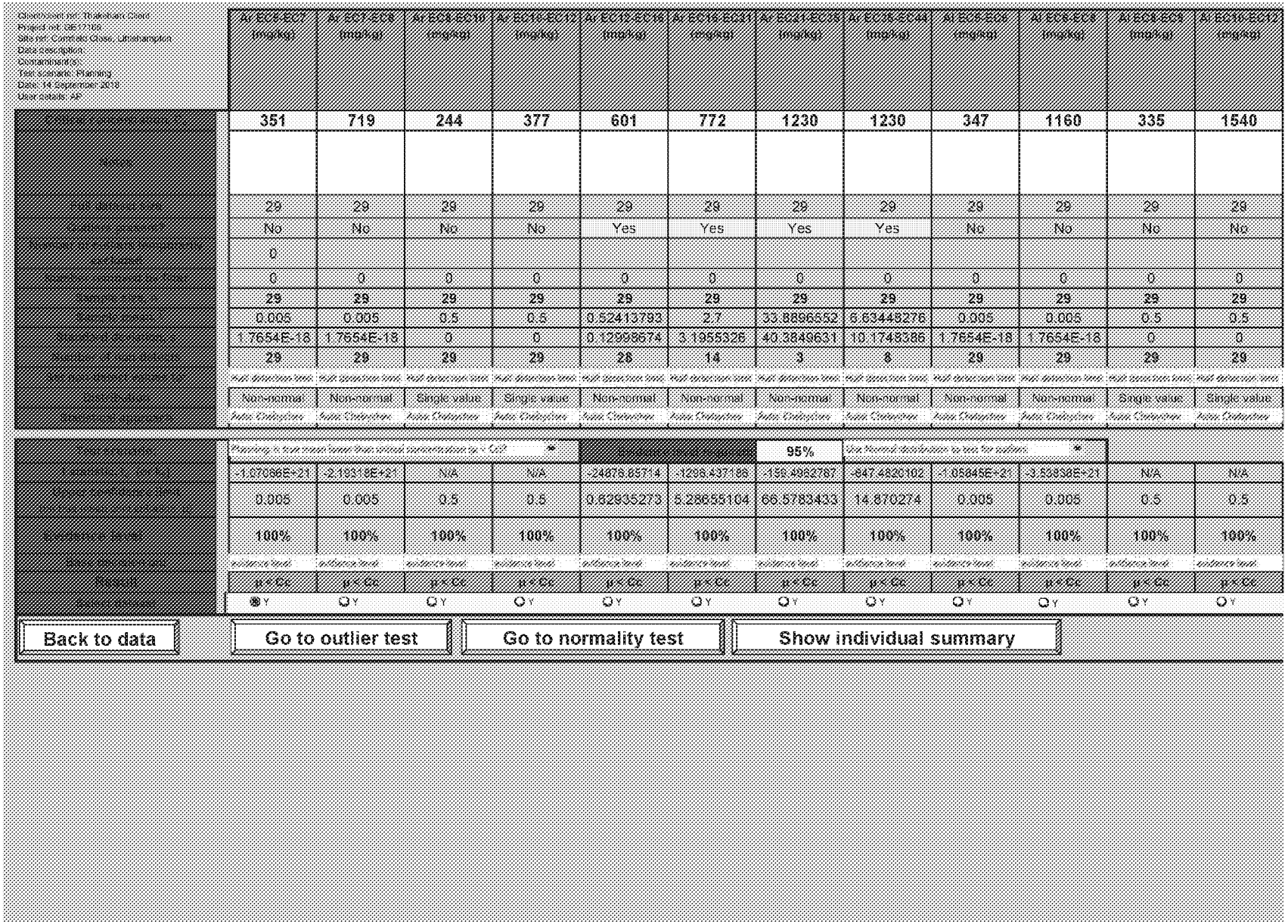
ARUN DISTRICT COUNCIL LU/330/18/PL



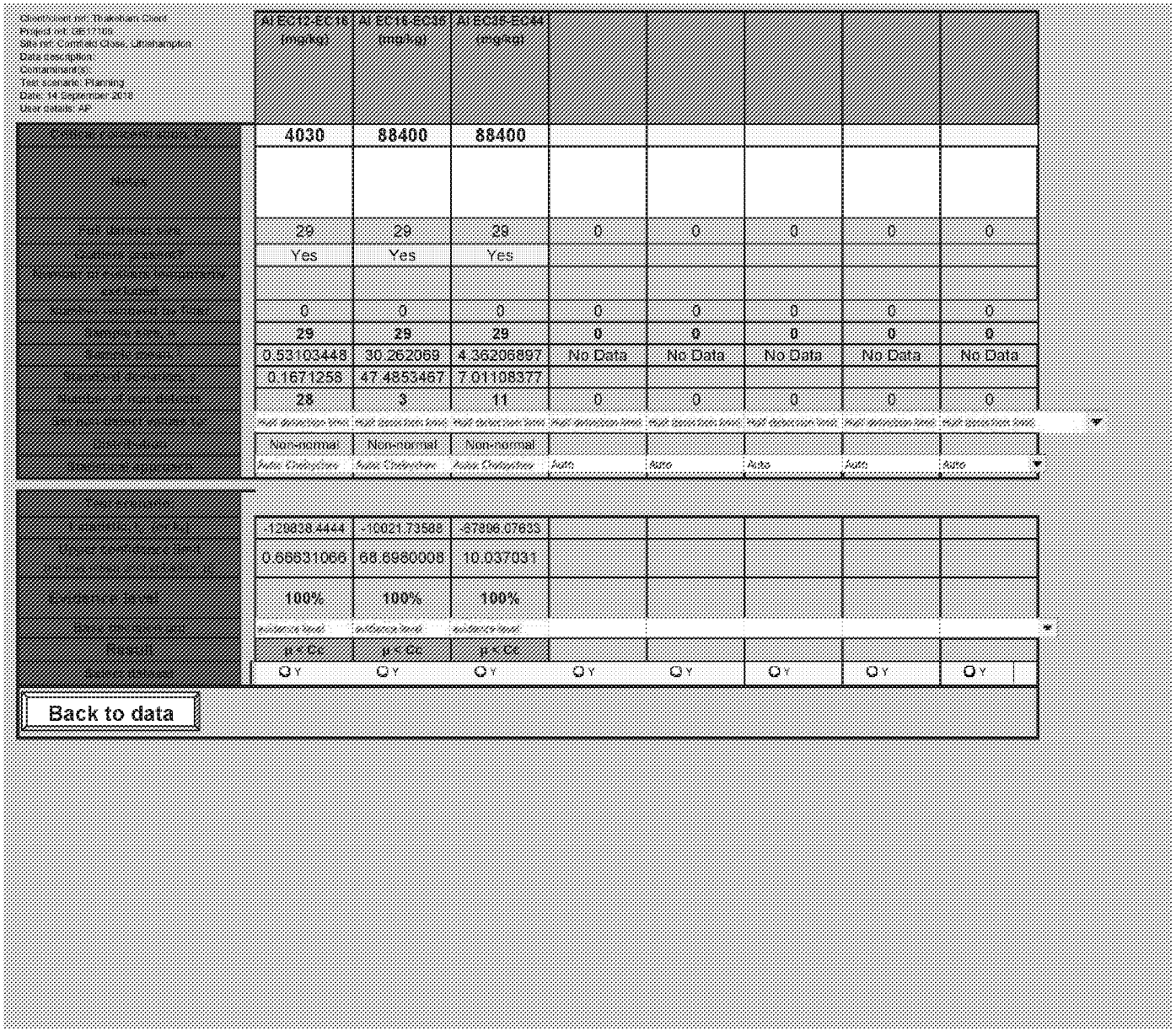

Client/client ref: Robertson Client
Project ref: GE17109
Site ref: Comrade Close, Littlehampton
Data description:
Contaminant(s):
Test scenario: Planning
Date: 14 September 2018
User details: AF
Ar EC5-EC7 (mg/kg)
Ar EC7-EC8 (mg/kg)
Ar EC8-EC10 (mg/kg)
Ar EC10-EC12 (mg/kg)
Ar EC12-EC16 (mg/kg)
Ar EC16-EC21 (mg/kg)
Ar EC21-EC35 (mg/kg)
Ar EC35-EC44 (mg/kg)
Ar EC5-EC6 (mg/kg)
Ar EC6-EC8 (mg/kg)
Ar EC8-EC9 (mg/kg)
Ar EC10-EC12 (mg/kg)
351 719 244 377 601 772 1230 1230 347 1160 335 1540
11 11 11 11 11 11 11 11 11 11 11 11
Yes No No No No No No Yes No No No No
0 0 0 0 0 0 0 0 0 0 0 0
11 11 11 11 11 11 11 11 11 11 11 11
0.00636364 0.005 0.5 0.5 0.5 3.3 45.4090909 10.8727273 0.005 0.005 0.5 0.5
0.00452267 9.097E-19 0 0 0 2.4029149 34.2295327 13.4422536 9.097E-19 9.097E-19 0 0
10 11 11 11 11 3 0 2 11 11 11 11
Non-normal Non-normal Single value Single value Single value Normal Normal Non-normal Non-normal Non-normal Single value Single value
95%
-257398.3333 -2.62135E+21 N/A N/A N/A -1060.998658 -114.7783513 -300.7721914 -1.26508E+21 -4.22916E+21 N/A N/A
0.01230759 0.005 0.5 0.5 0.5 4.61313914 64.1147635 28.6393096 0.005 0.005 0.5 0.5
100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
μ < Cc μ < Cc μ < Cc μ < Cc μ < Cc μ < Cc μ < Cc μ < Cc μ < Cc μ < Cc μ < Cc μ < Cc
Y Y Y Y Y Y Y Y Y Y Y Y
Back to data
Go to outlier test
Go to normality test
Show individual summary

ARUN DISTRICT COUNCIL LU/330/18/PL




Client/client ref: Robertson Client
Project ref: GE17109
Site ref: Comrade Close, Littlehampton
Data description:
Contaminant(s):
Test scenario: Planning
Date: 14 September 2018
User details: AF
Ar EC5-EC7 (mg/kg)
Ar EC7-EC8 (mg/kg)
Ar EC8-EC10 (mg/kg)
Ar EC10-EC12 (mg/kg)
Ar EC12-EC16 (mg/kg)
Ar EC16-EC21 (mg/kg)
Ar EC21-EC35 (mg/kg)
Ar EC35-EC44 (mg/kg)
Ar EC5-EC6 (mg/kg)
Ar EC6-EC8 (mg/kg)
Ar EC8-EC9 (mg/kg)
Ar EC10-EC12 (mg/kg)
351
719
244
377
601
772
1230
1230
347
1160
335
1540
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0.5
0.52413793
2.7
33.8896552
6.63448276
0.005
0.005
0.5
0.5
1.7654E-18
1.7654E-18
0
0
0.12998674
3.1955326
40.3849631
10.1748386
1.7654E-18
1.7654E-18
0
0
29
29
29
29
28
14
3
8
29
29
29
29
Non-normal
Non-normal
Single value
Single value
Non-normal
Non-normal
Non-normal
Non-normal
Non-normal
Non-normal
Single value
Single value
95%
-1.07086E+21
-2.19318E+21
N/A
N/A
-24878.85714
-1298.437186
-159.4962787
-647.4820102
-1.05845E+21
-3.53836E+21
N/A
N/A
0.005
0.005
0.5
0.5
0.62935273
5.28655104
66.5783433
14.870274
0.005
0.005
0.5
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100%
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μ < Cc
μ < Cc
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Y
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Y
Back to data
Go to outlier test
Go to normality test
Show individual summary

ARUN DISTRICT COUNCIL LU/330/18/PL



APPENDIX D

Ground Gas Monitoring Results

ARUN DISTRICT COUNCIL LU/330/18/PL

Project: Cornfield Close, Littlehampton
Ref: GE17106
Client: Thakeham

Location	Date	Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
												BS8485 & C665		Flow	CH_4	CO_2	CH_4		CO_2	
										CH_4	CO_2	CH_4	CO_2				GSV	Conc.	GSV	Conc.
bh101d	28/08/18	10	2.8	11.0	3.0	3.0	0.1	1015	7.00	0.084	0.330	CS2	CS2	NO	NO	NO	GREEN	AMBER 1	GREEN	AMBER 2
bh101d	28/08/18	20	4.0	15.6	2.8	3.0	0.10	1015	7.00	0.120	0.468	CS2	CS2	NO	NO	NO	GREEN	AMBER 1	GREEN	AMBER 2
bh101d	28/08/18	30	4.4	16.3	1.3	3.0	0.10	1015	7.00	0.132	0.489	CS2	CS2	NO	NO	NO	AMBER 1	AMBER 1	GREEN	AMBER 2
bh101d	28/08/18	60	4.6	16.9	0.6	3.0	0.10	1015	7.00	0.138	0.507	CS2	CS2	NO	NO	NO	AMBER 1	AMBER 1	GREEN	AMBER 2
bh101d	28/08/18	120	4.7	17.3	0.7	3.0	0.10	1015	7.00	0.141	0.519	CS2	CS2	NO	NO	NO	AMBER 1	AMBER 1	GREEN	AMBER 2
bh101s	28/08/18	10	6.0	14.0	4.0	0.0	0.5	1015	dry	0.000	0.000	CS1	CS1	NO	CH4>CS1 limit	CO2>CS1 limit	GREEN	AMBER 2	GREEN	AMBER 2
bh101s	28/08/18	20	7.6	19.0	0.1	0.0	0.50	1015	dry	0.000	0.000	CS1	CS1	NO	CH4>CS1 limit	CO2>CS1 limit	GREEN	AMBER 2	GREEN	AMBER 2
bh101s	28/08/18	30	8.4	19.2	0.0	0.0	0.50	1015	dry	0.000	0.000	CS1	CS1	NO	CH4>CS1 limit	CO2>CS1 limit	GREEN	AMBER 2	GREEN	AMBER 2
bh101s	28/08/18	60	8.5	19.4	0.0	0.0	0.50	1015	dry	0.000	0.000	CS1	CS1	NO	CH4>CS1 limit	CO2>CS1 limit	GREEN	AMBER 2	GREEN	AMBER 2
bh101s	28/08/18	120	8.4	19.4	0.0	0.0	0.50	1015	dry	0.000	0.000	CS1	CS1	NO	CH4>CS1 limit	CO2>CS1 limit	GREEN	AMBER 2	GREEN	AMBER 2
bh102d	28/08/18	10	0.0	9.7	10.3	0.0	2.5	1015	6.33	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh102d	28/08/18	20	0.0	13.0	7.3	0.0	2.50	1015	6.33	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 2
bh102d	28/08/18	30	0.0	13.4	6.8	0.0	2.50	1015	6.33	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 2
bh102d	28/08/18	60	0.0	13.5	6.7	0.0	2.50	1015	6.33	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 2
bh102d	28/08/18	120	0.0	13.6	6.8	0.0	2.50	1015	6.33	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 2
bh102s	28/08/18	10	0.0	5.0	10.0	0.9	0.6	1015	dry	0.000	0.045	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
bh102s	28/08/18	20	0.0	13.0	6.2	0.9	0.60	1015	dry	0.000	0.117	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 2
bh102s	28/08/18	30	0.0	13.1	6.1	0.9	0.60	1015	dry	0.000	0.118	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 2
bh102s	28/08/18	60	0.0	13.2	6.0	0.9	0.60	1015	dry	0.000	0.119	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 2
bh102s	28/08/18	120	0.0	13.3	6.0	0.9	0.60	1015	dry	0.000	0.120	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 2
bh103s	28/08/18	10	0.0	6.0	13.7	0.0	0.6	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh103s	28/08/18	20	0.0	8.2	11.9	0.0	0.60	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh103s	28/08/18	30	0.0	8.4	11.5	0.0	0.60	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh103s	28/08/18	60	0.0	8.7	11.3	0.0	0.60	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh103s	28/08/18	120	0.0	8.7	11.3	0.0	0.60	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh103d	28/08/18	10	0.0	3.3	16.4	0.0	0.3	1017	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	28/08/18	20	0.0	2.6	16.9	0.0	0.30	1017	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	28/08/18	30	0.0	2.6	17.1	0.0	0.30	1017	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	28/08/18	60	0.0	2.6	17.1	0.0	0.30	1017	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	28/08/18	120	0.0	2.6	17.0	0.0	0.30	1017	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104d	28/08/18	10	0.0	4.0	14.0	0.0	1.8	1015	6.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104d	28/08/18	20	0.0	4.9	13.3	0.0	1.80	1015	6.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104d	28/08/18	30	0.0	5.0	13.2	0.0	1.80	1015	6.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
bh104d	28/08/18	60	0.0	5.1	13.1	0.0	1.80	1015	6.55	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh104d	28/08/18	120	0.0	5.2	13.0	0.0	1.80	1015	6.55	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh104s	28/08/18	10	0.0	2.3	16.8	0.0	0.3	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104s	28/08/18	20	0.0	2.4	16.5	0.0	0.30	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104s	28/08/18	30	0.0	2.5	16.3	0.0	0.30	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104s	28/08/18	60	0.0	2.6	16.2	0.0	0.30	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104s	28/08/18	120	0.0	2.8	16.0	0.0	0.30	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh105d	28/08/18	10	0.0	7.0	12.0	0.0	2.5	1014	6.80	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh105d	28/08/18	20	0.0	8.0	10.5	0.0	2.50	1014	6.80	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh105d	28/08/18	30	0.0	9.2	10.3	0.0	2.50	1014	6.80	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh105d	28/08/18	60	0.0	9.3	10.1	0.0	2.50	1014	6.80	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh105d	28/08/18	120	0.0	9.7	9.8	0.0	2.50	1014	6.80	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh105s	20/08/18	10	0.0	5.7	11.9	0.0	0.1	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh105s	20/08/18	20	0.0	7.0	11.2	0.0	0.10	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh105s	20/08/18	30	0.0	7.1	10.9	0.0	0.10	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1

Project: Cornfield Close, Littlehampton
Ref: GE17106
Client: Thakeham

Location	Date	Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation BS8485 & C665		CS1 Limiting Value Check			NHBC			
										CH_4	CO_2	CH_4	CO_2	Flow	CH_4	CO_2	CH_4 GSV	CH_4 Conc.	CO_2 GSV	CO_2 Conc.
bh105s	20/08/18	60	0.0	7.3	10.7	0.0	0.10	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh105s	20/08/18	120	0.0	8.0	10.2	0.0	0.10	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh106d	28/08/18	10	0.0	4.0	15.0	0.0	2.5	1016	6.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	28/08/18	20	0.0	4.6	13.9	0.0	2.50	1016	6.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	28/08/18	30	0.0	4.6	13.9	0.0	2.50	1016	6.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	28/08/18	60	0.0	4.6	13.8	0.0	2.50	1016	6.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	28/08/18	120	0.0	4.6	13.7	0.0	2.50	1016	6.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106s	28/08/18	10	0.0	5.6	15.6	0.0	0.6	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh106s	28/08/18	20	0.0	5.8	14.7	0.0	0.60	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh106s	28/08/18	30	0.0	5.9	14.6	0.0	0.60	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh106s	28/08/18	60	0.0	6.0	14.6	0.0	0.60	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh106s	28/08/18	120	0.0	6.0	14.5	0.0	0.60	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh107s	28/08/18	10	0.0	3.4	17.0	0.0	0.6	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107s	28/08/18	20	0.0	3.9	16.0	0.0	0.60	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107s	28/08/18	30	0.0	4.0	15.9	0.0	0.60	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107s	28/08/18	60	0.0	4.1	15.7	0.0	0.60	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107s	28/08/18	120	0.0	4.2	15.6	0.0	0.60	1015	dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107d	28/08/18	10	0.0	5.9	15.0	0.0	0.3	1015	6.48	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh107d	28/08/18	20	0.0	6.2	13.9	0.0	0.30	1015	6.48	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh107d	28/08/18	30	0.0	6.3	13.6	0.0	0.30	1015	6.48	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh107d	28/08/18	60	0.0	6.3	13.8	0.0	0.30	1015	6.48	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh107d	28/08/18	120	0.0	6.3	13.7	0.0	0.30	1015	6.48	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh108d	28/08/18	10	0.0	1.8	17.0	0.0	3.2	1016	7.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	28/08/18	20	0.0	1.2	18.8	0.0	3.20	1016	7.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	28/08/18	30	0.0	0.9	19.1	0.0	3.20	1016	7.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	28/08/18	60	0.0	0.9	19.1	0.0	3.20	1016	7.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	28/08/18	120	0.0	0.8	19.2	0.0	3.20	1016	7.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108s	28/08/18	10	0.0	9.0	10.6	0.0	0.2	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh108s	28/08/18	20	0.0	10.2	9.5	0.0	0.20	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 2
bh108s	28/08/18	30	0.0	10.4	9.4	0.0	0.20	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 2
bh108s	28/08/18	60	0.0	10.5	9.4	0.0	0.20	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 2
bh108s	28/08/18	120	0.0	10.7	9.3	0.0	0.20	1016	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 2
bh109d	28/08/18	10	0.0	1.4	18.4	0.0	0.2	1014	6.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109d	28/08/18	20	0.0	0.9	18.9	0.0	0.20	1014	6.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109d	28/08/18	30	0.0	0.8	19.3	0.0	0.20	1014	6.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109d	28/08/18	60	0.0	0.7	19.4	0.0	0.20	1014	6.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109d	28/08/18	120	0.0	0.7	19.3	0.0	0.20	1014	6.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109s	28/08/18	10	0.0	5.3	10.8	0.0	0.0	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh109s	28/08/18	20	0.0	5.8	10.3	0.0	0.00	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh109s	28/08/18	30	0.0	5.7	10.2	0.0	0.00	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh109s	28/08/18	60	0.0	6.0	9.8	0.0	0.00	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh109s	28/08/18	120	0.0	6.5	8.9	0.0	0.00	1014	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110d	28/08/18	10	0.0	6.0	12.5	0.0	0.6	1017	6.22	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110d	28/08/18	20	0.0	6.6	12.3	0.0	0.60	1017	6.22	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110d	28/08/18	30	0.0	6.7	12.3	0.0	0.60	1017	6.22	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110d	28/08/18	60	0.0	6.0	13.9	0.0	0.60	1017	6.22	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110d	28/08/18	120	0.0	6.0	13.9	0.0	0.60	1017	6.22	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110s	28/08/18	10	0.0	5.2	15.4	0.0	0.0	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1

ARUN DISTRICT COUNCIL LU/330/18/PL

Project: Cornfield Close, Littlehampton
Ref: GE17106
Client: Thakeham

Location	Date	Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation BS8485 & C665		CS1 Limiting Value Check			NHBC			
										CH_4	CO_2	CH_4	CO_2	Flow	CH_4	CO_2	CH_4 GSV	CH_4 Conc.	CO_2 GSV	CO_2 Conc.
bh110s	28/08/18	20	0.0	5.4	15.1	0.0	0.00	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110s	28/08/18	30	0.0	5.4	15.1	0.0	0.00	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110s	28/08/18	60	0.0	5.4	15.1	0.0	0.00	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh110s	28/08/18	120	0.0	5.8	14.6	0.0	0.00	1017	dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
bh101d	19/10/18	10							6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh101d	19/10/18	20				-	-	-	6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh101d	19/10/18	30				-	-	-	6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh101d	19/10/18	60				-	-	-	6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh101d	19/10/18	120				-	-	-	6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh102d	19/10/18	10							6.40	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh102d	19/10/18	20				-	-	-	6.40	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh102d	19/10/18	30				-	-	-	6.40	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh102d	19/10/18	60				-	-	-	6.40	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh102d	19/10/18	120				-	-	-	6.40	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	19/10/18	10							6.43	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	19/10/18	20				-	-	-	6.43	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	19/10/18	30				-	-	-	6.43	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	19/10/18	60				-	-	-	6.43	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh103d	19/10/18	120				-	-	-	6.43	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104d	19/10/18	10							6.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104d	19/10/18	20				-	-	-	6.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104d	19/10/18	30				-	-	-	6.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104d	19/10/18	60				-	-	-	6.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh104d	19/10/18	120				-	-	-	6.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh105d	19/10/18	10							6.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh105d	19/10/18	20				-	-	-	6.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh105d	19/10/18	30				-	-	-	6.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh105d	19/10/18	60				-	-	-	6.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh105d	19/10/18	120				-	-	-	6.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	19/10/18	10							5.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	19/10/18	20				-	-	-	5.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	19/10/18	30				-	-	-	5.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	19/10/18	60				-	-	-	5.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh106d	19/10/18	120				-	-	-	5.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107d	19/10/18	10							6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107d	19/10/18	20				-	-	-	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107d	19/10/18	30				-	-	-	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107d	19/10/18	60				-	-	-	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh107d	19/10/18	120				-	-	-	6.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	19/10/18	10							6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	19/10/18	20				-	-	-	6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	19/10/18	30				-	-	-	6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	19/10/18	60				-	-	-	6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh108d	19/10/18	120				-	-	-	6.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109d	19/10/18	10							6.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109d	19/10/18	20				-	-	-	6.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109d	19/10/18	30				-	-	-	6.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh109d	19/10/18	60				-	-	-	6.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

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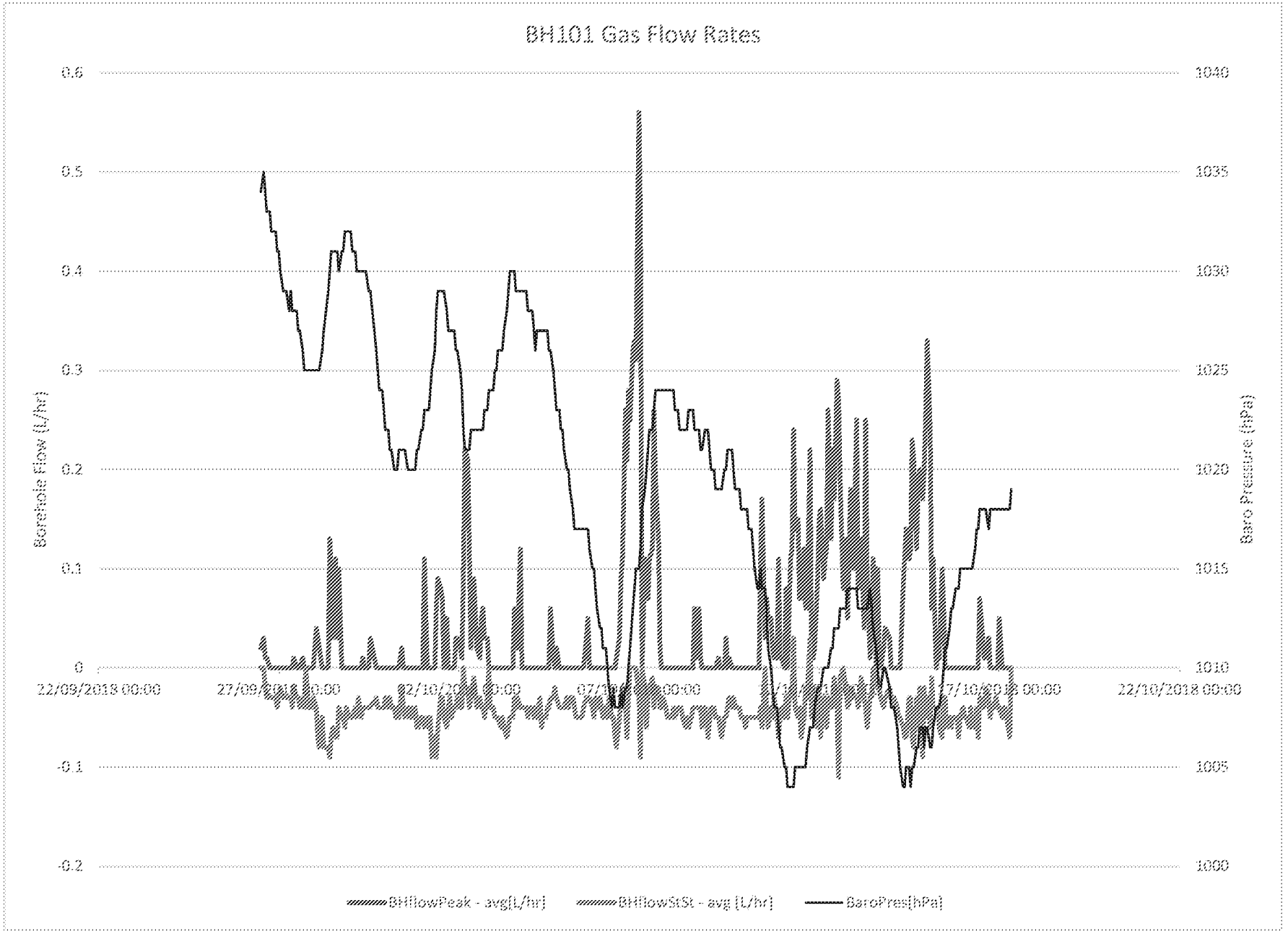
Project: Cornfield Close, Littlehampton
Ref: GE17106
Client: Thakeham

Location	Date	Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH_4	CO_2	BS8485 & C665		Flow	CH_4	CO_2	CH_4		CO_2	
												CH_4	CO_2				GSV	Conc.	GSV	Conc.
bh109d	19/10/18	120				-	-	-	6.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh110d	19/10/18	10							6.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh110d	19/10/18	20				-	-	-	6.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh110d	19/10/18	30				-	-	-	6.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh110d	19/10/18	60				-	-	-	6.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
bh110d	19/10/18	120				-	-	-	6.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
Max values			8.5	19.4	19.4	3.0	3.2	1017.0		0.255	0.582	CS2	CS2	NO	NO	NO	AMBER 1	AMBER 2	GREEN	AMBER 2
Min Vaules			0.0	0.7	0.0	0.0	0.0	1014.0		0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
BH Flow LoD check			8.5	19.4	19.4	0.1	3.2	1017.0		0.009	0.019	CS1	CS1	NO	CH4>CS1 limit	CO2>CS1 limit	GREEN	AMBER 2	GREEN	AMBER 2

APPENDIX E

Continuous Ground Gas Monitoring Results, Charts & Plots

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH101

Time	BHflowPeak - avg[L/hr]	BHflowPeak- Max - [L/hr]	BHflowPeak - min - [L/hr]	BHflowStSt - avg [L/hr]	BHflowStSt - max - [L/hr]	BHflowStSt - min - [L/hr]	BaroPres[hPa]
26/09/2018 12:00	0.02	0.02	0.02	0	0	0	1034
26/09/2018 14:00	0.03	0.03	0.03	0	0	0	1035
26/09/2018 15:00	0.01	0.01	0.01	-0.02	-0.02	-0.02	1034
26/09/2018 16:00	0.01	0.01	0.01	-0.03	-0.03	-0.03	1033
26/09/2018 18:00	0	0	0	-0.03	-0.03	-0.03	1033
26/09/2018 19:00	0	0	0	-0.03	-0.03	-0.03	1032
26/09/2018 20:00	0	0	0	-0.03	-0.03	-0.03	1032
26/09/2018 22:00	0	0	0	-0.03	-0.03	-0.03	1032
26/09/2018 23:00	0	0	0	-0.04	-0.04	-0.04	1031
27/09/2018 00:00	0	0	0	-0.03	-0.03	-0.03	1031
27/09/2018 01:00	0	0	0	-0.02	-0.02	-0.02	1030
27/09/2018 03:00	0	0	0	-0.03	-0.03	-0.03	1029
27/09/2018 04:00	0	0	0	-0.03	-0.03	-0.03	1029
27/09/2018 05:00	0	0	0	-0.03	-0.03	-0.03	1029
27/09/2018 07:00	0	0	0	-0.03	-0.03	-0.03	1028
27/09/2018 08:00	0	0	0	-0.03	-0.03	-0.03	1029
27/09/2018 09:00	0	0	0	-0.04	-0.04	-0.04	1028
27/09/2018 10:00	0.01	0.01	0.01	-0.02	-0.02	-0.02	1028
27/09/2018 12:00	0	0	0	-0.03	-0.03	-0.03	1028
27/09/2018 13:00	0	0	0	-0.03	-0.03	-0.03	1027
27/09/2018 14:00	0	0	0	-0.04	-0.04	-0.04	1027
27/09/2018 16:00	0.01	0.01	0.01	-0.03	-0.03	-0.03	1026
27/09/2018 17:00	0	0	0	-0.04	-0.04	-0.04	1025
27/09/2018 18:00							1025
27/09/2018 20:00	0	0	0	-0.04	-0.04	-0.04	1025
27/09/2018 21:00	0	0	0	-0.04	-0.04	-0.04	1025
27/09/2018 22:00	0	0	0	-0.04	-0.04	-0.04	1025
27/09/2018 23:00	0	0	0	-0.03	-0.03	-0.03	1025
28/09/2018 01:00	0.04	0.04	0.04	-0.04	-0.04	-0.04	1025
28/09/2018 02:00	0.03	0.03	0.03	-0.07	-0.07	-0.07	1025
28/09/2018 03:00	0.02	0.02	0.02	-0.08	-0.08	-0.08	1025
28/09/2018 05:00	0	0	0	-0.05	-0.05	-0.05	1026
28/09/2018 06:00	0	0	0	-0.08	-0.08	-0.08	1027
28/09/2018 09:00	0	0	0	-0.08	-0.08	-0.08	1029
28/09/2018 10:00	0.13	0.13	0.13	-0.09	-0.09	-0.09	1030
28/09/2018 11:00	0.1	0.1	0.1	-0.07	-0.07	-0.07	1031
28/09/2018 12:00	0.03	0.03	0.03	-0.06	-0.06	-0.06	1031
28/09/2018 14:00	0.11	0.11	0.11	-0.07	-0.07	-0.07	1031

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28/09/2018 15:00	0.03	0.03	0.03	-0.07	-0.07	-0.07	1031
28/09/2018 16:00	0.1	0.1	0.1	-0.04	-0.04	-0.04	1030
28/09/2018 18:00	0	0	0	-0.05	-0.05	-0.05	1031
28/09/2018 19:00	0	0	0	-0.05	-0.05	-0.05	1031
28/09/2018 20:00	0	0	0	-0.06	-0.06	-0.06	1032
28/09/2018 21:00	0	0	0	-0.04	-0.04	-0.04	1032
28/09/2018 23:00	0	0	0	-0.05	-0.05	-0.05	1032
29/09/2018 00:00	0	0	0	-0.05	-0.05	-0.05	1032
29/09/2018 01:00	0	0	0	-0.05	-0.05	-0.05	1031
29/09/2018 03:00	0	0	0	-0.04	-0.04	-0.04	1031
29/09/2018 04:00	0	0	0	-0.05	-0.05	-0.05	1030
29/09/2018 05:00	0	0	0	-0.03	-0.03	-0.03	1030
29/09/2018 07:00	0	0	0	-0.05	-0.05	-0.05	1030
29/09/2018 08:00	0.01	0.01	0.01	-0.04	-0.04	-0.04	1030
29/09/2018 09:00	0	0	0	-0.04	-0.04	-0.04	1030
29/09/2018 10:00	0	0	0	-0.04	-0.04	-0.04	1030
29/09/2018 12:00	0	0	0	-0.04	-0.04	-0.04	1029
29/09/2018 13:00	0.03	0.03	0.03	-0.04	-0.04	-0.04	1029
29/09/2018 17:00	0	0	0	-0.03	-0.03	-0.03	1026
29/09/2018 18:00	0	0	0	-0.04	-0.04	-0.04	1025
29/09/2018 19:00	0	0	0	-0.04	-0.04	-0.04	1024
29/09/2018 21:00	0	0	0	-0.04	-0.04	-0.04	1024
29/09/2018 22:00	0	0	0	-0.04	-0.04	-0.04	1023
29/09/2018 23:00	0	0	0	-0.03	-0.03	-0.03	1022
30/09/2018 01:00	0	0	0	-0.04	-0.04	-0.04	1022
30/09/2018 02:00	0	0	0	-0.03	-0.03	-0.03	1021
30/09/2018 03:00	0	0	0	-0.04	-0.04	-0.04	1021
30/09/2018 05:00	0	0	0	-0.04	-0.04	-0.04	1020
30/09/2018 06:00	0	0	0	-0.05	-0.05	-0.05	1020
30/09/2018 07:00	0	0	0	-0.04	-0.04	-0.04	1020
30/09/2018 08:00	0	0	0	-0.05	-0.05	-0.05	1021
30/09/2018 10:00	0.02	0.02	0.02	-0.02	-0.02	-0.02	1021
30/09/2018 11:00	0	0	0	-0.04	-0.04	-0.04	1021
30/09/2018 12:00	0	0	0	-0.05	-0.05	-0.05	1021
30/09/2018 14:00	0	0	0	-0.04	-0.04	-0.04	1020
30/09/2018 15:00	0	0	0	-0.05	-0.05	-0.05	1020
30/09/2018 16:00	0	0	0	-0.04	-0.04	-0.04	1020
30/09/2018 17:00	0	0	0	-0.05	-0.05	-0.05	1020
30/09/2018 19:00	0	0	0	-0.04	-0.04	-0.04	1020
30/09/2018 20:00	0	0	0	-0.06	-0.06	-0.06	1021
30/09/2018 21:00	0	0	0	-0.06	-0.06	-0.06	1021
30/09/2018 23:00	0	0	0	-0.05	-0.05	-0.05	1022
01/10/2018 00:00	0	0	0	-0.05	-0.05	-0.05	1022
01/10/2018 01:00	0.11	0.11	0.11	-0.06	-0.06	-0.06	1023
01/10/2018 03:00	0	0	0	-0.05	-0.05	-0.05	1023
01/10/2018 04:00	0	0	0	-0.06	-0.06	-0.06	1023
01/10/2018 05:00	0	0	0	-0.05	-0.05	-0.05	1024

01/10/2018 06:00	0	0	0	-0.09	-0.09	-0.09	1025
01/10/2018 08:00	0	0	0	-0.07	-0.07	-0.07	1026
01/10/2018 09:00	0.06	0.06	0.06	-0.09	-0.09	-0.09	1028
01/10/2018 10:00	0.09	0.09	0.09	-0.06	-0.06	-0.06	1029
01/10/2018 12:00	0.08	0.08	0.08	-0.03	-0.03	-0.03	1029
01/10/2018 13:00	0.07	0.07	0.07	-0.03	-0.03	-0.03	1029
01/10/2018 14:00	0	0	0	-0.05	-0.05	-0.05	1029
01/10/2018 16:00	0.05	0.05	0.05	-0.06	-0.06	-0.06	1028
01/10/2018 17:00	0	0	0	-0.04	-0.04	-0.04	1027
01/10/2018 18:00	0	0	0	-0.03	-0.03	-0.03	1027
01/10/2018 19:00	0	0	0	-0.05	-0.05	-0.05	1027
01/10/2018 21:00	0	0	0	-0.04	-0.04	-0.04	1027
01/10/2018 22:00	0.03	0.03	0.03	-0.04	-0.04	-0.04	1026
01/10/2018 23:00	0.03	0.03	0.03	-0.03	-0.03	-0.03	1026
02/10/2018 01:00	0.02	0.02	0.02	-0.04	-0.04	-0.04	1025
02/10/2018 02:00	0.01	0.01	0.01	-0.04	-0.04	-0.04	1024
02/10/2018 03:00	0.09	0.09	0.09	0	0	0	1022
02/10/2018 04:00	0.22	0.22	0.22	-0.02	-0.02	-0.02	1021
02/10/2018 06:00	0.21	0.21	0.21	-0.02	-0.02	-0.02	1021
02/10/2018 07:00	0.12	0.12	0.12	-0.04	-0.04	-0.04	1021
02/10/2018 08:00	0.02	0.02	0.02	-0.03	-0.03	-0.03	1022
02/10/2018 10:00	0.09	0.09	0.09	-0.01	-0.01	-0.01	1022
02/10/2018 12:00	0.02	0.02	0.02	-0.04	-0.04	-0.04	1022
02/10/2018 14:00	0.01	0.01	0.01	-0.03	-0.03	-0.03	1022
02/10/2018 15:00	0.05	0.05	0.05	-0.04	-0.04	-0.04	1022
02/10/2018 16:00	0.06	0.06	0.06	-0.04	-0.04	-0.04	1022
02/10/2018 17:00	0.03	0.03	0.03	-0.05	-0.05	-0.05	1023
02/10/2018 19:00	0.03	0.03	0.03	-0.03	-0.03	-0.03	1023
02/10/2018 20:00							1024
02/10/2018 21:00	0	0	0	-0.04	-0.04	-0.04	1024
02/10/2018 23:00	0	0	0	-0.04	-0.04	-0.04	1024
03/10/2018 00:00	0	0	0	-0.05	-0.05	-0.05	1025
03/10/2018 01:00	0	0	0	-0.05	-0.05	-0.05	1025
03/10/2018 02:00	0	0	0	-0.05	-0.05	-0.05	1026
03/10/2018 04:00	0	0	0	-0.06	-0.06	-0.06	1026
03/10/2018 05:00	0	0	0	-0.05	-0.05	-0.05	1026
03/10/2018 06:00	0	0	0	-0.06	-0.06	-0.06	1027
03/10/2018 08:00	0	0	0	-0.07	-0.07	-0.07	1028
03/10/2018 09:00	0	0	0	-0.06	-0.06	-0.06	1029
03/10/2018 10:00	0	0	0	-0.05	-0.05	-0.05	1030
03/10/2018 12:00	0	0	0	-0.05	-0.05	-0.05	1030
03/10/2018 13:00	0.06	0.06	0.06	-0.03	-0.03	-0.03	1030
03/10/2018 14:00	0.02	0.02	0.02	-0.04	-0.04	-0.04	1029
03/10/2018 15:00	0.02	0.02	0.02	-0.03	-0.03	-0.03	1029
03/10/2018 17:00	0.12	0.12	0.12	-0.04	-0.04	-0.04	1029
03/10/2018 18:00	0	0	0	-0.04	-0.04	-0.04	1029
03/10/2018 19:00	0	0	0	-0.04	-0.04	-0.04	1029

03/10/2018 21:00	0	0	0	-0.04	-0.04	-0.04	1029
03/10/2018 22:00	0	0	0	-0.05	-0.05	-0.05	1028
03/10/2018 23:00	0	0	0	-0.04	-0.04	-0.04	1028
04/10/2018 01:00	0	0	0	-0.04	-0.04	-0.04	1028
04/10/2018 02:00	0	0	0	-0.05	-0.05	-0.05	1027
04/10/2018 03:00	0	0	0	-0.04	-0.04	-0.04	1026
04/10/2018 04:00	0	0	0	-0.05	-0.05	-0.05	1027
04/10/2018 06:00	0	0	0	-0.03	-0.03	-0.03	1027
04/10/2018 07:00	0	0	0	-0.06	-0.06	-0.06	1027
04/10/2018 08:00	0	0	0	-0.05	-0.05	-0.05	1027
04/10/2018 10:00	0	0	0	-0.05	-0.05	-0.05	1027
04/10/2018 11:00	0	0	0	-0.04	-0.04	-0.04	1027
04/10/2018 12:00	0	0	0	-0.04	-0.04	-0.04	1026
04/10/2018 13:00	0.06	0.06	0.06	-0.03	-0.03	-0.03	1026
04/10/2018 15:00	0.01	0.01	0.01	-0.03	-0.03	-0.03	1025
04/10/2018 16:00	0	0	0	-0.02	-0.02	-0.02	1024
04/10/2018 17:00	0.02	0.02	0.02	-0.03	-0.03	-0.03	1023
04/10/2018 19:00	0	0	0	-0.04	-0.04	-0.04	1023
04/10/2018 20:00	0	0	0	-0.04	-0.04	-0.04	1022
04/10/2018 21:00	0	0	0	-0.04	-0.04	-0.04	1022
04/10/2018 22:00	0	0	0	-0.04	-0.04	-0.04	1021
05/10/2018 00:00	0	0	0	-0.03	-0.03	-0.03	1020
05/10/2018 01:00	0	0	0	-0.04	-0.04	-0.04	1020
05/10/2018 02:00	0	0	0	-0.03	-0.03	-0.03	1019
05/10/2018 04:00	0	0	0	-0.03	-0.03	-0.03	1018
05/10/2018 05:00	0	0	0	-0.04	-0.04	-0.04	1017
05/10/2018 06:00	0	0	0	-0.05	-0.05	-0.05	1017
05/10/2018 08:00	0	0	0	-0.05	-0.05	-0.05	1017
05/10/2018 09:00	0	0	0	-0.05	-0.05	-0.05	1017
05/10/2018 10:00	0	0	0	-0.05	-0.05	-0.05	1017
05/10/2018 11:00	0	0	0	-0.04	-0.04	-0.04	1017
05/10/2018 13:00	0.03	0.03	0.03	-0.03	-0.03	-0.03	1017
05/10/2018 14:00	0.05	0.05	0.05	-0.03	-0.03	-0.03	1017
05/10/2018 15:00	0	0	0	-0.03	-0.03	-0.03	1016
05/10/2018 17:00	0	0	0	-0.04	-0.04	-0.04	1015
05/10/2018 18:00	0	0	0	-0.05	-0.05	-0.05	1015
05/10/2018 19:00	0	0	0	-0.03	-0.03	-0.03	1014
05/10/2018 20:00	0	0	0	-0.04	-0.04	-0.04	1013
05/10/2018 22:00	0	0	0	-0.03	-0.03	-0.03	1012
05/10/2018 23:00	0	0	0	-0.04	-0.04	-0.04	1012
06/10/2018 00:00	0	0	0	-0.05	-0.05	-0.05	1011
06/10/2018 02:00	0	0	0	-0.04	-0.04	-0.04	1011
06/10/2018 03:00	0	0	0	-0.05	-0.05	-0.05	1010
06/10/2018 04:00	0	0	0	-0.03	-0.03	-0.03	1009
06/10/2018 06:00	0	0	0	-0.05	-0.05	-0.05	1008
06/10/2018 07:00	0	0	0	-0.05	-0.05	-0.05	1009
06/10/2018 08:00	0	0	0	-0.07	-0.07	-0.07	1008

06/10/2018 09:00	0.01	0.01	0.01	-0.08	-0.08	-0.08	1008
06/10/2018 11:00	0.03	0.03	0.03	-0.05	-0.05	-0.05	1008
06/10/2018 12:00	0.09	0.09	0.09	-0.03	-0.03	-0.03	1009
06/10/2018 13:00	0.11	0.11	0.11	-0.02	-0.02	-0.02	1008
06/10/2018 15:00	0.26	0.26	0.26	-0.04	-0.04	-0.04	1009
06/10/2018 16:00	0.21	0.21	0.21	-0.07	-0.07	-0.07	1009
06/10/2018 17:00	0.28	0.28	0.28	-0.03	-0.03	-0.03	1010
06/10/2018 18:00	0.25	0.25	0.25	0	0	0	1011
06/10/2018 20:00	0.32	0.32	0.32	0	0	0	1013
06/10/2018 21:00	0.33	0.33	0.33	0	0	0	1014
06/10/2018 22:00	0.31	0.31	0.31	0	0	0	1015
07/10/2018 00:00	0.56	0.56	0.56	-0.03	-0.03	-0.03	1015
07/10/2018 01:00	0.45	0.45	0.45	-0.09	-0.09	-0.09	1016
07/10/2018 02:00							1018
07/10/2018 04:00	0.11	0.11	0.11	-0.02	-0.02	-0.02	1019
07/10/2018 05:00	0.07	0.07	0.07	-0.06	-0.06	-0.06	1020
07/10/2018 06:00	0.07	0.07	0.07	-0.03	-0.03	-0.03	1021
07/10/2018 07:00	0.11	0.11	0.11	-0.02	-0.02	-0.02	1022
07/10/2018 09:00	0.12	0.12	0.12	-0.01	-0.01	-0.01	1022
07/10/2018 10:00	0.26	0.26	0.26	-0.04	-0.04	-0.04	1023
07/10/2018 11:00	0.19	0.19	0.19	-0.02	-0.02	-0.02	1024
07/10/2018 13:00	0.13	0.13	0.13	-0.02	-0.02	-0.02	1024
07/10/2018 14:00	0.02	0.02	0.02	-0.04	-0.04	-0.04	1024
07/10/2018 15:00	0	0	0	-0.04	-0.04	-0.04	1024
07/10/2018 16:00	0	0	0	-0.03	-0.03	-0.03	1024
07/10/2018 18:00	0	0	0	-0.04	-0.04	-0.04	1024
07/10/2018 19:00	0	0	0	-0.05	-0.05	-0.05	1024
07/10/2018 20:00	0	0	0	-0.05	-0.05	-0.05	1024
07/10/2018 22:00	0	0	0	-0.05	-0.05	-0.05	1024
07/10/2018 23:00	0	0	0	-0.04	-0.04	-0.04	1024
08/10/2018 00:00	0	0	0	-0.05	-0.05	-0.05	1023
08/10/2018 02:00	0	0	0	-0.04	-0.04	-0.04	1023
08/10/2018 03:00	0	0	0	-0.04	-0.04	-0.04	1022
08/10/2018 04:00	0	0	0	-0.04	-0.04	-0.04	1022
08/10/2018 05:00	0	0	0	-0.05	-0.05	-0.05	1022
08/10/2018 07:00	0	0	0	-0.06	-0.06	-0.06	1022
08/10/2018 08:00	0	0	0	-0.05	-0.05	-0.05	1022
08/10/2018 09:00	0	0	0	-0.06	-0.06	-0.06	1023
08/10/2018 11:00	0	0	0	-0.05	-0.05	-0.05	1023
08/10/2018 12:00	0	0	0	-0.04	-0.04	-0.04	1023
08/10/2018 13:00	0.06	0.06	0.06	-0.04	-0.04	-0.04	1022
08/10/2018 14:00	0.01	0.01	0.01	-0.04	-0.04	-0.04	1022
08/10/2018 16:00	0.06	0.06	0.06	-0.04	-0.04	-0.04	1022
08/10/2018 17:00	0.01	0.01	0.01	-0.04	-0.04	-0.04	1021
08/10/2018 18:00	0	0	0	-0.06	-0.06	-0.06	1021
08/10/2018 20:00	0	0	0	-0.04	-0.04	-0.04	1022
08/10/2018 21:00	0	0	0	-0.05	-0.05	-0.05	1022

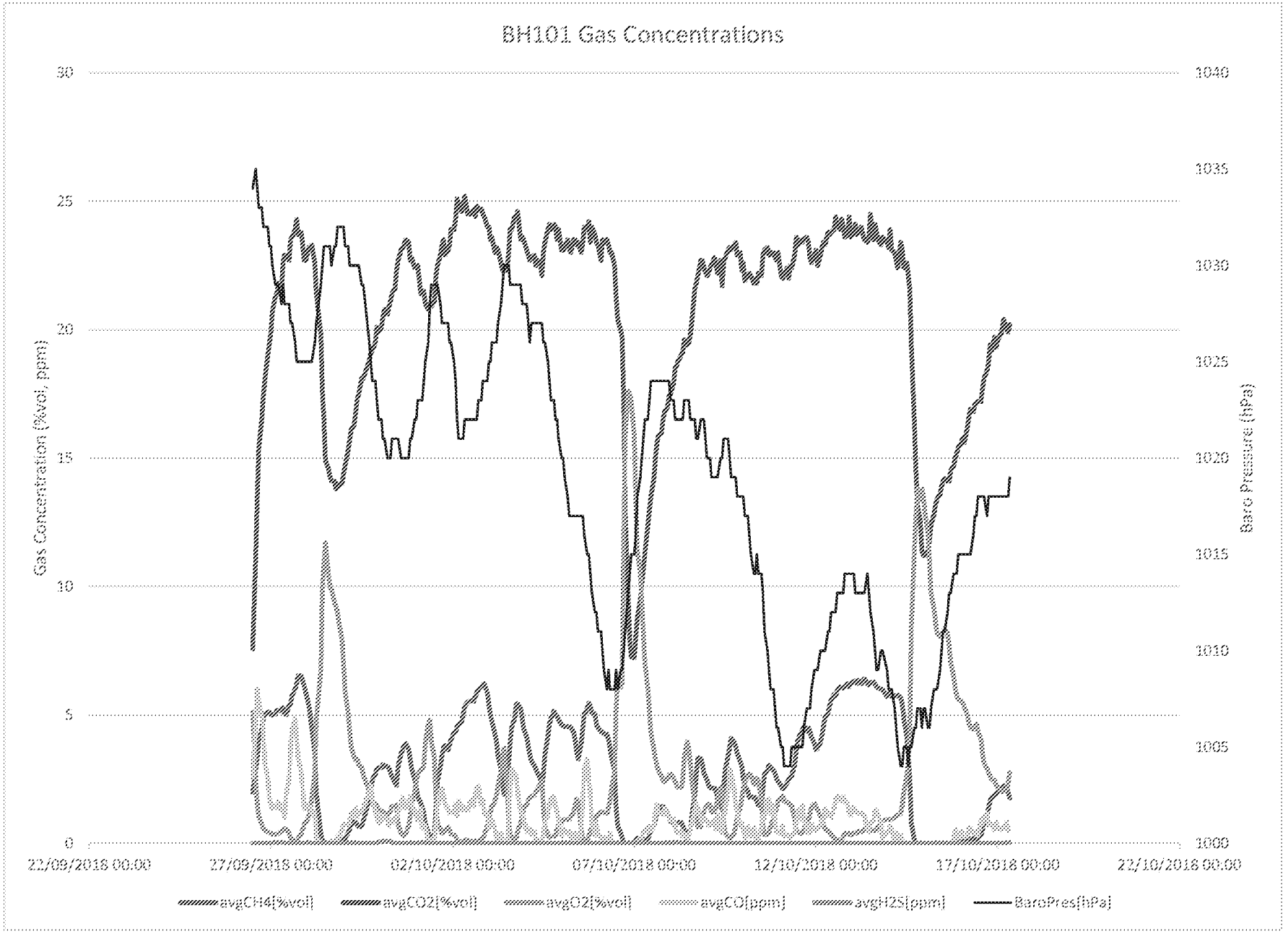
08/10/2018 22:00	0	0	0	-0.07	-0.07	-0.07	1022
09/10/2018 00:00	0	0	0	-0.04	-0.04	-0.04	1020
09/10/2018 01:00	0	0	0	-0.04	-0.04	-0.04	1020
09/10/2018 02:00	0	0	0	-0.04	-0.04	-0.04	1020
09/10/2018 03:00	0	0	0	-0.05	-0.05	-0.05	1019
09/10/2018 05:00	0.01	0.01	0.01	-0.05	-0.05	-0.05	1019
09/10/2018 06:00	0	0	0	-0.06	-0.06	-0.06	1019
09/10/2018 07:00	0	0	0	-0.07	-0.07	-0.07	1019
09/10/2018 09:00	0	0	0	-0.05	-0.05	-0.05	1020
09/10/2018 10:00	0.03	0.03	0.03	-0.05	-0.05	-0.05	1020
09/10/2018 11:00	0	0	0	-0.04	-0.04	-0.04	1021
09/10/2018 12:00	0.01	0.01	0.01	-0.03	-0.03	-0.03	1021
09/10/2018 14:00	0	0	0	-0.04	-0.04	-0.04	1021
09/10/2018 15:00	0	0	0	-0.03	-0.03	-0.03	1020
09/10/2018 16:00	0	0	0	-0.04	-0.04	-0.04	1019
09/10/2018 18:00	0	0	0	-0.04	-0.04	-0.04	1019
09/10/2018 19:00	0	0	0	-0.04	-0.04	-0.04	1019
09/10/2018 20:00	0	0	0	-0.05	-0.05	-0.05	1018
09/10/2018 22:00	0	0	0	-0.05	-0.05	-0.05	1018
09/10/2018 23:00	0	0	0	-0.06	-0.06	-0.06	1018
10/10/2018 00:00	0	0	0	-0.05	-0.05	-0.05	1018
10/10/2018 01:00	0	0	0	-0.05	-0.05	-0.05	1017
10/10/2018 03:00	0	0	0	-0.05	-0.05	-0.05	1017
10/10/2018 04:00	0	0	0	-0.05	-0.05	-0.05	1016
10/10/2018 05:00	0	0	0	-0.05	-0.05	-0.05	1015
10/10/2018 07:00	0	0	0	-0.05	-0.05	-0.05	1014
10/10/2018 08:00	0	0	0	-0.05	-0.05	-0.05	1014
10/10/2018 09:00	0.11	0.11	0.11	-0.04	-0.04	-0.04	1015
10/10/2018 10:00	0.17	0.17	0.17	-0.06	-0.06	-0.06	1014
10/10/2018 12:00	0.03	0.03	0.03	0	0	0	1014
10/10/2018 13:00	0.07	0.07	0.07	-0.04	-0.04	-0.04	1013
10/10/2018 14:00	0.05	0.05	0.05	-0.06	-0.06	-0.06	1011
10/10/2018 16:00	0.05	0.05	0.05	-0.04	-0.04	-0.04	1010
10/10/2018 17:00	0.02	0.02	0.02	-0.05	-0.05	-0.05	1009
10/10/2018 18:00	0.01	0.01	0.01	-0.03	-0.03	-0.03	1008
10/10/2018 20:00	0.01	0.01	0.01	-0.05	-0.05	-0.05	1008
10/10/2018 21:00	0.11	0.11	0.11	-0.07	-0.07	-0.07	1007
10/10/2018 22:00	0.01	0.01	0.01	-0.05	-0.05	-0.05	1006
10/10/2018 23:00	0.01	0.01	0.01	-0.04	-0.04	-0.04	1006
11/10/2018 01:00	0	0	0	-0.05	-0.05	-0.05	1005
11/10/2018 02:00	0.08	0.08	0.08	-0.03	-0.03	-0.03	1005
11/10/2018 03:00	0	0	0	-0.05	-0.05	-0.05	1004
11/10/2018 05:00	0.11	0.11	0.11	-0.02	-0.02	-0.02	1004
11/10/2018 06:00	0.12	0.12	0.12	-0.03	-0.03	-0.03	1004
11/10/2018 07:00	0.24	0.24	0.24	0.03	0.03	0.03	1004
11/10/2018 08:00	0.14	0.14	0.14	-0.04	-0.04	-0.04	1005
11/10/2018 10:00	0.15	0.15	0.15	-0.05	-0.05	-0.05	1005

11/10/2018 11:00	0.07	0.07	0.07	-0.04	-0.04	-0.04	1005
11/10/2018 12:00	0.07	0.07	0.07	-0.07	-0.07	-0.07	1005
11/10/2018 14:00	0.12	0.12	0.12	-0.05	-0.05	-0.05	1005
11/10/2018 15:00	0.06	0.06	0.06	-0.02	-0.02	-0.02	1005
11/10/2018 16:00	0.06	0.06	0.06	-0.03	-0.03	-0.03	1006
11/10/2018 18:00	0.22	0.22	0.22	0.03	0.03	0.03	1007
11/10/2018 19:00	0.01	0.01	0.01	-0.05	-0.05	-0.05	1007
11/10/2018 20:00	0.01	0.01	0.01	-0.02	-0.02	-0.02	1007
11/10/2018 21:00	0.02	0.02	0.02	-0.05	-0.05	-0.05	1008
11/10/2018 23:00	0.09	0.09	0.09	-0.06	-0.06	-0.06	1009
12/10/2018 00:00	0.15	0.15	0.15	-0.02	-0.02	-0.02	1009
12/10/2018 01:00	0.16	0.16	0.16	-0.07	-0.07	-0.07	1009
12/10/2018 03:00	0.09	0.09	0.09	-0.03	-0.03	-0.03	1010
12/10/2018 04:00	0.11	0.11	0.11	-0.03	-0.03	-0.03	1010
12/10/2018 05:00	0.12	0.12	0.12	-0.06	-0.06	-0.06	1010
12/10/2018 06:00	0.26	0.26	0.26	-0.03	-0.03	-0.03	1010
12/10/2018 08:00	0.13	0.13	0.13	-0.04	-0.04	-0.04	1011
12/10/2018 09:00	0.22	0.22	0.22	-0.04	-0.04	-0.04	1011
12/10/2018 10:00	0.17	0.17	0.17	-0.01	-0.01	-0.01	1012
12/10/2018 12:00	0.29	0.29	0.29	-0.04	-0.04	-0.04	1012
12/10/2018 13:00	0.27	0.27	0.27	-0.11	-0.11	-0.11	1012
12/10/2018 14:00	0.19	0.19	0.19	-0.01	-0.01	-0.01	1013
12/10/2018 16:00	0.08	0.08	0.08	0	0	0	1013
12/10/2018 17:00	0.09	0.09	0.09	-0.01	-0.01	-0.01	1013
12/10/2018 18:00	0.13	0.13	0.13	-0.02	-0.02	-0.02	1013
12/10/2018 19:00	0.05	0.05	0.05	-0.04	-0.04	-0.04	1014
12/10/2018 21:00	0.18	0.18	0.18	-0.03	-0.03	-0.03	1014
12/10/2018 22:00	0.15	0.15	0.15	-0.02	-0.02	-0.02	1014
12/10/2018 23:00	0.1	0.1	0.1	-0.03	-0.03	-0.03	1014
13/10/2018 01:00	0.25	0.25	0.25	-0.03	-0.03	-0.03	1014
13/10/2018 02:00	0.08	0.08	0.08	-0.04	-0.04	-0.04	1013
13/10/2018 03:00	0.09	0.09	0.09	-0.03	-0.03	-0.03	1013
13/10/2018 04:00	0.13	0.13	0.13	-0.01	-0.01	-0.01	1013
13/10/2018 06:00	0.04	0.04	0.04	-0.03	-0.03	-0.03	1013
13/10/2018 07:00	0.25	0.25	0.25	-0.04	-0.04	-0.04	1013
13/10/2018 08:00	0.1	0.1	0.1	-0.06	-0.06	-0.06	1013
13/10/2018 10:00	0.01	0.01	0.01	-0.03	-0.03	-0.03	1014
13/10/2018 11:00	0.05	0.05	0.05	-0.03	-0.03	-0.03	1013
13/10/2018 12:00	0.11	0.11	0.11	0	0	0	1012
13/10/2018 14:00							1011
13/10/2018 15:00	0.1	0.1	0.1	-0.02	-0.02	-0.02	1010
13/10/2018 16:00	0.02	0.02	0.02	-0.02	-0.02	-0.02	1009
13/10/2018 17:00	0	0	0	-0.03	-0.03	-0.03	1009
13/10/2018 19:00	0.02	0.02	0.02	-0.04	-0.04	-0.04	1010
13/10/2018 20:00	0.04	0.04	0.04	-0.03	-0.03	-0.03	1010
13/10/2018 23:00	0.03	0.03	0.03	-0.02	-0.02	-0.02	1009
14/10/2018 00:00	0	0	0	-0.03	-0.03	-0.03	1008

14/10/2018 01:00	0	0	0	-0.04	-0.04	-0.04	1008
14/10/2018 02:00	0	0	0	-0.03	-0.03	-0.03	1008
14/10/2018 04:00	0	0	0	-0.04	-0.04	-0.04	1007
14/10/2018 05:00	0	0	0	-0.05	-0.05	-0.05	1006
14/10/2018 06:00	0	0	0	-0.05	-0.05	-0.05	1005
14/10/2018 08:00	0.08	0.08	0.08	-0.06	-0.06	-0.06	1004
14/10/2018 09:00	0.11	0.11	0.11	-0.07	-0.07	-0.07	1004
14/10/2018 10:00	0.14	0.14	0.14	-0.07	-0.07	-0.07	1005
14/10/2018 12:00	0.11	0.11	0.11	-0.03	-0.03	-0.03	1005
14/10/2018 13:00	0.12	0.12	0.12	-0.03	-0.03	-0.03	1004
14/10/2018 14:00	0.23	0.23	0.23	-0.07	-0.07	-0.07	1005
14/10/2018 15:00	0.21	0.21	0.21	-0.08	-0.08	-0.08	1005
14/10/2018 17:00	0.12	0.12	0.12	-0.03	-0.03	-0.03	1006
14/10/2018 18:00	0.19	0.19	0.19	-0.06	-0.06	-0.06	1006
14/10/2018 19:00	0.2	0.2	0.2	-0.02	-0.02	-0.02	1007
14/10/2018 21:00	0.17	0.17	0.17	-0.09	-0.09	-0.09	1007
14/10/2018 22:00	0.2	0.2	0.2	-0.02	-0.02	-0.02	1006
14/10/2018 23:00	0.25	0.25	0.25	-0.05	-0.05	-0.05	1007
15/10/2018 00:00	0.33	0.33	0.33	-0.03	-0.03	-0.03	1007
15/10/2018 02:00	0.24	0.24	0.24	-0.06	-0.06	-0.06	1006
15/10/2018 03:00	0.06	0.06	0.06	-0.01	-0.01	-0.01	1006
15/10/2018 04:00	0.11	0.11	0.11	-0.04	-0.04	-0.04	1007
15/10/2018 06:00	0	0	0	-0.04	-0.04	-0.04	1008
15/10/2018 07:00	0.01	0.01	0.01	-0.04	-0.04	-0.04	1008
15/10/2018 08:00	0.01	0.01	0.01	-0.06	-0.06	-0.06	1008
15/10/2018 10:00	0.1	0.1	0.1	-0.07	-0.07	-0.07	1009
15/10/2018 11:00	0.06	0.06	0.06	-0.03	-0.03	-0.03	1010
15/10/2018 12:00	0	0	0	-0.03	-0.03	-0.03	1011
15/10/2018 13:00	0	0	0	-0.06	-0.06	-0.06	1011
15/10/2018 15:00	0	0	0	-0.05	-0.05	-0.05	1012
15/10/2018 16:00	0	0	0	-0.06	-0.06	-0.06	1013
15/10/2018 17:00	0	0	0	-0.05	-0.05	-0.05	1013
15/10/2018 19:00	0	0	0	-0.05	-0.05	-0.05	1014
15/10/2018 20:00	0	0	0	-0.05	-0.05	-0.05	1014
15/10/2018 21:00	0	0	0	-0.07	-0.07	-0.07	1014
15/10/2018 22:00	0	0	0	-0.05	-0.05	-0.05	1015
16/10/2018 00:00	0	0	0	-0.04	-0.04	-0.04	1015
16/10/2018 01:00	0	0	0	-0.05	-0.05	-0.05	1015
16/10/2018 02:00	0	0	0	-0.05	-0.05	-0.05	1015
16/10/2018 04:00	0	0	0	-0.06	-0.06	-0.06	1015
16/10/2018 05:00	0	0	0	-0.04	-0.04	-0.04	1015
16/10/2018 06:00	0	0	0	-0.06	-0.06	-0.06	1015
16/10/2018 08:00	0	0	0	-0.06	-0.06	-0.06	1016
16/10/2018 09:00	0	0	0	-0.04	-0.04	-0.04	1017
16/10/2018 10:00	0	0	0	-0.07	-0.07	-0.07	1017
16/10/2018 11:00	0.07	0.07	0.07	-0.03	-0.03	-0.03	1018
16/10/2018 13:00	0.03	0.03	0.03	-0.04	-0.04	-0.04	1018

16/10/2018 14:00	0.01	0.01	0.01	-0.04	-0.04	-0.04	1018
16/10/2018 15:00	0.01	0.01	0.01	-0.02	-0.02	-0.02	1018
16/10/2018 17:00	0.03	0.03	0.03	-0.03	-0.03	-0.03	1017
16/10/2018 18:00	0	0	0	-0.05	-0.05	-0.05	1018
16/10/2018 19:00	0	0	0	-0.04	-0.04	-0.04	1018
16/10/2018 20:00	0	0	0	-0.04	-0.04	-0.04	1018
16/10/2018 22:00	0	0	0	-0.03	-0.03	-0.03	1018
16/10/2018 23:00	0	0	0	-0.04	-0.04	-0.04	1018
17/10/2018 00:00	0.05	0.05	0.05	-0.04	-0.04	-0.04	1018
17/10/2018 02:00	0	0	0	-0.05	-0.05	-0.05	1018
17/10/2018 03:00	0	0	0	-0.04	-0.04	-0.04	1018
17/10/2018 04:00	0	0	0	-0.04	-0.04	-0.04	1018
17/10/2018 06:00	0	0	0	-0.06	-0.06	-0.06	1018
17/10/2018 07:00	0	0	0	-0.07	-0.07	-0.07	1018
17/10/2018 08:00							1019

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

BH101

Time	avgCH4[%vol]	avgCO2[%v	avgO2[%vo	avgCO[ppr	avgH2S[pp	Humidity[%	Temp[°C]
26/09/2018 12:00	1.98	7.57	5.11	2.58	0	3.51	21.2
26/09/2018 14:00	2.88	11.2	2.39	4.83	0	0	25.5
26/09/2018 15:00	3.32	13.5	1.54	5.99	0	0	26.6
26/09/2018 16:00	4	15.4	1.06	5.5	0	0	23.8
26/09/2018 18:00	4.45	16.5	0.73	4.93	0	0	20.3
26/09/2018 19:00	4.84	17.5	0.59	4.26	0	0	16.6
26/09/2018 20:00	5.05	18	0.52	3.15	0.02	0	13.4
26/09/2018 22:00	5.09	19	0.45	2.5	0	0.02	11.1
26/09/2018 23:00	5.12	19.5	0.41	1.8	0.01	0.04	9.7
27/09/2018 00:00	5.01	19.9	0.39	1.47	0	0.07	8.58
27/09/2018 01:00	5	20.7	0.36	1.36	0.03	0.07	7.8
27/09/2018 03:00	5.03	21.3	0.34	1.47	0.04	0.07	7.31
27/09/2018 04:00	5.17	21.4	0.34	1.39	0.01	0.07	7.11
27/09/2018 05:00	5.15	21.8	0.4	1.61	0.03	0.02	6.9
27/09/2018 07:00	5.26	21.5	0.48	1.31	0.05	0	6.94
27/09/2018 08:00	5.28	22.6	0.56	1.31	0.03	0	8.21
27/09/2018 09:00	5.08	22.9	0.56	1.02	0.01	0	12.7
27/09/2018 10:00	5.01	22.9	0.56	1.9	0	0	19.3
27/09/2018 12:00	5.37	22.7	0.39	2.5	0	0	24.6
27/09/2018 13:00	5.44	23.5	0.21	3.79	0	0	27.4
27/09/2018 14:00	5.78	23.6	0.09	4.47	0	0	29.2
27/09/2018 16:00	6	23.9	0.09	4.84	0	0	26.6
27/09/2018 17:00	6.2	24.3	0.07	4.07	0	0	23
27/09/2018 18:00	6.53	23.7	0.17	3.34	0	0	19.3
27/09/2018 20:00	6.53	23.8	0.36	2.8	0	0	16
27/09/2018 21:00	6.31	23.3	0.54	2.09	0	0	13.5
27/09/2018 22:00	6.14	22.7	0.71	1.34	0	0	11.5
27/09/2018 23:00	5.87	22.7	0.82	1.55	0.03	0	9.88
28/09/2018 01:00	5.4	23.2	1.04	1.42	0.04	0	9.51
28/09/2018 02:00	4.99	23.2	1.33	1.39	0.01	0	10.1
28/09/2018 03:00	4.44	23.3	1.76	1.17	0.01	0	10.6
28/09/2018 05:00	3.55	22.6	2.72	1.17	0	0	10.6
28/09/2018 06:00	1.96	21.4	4.8	0.23	0.01	0	10.7
28/09/2018 09:00	0.37	19.8	6.75	0.04	0.01	0	12.2
28/09/2018 10:00	0.1	17.6	9.97	0	0	0	13.1
28/09/2018 11:00	0.04	16.5	10.9	0	0	0	14.9
28/09/2018 12:00	0.02	14.9	11.7	0	0	0	17.5
28/09/2018 14:00	0.02	14.6	10.5	0	0	0	18.3
28/09/2018 15:00	0.01	14.3	10	0	0	0	18.5
28/09/2018 16:00	0.02	14.1	9.9	0.08	0	0	17.6

ARUN DISTRICT COUNCIL LU/330/18/PL

28/09/2018 18:00	0.02	14.1	9.38	0	0	0	16.2
28/09/2018 19:00	0.03	13.8	9.22	0.12	0.01	0	14.3
28/09/2018 20:00	0.02	14	8.99	0.27	0.01	0	12.3
28/09/2018 21:00	0.01	13.9	8.59	0.22	0	0	11
28/09/2018 23:00	0.03	14	7.94	0.54	0.02	0	9.71
29/09/2018 00:00	0.1	14.4	6.98	0.75	0.02	0	8.64
29/09/2018 01:00	0.24	14.7	5.96	0.71	0.01	0	8.16
29/09/2018 03:00	0.39	15.3	5.08	0.72	0.02	0	7.95
29/09/2018 04:00	0.55	15.7	4.38	0.82	0.02	0	7.66
29/09/2018 05:00	0.73	16.1	3.77	1.17	0.01	0	7.34
29/09/2018 07:00	0.83	16.3	3.37	1.09	0.04	0	7.04
29/09/2018 08:00	0.81	16.8	3.24	1.39	0.03	0	7.62
29/09/2018 09:00	0.73	17.3	3.28	1.01	0	0	10.9
29/09/2018 10:00	0.65	17.5	3.06	1.12	0	0	15.8
29/09/2018 12:00	0.67	18.1	2.97	1.33	0	0	19.8
29/09/2018 13:00	0.87	18.1	2.66	1.36	0	0	22.4
29/09/2018 17:00	1.72	18.8	2.02	2.06	0	0	19.3
29/09/2018 18:00	2	19.1	1.91	2.25	0.01	0	16.3
29/09/2018 19:00	2.48	19.2	1.66	1.71	0	0	12.9
29/09/2018 21:00	2.69	19.5	1.53	1.17	0.02	0	10.4
29/09/2018 22:00	2.91	20.1	1.44	1.2	0.03	0	8.74
29/09/2018 23:00	2.93	19.9	1.33	0.77	0.05	0	7.68
30/09/2018 01:00	2.95	20.1	1.25	0.93	0.06	0	6.98
30/09/2018 02:00	3.07	20.5	1.22	1.09	0.06	0	6.3
30/09/2018 03:00	2.99	20.8	1.19	1.02	0.1	0	5.8
30/09/2018 05:00	2.99	20.6	1.13	0.93	0.06	0	5.44
30/09/2018 06:00	2.93	20.9	1.18	0.67	0.08	0	5.12
30/09/2018 07:00	2.76	21.1	1.27	0.93	0.08	0	4.98
30/09/2018 08:00	2.59	21.4	1.43	0.8	0.03	0	7.68
30/09/2018 10:00	2.35	21.6	1.45	0.9	0	0	13.4
30/09/2018 11:00	2.25	22.3	1.5	1.06	0	0	17.6
30/09/2018 12:00	2.99	22.7	0.72	1.2	0	0	20
30/09/2018 14:00	3.5	23.1	0.4	1.58	0	0	20.4
30/09/2018 15:00	3.65	23.2	0.35	1.8	0	0	18.8
30/09/2018 16:00	3.82	23.3	0.3	1.42	0	0	17.8
30/09/2018 17:00	3.89	23.5	0.4	1.39	0	0	16.7
30/09/2018 19:00	3.65	23.4	0.65	1.58	0	0	14.8
30/09/2018 20:00	3.31	22.7	1.04	1.82	0.04	0	13.1
30/09/2018 21:00	2.91	22.8	1.54	1.47	0	0	12.2
30/09/2018 23:00	2.5	22.4	2.02	1.25	0	0	11.6
01/10/2018 00:00	2.21	22.5	2.41	1.09	0.02	0	10.2
01/10/2018 01:00	1.82	22.5	2.69	0.9	0.01	0	9.02
01/10/2018 03:00	1.56	21.4	2.82	1.36	0.03	0	8.39
01/10/2018 04:00	1.41	21.5	2.91	0.61	0.04	0	7.82
01/10/2018 05:00	1.21	21.5	3.03	0.74	0.03	0	7.38
01/10/2018 06:00	0.78	21	3.88	0.63	0.02	0	7.17
01/10/2018 08:00	0.42	20.8	4.66	0.08	0.01	0	7.66

01/10/2018 09:00	0.2	21	4.79	0	0	0	11.1
01/10/2018 10:00	0.24	20.9	4	0.07	0	0	15
01/10/2018 12:00	0.36	21.1	3.3	0.24	0	0	18.3
01/10/2018 13:00	1.39	22.1	1.63	0.72	0	0	20.6
01/10/2018 14:00	2.39	22.5	0.8	1.39	0	0	21.9
01/10/2018 16:00	3.01	22.9	0.54	2.09	0	0	20.4
01/10/2018 17:00	3.43	23.3	0.4	2.15	0	0	18.1
01/10/2018 18:00	3.71	23.5	0.46	1.88	0	0	15.9
01/10/2018 19:00	3.81	22.9	0.52	1.5	0	0	13.7
01/10/2018 21:00	3.64	23.1	0.64	1.36	0.01	0	11.9
01/10/2018 22:00	3.83	23.3	0.52	1.17	0.01	0	10.8
01/10/2018 23:00	4.05	23.9	0.36	1.25	0	0	10.5
02/10/2018 01:00	4.3	23.9	0.32	1.2	0.01	0	10
02/10/2018 02:00	4.34	24.3	0.24	1.55	0.02	0	9.85
02/10/2018 03:00	4.53	25.1	0.15	1.09	0.02	0	10.2
02/10/2018 04:00	4.63	24.9	0.06	1.66	0.01	0	10.9
02/10/2018 06:00	4.74	24.6	0.07	1.31	0.02	0	11.2
02/10/2018 07:00	5.03	24.9	0.08	1.44	0.02	0	11.6
02/10/2018 08:00	5.34	25.2	0.13	1.31	0	0	12.1
02/10/2018 10:00	5.5	24.5	0.13	1.28	0.02	0	13.1
02/10/2018 12:00	5.56	24.5	0.08	1.69	0	0	19.4
02/10/2018 14:00	5.53	24.7	0.06	1.47	0	0	20.3
02/10/2018 15:00	5.72	24.4	0.09	1.88	0	0	20.5
02/10/2018 16:00	5.86	24.8	0.08	2.2	0	0	20.7
02/10/2018 17:00	6.01	24.7	0.11	2.23	0	0	19.6
02/10/2018 19:00	6.12	24.7	0.15	1.5	0	0	17.9
02/10/2018 20:00	6.19	24.5	0.18	1.69	0.01	0	16.3
02/10/2018 21:00	6.21	24.4	0.35	1.14	0	0	15
02/10/2018 23:00	5.85	24	0.7	1.17	0	0	13.5
03/10/2018 00:00	5.38	24	1.03	0.59	0	0	12.4
03/10/2018 01:00	4.99	23.5	1.25	0.63	0.01	0	12.2
03/10/2018 02:00	4.76	23.6	1.44	0.93	0.01	0	12.1
03/10/2018 04:00	4.26	23	1.64	0.55	0.02	0	11.5
03/10/2018 05:00	3.97	23.2	1.87	0.2	0.01	0	10.9
03/10/2018 06:00	3.4	23.1	2.25	0.3	0.02	0	10.4
03/10/2018 08:00	2.87	22.6	2.8	0.37	0.01	0	9.97
03/10/2018 09:00	2.35	22.3	3.43	0	0	0	13
03/10/2018 10:00	1.91	22.5	3.72	0	0	0	18.5
03/10/2018 12:00	2.23	22.3	2.11	0	0	0	23.5
03/10/2018 13:00	3.11	23	0.87	0.88	0	0	25.8
03/10/2018 14:00	3.91	23.9	0.38	2.25	0	0	24.9
03/10/2018 15:00	4.53	23.9	0.2	2.91	0	0	23.5
03/10/2018 17:00	4.84	24.4	0.14	2.66	0	0	20.7
03/10/2018 18:00	5.39	24.4	0.19	2.61	0	0	18.1
03/10/2018 19:00	5.44	24.6	0.46	1.99	0	0	15.7
03/10/2018 21:00	5.25	23.5	0.8	1.2	0	0	13.8
03/10/2018 22:00	4.88	23.6	1.09	1.14	0.01	0	12.5

03/10/2018 23:00	4.47	23.5	1.34	0.96	0.01	0	11.4
04/10/2018 01:00	4.13	23.1	1.53	0.45	0.02	0	10.8
04/10/2018 02:00	3.8	22.9	1.67	0.56	0	0	10.2
04/10/2018 03:00	3.46	22.7	1.75	0.53	0.01	0	9.8
04/10/2018 04:00	3.2	22.8	1.81	0.37	0.02	0	9.85
04/10/2018 06:00	3.03	22.9	1.87	0.47	0	0	10.5
04/10/2018 07:00	2.89	22.5	1.96	0.17	0.02	0	10.7
04/10/2018 08:00	2.76	22.7	2.14	0.12	0.01	0	11.1
04/10/2018 10:00	2.5	22.6	2.29	0.12	0.01	0	11.9
04/10/2018 11:00	2.24	22.1	2.45	0.06	0.01	0	13.1
04/10/2018 12:00	2.69	23	1.45	0.4	0.01	0	14.1
04/10/2018 13:00	3.47	23.4	0.63	0.82	0	0	15.3
04/10/2018 15:00	4.19	23.9	0.34	1.13	0	0	16.4
04/10/2018 16:00	4.65	24.1	0.24	1.52	0	0	17.3
04/10/2018 17:00	4.87	23.9	0.26	1.74	0	0	17.3
04/10/2018 19:00	5.15	24.1	0.28	1.82	0	0	16.4
04/10/2018 20:00	4.98	24	0.33	1.42	0.01	0	14.8
04/10/2018 21:00	4.95	23.5	0.56	1.23	0	0	12.5
04/10/2018 22:00	4.82	23.9	0.71	0.94	0.01	0	10.8
05/10/2018 00:00	4.61	23.1	0.77	0.3	0.01	0	9.7
05/10/2018 01:00	4.58	23.1	0.87	0.53	0.03	0	9.08
05/10/2018 02:00	4.55	23.2	0.92	0.48	0.01	0	8.71
05/10/2018 04:00	4.54	23.5	0.93	0.4	0.03	0	8.76
05/10/2018 05:00	4.55	23.2	0.93	0.46	0.02	0	9.08
05/10/2018 06:00	4.53	23	1	0.21	0	0	9
05/10/2018 08:00	4.32	23.5	1.23	0.4	0.01	0	9
05/10/2018 09:00	4.04	23.5	1.47	0.38	0	0	11.3
05/10/2018 10:00	3.55	23.3	1.71	0.02	0	0	16.4
05/10/2018 11:00	3.28	23.4	1.62	0	0	0	22.1
05/10/2018 13:00	3.89	23	0.55	0.56	0	0	25.9
05/10/2018 14:00	4.48	23.4	0.19	1.69	0	0	28.4
05/10/2018 15:00	5.04	24	0.11	2.91	0	0	27.6
05/10/2018 17:00	5.25	23.9	0.14	3.28	0	0	22.9
05/10/2018 18:00	5.46	24.2	0.28	2.31	0	0	19.1
05/10/2018 19:00	5.34	23.4	0.5	2	0	0	15.6
05/10/2018 20:00	5.09	24	0.68	0.76	0	0	13.1
05/10/2018 22:00	5.04	23.7	0.88	0.32	0	0	11.6
05/10/2018 23:00	4.61	23.4	1.03	0.82	0.02	0	10.8
06/10/2018 00:00	4.51	23.3	1.13	0.27	0.01	0	10.1
06/10/2018 02:00	4.34	22.7	1.21	0.27	0	0	9.86
06/10/2018 03:00	4.34	23.5	1.23	0.2	0.01	0	10.4
06/10/2018 04:00	4.26	23.4	1.2	0.22	0.01	0	11.1
06/10/2018 06:00	4.26	23.5	1.18	0.02	0	0	11.4
06/10/2018 07:00	4.05	23.3	1.38	0.15	0.01	0	11.3
06/10/2018 08:00	3.75	23	1.7	0.39	0.01	0	11.4
06/10/2018 09:00	3.32	23	2.15	0.05	0	0	11.7
06/10/2018 11:00	2.86	22.5	2.77	0	0.01	0	12.2

06/10/2018 12:00	1.41	21.3	5.19	0	0.01	0	12.3
06/10/2018 13:00	0.69	20.4	6.4	0	0.02	0	11.4
06/10/2018 15:00	0.41	20	6.08	0	0.01	0	10.6
06/10/2018 16:00	0.23	19.7	6.26	0	0.01	0	10.2
06/10/2018 17:00	0.02	17.3	11.8	0	0	0	10
06/10/2018 18:00	0.01	12.9	15.9	0	0	0	9.79
06/10/2018 20:00	0	9.58	17.6	0	0.03	0	9.48
06/10/2018 21:00	0	7.93	17.5	0	0.01	0	9.38
06/10/2018 22:00	0	7.27	17.2	0	0.02	0	9.48
07/10/2018 00:00	0.01	7.22	15.9	0	0.02	0	9.47
07/10/2018 01:00	0.1	7.99	13.4	0	0.04	0	9.3
07/10/2018 02:00	0.2	8.77	11.4	0.12	0.02	0	9.05
07/10/2018 04:00	0.16	9.49	10.5	0	0.02	0	8.58
07/10/2018 05:00	0.15	9.97	9.4	0.28	0.05	0	7.79
07/10/2018 06:00	0.14	10.7	8.18	0.38	0.03	0	7.12
07/10/2018 07:00	0.16	11.3	7.05	0.56	0.01	0	6.57
07/10/2018 09:00	0.2	12.4	6.01	0.47	0.03	0	8.32
07/10/2018 10:00	0.32	13	5.12	0.66	0.01	0	11.5
07/10/2018 11:00	0.49	13.5	4.3	0.48	0	0	14.8
07/10/2018 13:00	0.65	14.2	3.67	0.63	0	0	17.7
07/10/2018 14:00	0.94	15	3.28	1.25	0	0	19.8
07/10/2018 15:00	1.12	15.6	3.02	1.5	0	0	20.5
07/10/2018 16:00	1.31	15.9	2.83	1.17	0	0	18.5
07/10/2018 18:00	1.41	16	2.62	1.13	0	0	15.9
07/10/2018 19:00	1.44	16.5	2.45	1.12	0.01	0	13
07/10/2018 20:00	1.36	16.8	2.4	1.36	0	0	10.6
07/10/2018 22:00	1.18	17	2.52	1.09	0.03	0	8.74
07/10/2018 23:00	1.01	17.4	2.67	1.02	0.02	0	7.48
08/10/2018 00:00	0.85	17.5	2.69	0.88	0.03	0	6.67
08/10/2018 02:00	0.8	17.9	2.54	0.96	0.01	0	6.06
08/10/2018 03:00	0.78	18.5	2.42	0.66	0.05	0	5.62
08/10/2018 04:00	0.81	18.6	2.25	0.43	0.04	0	5.31
08/10/2018 05:00	0.81	18.8	2.18	0.4	0.04	0	5.1
08/10/2018 07:00	0.82	19	2.18	0.48	0.02	0	5.01
08/10/2018 08:00	0.69	19.1	2.45	0.25	0.01	0	5.75
08/10/2018 09:00	0.53	19.6	3.35	0.37	0.04	0	8
08/10/2018 11:00	0.41	19.4	3.96	0.07	0.01	0	10.8
08/10/2018 12:00	0.41	19.5	3.64	0.3	0	0	12.9
08/10/2018 13:00	0.57	19.8	3.13	0.56	0	0	14.8
08/10/2018 14:00	1.07	20.3	2.49	0.77	0	0	17
08/10/2018 16:00	1.89	21.6	1.53	1.29	0	0	17.6
08/10/2018 17:00	2.69	21.8	0.95	1.52	0	0	16.7
08/10/2018 18:00	3.33	22.1	0.64	1.39	0	0	15.3
08/10/2018 20:00	3.3	22.7	0.66	0.98	0	0	14.2
08/10/2018 21:00	3.08	22.7	1.02	0.79	0	0	13.3
08/10/2018 22:00	2.74	22.4	1.27	0.99	0	0	12
09/10/2018 00:00	2.48	22.1	1.45	0.87	0	0	10.6

09/10/2018 01:00	2.29	22.2	1.52	0.69	0.02	0	10.2
09/10/2018 02:00	2.17	22.4	1.51	0.8	0	0	10.1
09/10/2018 03:00	2.15	22.5	1.2	0.75	0.01	0	9.85
09/10/2018 05:00	2.16	22.8	1.23	0.87	0.01	0	9.84
09/10/2018 06:00	2.02	22.5	1.4	0.54	0.01	0	9.86
09/10/2018 07:00	1.82	22.2	1.78	1.13	0	0	10.2
09/10/2018 09:00	1.52	22.7	2.2	0.64	0	0	12.1
09/10/2018 10:00	1.32	21.7	2.11	0.41	0	0	16.8
09/10/2018 11:00	2.15	22.6	0.9	0.88	0	0	21.3
09/10/2018 12:00	2.86	22.8	0.4	1.31	0	0	24.1
09/10/2018 14:00	3.4	23.1	0.25	1.96	0	0	26.2
09/10/2018 15:00	3.74	23.2	0.2	2.91	0	0	26.3
09/10/2018 16:00	4.09	23.1	0.26	2.74	0	0	22.3
09/10/2018 18:00	3.94	23.3	0.38	2.15	0	0	18.5
09/10/2018 19:00	3.78	23.4	0.69	1.42	0	0	15.6
09/10/2018 20:00	3.5	22.9	1	1.28	0	0	13.6
09/10/2018 22:00	3.19	23	1.37	0.71	0.01	0	12.4
09/10/2018 23:00	3	22.3	1.74	0.78	0	0	11.6
10/10/2018 00:00	2.54	22.6	2.1	0.61	0	0	11.4
10/10/2018 01:00	2.21	21.9	2.41	0.22	0.01	0	11.7
10/10/2018 03:00	2.04	22.1	2.61	0.66	0.01	0	12.3
10/10/2018 04:00	1.79	22.2	2.7	0.51	0.01	0	12.8
10/10/2018 05:00	1.81	22.1	2.68	0.24	0.01	0	12.9
10/10/2018 07:00	1.79	21.8	2.31	0.61	0	0	13
10/10/2018 08:00	1.79	22	2.4	0.15	0	0	13.4
10/10/2018 09:00	1.61	21.8	2.52	0.05	0	0	16
10/10/2018 10:00	1.48	22.2	2.41	0.19	0	0	19.3
10/10/2018 12:00	1.5	22.1	1.71	0.59	0	0	21.1
10/10/2018 13:00	2.08	22.9	0.7	1.06	0	0	22.6
10/10/2018 14:00	2.7	23.1	0.33	0.96	0	0	23.9
10/10/2018 16:00	2.88	23.2	0.37	1.71	0	0	22.8
10/10/2018 17:00	3.03	22.9	0.42	1.71	0	0	20.3
10/10/2018 18:00	2.96	23	0.67	1.17	0	0	18.7
10/10/2018 20:00	2.83	23	0.98	1.47	0	0	17.2
10/10/2018 21:00	2.74	22.8	1.17	0.72	0	0	16.7
10/10/2018 22:00	2.5	22.7	1.37	0.45	0.01	0	16.8
10/10/2018 23:00	2.41	23	1.64	0.48	0.01	0	16.4
11/10/2018 01:00	2.24	22.1	1.79	0.35	0	0	15.8
11/10/2018 02:00	2.13	22	1.85	0.69	0.01	0	15.4
11/10/2018 03:00	2.2	22.2	1.65	0.3	0.01	0	15.3
11/10/2018 05:00	2.36	22.4	1.58	0.32	0	0	15.3
11/10/2018 06:00	2.47	22	1.55	0.34	0	0	15
11/10/2018 07:00	2.61	22.5	1.49	0.22	0	0	14.8
11/10/2018 08:00	2.64	22.4	1.46	0.32	0	0	15.9
11/10/2018 10:00	3.06	22.9	0.95	0.35	0	0	18.6
11/10/2018 11:00	3.63	23.6	0.5	0.77	0	0	20.9
11/10/2018 12:00	4.01	23.3	0.42	1.31	0	0	21.1

11/10/2018 14:00	4.3	23.5	0.39	0.96	0	0	20
11/10/2018 15:00	4.4	23.4	0.41	1.47	0	0	18.7
11/10/2018 16:00	4.55	23.5	0.56	1.06	0	0	17.6
11/10/2018 18:00	4.37	23.6	0.8	0.51	0	0	16.7
11/10/2018 19:00	4.5	23.4	0.85	0.4	0.01	0	15.7
11/10/2018 20:00	4.37	22.8	1.14	0.46	0.01	0	14.8
11/10/2018 21:00	4.13	22.6	1.44	0.77	0	0	14.1
11/10/2018 23:00	3.88	22.9	1.55	0.51	0.01	0	13.8
12/10/2018 00:00	3.64	23.1	1.44	0.52	0	0	13.8
12/10/2018 01:00	3.69	22.5	1.29	0.63	0.01	0	14
12/10/2018 03:00	3.93	22.9	1.08	0.67	0	0	14
12/10/2018 04:00	4.22	23.2	0.88	0.9	0	0	14.1
12/10/2018 05:00	4.55	23.4	0.72	0.77	0	0	14.2
12/10/2018 06:00	4.9	23.3	0.57	1.36	0	0	14.4
12/10/2018 08:00	5.08	23.8	0.48	1.1	0	0	14.6
12/10/2018 09:00	5.34	23.7	0.44	1.13	0	0	15.4
12/10/2018 10:00	5.58	23.8	0.32	1.01	0	0	16.7
12/10/2018 12:00	5.8	23.9	0.2	1.36	0	0	18.6
12/10/2018 13:00	5.73	24.4	0.15	1.71	0	0	19.1
12/10/2018 14:00	5.93	24.1	0.16	1.85	0	0	19.4
12/10/2018 16:00	6.09	23.9	0.1	1.66	0	0	20
12/10/2018 17:00	6.06	24.3	0.15	1.69	0	0	19.4
12/10/2018 18:00	6.04	24	0.24	1.82	0	0	18.5
12/10/2018 19:00	6.07	23.6	0.37	1.63	0	0	17.9
12/10/2018 21:00	6.21	23.7	0.4	1.53	0	0	17.6
12/10/2018 22:00	6.09	24.4	0.35	1.17	0	0	17.5
12/10/2018 23:00	6.22	23.6	0.33	1.09	0	0	17.3
13/10/2018 01:00	6.29	23.8	0.38	1.42	0	0	17
13/10/2018 02:00	6.32	24.1	0.41	1.25	0	0	16.8
13/10/2018 03:00	6.22	23.7	0.39	1.2	0	0	16.9
13/10/2018 04:00	6.34	23.8	0.47	1.17	0	0	16.7
13/10/2018 06:00	6.22	24	0.48	1.2	0	0	16.6
13/10/2018 07:00	6.34	23.7	0.45	1.09	0	0	16.6
13/10/2018 08:00	6.41	23.5	0.55	1.09	0.01	0	17
13/10/2018 10:00	6.22	23.4	0.62	0.48	0	0	18.1
13/10/2018 11:00	6.16	23.6	0.67	0.45	0	0	18.6
13/10/2018 12:00	6.24	24.5	0.57	0.8	0	0	19.7
13/10/2018 14:00	6.29	23.5	0.49	0.83	0	0	22
13/10/2018 15:00	6.2	24.1	0.5	1.31	0	0	23.9
13/10/2018 16:00	6.1	23.8	0.5	1.26	0	0	22.6
13/10/2018 17:00	6.05	23.5	0.64	1.09	0	0	20.5
13/10/2018 19:00	6.01	23.3	0.81	0.83	0	0	18.6
13/10/2018 20:00	5.98	23.6	0.9	0.19	0	0	17.9
13/10/2018 23:00	5.71	23.4	0.92	0.49	0	0	17.3
14/10/2018 00:00	5.83	23.2	0.93	0.5	0	0	16.9
14/10/2018 01:00	5.86	23.9	0.9	0.66	0.01	0	16.6
14/10/2018 02:00	5.72	23.1	0.96	0.53	0.01	0	15.9

14/10/2018 04:00	5.75	23	1.03	0.1	0	0	15.3
14/10/2018 05:00	5.73	22.7	1.1	0.42	0.01	0	14.8
14/10/2018 06:00	5.78	22.4	1.07	0.1	0.01	0	14.2
14/10/2018 08:00	5.67	23.4	1.17	0.33	0.02	0	13.8
14/10/2018 09:00	5.45	23.1	1.47	0.08	0.01	0	13.6
14/10/2018 10:00	4.86	22.4	1.98	0	0	0	13.8
14/10/2018 12:00	4.11	22.6	2.68	0.02	0.01	0	13.6
14/10/2018 13:00	3.37	22.1	3.29	0	0.01	0	13.3
14/10/2018 14:00	2.61	21.6	4.22	0	0.01	0	13.2
14/10/2018 15:00	0.79	19.4	8.41	0	0.01	0	13.1
14/10/2018 17:00	0.14	16.4	11.4	0	0	0	12.9
14/10/2018 18:00	0.01	14.6	12.7	0	0.01	0	12.4
14/10/2018 19:00	0.01	13.2	13.8	0	0	0	12.1
14/10/2018 21:00	0.01	12.5	13.4	0	0.02	0	11.8
14/10/2018 22:00	0	11.4	13.8	0	0.01	0	11.4
14/10/2018 23:00	0	11.2	13.5	0	0.01	0	10.9
15/10/2018 00:00	0	11.2	12.9	0	0.01	0	10.7
15/10/2018 02:00	0.01	11.4	12.1	0	0.01	0	10.8
15/10/2018 03:00	0.01	11.8	11	0	0	0.02	10.8
15/10/2018 04:00	0.01	12.4	9.72	0	0.01	0.04	11.1
15/10/2018 06:00	0.01	12.8	9.13	0	0	0.04	11.5
15/10/2018 07:00	0.01	13.2	8.59	0	0.03	0.03	11.7
15/10/2018 08:00	0.01	13.4	8.19	0	0.01	0.03	11.9
15/10/2018 10:00	0.01	13.6	8.06	0.04	0	0	12.6
15/10/2018 11:00	0.02	13.9	8.13	0	0.01	0	13.5
15/10/2018 12:00	0.02	14.1	8.26	0	0.01	0	14.8
15/10/2018 13:00	0	14.2	8.36	0	0	0	18.9
15/10/2018 15:00	0.01	14.1	8.17	0.02	0	0	21.5
15/10/2018 16:00	0.01	14.1	7.66	0	0	0	20.1
15/10/2018 17:00	0.02	14.5	7.05	0	0	0	18.1
15/10/2018 19:00	0.05	14.7	6.48	0.12	0	0	15.7
15/10/2018 20:00	0.07	15	6	0.54	0	0	13.7
15/10/2018 21:00	0.05	15.2	5.75	0.16	0	0	13.2
15/10/2018 22:00	0.06	15.4	5.61	0.35	0.02	0	13.2
16/10/2018 00:00	0.08	15.6	5.55	0.5	0	0	13.3
16/10/2018 01:00	0.08	15.8	5.47	0.28	0.01	0	13.4
16/10/2018 02:00	0.1	15.6	5.28	0.25	0	0	13.6
16/10/2018 04:00	0.11	16.2	5.01	0.28	0	0	13.8
16/10/2018 05:00	0.16	16.6	4.71	0.61	0	0	13.3
16/10/2018 06:00	0.18	16.9	4.49	0.61	0	0	12.6
16/10/2018 08:00	0.19	16.8	4.43	0.38	0.01	0.01	12.2
16/10/2018 09:00	0.18	17.1	4.53	0.48	0.01	0	13.6
16/10/2018 10:00	0.18	17.1	4.65	0.35	0	0	17.1
16/10/2018 11:00	0.17	17.2	4.37	0.3	0	0	21.2
16/10/2018 13:00	0.31	17.2	4.05	0.9	0	0	23.8
16/10/2018 14:00	0.54	17.7	3.56	0.74	0	0	21.5
16/10/2018 15:00	0.84	18.1	3.13	1.09	0	0	19.5

16/10/2018 17:00	1.12	18.4	2.91	1.17	0	0	18.5
16/10/2018 18:00	1.38	18.7	2.76	0.72	0	0	17.2
16/10/2018 19:00	1.64	19.4	2.6	0.79	0.01	0	15.8
16/10/2018 20:00	1.8	19.2	2.5	0.77	0.01	0	15
16/10/2018 22:00	1.9	19.7	2.45	0.51	0	0	14.4
16/10/2018 23:00	1.95	19.3	2.27	0.82	0	0	13.9
17/10/2018 00:00	2.02	19.6	2.17	0.56	0.02	0.03	12.8
17/10/2018 02:00	2.13	19.8	2.1	0.61	0	0.19	11.9
17/10/2018 03:00	2.18	20	2	0.53	0	0.3	11.9
17/10/2018 04:00	2.25	20.4	2.02	0.61	0	0.24	11.5
17/10/2018 06:00	2.19	20	2.12	0.83	0.03	0.62	10.3
17/10/2018 07:00	1.96	19.9	2.34	0.5	0.03	1.09	9.32
17/10/2018 08:00	1.77	20.2	2.74	0.79	0.04	1.17	9.72



BaroPres[H	windDir[°]	windKPH[k	windGustK	precip1Hr[mm]
1034	103	0	1.6	0
1035	116	0	1.6	0
1034	314	0	1.6	0
1033	100	0	1.6	0
1033	126	0	1.6	0
1032	126	0	0	0
1032	126	0	0	0
1032	126	0	0	0
1031	126	0	0	0
1031	126	0	0	0
1030	126	0	0	0
1029	126	0	0	0
1029	126	0	0	0
1029	126	0	0	0
1028	126	0	0	0
1029	126	0	0	0
1028	122	0	1.6	0
1028	122	0	1.6	0
1028	114	0	3.2	0
1027	99	0	1.6	0
1027	122	0	1.6	0
1026	250	0	1.6	0
1025	63	0	1.6	0
1025	117	0	0	0
1025	117	0	0	0
1025	117	0	0	0
1025	117	0	0	0
1025	117	0	0	0
1025	24	1.6	1.6	0
1025	100	1.6	3.2	0
1025	123	0	4.8	0
1026	172	0	1.6	0
1027	50	0	1.6	0
1029	53	0	1.6	0
1030	88	3.2	4.8	0
1031	72	0	6.4	0
1031	8	1.6	6.4	0
1031	310	0	4.8	0
1031	223	0	3.2	0
1030	105	0	3.2	0

1031	25	0	1.6	0
1031	147	0	3.2	0
1032	15	0	1.6	0
1032	45	0	1.6	0
1032	35	0	1.6	0
1032	300	0	1.6	0
1031	292	0	1.6	0
1031	302	0	1.6	0
1030	293	0	1.6	0
1030	314	0	1.6	0
1030	290	0	1.6	0
1030	294	0	1.6	0
1030	56	0	1.6	0
1030	110	0	3.2	0
1029	130	0	3.2	0
1029	129	0	3.2	0
1026	132	0	3.2	0
1025	101	0	0	0
1024	98	0	1.6	0
1024	253	0	0	0
1023	255	0	1.6	0
1022	255	0	0	0
1022	255	0	0	0
1021	258	0	0	0
1021	260	0	0	0
1020	296	0	0	0
1020	308	0	0	0
1020	308	0	0	0
1021	318	0	0	0
1021	42	0	1.6	0
1021	79	1.6	1.6	0
1021	273	1.6	4.8	0
1020	293	0	4.8	0
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1020	299	0	3.2	0
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1020	299	0	1.6	0
1021	285	0	3.2	0
1021	351	0	1.6	0
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1022	311	0	3.2	0
1023	309	0	3.2	0
1023	108	0	3.2	0
1023	307	0	3.2	0
1024	296	0	1.6	0
1025	314	0	1.6	0
1026	338	0	3.2	0

1028	278	0	4.8	0
1029	115	0	3.2	0
1029	334	3.2	6.4	0
1029	81	1.6	4.8	0
1029	107	0	4.8	0
1028	238	0	3.2	0
1027	309	1.6	4.8	0
1027	324	0	1.6	0
1027	323	0	0	0
1027	333	0	1.6	0
1026	249	0	3.2	0
1026	321	0	3.2	0
1025	290	0	4.8	0
1024	262	0	1.6	0
1022	62	0	1.6	0
1021	45	0	4.8	0
1021	253	3.2	3.2	0
1021	311	1.6	4.8	0
1022	86	0	1.6	0
1022	264	0	3.2	0
1022	310	3.2	4.8	0
1022	322	0	1.6	0
1022	279	0	6.4	0
1022	76	3.2	6.4	0
1023	17	0	4.8	0
1023	1	0	4.8	0
1024	281	0	4.8	0
1024	117	0	1.6	0
1024	297	0	3.2	0
1025	305	0	1.6	0
1025	263	0	3.2	0
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1026	306	0	3.2	0
1026	266	0	1.6	0
1027	307	0	1.6	0
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1029	283	0	1.6	0
1029	19	0	0	0
1029	307	0	1.6	0
1028	316	0	0	0

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1027	321	0	0	0
1026	320	0	0	0
1027	333	0	1.6	0
1027	298	0	1.6	0
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1027	279	0	0	0
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1025	291	0	1.6	0
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1017	133	0	3.2	0
1016	107	0	3.2	0
1015	140	0	1.6	0
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1013	115	0	0	0
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1011	115	0	0	0
1011	115	0	0	0
1010	328	0	0	0
1009	328	0	1.6	0
1008	316	0	0	0
1009	312	0	1.6	0
1008	46	0	1.6	0
1008	344	1.6	3.2	0
1008	98	0	3.2	0

1009	100	1.6	6.4	0
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1009	339	1.6	8	4
1009	179	0	6.4	2
1010	336	1.6	11.3	0
1011	5	1.6	8	0
1013	295	0	12.9	0
1014	6	3.2	8	0
1015	143	0	8	0
1015	95	3.2	8	0
1016	280	6.4	8	0
1018	285	0	4.8	0
1019	95	0	4.8	0
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1021	255	0	4.8	0
1022	257	0	3.2	0
1022	96	0	4.8	0
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1024	53	0	1.6	0
1024	229	0	4.8	0
1024	286	1.6	3.2	0
1024	281	0	3.2	0
1024	311	0	1.6	0
1024	323	0	0	0
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1022	316	0	0	0
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1022	316	0	0	0
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1022	274	0	0	0
1023	274	0	0	0
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1023		0	1.6	0
1022		0	3.2	0
1022		0	1.6	0
1022		0	3.2	0
1021		0	4.8	0
1021		0	1.6	0
1022		0	1.6	0
1022		0	1.6	0
1022		0	0	0
1020		0	0	0

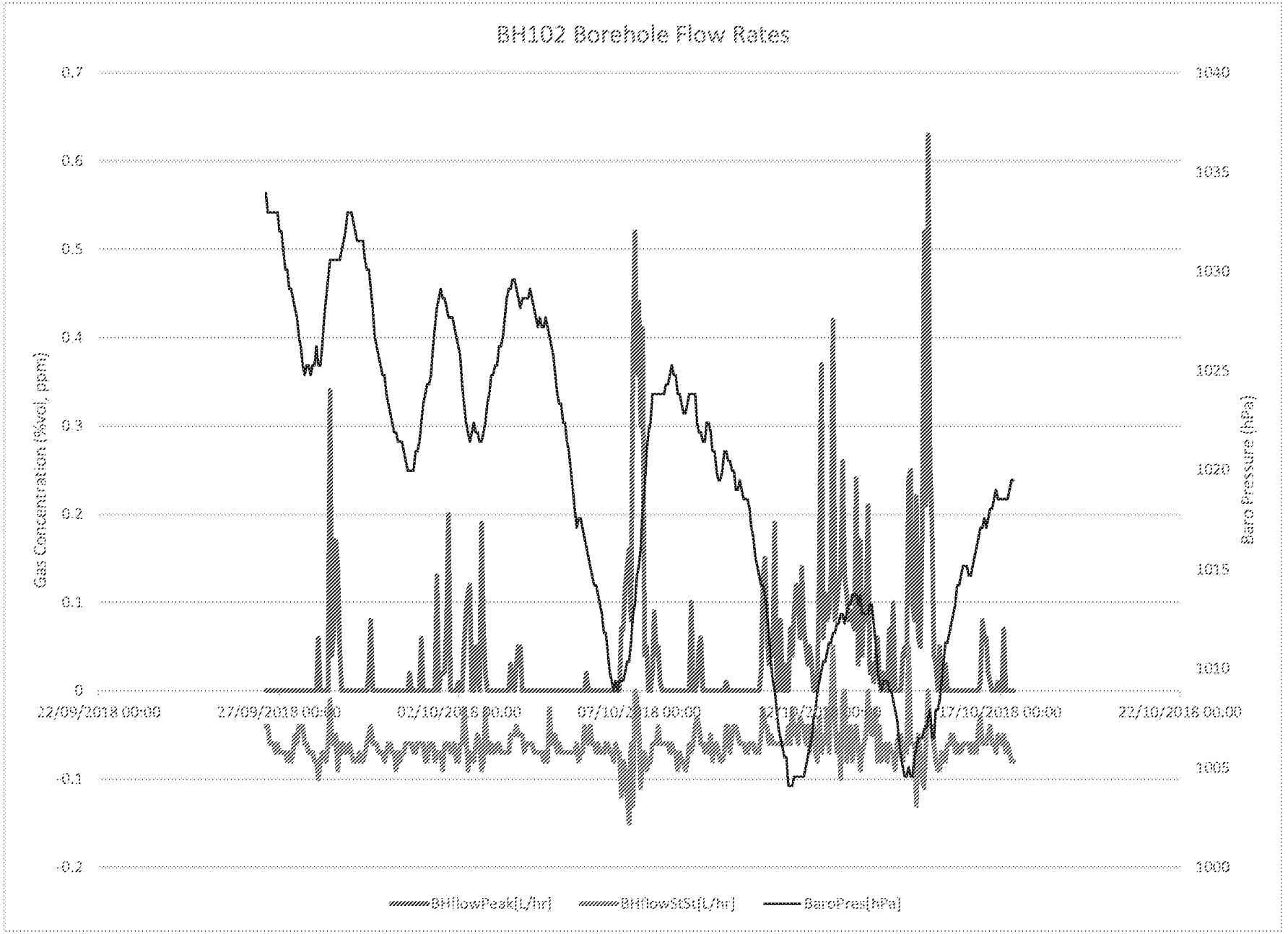
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1021		0	3.2	0
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1015		0	1.6	0
1014		0	1.6	0
1014		0	1.6	0
1015		0	3.2	0
1014		1.6	4.8	0
1014		0	4.8	0
1013		0	3.2	0
1011		0	3.2	0
1010		0	4.8	0
1009		1.6	4.8	0
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1008		0	3.2	0
1007		0	4.8	0
1006		1.6	3.2	0
1006		0	1.6	0
1005		1.6	3.2	0
1005		0	3.2	0
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1004		1.6	4.8	0
1005		0	3.2	0
1005		1.6	4.8	0
1005		1.6	4.8	0
1005		0	4.8	0

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1005		1.6	4.8	0
1006		0	3.2	1
1007		0	3.2	1
1007		0	1.6	5
1007		1.6	4.8	0
1008		0	1.6	0
1009		0	1.6	0
1009		0	3.2	0
1009		1.6	3.2	0
1010		1.6	1.6	0
1010		0	4.8	0
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1010		0	3.2	0
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1011		0	4.8	0
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1012		1.6	6.4	0
1013		4.8	9.7	0
1013		1.6	8	0
1013		1.6	6.4	0
1013		0	3.2	0
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1013		1.6	3.2	0
1013		3.2	6.4	0
1013		3.2	4.8	0
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1013		3.2	4.8	0
1012		1.6	3.2	0
1011		0	4.8	0
1010		0	6.4	0
1009		0	3.2	0
1009		0	1.6	0
1010		1.6	4.8	0
1010		0	4.8	0
1009		0	3.2	0
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1008		0	3.2	0
1008		0	1.6	0

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1005		0	1.6	1
1004		0	4.8	0
1004		0	4.8	0
1005		0	3.2	0
1005		0	6.4	0
1004		0	4.8	0
1005		1.6	8	0
1005		1.6	4.8	0
1006		3.2	6.4	0
1006		0	8	0
1007		0	8	0
1007		1.6	6.4	0
1006		0	6.4	7
1007		1.6	6.4	6
1007		0	6.4	3
1006		0	6.4	1
1006		3.2	3.2	2
1007		1.6	1.6	0
1008		0	1.6	0
1008		0	3.2	0
1008		0	1.6	0
1009		0	3.2	0
1010		0	3.2	0
1011		0	1.6	0
1011		0	1.6	0
1012		0	1.6	0
1013		0	1.6	0
1013		0	1.6	0
1014		0	0	0
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1014		0	1.6	0
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1018		0	0	0
1019		0	0	0

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH102

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
26/09/2018 15:21	0	-0.04	1033.94
26/09/2018 16:38	0	-0.04	1032.97
26/09/2018 17:56	0	-0.06	1032.97
26/09/2018 19:14	0	-0.06	1032.97
26/09/2018 20:32	0	-0.06	1032.97
26/09/2018 21:50	0	-0.07	1032.97
26/09/2018 23:08	0	-0.06	1032.97
27/09/2018 00:25	0	-0.07	1032.01
27/09/2018 01:43	0	-0.07	1032.01
27/09/2018 03:01	0	-0.07	1031.05
27/09/2018 04:18	0	-0.07	1030.09
27/09/2018 05:36	0	-0.08	1030.09
27/09/2018 06:53	0	-0.07	1029.12
27/09/2018 08:11	0	-0.08	1029.12
27/09/2018 09:28	0	-0.07	1028.64
27/09/2018 10:44	0	-0.05	1028.16
27/09/2018 12:02	0	-0.06	1027.68
27/09/2018 13:19	0	-0.04	1026.71
27/09/2018 14:37	0	-0.04	1026.23
27/09/2018 15:55	0	-0.04	1025.27
27/09/2018 17:13	0	-0.06	1024.79
27/09/2018 18:31	0	-0.06	1025.27
27/09/2018 19:49	0	-0.07	1025.27
27/09/2018 21:07	0	-0.07	1024.79
27/09/2018 22:25	0	-0.07	1025.27
27/09/2018 23:43	0	-0.08	1025.27
28/09/2018 01:00	0	-0.08	1026.23
28/09/2018 02:18	0.06	-0.1	1025.27
28/09/2018 03:35	0	-0.08	1025.27
28/09/2018 04:53	0	-0.07	1026.23
28/09/2018 06:10	0	-0.07	1027.68
28/09/2018 07:28	0	-0.08	1028.64
28/09/2018 08:45	0	-0.06	1029.6
28/09/2018 10:02	0.34	-0.01	1030.57
28/09/2018 11:19	0.04	-0.06	1030.57
28/09/2018 12:37	0.07	-0.05	1030.57
28/09/2018 13:55	0.17	-0.05	1030.57
28/09/2018 15:13	0.14	-0.09	1030.57

28/09/2018 16:30	0.05	-0.06	1030.57
28/09/2018 17:48	0	-0.07	1031.05
28/09/2018 19:06	0	-0.06	1031.53
28/09/2018 20:24	0	-0.07	1032.01
28/09/2018 21:42	0	-0.07	1032.97
28/09/2018 23:00	0	-0.06	1032.97
29/09/2018 00:17	0	-0.07	1032.97
29/09/2018 01:35	0	-0.08	1032.49
29/09/2018 02:53	0	-0.08	1032.01
29/09/2018 04:10	0	-0.08	1031.53
29/09/2018 05:28	0	-0.07	1031.53
29/09/2018 06:45	0	-0.08	1031.53
29/09/2018 08:03	0	-0.08	1031.53
29/09/2018 09:20	0	-0.07	1030.57
29/09/2018 10:37	0	-0.06	1030.09
29/09/2018 11:54	0.02	-0.05	1030.09
29/09/2018 13:12	0.08	-0.04	1029.12
29/09/2018 14:30	0	-0.06	1028.16
29/09/2018 15:48	0	-0.06	1026.71
29/09/2018 17:06	0	-0.06	1026.23
29/09/2018 18:24	0	-0.07	1025.75
29/09/2018 19:42	0	-0.07	1025.27
29/09/2018 21:00	0	-0.07	1024.79
29/09/2018 22:18	0	-0.08	1024.79
29/09/2018 23:35	0	-0.07	1023.83
30/09/2018 00:53	0	-0.06	1023.34
30/09/2018 02:11	0	-0.06	1022.86
30/09/2018 03:28	0	-0.07	1022.38
30/09/2018 04:46	0	-0.07	1021.9
30/09/2018 06:03	0	-0.09	1021.9
30/09/2018 07:21	0	-0.07	1021.42
30/09/2018 08:38	0	-0.08	1021.42
30/09/2018 09:55	0	-0.07	1021.42
30/09/2018 11:12	0	-0.07	1020.94
30/09/2018 12:30	0	-0.06	1020.46
30/09/2018 13:48	0	-0.06	1019.97
30/09/2018 15:06	0.02	-0.06	1019.97
30/09/2018 16:23	0	-0.06	1019.97
30/09/2018 17:41	0	-0.07	1019.97
30/09/2018 18:58	0	-0.07	1020.94
30/09/2018 20:16	0	-0.06	1020.94
30/09/2018 21:34	0	-0.06	1021.42
30/09/2018 22:51	0.06	-0.06	1022.38
01/10/2018 00:09	0	-0.06	1023.34
01/10/2018 01:27	0	-0.08	1023.83
01/10/2018 02:44	0	-0.08	1024.31
01/10/2018 04:02	0	-0.06	1024.31

01/10/2018 05:19	0	-0.06	1024.79
01/10/2018 06:37	0	-0.06	1026.23
01/10/2018 07:54	0	-0.08	1027.2
01/10/2018 09:12	0.13	-0.07	1028.16
01/10/2018 10:28	0	-0.07	1028.64
01/10/2018 11:46	0.02	-0.07	1029.12
01/10/2018 13:04	0.02	-0.09	1028.64
01/10/2018 14:22	0.02	-0.06	1028.64
01/10/2018 15:40	0.08	-0.06	1028.16
01/10/2018 16:58	0.2	-0.06	1027.68
01/10/2018 18:15	0	-0.07	1027.68
01/10/2018 19:33	0	-0.07	1027.68
01/10/2018 20:51	0	-0.06	1027.2
01/10/2018 22:09	0	-0.08	1026.71
01/10/2018 23:27	0.01	-0.08	1026.23
02/10/2018 00:44	0	-0.06	1025.75
02/10/2018 02:02	0	-0.06	1024.31
02/10/2018 03:19	0.05	-0.02	1023.34
02/10/2018 04:37	0.09	-0.05	1022.38
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02/10/2018 07:11	0.12	-0.07	1021.42
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02/10/2018 09:46	0	-0.08	1022.38
02/10/2018 11:03	0.05	-0.06	1021.9
02/10/2018 12:21	0.02	-0.05	1021.9
02/10/2018 13:38	0	-0.06	1021.42
02/10/2018 14:56	0.19	-0.09	1021.42
02/10/2018 16:13	0.07	-0.08	1021.9
02/10/2018 17:31	0.02	-0.02	1022.38
02/10/2018 18:48	0	-0.07	1023.34
02/10/2018 20:06	0	-0.07	1023.83
02/10/2018 21:24	0	-0.06	1024.79
02/10/2018 22:41	0	-0.07	1024.79
02/10/2018 23:59	0	-0.07	1025.27
03/10/2018 01:16	0	-0.06	1025.27
03/10/2018 02:34	0	-0.06	1026.23
03/10/2018 03:51	0	-0.07	1026.23
03/10/2018 05:09	0	-0.07	1026.71
03/10/2018 06:27	0	-0.07	1027.68
03/10/2018 07:44	0	-0.07	1028.64
03/10/2018 09:02	0	-0.07	1029.12
03/10/2018 10:18	0.03	-0.05	1029.12
03/10/2018 11:35	0.01	-0.05	1029.6
03/10/2018 12:53	0	-0.05	1029.6
03/10/2018 14:11	0.03	-0.04	1029.12
03/10/2018 15:29	0.05	-0.05	1028.64
03/10/2018 16:47	0.05	-0.05	1028.16

03/10/2018 18:05	0	-0.05	1028.64
03/10/2018 19:23	0	-0.07	1028.64
03/10/2018 20:41	0	-0.06	1028.64
03/10/2018 21:58	0	-0.06	1028.64
03/10/2018 23:16	0	-0.06	1029.12
04/10/2018 00:34	0	-0.06	1028.64
04/10/2018 01:51	0	-0.07	1028.16
04/10/2018 03:09	0	-0.07	1027.68
04/10/2018 04:27	0	-0.07	1027.2
04/10/2018 05:44	0	-0.07	1027.68
04/10/2018 07:01	0	-0.07	1027.2
04/10/2018 08:19	0	-0.08	1027.2
04/10/2018 09:36	0	-0.07	1027.68
04/10/2018 10:54	0	-0.08	1027.2
04/10/2018 12:11	0	-0.02	1026.71
04/10/2018 13:29	0	-0.06	1026.23
04/10/2018 14:46	0	-0.06	1025.75
04/10/2018 16:03	0	-0.05	1024.79
04/10/2018 17:21	0	-0.07	1023.83
04/10/2018 18:38	0	-0.06	1023.34
04/10/2018 19:56	0	-0.07	1023.34
04/10/2018 21:14	0	-0.07	1022.38
04/10/2018 22:31	0	-0.07	1022.38
04/10/2018 23:49	0	-0.07	1021.42
05/10/2018 01:07	0	-0.07	1020.94
05/10/2018 02:24	0	-0.07	1019.97
05/10/2018 03:42	0	-0.07	1019.01
05/10/2018 04:59	0	-0.07	1018.05
05/10/2018 06:17	0	-0.06	1017.09
05/10/2018 07:34	0	-0.08	1017.57
05/10/2018 08:52	0	-0.07	1017.57
05/10/2018 10:08	0	-0.07	1017.09
05/10/2018 11:25	0	-0.04	1016.6
05/10/2018 12:43	0.02	-0.05	1016.12
05/10/2018 14:00	0	-0.06	1015.64
05/10/2018 15:18	0	-0.04	1015.16
05/10/2018 16:36	0	-0.06	1014.68
05/10/2018 17:54	0	-0.06	1014.2
05/10/2018 19:13	0	-0.07	1014.2
05/10/2018 20:30	0	-0.06	1013.72
05/10/2018 21:48	0	-0.07	1013.23
05/10/2018 23:06	0	-0.07	1012.75
06/10/2018 00:24	0	-0.07	1011.79
06/10/2018 01:41	0	-0.06	1011.79
06/10/2018 02:59	0	-0.06	1010.83
06/10/2018 04:16	0	-0.07	1009.86
06/10/2018 05:34	0	-0.07	1009.38

06/10/2018 06:51	0	-0.08	1008.9
06/10/2018 08:09	0	-0.06	1009.38
06/10/2018 09:26	0	-0.07	1008.9
06/10/2018 10:43	0	-0.07	1009.38
06/10/2018 12:01	0.07	-0.12	1009.38
06/10/2018 13:19	0.07	-0.08	1009.38
06/10/2018 14:36	0.12	-0.09	1009.86
06/10/2018 15:54	0.14	-0.12	1010.35
06/10/2018 17:11	0.16	-0.15	1010.35
06/10/2018 18:29	0.08	-0.06	1011.31
06/10/2018 19:46	0.39	-0.13	1012.75
06/10/2018 21:04	0.52	0	1013.23
06/10/2018 22:21	0.36	-0.01	1014.68
06/10/2018 23:39	0.44	-0.04	1015.16
07/10/2018 00:56	0.3	-0.11	1016.12
07/10/2018 02:14	0.41	-0.07	1018.05
07/10/2018 03:31	0.04	-0.07	1019.01
07/10/2018 04:49	0.05	-0.09	1020.94
07/10/2018 06:07	0	-0.08	1021.9
07/10/2018 07:24	0	-0.08	1022.38
07/10/2018 08:42	0.02	-0.06	1023.83
07/10/2018 09:58	0.09	-0.06	1023.83
07/10/2018 11:15	0.04	-0.06	1023.83
07/10/2018 12:33	0.05	-0.04	1023.83
07/10/2018 13:51	0.01	-0.06	1023.83
07/10/2018 15:09	0	-0.06	1023.83
07/10/2018 16:27	0	-0.06	1023.83
07/10/2018 17:45	0	-0.06	1024.31
07/10/2018 19:03	0	-0.06	1024.31
07/10/2018 20:20	0	-0.07	1024.79
07/10/2018 21:38	0	-0.06	1025.27
07/10/2018 22:56	0	-0.07	1024.79
08/10/2018 00:14	0	-0.07	1024.79
08/10/2018 01:31	0	-0.09	1023.83
08/10/2018 02:49	0	-0.07	1023.83
08/10/2018 04:06	0	-0.08	1023.34
08/10/2018 05:24	0	-0.08	1022.86
08/10/2018 06:42	0	-0.09	1022.86
08/10/2018 07:59	0	-0.08	1023.34
08/10/2018 09:16	0	-0.06	1023.83
08/10/2018 10:34	0.1	-0.07	1023.83
08/10/2018 11:51	0	-0.06	1023.83
08/10/2018 13:08	0	-0.04	1023.83
08/10/2018 14:25	0.01	-0.03	1022.38
08/10/2018 15:43	0.05	-0.04	1021.9
08/10/2018 17:00	0.06	-0.06	1021.9
08/10/2018 18:18	0	-0.06	1021.42

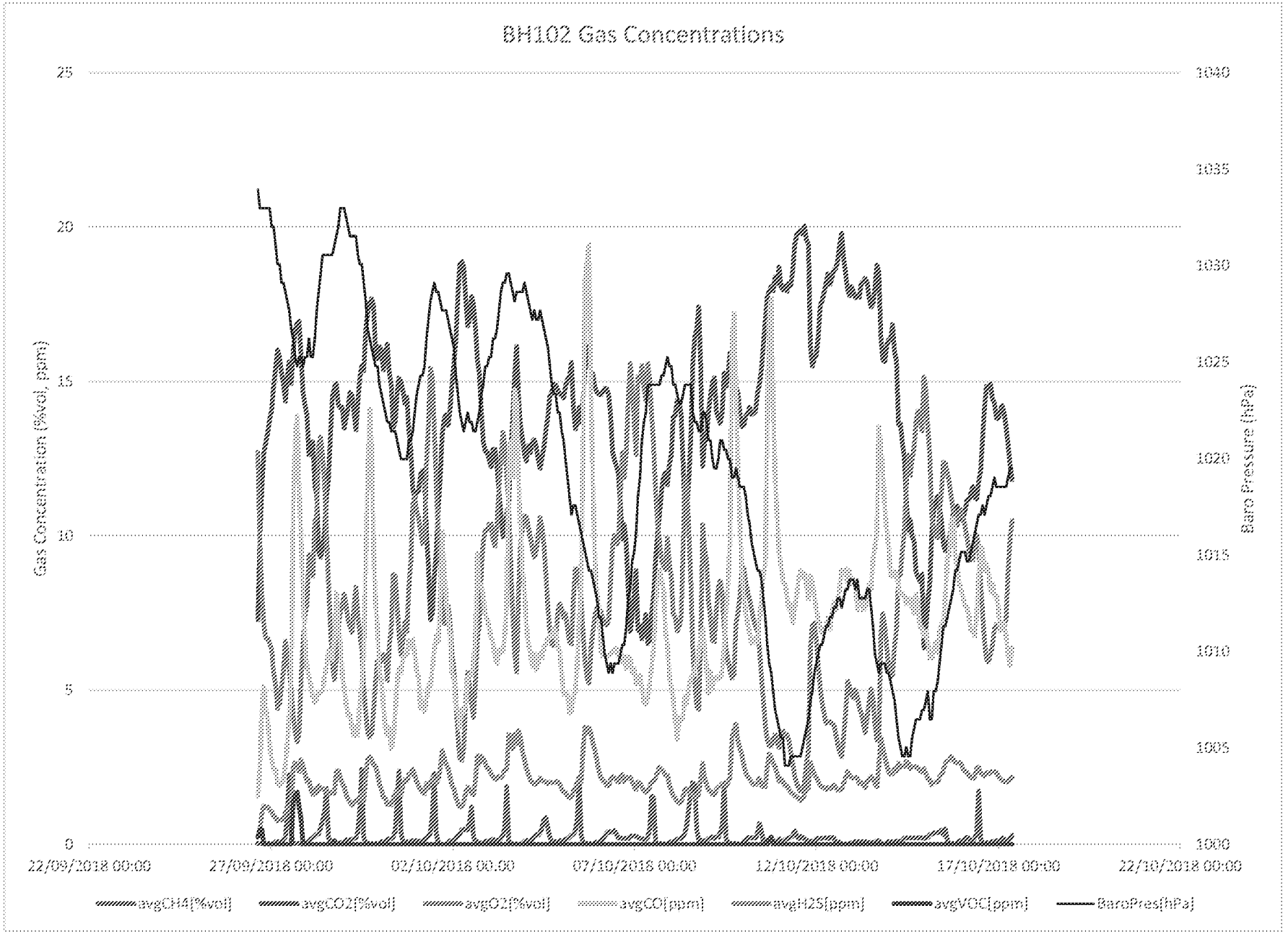
08/10/2018 19:36	0	-0.07	1021.42
08/10/2018 20:53	0	-0.06	1022.38
08/10/2018 22:11	0	-0.07	1022.38
08/10/2018 23:28	0	-0.05	1021.9
09/10/2018 00:46	0	-0.08	1020.94
09/10/2018 02:04	0	-0.06	1020.94
09/10/2018 03:21	0	-0.06	1019.97
09/10/2018 04:39	0	-0.07	1019.49
09/10/2018 05:56	0	-0.08	1019.49
09/10/2018 07:14	0	-0.08	1019.97
09/10/2018 08:31	0	-0.07	1020.94
09/10/2018 09:48	0.01	-0.04	1020.94
09/10/2018 11:05	0	-0.04	1020.46
09/10/2018 12:22	0	-0.07	1020.46
09/10/2018 13:40	0	-0.05	1019.97
09/10/2018 14:58	0	-0.04	1019.97
09/10/2018 16:16	0	-0.04	1019.01
09/10/2018 17:34	0	-0.05	1019.01
09/10/2018 18:52	0	-0.06	1019.49
09/10/2018 20:10	0	-0.06	1019.01
09/10/2018 21:28	0	-0.06	1018.53
09/10/2018 22:46	0	-0.07	1018.53
10/10/2018 00:03	0	-0.07	1018.53
10/10/2018 01:21	0	-0.06	1018.05
10/10/2018 02:38	0	-0.06	1017.09
10/10/2018 03:56	0	-0.06	1016.6
10/10/2018 05:13	0	-0.07	1015.64
10/10/2018 06:31	0	-0.07	1015.16
10/10/2018 07:48	0	-0.07	1014.68
10/10/2018 09:06	0.02	-0.05	1014.2
10/10/2018 10:22	0.13	-0.02	1014.2
10/10/2018 11:40	0.15	-0.04	1013.72
10/10/2018 12:57	0.07	-0.04	1012.75
10/10/2018 14:15	0.03	-0.06	1011.79
10/10/2018 15:33	0.05	-0.05	1010.35
10/10/2018 16:51	0.04	-0.06	1009.38
10/10/2018 18:09	0.19	-0.06	1008.9
10/10/2018 19:27	0	-0.06	1007.94
10/10/2018 20:45	0	-0.06	1006.97
10/10/2018 22:03	0.08	-0.06	1006.49
10/10/2018 23:20	0	-0.06	1006.01
11/10/2018 00:38	0	-0.06	1005.53
11/10/2018 01:55	0.03	-0.06	1005.53
11/10/2018 03:13	0	-0.04	1004.09
11/10/2018 04:30	0.07	-0.06	1004.09
11/10/2018 05:48	0.04	-0.02	1004.09
11/10/2018 07:05	0.09	-0.05	1004.57

11/10/2018 08:23	0.12	-0.04	1004.57
11/10/2018 09:40	0.11	-0.06	1004.57
11/10/2018 10:57	0.06	-0.03	1004.57
11/10/2018 12:15	0.14	-0.04	1004.57
11/10/2018 13:32	0.07	-0.04	1004.57
11/10/2018 14:50	0.05	-0.06	1005.05
11/10/2018 16:08	0.03	-0.04	1005.53
11/10/2018 17:25	0.05	-0.07	1006.01
11/10/2018 18:43	0.03	-0.04	1006.49
11/10/2018 20:00	0	-0.04	1007.46
11/10/2018 21:18	0	-0.07	1007.94
11/10/2018 22:36	0.02	-0.08	1008.9
11/10/2018 23:53	0.14	-0.03	1009.38
12/10/2018 01:11	0.37	-0.07	1009.86
12/10/2018 02:28	0.06	-0.06	1010.35
12/10/2018 03:46	0.11	-0.06	1010.35
12/10/2018 05:03	0.08	-0.02	1010.83
12/10/2018 06:21	0.09	-0.07	1011.31
12/10/2018 07:38	0.13	-0.01	1011.31
12/10/2018 08:55	0.42	0.05	1011.79
12/10/2018 10:13	0.08	-0.03	1011.79
12/10/2018 11:30	0.1	-0.07	1012.27
12/10/2018 12:47	0.12	-0.05	1012.27
12/10/2018 14:05	0.14	-0.1	1012.75
12/10/2018 15:22	0.26	-0.01	1012.75
12/10/2018 16:40	0.13	0	1012.27
12/10/2018 17:58	0.11	-0.08	1012.75
12/10/2018 19:15	0.08	-0.05	1013.23
12/10/2018 20:33	0.09	-0.04	1013.23
12/10/2018 21:50	0.08	-0.08	1013.72
12/10/2018 23:08	0.07	-0.05	1013.72
13/10/2018 00:26	0.24	-0.04	1013.72
13/10/2018 01:43	0.03	-0.06	1013.23
13/10/2018 03:01	0.17	-0.09	1013.72
13/10/2018 04:18	0.04	-0.07	1012.75
13/10/2018 05:36	0.11	-0.06	1012.75
13/10/2018 06:53	0.08	-0.05	1012.75
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13/10/2018 09:28	0.02	-0.04	1013.23
13/10/2018 10:45	0.03	-0.05	1013.23
13/10/2018 12:03	0.01	-0.04	1012.27
13/10/2018 13:20	0.03	-0.02	1011.31
13/10/2018 14:37	0.06	-0.08	1009.86
13/10/2018 15:55	0.01	-0.04	1009.38
13/10/2018 17:13	0	-0.08	1008.9
13/10/2018 18:31	0.02	-0.07	1009.38
13/10/2018 19:48	0	-0.06	1009.38

13/10/2018 21:06	0	-0.08	1009.38
13/10/2018 22:24	0.07	-0.06	1008.9
13/10/2018 23:41	0	-0.07	1008.9
14/10/2018 00:59	0.1	-0.07	1008.42
14/10/2018 02:16	0	-0.09	1007.94
14/10/2018 03:34	0	-0.06	1007.46
14/10/2018 04:51	0	-0.05	1006.49
14/10/2018 06:09	0	-0.05	1005.53
14/10/2018 07:26	0.04	-0.08	1005.05
14/10/2018 08:44	0.05	-0.06	1004.57
14/10/2018 10:01	0.04	-0.07	1004.57
14/10/2018 11:19	0.24	0.05	1005.05
14/10/2018 12:36	0.25	-0.06	1004.57
14/10/2018 13:54	0.1	-0.06	1004.57
14/10/2018 15:11	0.08	-0.06	1005.53
14/10/2018 16:29	0.22	-0.13	1006.01
14/10/2018 17:46	0.06	-0.05	1006.49
14/10/2018 19:04	0.05	-0.07	1006.49
14/10/2018 20:21	0.18	-0.1	1006.49
14/10/2018 21:39	0.52	-0.11	1006.97
14/10/2018 22:57	0.21	-0.05	1006.97
15/10/2018 00:14	0.63	0	1007.46
15/10/2018 01:32	0.26	-0.04	1007.94
15/10/2018 02:49	0.19	-0.04	1006.49
15/10/2018 04:07	0.04	-0.06	1006.49
15/10/2018 05:24	0.03	-0.08	1007.94
15/10/2018 06:41	0	-0.09	1007.94
15/10/2018 07:59	0.05	-0.09	1008.42
15/10/2018 09:16	0	-0.07	1009.38
15/10/2018 10:34	0	-0.08	1010.35
15/10/2018 11:51	0.03	-0.08	1011.31
15/10/2018 13:08	0	-0.06	1011.31
15/10/2018 14:25	0	-0.06	1011.79
15/10/2018 15:43	0	-0.05	1012.27
15/10/2018 17:00	0	-0.05	1012.75
15/10/2018 18:18	0	-0.07	1013.23
15/10/2018 19:36	0	-0.06	1014.2
15/10/2018 20:54	0	-0.07	1014.2
15/10/2018 22:11	0	-0.07	1014.68
15/10/2018 23:29	0	-0.06	1015.16
16/10/2018 00:46	0	-0.06	1015.16
16/10/2018 02:04	0	-0.06	1015.16
16/10/2018 03:21	0	-0.06	1014.68
16/10/2018 04:39	0	-0.07	1014.68
16/10/2018 05:56	0	-0.06	1015.16
16/10/2018 07:14	0	-0.07	1015.64
16/10/2018 08:31	0	-0.07	1016.12

16/10/2018 09:49	0	-0.04	1016.6
16/10/2018 11:05	0.01	-0.03	1017.09
16/10/2018 12:23	0.08	-0.06	1017.09
16/10/2018 13:41	0.06	-0.06	1017.57
16/10/2018 14:59	0.06	-0.06	1017.09
16/10/2018 16:16	0.02	-0.05	1017.57
16/10/2018 17:34	0.01	-0.04	1018.05
16/10/2018 18:51	0	-0.06	1018.05
16/10/2018 20:09	0	-0.06	1018.53
16/10/2018 21:27	0	-0.07	1019.01
16/10/2018 22:44	0.01	-0.05	1018.53
17/10/2018 00:02	0	-0.06	1018.53
17/10/2018 01:19	0	-0.06	1018.53
17/10/2018 02:37	0.07	-0.05	1018.53
17/10/2018 03:54	0	-0.07	1018.53
17/10/2018 05:12	0	-0.06	1018.53
17/10/2018 06:30	0	-0.07	1019.01
17/10/2018 07:47	0	-0.08	1019.49
17/10/2018 09:05	0	-0.08	1019.49

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Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH102

Time	avgCH4[%v	avgCO2[%v	avgO2[%vo	avgCO[ppm	avgH2S[pp	avgVOC[pp	BaroPres[hPa]
26/09/2018 15:21	0.03	7.27	12.7	1.57	0.3	0.24	1033.94
26/09/2018 16:38	0.04	9.96	9.83	2.48	0.46	0.49	1032.97
26/09/2018 17:56	0.04	11.49	8.14	4.3	1.01	0.49	1032.97
26/09/2018 19:14	0.02	12.69	7.15	5.12	1.25	0	1032.97
26/09/2018 20:32	0.01	13.01	6.7	4.43	1.21	0	1032.97
26/09/2018 21:50	0.04	13.35	6.68	4.01	1.21	0	1032.97
26/09/2018 23:08	0.02	13.77	6.5	3.2	1.1	0	1032.97
27/09/2018 00:25	0.01	14.09	6.32	2.74	1.06	0	1032.01
27/09/2018 01:43	0.01	14.85	5.54	2.42	0.92	0	1032.01
27/09/2018 03:01	0.09	15.42	5.2	2.45	0.87	0	1031.05
27/09/2018 04:18	0.09	16.02	4.41	1.96	0.76	0	1030.09
27/09/2018 05:36	0.08	15.78	4.58	1.89	0.81	0	1030.09
27/09/2018 06:53	0.09	15.27	5.09	2.04	0.79	0	1029.12
27/09/2018 08:11	0.18	14.97	5.59	2.09	0.84	0	1029.12
27/09/2018 09:28	0.25	14.36	6.59	2.58	1.03	0	1028.64
27/09/2018 10:44	0.97	15.18	6.15	3.26	1.21	0	1028.16
27/09/2018 12:02	2.25	15.63	5.62	4.21	1.21	0	1027.68
27/09/2018 13:19	0.38	14.93	5.03	5.48	1.04	0	1026.71
27/09/2018 14:37	0.03	15.96	4.2	10.89	2.52	1.34	1026.23
27/09/2018 15:55	0.03	16.68	3.63	13.1	2.64	1.58	1025.27
27/09/2018 17:13	0.03	16.87	3.33	13.89	2.58	1.7	1024.79
27/09/2018 18:31	0.04	16.95	3.61	11.51	2.36	1.21	1025.27
27/09/2018 19:49	0.01	15.83	5.28	10.01	2.74	0.85	1025.27
27/09/2018 21:07	0.02	14.66	6.54	8.08	2.54	0	1024.79
27/09/2018 22:25	0.03	14.24	7.41	6.62	2.29	0	1025.27
27/09/2018 23:43	0.02	13.92	7.78	5.74	2.04	0	1025.27
28/09/2018 01:00	0.09	12.62	9.4	5.44	2.08	0	1026.23
28/09/2018 02:18	0.17	12.81	9.16	5.15	1.8	0	1025.27
28/09/2018 03:35	0.21	13.04	8.69	4.79	1.61	0	1025.27
28/09/2018 04:53	0.27	11.6	10.44	4.59	1.78	0	1026.23
28/09/2018 06:10	0.33	11.36	10.67	4.73	1.67	0	1027.68
28/09/2018 07:28	0.35	9.49	12.93	4.95	1.91	0	1028.64
28/09/2018 08:45	0.55	9.3	13.19	4.92	1.83	0	1029.6
28/09/2018 10:02	0.77	9.61	12.57	4.99	1.78	0	1030.57
28/09/2018 11:19	1.05	10.11	11.76	5.44	1.8	0	1030.57
28/09/2018 12:37	1.82	11.3	10.11	5.74	1.73	0	1030.57
28/09/2018 13:55	0.24	11.83	8.51	6.29	1.65	0	1030.57
28/09/2018 15:13	0.08	13.26	6.98	6.23	1.65	0	1030.57
28/09/2018 16:30	0.1	14.48	5.89	5.97	1.69	0	1030.57
28/09/2018 17:48	0.03	14.8	5.33	6.71	1.65	0.12	1031.05
28/09/2018 19:06	0.01	14.93	5.98	8.15	2.38	0	1031.53

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28/09/2018 20:24	0.02	14.24	7.09	7.3	2.39	0	1032.01
28/09/2018 21:42	0.04	14.15	7.5	6.49	2.17	0	1032.97
28/09/2018 23:00	0.07	14.16	7.76	5.54	1.98	0	1032.97
29/09/2018 00:17	0.09	13.49	8.1	5.05	1.87	0	1032.97
29/09/2018 01:35	0.15	13.83	7.75	4.53	1.62	0	1032.49
29/09/2018 02:53	0.12	14.17	7.25	4.17	1.45	0	1032.01
29/09/2018 04:10	0.16	14.64	7.07	4.21	1.37	0	1031.53
29/09/2018 05:28	0.16	14.53	6.87	3.75	1.28	0	1031.53
29/09/2018 06:45	0.2	14.03	7.64	3.52	1.4	0	1031.53
29/09/2018 08:03	0.23	13.43	8.33	3.81	1.43	0	1031.53
29/09/2018 09:20	0.41	14.35	7.41	3.55	1.37	0	1030.57
29/09/2018 10:37	1.13	15.11	6.87	4.59	1.54	0	1030.09
29/09/2018 11:54	2.43	15.51	6.31	5.28	1.67	0	1030.09
29/09/2018 13:12	0.24	15.35	5.09	6.03	1.39	0	1029.12
29/09/2018 14:30	0.04	16.64	4.26	9.13	2.27	0	1028.16
29/09/2018 15:48	0.04	17.22	3.64	11.8	2.74	0	1026.71
29/09/2018 17:06	0.04	17.53	3.47	14.11	2.83	0	1026.23
29/09/2018 18:24	0.03	17.68	3.56	12.94	2.75	0	1025.75
29/09/2018 19:42	0.01	17.44	4.33	9.52	2.57	0	1025.27
29/09/2018 21:00	0.03	16.05	5.28	7.86	2.54	0	1024.79
29/09/2018 22:18	0.01	15.74	5.96	6.98	2.31	0	1024.79
29/09/2018 23:35	0.06	16.13	5.8	5.57	1.95	0	1023.83
30/09/2018 00:53	0.09	15.99	6.01	5.31	1.78	0	1023.34
30/09/2018 02:11	0.09	15.38	6.15	4.5	1.53	0	1022.86
30/09/2018 03:28	0.11	15.91	6.12	3.78	1.48	0	1022.38
30/09/2018 04:46	0.14	16.2	5.32	3.52	1.28	0	1021.9
30/09/2018 06:03	0.18	15.27	6.47	3.78	1.36	0	1021.9
30/09/2018 07:21	0.19	14.91	6.95	3.1	1.28	0	1021.42
30/09/2018 08:38	0.25	13.53	8.74	3.39	1.48	0	1021.42
30/09/2018 09:55	0.41	13.65	8.69	4.24	1.67	0	1021.42
30/09/2018 11:12	1.44	14.63	7.8	5.21	1.73	0	1020.94
30/09/2018 12:30	2.38	15.11	6.84	5.71	1.62	0	1020.46
30/09/2018 13:48	0.4	14.98	6.16	5.54	1.61	0	1019.97
30/09/2018 15:06	0.07	14.67	6.61	6	1.95	0	1019.97
30/09/2018 16:23	0.09	14.28	7.22	6.19	2.11	0	1019.97
30/09/2018 17:41	0.09	14.49	6.91	6.13	2.06	0	1019.97
30/09/2018 18:58	0.04	13.4	8.36	6.59	2.27	0	1020.94
30/09/2018 20:16	0.11	12.81	9.14	6.42	2.27	0	1020.94
30/09/2018 21:34	0.12	11.51	10.98	6.65	2.44	0	1021.42
30/09/2018 22:51	0.13	11.24	11.29	6.19	2.25	0	1022.38
01/10/2018 00:09	0.11	11.39	10.78	5.61	2.02	0	1023.34
01/10/2018 01:27	0.11	11.48	10.58	5.38	1.89	0	1023.83
01/10/2018 02:44	0.08	11.97	10.18	4.4	1.78	0	1024.31
01/10/2018 04:02	0.13	12.12	9.74	4.66	1.67	0	1024.31
01/10/2018 05:19	0.17	11.95	9.86	4.3	1.64	0	1024.79
01/10/2018 06:37	0.19	10.06	12.37	4.7	1.98	0	1026.23
01/10/2018 07:54	0.25	9.02	13.58	5.15	1.84	0	1027.2

01/10/2018 09:12	0.41	7.28	15.43	5.12	1.98	0	1028.16
01/10/2018 10:28	0.94	7.49	15.1	5.7	2.16	0	1028.64
01/10/2018 11:46	2.29	8.66	13.47	6.32	2.08	0	1029.12
01/10/2018 13:04	0.34	9.51	11.67	6.75	2	0	1028.64
01/10/2018 14:22	0.08	10.89	10	6.55	2.11	0	1028.64
01/10/2018 15:40	0.01	11.86	9.07	7.82	2.47	0	1028.16
01/10/2018 16:58	0.01	13.26	7.7	10.14	3.05	0	1027.68
01/10/2018 18:15	0.01	13.79	7.16	8.86	2.83	0	1027.68
01/10/2018 19:33	0.01	13.91	7.38	8.09	2.6	0	1027.68
01/10/2018 20:51	0.03	13.57	7.75	7.4	2.47	0	1027.2
01/10/2018 22:09	0.12	14.08	7.2	6.81	2.2	0	1026.71
01/10/2018 23:27	0.12	14.92	6.18	5.51	1.91	0	1026.23
02/10/2018 00:44	0.11	15.59	5.72	5.38	1.81	0	1025.75
02/10/2018 02:02	0.19	16.39	4.61	4.37	1.51	0	1024.31
02/10/2018 03:19	0.28	17.76	3.54	4.3	1.34	0	1023.34
02/10/2018 04:37	0.34	18.77	2.8	3.75	1.21	0	1022.38
02/10/2018 05:54	0.48	18.89	2.72	4.4	1.25	0	1021.9
02/10/2018 07:11	0.49	18.71	3.09	4.3	1.37	0	1021.42
02/10/2018 08:29	0.46	17.68	4.68	4.53	1.69	0	1021.9
02/10/2018 09:46	0.5	16.8	5.58	5.38	1.87	0	1022.38
02/10/2018 11:03	0.74	17.03	5.18	5.51	1.78	0	1021.9
02/10/2018 12:21	1.21	17.75	4.53	5.48	1.65	0	1021.9
02/10/2018 13:38	0.24	17.48	4.12	5.87	1.61	0	1021.42
02/10/2018 14:56	0.1	16.7	5.29	6.84	2.09	0	1021.42
02/10/2018 16:13	0.09	15.71	6.68	9.42	2.88	0	1021.9
02/10/2018 17:31	0.04	15.28	7.09	8.41	2.6	0	1022.38
02/10/2018 18:48	0.04	14.01	8.84	8.41	2.86	0	1023.34
02/10/2018 20:06	0.08	13.06	9.8	8.02	2.79	0	1023.83
02/10/2018 21:24	0.1	12.74	10.19	7.43	2.63	0	1024.79
02/10/2018 22:41	0.11	12.72	10.19	7.3	2.47	0	1024.79
02/10/2018 23:59	0.11	12.46	10.37	7.04	2.41	0	1025.27
03/10/2018 01:16	0.13	12.24	10.38	6.68	2.29	0	1025.27
03/10/2018 02:34	0.17	12.79	9.89	6.55	2.2	0	1026.23
03/10/2018 03:51	0.13	12.8	9.67	6.07	2.11	0	1026.23
03/10/2018 05:09	0.13	12.27	10.36	5.87	2.14	0	1026.71
03/10/2018 06:27	0.13	11.39	11.57	6.29	2.2	0	1027.68
03/10/2018 07:44	0.19	10.74	12.52	6.23	2.17	0	1028.64
03/10/2018 09:02	0.28	9.96	13.34	6.23	2.27	0	1029.12
03/10/2018 10:18	0.59	10.03	12.9	6.81	2.42	0	1029.12
03/10/2018 11:35	1.87	10.71	12.09	7.76	2.41	0	1029.6
03/10/2018 12:53	0.11	11.12	10.75	12.42	3.57	0	1029.6
03/10/2018 14:11	0.03	12.59	9.16	13.04	3.49	0	1029.12
03/10/2018 15:29	0.02	13.87	7.56	11.9	3.1	0	1028.64
03/10/2018 16:47	0.02	15.19	6.22	14.73	3.57	0	1028.16
03/10/2018 18:05	0.02	16.14	5.58	14.38	3.27	0	1028.64
03/10/2018 19:23	0	14.53	8.14	11.86	3.68	0	1028.64
03/10/2018 20:41	0.01	13.55	9.81	10.17	3.46	0	1028.64

03/10/2018 21:58	0.03	13.17	10.23	8.9	3.01	0	1028.64
03/10/2018 23:16	0.1	12.63	10.65	8.21	2.74	0	1029.12
04/10/2018 00:34	0.14	12.42	10.61	7.07	2.46	0	1028.64
04/10/2018 01:51	0.11	12.92	10.27	6.49	2.27	0	1028.16
04/10/2018 03:09	0.12	12.7	9.97	6.23	2.09	0	1027.68
04/10/2018 04:27	0.19	13.03	9.59	5.77	2.02	0	1027.2
04/10/2018 05:44	0.28	13.12	9.3	6.19	1.95	0	1027.68
04/10/2018 07:01	0.31	12.89	9.5	5.64	1.98	0	1027.2
04/10/2018 08:19	0.3	12.5	10.01	5.84	2.06	0	1027.2
04/10/2018 09:36	0.38	12.19	10.58	6.19	2.16	0	1027.68
04/10/2018 10:54	0.56	12.54	10.25	6.03	2.08	0	1027.2
04/10/2018 12:11	0.81	12.89	9.65	6.39	2.04	0	1026.71
04/10/2018 13:29	0.87	13.44	8.69	6.52	2.02	0	1026.23
04/10/2018 14:46	0.51	13.89	7.65	6.68	1.97	0	1025.75
04/10/2018 16:03	0.23	14.55	6.89	6.78	2.02	0	1024.79
04/10/2018 17:21	0.09	14.64	6.47	6.72	2	0	1023.83
04/10/2018 18:38	0.09	14.9	6.44	7.04	2	0	1023.34
04/10/2018 19:56	0.09	14.88	6.59	6.84	2.04	0	1023.34
04/10/2018 21:14	0.07	14.72	7.51	6.45	2.04	0	1022.38
04/10/2018 22:31	0.13	14.59	7.79	6.23	1.95	0	1022.38
04/10/2018 23:49	0.11	14.58	7.63	5.54	1.81	0	1021.42
05/10/2018 01:07	0.1	14.46	7.35	4.86	1.7	0	1020.94
05/10/2018 02:24	0.17	14.85	7.47	4.92	1.7	0	1019.97
05/10/2018 03:42	0.18	15.06	6.99	4.86	1.56	0	1019.01
05/10/2018 04:59	0.24	15.14	6.57	4.26	1.51	0	1018.05
05/10/2018 06:17	0.3	15.62	6.49	4.34	1.56	0	1017.09
05/10/2018 07:34	0.34	14.18	7.98	4.76	1.72	0	1017.57
05/10/2018 08:52	0.45	13.46	8.94	4.99	1.83	0	1017.57
05/10/2018 10:08	0.82	13.68	8.9	5.87	2	0	1017.09
05/10/2018 11:25	2.18	14.15	8.52	7.27	2.19	0	1016.6
05/10/2018 12:43	0.3	13.67	7.89	8.8	2.04	0	1016.12
05/10/2018 14:00	0.04	14.45	6.8	13.01	3.13	0	1015.64
05/10/2018 15:18	0.04	15.36	5.95	18.29	3.79	0	1015.16
05/10/2018 16:36	0.03	15.99	5.37	18.91	3.63	0	1014.68
05/10/2018 17:54	0.04	16.14	5.23	19.43	3.78	0	1014.2
05/10/2018 19:13	0.01	15.29	6.38	14.54	3.59	0	1014.2
05/10/2018 20:30	0.01	15.24	6.93	11.44	3.27	0	1013.72
05/10/2018 21:48	0.03	14.81	7.41	9.22	3.04	0	1013.23
05/10/2018 23:06	0.08	14.65	7.64	8.15	2.71	0	1012.75
06/10/2018 00:24	0.09	14.59	7.53	7.73	2.38	0	1011.79
06/10/2018 01:41	0.1	14.56	7.55	6.29	2.17	0	1011.79
06/10/2018 02:59	0.21	14.65	7.3	6.1	2.06	0	1010.83
06/10/2018 04:16	0.28	14.78	7.13	6.1	2.02	0	1009.86
06/10/2018 05:34	0.37	14.76	7.1	6.1	1.91	0	1009.38
06/10/2018 06:51	0.43	14.57	7.29	6.16	1.89	0	1008.9
06/10/2018 08:09	0.38	13.89	8.57	6.13	2.11	0	1009.38
06/10/2018 09:26	0.43	12.72	9.69	6.29	2.2	0	1008.9

06/10/2018 10:43	0.45	12.45	10	6.36	2.16	0	1009.38
06/10/2018 12:01	0.32	12.25	9.74	6.32	2.08	0	1009.38
06/10/2018 13:19	0.21	12.01	9.84	6.1	2.02	0	1009.38
06/10/2018 14:36	0.21	10.98	11.39	6.26	2.22	0	1009.86
06/10/2018 15:54	0.2	9.9	12.7	5.93	2.27	0	1010.35
06/10/2018 17:11	0.2	10.36	11.89	6.1	2.04	0	1010.35
06/10/2018 18:29	0.2	9.76	12.72	5.7	2.09	0	1011.31
06/10/2018 19:46	0.19	8.19	14.36	6.1	2.17	0	1012.75
06/10/2018 21:04	0.28	6.9	15.58	6.03	2.17	0	1013.23
06/10/2018 22:21	0.27	7.37	14.9	5.54	2.04	0	1014.68
06/10/2018 23:39	0.28	8.11	13.76	5.71	1.87	0	1015.16
07/10/2018 00:56	0.27	8.88	12.63	5.18	1.78	0	1016.12
07/10/2018 02:14	0.22	6.94	15.16	5.22	2.02	0	1018.05
07/10/2018 03:31	0.2	7.09	14.99	5.48	1.97	0	1019.01
07/10/2018 04:49	0.18	6.66	15.53	5.05	1.86	0	1020.94
07/10/2018 06:07	0.17	7.02	14.85	4.59	1.76	0	1021.9
07/10/2018 07:24	0.17	7.45	14.38	4.53	1.69	0	1022.38
07/10/2018 08:42	0.25	6.5	15.58	4.79	1.75	0	1023.83
07/10/2018 09:58	0.5	6.63	15.03	5.21	1.87	0	1023.83
07/10/2018 11:15	1.57	7.51	13.88	5.8	2.02	0	1023.83
07/10/2018 12:33	1.51	8.1	12.87	6.39	2.08	0	1023.83
07/10/2018 13:51	0.08	9.23	11.43	7.73	2.17	0	1023.83
07/10/2018 15:09	0.01	10.11	10.34	8.44	2.36	0	1023.83
07/10/2018 16:27	0.03	10.68	9.82	8.9	2.5	0	1023.83
07/10/2018 17:45	0.02	11.46	9.19	8.53	2.42	0	1024.31
07/10/2018 19:03	0.01	11.9	9.05	8.31	2.38	0	1024.31
07/10/2018 20:20	0.02	12.04	8.9	6.88	2.24	0	1024.79
07/10/2018 21:38	0.03	11.65	9.92	6.46	2.25	0	1025.27
07/10/2018 22:56	0.05	12.33	9.08	5.44	1.92	0	1024.79
08/10/2018 00:14	0.09	12.62	8.68	5.08	1.75	0	1024.79
08/10/2018 01:31	0.08	13.85	7.47	4.69	1.56	0	1023.83
08/10/2018 02:49	0.1	13.92	7.36	4.04	1.5	0	1023.83
08/10/2018 04:06	0.17	14.39	6.92	3.42	1.4	0	1023.34
08/10/2018 05:24	0.19	14.36	7.05	4.11	1.34	0	1022.86
08/10/2018 06:42	0.2	13.96	7.35	4.01	1.4	0	1022.86
08/10/2018 07:59	0.28	12.33	9.61	4.17	1.56	0	1023.34
08/10/2018 09:16	0.38	10.55	11.85	4.82	1.78	0	1023.83
08/10/2018 10:34	0.67	10.84	11.61	4.59	1.8	0	1023.83
08/10/2018 11:51	1.23	11.92	10.03	5.12	1.7		1023.83
08/10/2018 13:08	1.72	13.27	8.53	5.38	1.65	0	1023.83
08/10/2018 14:25	2	15.58	6.31	5.45	1.59	0	1022.38
08/10/2018 15:43	1.95	16.46	5.21	5.64	1.54	0	1021.9
08/10/2018 17:00	0.49	16.67	4.48	5.93	1.51	0	1021.9
08/10/2018 18:18	0.11	17.41	4.38	6.16	1.67	0	1021.42
08/10/2018 19:36	0.14	15.54	6.44	6.75	2.14	0	1021.42
08/10/2018 20:53	0.12	12.25	10.35	6.97	2.64	0	1022.38
08/10/2018 22:11	0.11	13.06	9.55	6.39	2.16	0	1022.38

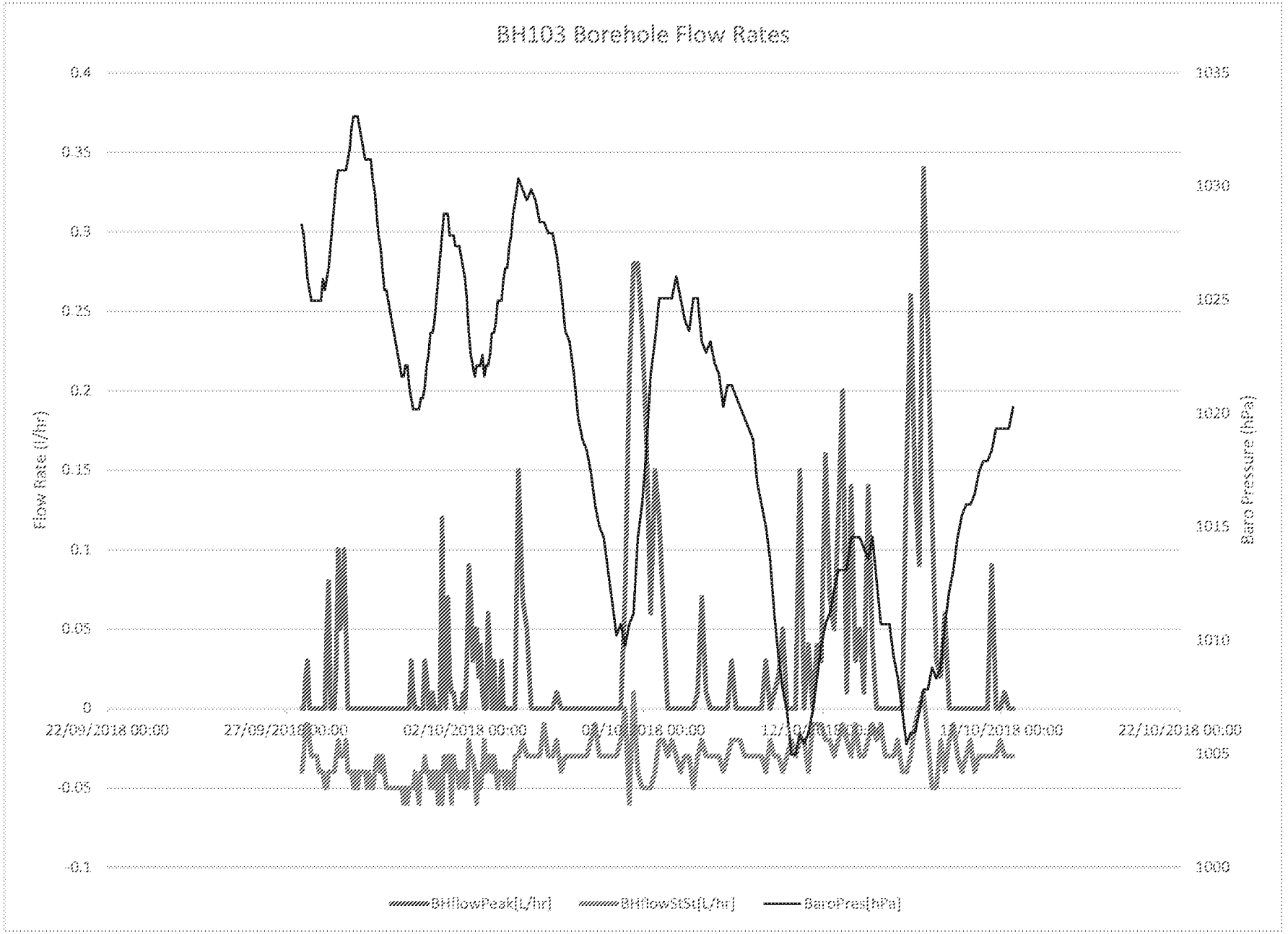
08/10/2018 23:28	0.12	13.11	9.23	5.74	1.95	0	1021.9
09/10/2018 00:46	0.2	14.02	7.84	4.88	1.75	0	1020.94
09/10/2018 02:04	0.22	14.54	7.36	5.61	1.72	0	1020.94
09/10/2018 03:21	0.24	14.94	6.61	5.05	1.62	0	1019.97
09/10/2018 04:39	0.2	15.12	6.57	5.41	1.62	0	1019.49
09/10/2018 05:56	0.24	14.01	7.6	5.35	1.78	0	1019.49
09/10/2018 07:14	0.24	13.83	8.3	5.44	1.84	0	1019.97
09/10/2018 08:31	0.38	13.64	8.53	5.38	1.89	0	1020.94
09/10/2018 09:48	0.61	14.01	8.08	5.61	1.97	0	1020.94
09/10/2018 11:05	2	15.27	7.04	6.49	1.95	0	1020.46
09/10/2018 12:22	0.19	14.85	6.34	7.47	1.91	0	1020.46
09/10/2018 13:40	0.04	15.21	5.96	8.51	2.02	0	1019.97
09/10/2018 14:58	0.03	15.95	5.64	9.84	2.16	0	1019.97
09/10/2018 16:16	0.03	15.88	5.38	16.36	3.46	0	1019.01
09/10/2018 17:34	0.03	16.21	5.47	17.21	3.7	0	1019.01
09/10/2018 18:52	0.03	14.81	7.13	14.93	3.89	0	1019.49
09/10/2018 20:10	0.01	14.65	7.51	12.06	3.35	0	1019.01
09/10/2018 21:28	0.02	13.96	8.03	10.47	3.12	0	1018.53
09/10/2018 22:46	0.02	13.54	8.88	8.8	2.91	0	1018.53
10/10/2018 00:03	0.13	13.57	8.96	7.99	2.57	0	1018.53
10/10/2018 01:21	0.12	13.87	8.52	7.5	2.33	0	1018.05
10/10/2018 02:38	0.23	13.95	8.16	7.14	2.19	0	1017.09
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10/10/2018 09:06	0.37	14.62	6.9	6.55	2.02	0	1014.2
10/10/2018 10:22	0.68	14.91	6.37	7.3	2.14	0	1014.2
10/10/2018 11:40	0.45	15.39	5.43	7.92	1.92	0	1013.72
10/10/2018 12:57	0.09	16.2	4.68	8.74	1.87	0	1012.75
10/10/2018 14:15	0.15	16.98	3.9	9.1	1.87	0	1011.79
10/10/2018 15:33	0.13	17.75	3.39	13.92	2.54	0	1010.35
10/10/2018 16:51	0.12	17.91	3.2	17.28	2.93	0.12	1009.38
10/10/2018 18:09	0.12	18.07	3.18	17.7	2.83	0.24	1008.9
10/10/2018 19:27	0.11	17.94	3.43	14.25	2.64	0	1007.94
10/10/2018 20:45	0.08	18.39	3.56	11.9	2.52	0	1006.97
10/10/2018 22:03	0.13	18.18	3.29	10.63	2.29	0	1006.49
10/10/2018 23:20	0.19	18.7	3.14	9.42	2.06	0	1006.01
11/10/2018 00:38	0.09	18.07	3.62	9.02	2.13	0	1005.53
11/10/2018 01:55	0.1	17.97	3.68	8.51	2.02	0	1005.53
11/10/2018 03:13	0.15	18.1	3.5	8.47	1.91	0	1004.09
11/10/2018 04:30	0.19	17.92	3.55	7.99	1.89	0	1004.09
11/10/2018 05:48	0.19	18.17	3.37	7.63	1.78	0	1004.09
11/10/2018 07:05	0.23	18.1	3	7.76	1.7	0	1004.57
11/10/2018 08:23	0.28	18.62	2.59	7.17	1.65	0	1004.57
11/10/2018 09:40	0.44	19.43	2.21	7.63	1.58	0	1004.57
11/10/2018 10:57	0.28	19.75	1.98	8.11	1.54	0	1004.57

11/10/2018 12:15	0.2	19.82	1.82	8.61	1.47	0	1004.57
11/10/2018 13:32	0.26	19.89	1.73	8.86	1.42	0	1004.57
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11/10/2018 16:08	0.18	20.04	2.02	8.77	1.62	0	1005.53
11/10/2018 17:25	0.14	19.57	2.62	8.35	1.8	0	1006.01
11/10/2018 18:43	0.09	19.45	3.03	7.95	1.84	0	1006.49
11/10/2018 20:00	0.1	16.12	6.4	8.69	2.66	0	1007.46
11/10/2018 21:18	0.11	15.5	7.09	8.51	2.46	0	1007.94
11/10/2018 22:36	0.1	15.75	7.17	8.08	2.27	0	1008.9
11/10/2018 23:53	0.2	15.87	6.64	7.63	2.17	0	1009.38
12/10/2018 01:11	0.2	16.43	5.82	7.27	2.04	0	1009.86
12/10/2018 02:28	0.19	17.44	5.08	7.11	1.92	0	1010.35
12/10/2018 03:46	0.2	17.62	4.58	6.81	1.87	0	1010.35
12/10/2018 05:03	0.21	17.89	4.24	7.01	1.84	0	1010.83
12/10/2018 06:21	0.21	18.18	3.92	7.04	1.78	0	1011.31
12/10/2018 07:38	0.19	18.48	3.99	7.33	1.84	0	1011.31
12/10/2018 08:55	0.21	18.14	3.98	6.97	1.81	0	1011.79
12/10/2018 10:13	0.24	18.37	3.91	7.46	1.87	0	1011.79
12/10/2018 11:30	0.21	18.61	3.87	7.85	1.92	0	1012.27
12/10/2018 12:47	0.07	18.67	3.57	7.56	1.83	0	1012.27
12/10/2018 14:05	0.07	18.92	3.24	7.89	1.75	0	1012.75
12/10/2018 15:22	0.07	19.45	3	8.31	1.78	0	1012.75
12/10/2018 16:40	0.01	19.8	2.83	8.9	1.8	0	1012.27
12/10/2018 17:58	0.01	18.96	3.52	8.86	2	0	1012.75
12/10/2018 19:15	0.01	18.51	4.24	8.93	2.17	0	1013.23
12/10/2018 20:33	0.02	17.97	5.29	8.48	2.36	0	1013.23
12/10/2018 21:50	0.02	17.78	5.12	8.86	2.24	0	1013.72
12/10/2018 23:08	0.05	18.07	4.86	8.44	2.16	0	1013.72
13/10/2018 00:26	0.08	17.89	4.74	8.57	2.14	0	1013.72
13/10/2018 01:43	0.09	17.72	5.01	8.44	2.17	0	1013.23
13/10/2018 03:01	0.09	17.76	4.8	7.6	2.13	0	1013.72
13/10/2018 04:18	0.09	17.73	4.41	7.99	1.97	0	1012.75
13/10/2018 05:36	0.08	18.19	4.26	8.05	2	0	1012.75
13/10/2018 06:53	0.09	18.23	3.94	7.59	1.92	0	1012.75
13/10/2018 08:11	0.09	18.34	3.61	7.66	1.84	0	1012.75
13/10/2018 09:28	0.08	18.19	4.13	7.86	2.06	0	1013.23
13/10/2018 10:45	0.06	17.72	4.59	8.41	2.14	0	1013.23
13/10/2018 12:03	0.07	17.41	5.03	8.27	2.22	0	1012.27
13/10/2018 13:20	0.01	17.51	4.68	9.22	2.13	0	1011.31
13/10/2018 14:37	0.08	18.04	3.87	9.61	1.97	0	1009.86
13/10/2018 15:55	0.12	18.77	3.36	10.14	1.87	0	1009.38
13/10/2018 17:13	0.12	18.53	3.53	13.53	2.57	0	1008.9
13/10/2018 18:31	0.03	16.42	6.77	12.84	3.46	0	1009.38
13/10/2018 19:48	0.01	15.7	7.48	12.09	3.13	0	1009.38
13/10/2018 21:06	0.01	15.64	7.06	10.89	2.83	0	1009.38
13/10/2018 22:24	0.08	16.16	6.37	10.17	2.57	0	1008.9
13/10/2018 23:41	0.09	16.35	5.78	9.65	2.36	0	1008.9

14/10/2018 00:59	0.09	16.35	5.44	8.74	2.27	0	1008.42
14/10/2018 02:16	0.07	16.84	5.52	8.69	2.29	0	1007.94
14/10/2018 03:34	0.1	15.94	6.45	8.86	2.44	0	1007.46
14/10/2018 04:51	0.1	15.67	6.96	8.74	2.38	0	1006.49
14/10/2018 06:09	0.1	13.59	8.71	8.34	2.64	0	1005.53
14/10/2018 07:26	0.11	13.63	8.76	8.08	2.5	0	1005.05
14/10/2018 08:44	0.11	13.03	9.52	8.15	2.52	0	1004.57
14/10/2018 10:01	0.21	12.52	10.11	8.05	2.54	0	1004.57
14/10/2018 11:19	0.21	11.14	11.66	7.79	2.68	0	1005.05
14/10/2018 12:36	0.21	10.18	12.61	7.92	2.63	0	1004.57
14/10/2018 13:54	0.21	10.52	11.96	7.95	2.46	0	1004.57
14/10/2018 15:11	0.21	9.98	12.51	7.69	2.52	0	1005.53
14/10/2018 16:29	0.21	9.81	12.87	7.5	2.52	0	1006.01
14/10/2018 17:46	0.21	8.83	13.7	8.11	2.52	0	1006.49
14/10/2018 19:04	0.21	8.65	14.05	7.76	2.49	0	1006.49
14/10/2018 20:21	0.22	8.52	13.85	7.07	2.39	0	1006.49
14/10/2018 21:39	0.21	8.76	13.4	7.01	2.35	0	1006.97
14/10/2018 22:57	0.2	6.37	15.14	6.75	2.46	0	1006.97
15/10/2018 00:14	0.22	6.99	14.69	6.91	2.29	0	1007.46
15/10/2018 01:32	0.22	7.92	13.47	6.55	2.13	0	1007.94
15/10/2018 02:49	0.31	8.4	12.64	6.03	2.09	0	1006.49
15/10/2018 04:07	0.34	10.11	10.59	6.03	1.92	0	1006.49
15/10/2018 05:24	0.37	10.81	10.26	6.23	2	0	1007.94
15/10/2018 06:41	0.37	11.09	10.01	6.58	2.02	0	1007.94
15/10/2018 07:59	0.4	11.27	9.94	6.19	2.04	0	1008.42
15/10/2018 09:16	0.38	10.88	10.8	6.88	2.19	0	1009.38
15/10/2018 10:34	0.46	10.45	11.45	7.14	2.25	0	1010.35
15/10/2018 11:51	0.32	9.72	12.38	7.17	2.42	0	1011.31
15/10/2018 13:08	0.5	9.51	12.34	8.09	2.61	0	1011.31
15/10/2018 14:25	0.12	9.72	12.02	9.28	2.69	0	1011.79
15/10/2018 15:43	0.03	9.93	11.73	9.32	2.72	0	1012.27
15/10/2018 17:00	0.02	10.24	11.24	10.53	2.85	0	1012.75
15/10/2018 18:18	0.03	10.73	10.8	10.56	2.77	0	1013.23
15/10/2018 19:36	0.01	10.71	10.52	9.39	2.66	0	1014.2
15/10/2018 20:54	0.01	10.96	10.35	8.96	2.64	0	1014.2
15/10/2018 22:11	0.11	10.56	10.74	8.47	2.66	0	1014.68
15/10/2018 23:29	0.12	10.51	10.84	8.27	2.6	0	1015.16
16/10/2018 00:46	0.11	10.6	10.63	8.02	2.46	0	1015.16
16/10/2018 02:04	0.21	10.8	10.29	7.73	2.36	0	1015.16
16/10/2018 03:21	0.23	11.15	9.97	7.66	2.35	0	1014.68
16/10/2018 04:39	0.19	11.16	9.53	7.43	2.22	0	1014.68
16/10/2018 05:56	0.11	11.37	9.24	6.94	2.19	0	1015.16
16/10/2018 07:14	0.11	11.59	9.22	6.88	2.14	0	1015.64
16/10/2018 08:31	0.21	11.23	9.96	6.75	2.22	0	1016.12
16/10/2018 09:49	0.37	11.19	10.03	7.5	2.44	0	1016.6
16/10/2018 11:05	1.74	11.75	9.59	8.64	2.5	0	1017.09
16/10/2018 12:23	0.2	12.11	8.49	9.68	2.31	0	1017.09

16/10/2018 13:41	0.03	13.21	7.48	9.52	2.27	0	1017.57
16/10/2018 14:59	0.02	14.18	6.55	8.86	2.22	0	1017.09
16/10/2018 16:16	0.06	14.84	6.01	9.06	2.33	0	1017.57
16/10/2018 17:34	0.03	14.8	5.91	8.83	2.29	0	1018.05
16/10/2018 18:51	0.07	14.92	6.18	8.18	2.36	0	1018.05
16/10/2018 20:09	0.09	14.43	6.44	8.48	2.35	0	1018.53
16/10/2018 21:27	0.1	14.31	6.97	8.05	2.36	0	1019.01
16/10/2018 22:44	0.12	13.81	7.13	8.08	2.33	0	1018.53
17/10/2018 00:02	0.1	13.79	7.07	7.66	2.19	0	1018.53
17/10/2018 01:19	0.13	14.04	7	6.91	2.13	0	1018.53
17/10/2018 02:37	0.21	14.21	6.94	7.1	2.06	0	1018.53
17/10/2018 03:54	0.18	13.96	6.97	7.17	2.04	0	1018.53
17/10/2018 05:12	0.12	13.5	7.36	6.75	2.02	0	1018.53
17/10/2018 06:30	0.1	12.95	8.86	6.13	2.06	0	1019.01
17/10/2018 07:47	0.18	12.3	9.89	5.8	2.13	0	1019.49
17/10/2018 09:05	0.3	11.81	10.5	6.36	2.17	0	1019.49

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH103

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
27/09/2018 10:35	0	-0.04	1028.31
27/09/2018 11:53	0	-0.03	1027.83
27/09/2018 13:09	0.02	-0.01	1026.88
27/09/2018 14:26	0.03	-0.01	1025.92
27/09/2018 15:44	0	-0.02	1025.44
27/09/2018 17:01	0	-0.03	1024.96
27/09/2018 18:18	0	-0.03	1024.96
27/09/2018 19:36	0	-0.03	1024.96
27/09/2018 20:54	0	-0.03	1024.96
27/09/2018 22:11	0	-0.04	1024.96
27/09/2018 23:29	0	-0.04	1024.96
28/09/2018 00:47	0	-0.04	1025.92
28/09/2018 02:04	0	-0.05	1025.44
28/09/2018 03:21	0.05	-0.05	1025.92
28/09/2018 04:39	0.08	-0.04	1026.4
28/09/2018 05:56	0	-0.04	1027.36
28/09/2018 07:13	0	-0.04	1028.31
28/09/2018 08:31	0	-0.04	1029.27
28/09/2018 09:48	0.03	-0.03	1030.23
28/09/2018 11:05	0.1	-0.02	1030.7
28/09/2018 12:22	0.05	-0.03	1030.7
28/09/2018 13:39	0.06	-0.03	1030.7
28/09/2018 14:57	0.1	-0.03	1030.7
28/09/2018 16:14	0.05	-0.02	1030.7
28/09/2018 17:31	0	-0.04	1031.18
28/09/2018 18:49	0	-0.04	1031.66
28/09/2018 20:07	0	-0.04	1032.62
28/09/2018 21:24	0	-0.05	1033.09
28/09/2018 22:42	0	-0.04	1033.09
28/09/2018 23:59	0	-0.05	1033.09
29/09/2018 01:17	0	-0.04	1032.62
29/09/2018 02:34	0	-0.04	1032.14
29/09/2018 03:52	0	-0.04	1031.66
29/09/2018 05:09	0	-0.04	1031.18
29/09/2018 06:27	0	-0.05	1031.18
29/09/2018 07:44	0	-0.04	1031.18
29/09/2018 09:01	0	-0.05	1031.18
29/09/2018 10:18	0	-0.05	1030.23

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29/09/2018 11:36	0	-0.04	1029.75
29/09/2018 12:52	0	-0.03	1028.79
29/09/2018 14:09	0	-0.03	1027.83
29/09/2018 15:26	0	-0.04	1027.36
29/09/2018 16:43	0	-0.03	1026.4
29/09/2018 18:01	0	-0.04	1025.44
29/09/2018 19:19	0	-0.05	1025.44
29/09/2018 20:36	0	-0.05	1024.96
29/09/2018 21:54	0	-0.05	1024.49
29/09/2018 23:12	0	-0.05	1024.01
30/09/2018 00:29	0	-0.05	1023.53
30/09/2018 01:47	0	-0.05	1023.05
30/09/2018 03:04	0	-0.05	1022.57
30/09/2018 04:22	0	-0.05	1022.1
30/09/2018 05:39	0	-0.05	1021.62
30/09/2018 06:56	0	-0.06	1021.62
30/09/2018 08:14	0	-0.05	1022.1
30/09/2018 09:31	0	-0.06	1022.1
30/09/2018 10:48	0	-0.05	1021.14
30/09/2018 12:05	0.03	-0.05	1020.66
30/09/2018 13:22	0.01	-0.05	1020.18
30/09/2018 14:40	0	-0.04	1020.18
30/09/2018 15:57	0	-0.05	1020.18
30/09/2018 17:14	0	-0.06	1020.18
30/09/2018 18:32	0	-0.04	1020.66
30/09/2018 19:49	0	-0.04	1020.66
30/09/2018 21:07	0.03	-0.03	1021.14
30/09/2018 22:24	0.02	-0.04	1022.1
30/09/2018 23:42	0	-0.04	1022.57
01/10/2018 00:59	0	-0.05	1023.53
01/10/2018 02:17	0.01	-0.04	1023.53
01/10/2018 03:34	0	-0.05	1024.01
01/10/2018 04:51	0	-0.04	1024.96
01/10/2018 06:09	0	-0.06	1025.92
01/10/2018 07:26	0	-0.04	1026.88
01/10/2018 08:44	0.12	-0.06	1027.83
01/10/2018 10:01	0.01	-0.03	1028.79
01/10/2018 11:18	0	-0.04	1028.79
01/10/2018 12:35	0.07	-0.03	1028.79
01/10/2018 13:52	0.02	-0.03	1027.83
01/10/2018 15:09	0.01	-0.06	1027.83
01/10/2018 16:26	0.01	-0.03	1027.83
01/10/2018 17:44	0	-0.04	1027.36
01/10/2018 19:01	0	-0.04	1027.36
01/10/2018 20:19	0	-0.05	1027.36
01/10/2018 21:36	0	-0.04	1026.88
01/10/2018 22:54	0.01	-0.04	1026.4

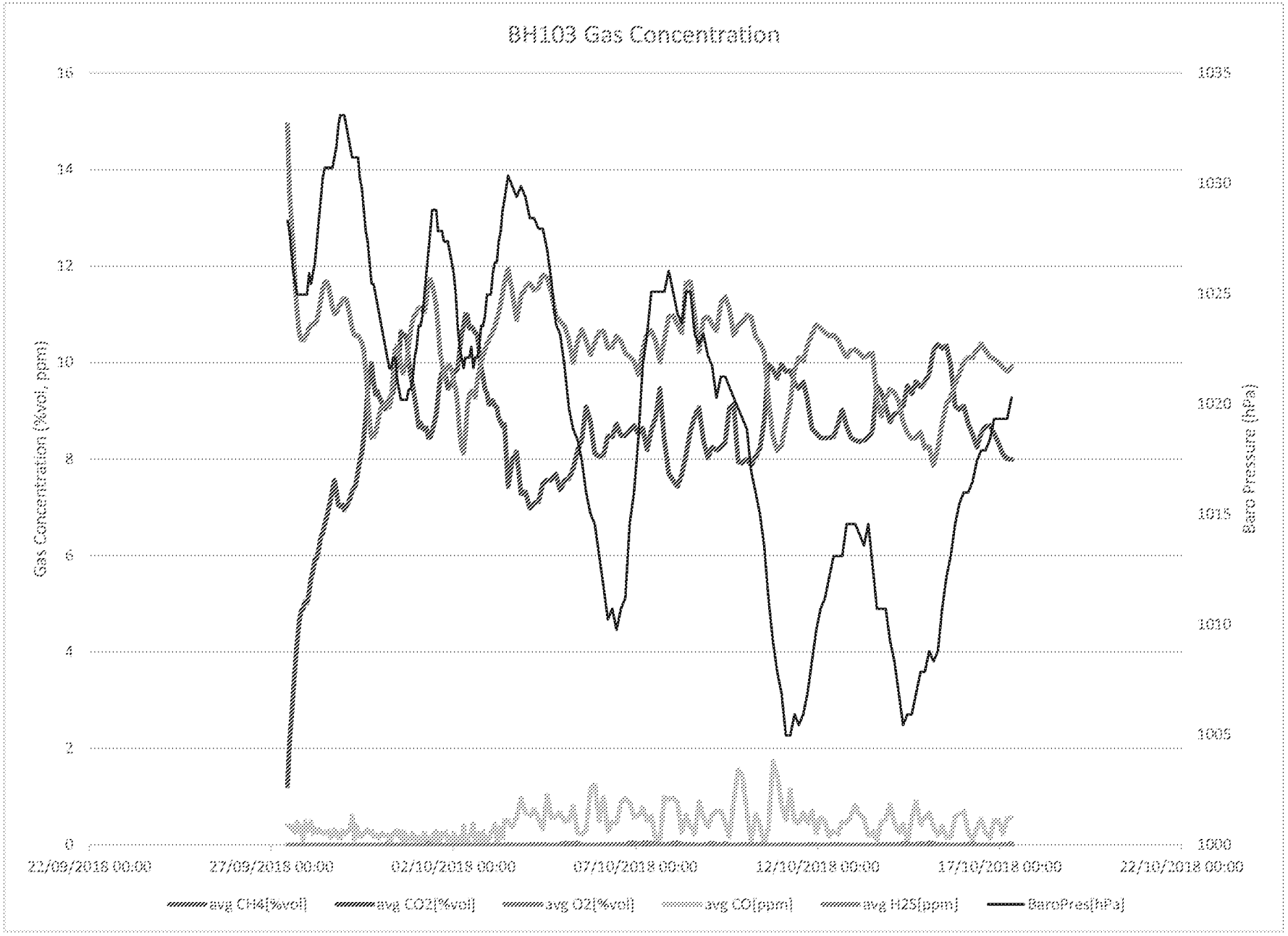
02/10/2018 00:11	0	-0.05	1025.92
02/10/2018 01:29	0.03	-0.05	1024.96
02/10/2018 02:46	0.09	-0.02	1023.53
02/10/2018 04:03	0.07	-0.03	1022.57
02/10/2018 05:21	0.03	-0.03	1022.1
02/10/2018 06:38	0.05	-0.04	1021.62
02/10/2018 07:55	0.05	-0.06	1022.1
02/10/2018 09:13	0.02	-0.04	1022.1
02/10/2018 10:30	0.04	-0.05	1022.1
02/10/2018 11:47	0.01	-0.04	1022.57
02/10/2018 13:04	0	-0.02	1021.62
02/10/2018 14:21	0	-0.04	1022.1
02/10/2018 15:39	0.06	-0.03	1022.1
02/10/2018 16:56	0.03	-0.03	1022.57
02/10/2018 18:13	0	-0.04	1023.53
02/10/2018 19:31	0.03	-0.03	1023.53
02/10/2018 20:48	0	-0.04	1024.01
02/10/2018 22:06	0	-0.05	1024.96
02/10/2018 23:23	0	-0.04	1024.96
03/10/2018 00:41	0.03	-0.04	1024.96
03/10/2018 01:58	0	-0.04	1025.92
03/10/2018 03:15	0	-0.05	1026.4
03/10/2018 04:33	0	-0.04	1026.4
03/10/2018 05:50	0	-0.04	1027.36
03/10/2018 07:08	0	-0.05	1027.83
03/10/2018 08:25	0	-0.05	1028.79
03/10/2018 09:42	0	-0.03	1029.27
03/10/2018 11:58	0.15	-0.03	1030.34
03/10/2018 14:48	0.07	-0.02	1029.86
03/10/2018 17:39	0.05	-0.03	1029.38
03/10/2018 20:33	0	-0.03	1029.86
03/10/2018 23:25	0	-0.03	1029.38
04/10/2018 02:18	0	-0.03	1028.42
04/10/2018 05:10	0	-0.01	1028.42
04/10/2018 08:02	0	-0.03	1027.94
04/10/2018 10:53	0	-0.03	1027.94
04/10/2018 13:44	0.01	-0.02	1026.99
04/10/2018 16:35	0	-0.04	1025.55
04/10/2018 19:27	0	-0.03	1023.63
04/10/2018 22:20	0	-0.03	1023.16
05/10/2018 01:13	0	-0.03	1021.72
05/10/2018 04:05	0	-0.03	1019.8
05/10/2018 06:56	0	-0.03	1018.85
05/10/2018 09:48	0	-0.03	1018.37
05/10/2018 12:38	0	-0.02	1017.41
05/10/2018 15:26	0	-0.01	1015.98
05/10/2018 18:18	0	-0.03	1015.02

05/10/2018 21:13	0	-0.03	1014.54
06/10/2018 00:06	0	-0.03	1013.1
06/10/2018 02:58	0	-0.03	1011.67
06/10/2018 05:49	0	-0.03	1010.23
06/10/2018 08:41	0	-0.02	1010.71
06/10/2018 11:33	0.07	0	1009.75
06/10/2018 14:25	0.21	-0.06	1010.71
06/10/2018 17:17	0.28	0.01	1011.19
06/10/2018 20:09	0.28	-0.04	1014.54
06/10/2018 23:01	0.24	-0.05	1015.98
07/10/2018 01:52	0.17	-0.05	1018.37
07/10/2018 04:45	0.06	-0.05	1021.72
07/10/2018 07:37	0.15	-0.04	1023.16
07/10/2018 10:28	0.12	-0.02	1025.07
07/10/2018 13:18	0.06	-0.02	1025.07
07/10/2018 16:08	0	-0.03	1025.07
07/10/2018 19:01	0	-0.02	1025.07
07/10/2018 21:55	0	-0.03	1026.03
08/10/2018 00:47	0	-0.04	1025.07
08/10/2018 03:40	0	-0.03	1024.11
08/10/2018 06:32	0	-0.03	1023.63
08/10/2018 09:23	0	-0.05	1025.07
08/10/2018 12:13	0.01	-0.03	1025.07
08/10/2018 15:04	0.07	-0.02	1023.16
08/10/2018 17:56	0.01	-0.03	1022.68
08/10/2018 20:49	0	-0.03	1023.16
08/10/2018 23:41	0	-0.03	1022.2
09/10/2018 02:33	0	-0.03	1021.72
09/10/2018 05:25	0	-0.04	1020.28
09/10/2018 08:17	0	-0.03	1021.24
09/10/2018 11:08	0.03	-0.02	1021.24
09/10/2018 13:57	0	-0.02	1020.76
09/10/2018 16:47	0	-0.02	1020.28
09/10/2018 19:41	0	-0.03	1019.8
09/10/2018 22:34	0	-0.03	1019.33
10/10/2018 01:27	0	-0.03	1018.85
10/10/2018 04:18	0	-0.03	1016.93
10/10/2018 07:10	0	-0.03	1015.98
10/10/2018 10:01	0.03	-0.04	1015.02
10/10/2018 12:52	0	-0.02	1013.58
10/10/2018 15:40	0.01	-0.03	1011.19
10/10/2018 18:32	0.02	-0.03	1009.27
10/10/2018 21:26	0.05	-0.04	1007.84
11/10/2018 00:18	0	-0.03	1006.88
11/10/2018 03:11	0	-0.02	1004.97
11/10/2018 06:02	0	-0.03	1004.97
11/10/2018 08:54	0.15	-0.02	1005.92

11/10/2018 11:45	0	-0.02	1005.44
11/10/2018 14:36	0.04	-0.04	1005.92
11/10/2018 17:28	0	-0.01	1006.88
11/10/2018 20:21	0.04	-0.01	1008.32
11/10/2018 23:13	0.03	-0.01	1009.75
12/10/2018 02:05	0.16	-0.02	1010.71
12/10/2018 04:56	0.07	-0.02	1011.19
12/10/2018 07:48	0.05	-0.03	1012.15
12/10/2018 10:39	0.12	-0.02	1013.1
12/10/2018 13:30	0.2	-0.01	1013.1
12/10/2018 16:20	0.01	-0.02	1013.1
12/10/2018 19:14	0.14	-0.03	1014.54
12/10/2018 22:06	0.03	-0.01	1014.54
13/10/2018 00:58	0.05	-0.03	1014.54
13/10/2018 03:49	0.01	-0.03	1014.06
13/10/2018 06:41	0.14	-0.02	1013.58
13/10/2018 09:33	0.04	-0.01	1014.54
13/10/2018 12:24	0	-0.02	1012.62
13/10/2018 15:13	0	-0.01	1010.71
13/10/2018 18:06	0	-0.03	1010.71
13/10/2018 20:59	0	-0.03	1010.71
13/10/2018 23:51	0	-0.03	1009.27
14/10/2018 02:43	0	-0.02	1008.32
14/10/2018 05:35	0	-0.04	1006.88
14/10/2018 08:27	0.15	-0.04	1005.44
14/10/2018 11:19	0.26	-0.03	1005.92
14/10/2018 14:11	0.14	-0.01	1005.92
14/10/2018 17:02	0.09	0	1006.88
14/10/2018 19:55	0.34	0.01	1007.84
14/10/2018 22:46	0.24	-0.02	1007.84
15/10/2018 01:38	0.12	-0.05	1008.79
15/10/2018 04:30	0.03	-0.05	1008.32
15/10/2018 07:21	0.02	-0.02	1008.79
15/10/2018 10:13	0.06	-0.04	1010.71
15/10/2018 13:03	0	-0.02	1012.15
15/10/2018 15:53	0	-0.01	1013.1
15/10/2018 18:44	0	-0.03	1014.54
15/10/2018 21:37	0	-0.04	1015.5
16/10/2018 00:29	0	-0.03	1015.98
16/10/2018 03:21	0	-0.02	1015.98
16/10/2018 06:13	0	-0.04	1016.45
16/10/2018 09:05	0	-0.03	1017.41
16/10/2018 11:56	0	-0.03	1017.89
16/10/2018 14:46	0	-0.03	1017.89
16/10/2018 17:37	0.09	-0.03	1018.37
16/10/2018 20:30	0	-0.03	1019.33
16/10/2018 23:22	0	-0.02	1019.33

17/10/2018 02:14	0.01	-0.03	1019.33
17/10/2018 05:06	0	-0.03	1019.33
17/10/2018 07:58	0	-0.03	1020.28

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH103

Time	avg CH4[%	avg CO2[%	avg O2[%v	avg CO[ppi	avg H2S[pp	BaroPres[hPa]
27/09/2018 10:35	0	1.22	14.93	0.4	0	1028.31
27/09/2018 11:53	0	2.12	13.52	0.36	0	1027.83
27/09/2018 13:09	0	2.65	12.97	0.4	0	1026.88
27/09/2018 14:26	0	3.18	12.34	0.28	0	1025.92
27/09/2018 15:44	0	3.75	11.56	0.25	0	1025.44
27/09/2018 17:01	0	4.28	11	0.47	0	1024.96
27/09/2018 18:18	0	4.65	10.61	0.28	0	1024.96
27/09/2018 19:36	0	4.84	10.47	0.38	0	1024.96
27/09/2018 20:54	0	4.91	10.46	0.09	0	1024.96
27/09/2018 22:11	0	5.05	10.51	0.49	0	1024.96
27/09/2018 23:29	0	5.01	10.6	0.3	0	1024.96
28/09/2018 00:47	0	5.23	10.71	0.4	0	1025.92
28/09/2018 02:04	0	5.52	10.79	0.49	0	1025.44
28/09/2018 03:21	0	5.67	10.81	0.23	0	1025.92
28/09/2018 04:39	0	5.91	10.79	0.34	0	1026.4
28/09/2018 05:56	0	5.96	10.89	0.25	0	1027.36
28/09/2018 07:13	0	6.13	11.05	0.33	0	1028.31
28/09/2018 08:31	0	6.38	11.3	0.28	0	1029.27
28/09/2018 09:48	0	6.46	11.53	0.26	0	1030.23
28/09/2018 11:05	0	6.65	11.64	0.23	0	1030.7
28/09/2018 12:22	0	6.79	11.67	0.28	0	1030.7
28/09/2018 13:39	0	6.97	11.59	0.3	0	1030.7
28/09/2018 14:57	0	7.15	11.35	0.16	0	1030.7
28/09/2018 16:14	0	7.36	11.14	0.19	0	1030.7
28/09/2018 17:31	0	7.56	11.01	0.31	0	1031.18
28/09/2018 18:49	0	7.34	11.04	0.26	0	1031.66
28/09/2018 20:07	0	7.04	11.12	0.16	0	1032.62
28/09/2018 21:24	0	7.01	11.22	0.14	0	1033.09
28/09/2018 22:42	0	7.05	11.29	0.3	0	1033.09
28/09/2018 23:59	0	6.94	11.33	0.23	0	1033.09
29/09/2018 01:17	0	7.03	11.31	0.26	0	1032.62
29/09/2018 02:34	0	7.09	11.15	0.28	0	1032.14
29/09/2018 03:52	0	7.18	10.94	0.33	0	1031.66
29/09/2018 05:09	0	7.34	10.71	0.6	0	1031.18
29/09/2018 06:27	0	7.38	10.58	0.12	0	1031.18
29/09/2018 07:44	0	7.5	10.55	0.4	0	1031.18
29/09/2018 09:01	0	7.74	10.56	0.3	0	1031.18
29/09/2018 10:18	0	7.97	10.49	0.17	0	1030.23
29/09/2018 11:36	0	8.13	10.41	0.23	0	1029.75
29/09/2018 12:52	0	8.46	10.24	0.21	0	1028.79
29/09/2018 14:09	0	8.88	9.84	0.28	0	1027.83

ARUN DISTRICT COUNCIL LU/330/18/PL

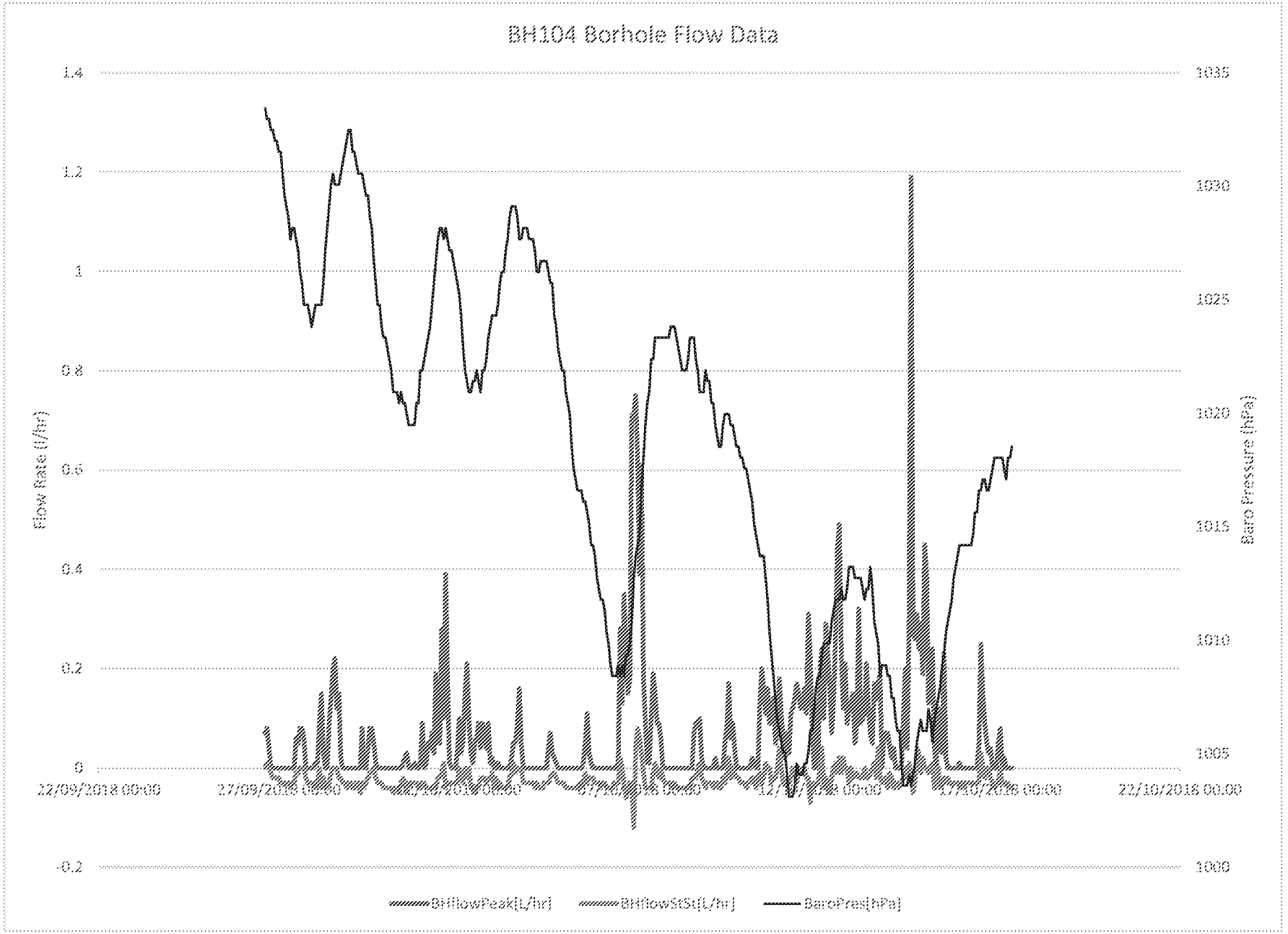
29/09/2018 15:26	0	9.42	9.33	0.31	0	1027.36
29/09/2018 16:43	0	9.69	8.77	0.27	0	1026.4
29/09/2018 18:01	0	9.98	8.44	0.28	0	1025.44
29/09/2018 19:19	0	9.61	8.46	0.19	0	1025.44
29/09/2018 20:36	0	9.33	8.52	0.17	0	1024.96
29/09/2018 21:54	0	9.4	8.73	0.21	0	1024.49
29/09/2018 23:12	0	9.27	8.94	0.13	0	1024.01
30/09/2018 00:29	0	9.19	9.07	0.25	0	1023.53
30/09/2018 01:47	0	9.1	9.1	0.2	0	1023.05
30/09/2018 03:04	0	9.03	9.16	0.21	0.02	1022.57
30/09/2018 04:22	0	9.19	9.16	0.21	0	1022.1
30/09/2018 05:39	0	9.25	9.08	0.08	0	1021.62
30/09/2018 06:56	0	9.31	9.23	0.14	0	1021.62
30/09/2018 08:14	0	9.39	9.77	0.25	0	1022.1
30/09/2018 09:31	0	9.65	10.27	0.21	0	1022.1
30/09/2018 10:48	0	10.01	10.35	0.3	0	1021.14
30/09/2018 12:05	0	10.11	10.24	0.19	0	1020.66
30/09/2018 13:22	0	10.64	9.93	0.28	0	1020.18
30/09/2018 14:40	0	10.57	9.77	0.05	0	1020.18
30/09/2018 15:57	0	10.57	9.94	0.26	0	1020.18
30/09/2018 17:14	0	10.47	10.01	0.11	0	1020.18
30/09/2018 18:32	0	10.03	10.37	0.15	0	1020.66
30/09/2018 19:49	0	9.71	10.67	0.12	0	1020.66
30/09/2018 21:07	0	9.52	10.88	0.25	0	1021.14
30/09/2018 22:24	0	9.28	10.99	0.17	0	1022.1
30/09/2018 23:42	0	9	11.05	0.04	0	1022.57
01/10/2018 00:59	0	8.66	11.11	0.15	0	1023.53
01/10/2018 02:17	0	8.75	11.14	0.11	0	1023.53
01/10/2018 03:34	0	8.64	11.09	0.17	0	1024.01
01/10/2018 04:51	0	8.61	11.05	0.25	0	1024.96
01/10/2018 06:09	0	8.65	11.28	0.07	0	1025.92
01/10/2018 07:26	0	8.44	11.68	0.16	0.03	1026.88
01/10/2018 08:44	0	8.46	11.73	0.11	0	1027.83
01/10/2018 10:01	0	8.57	11.61	0.07	0	1028.79
01/10/2018 11:18	0	8.75	11.41	0.23	0	1028.79
01/10/2018 12:35	0	8.91	11.18	0.28	0	1028.79
01/10/2018 13:52	0	9.28	10.73	0.02	0	1027.83
01/10/2018 15:09	0	9.64	10.19	0.07	0	1027.83
01/10/2018 16:26	0	9.8	9.99	0.25	0	1027.83
01/10/2018 17:44	0	9.77	9.66	0.21	0	1027.36
01/10/2018 19:01	0	9.69	9.84	0.27	0	1027.36
01/10/2018 20:19	0	9.46	9.94	0.11	0	1027.36
01/10/2018 21:36	0	9.53	9.94	0.16	0	1026.88
01/10/2018 22:54	0	9.53	9.82	0.09	0	1026.4
02/10/2018 00:11	0	9.77	9.61	0.25	0	1025.92
02/10/2018 01:29	0	9.82	9.44	0	0	1024.96
02/10/2018 02:46	0	9.89	9.11	0.11	0	1023.53

02/10/2018 04:03	0	10.24	8.55	0.15	0	1022.57
02/10/2018 05:21	0	10.59	8.23	0.11	0	1022.1
02/10/2018 06:38	0	10.75	8.11	0.4	0	1021.62
02/10/2018 07:55	0	11	8.51	0.05	0	1022.1
02/10/2018 09:13	0	10.98	9.11	0.07	0	1022.1
02/10/2018 10:30	0	10.71	9.32	0.17	0	1022.1
02/10/2018 11:47	0	10.74	9.41	0.26	0	1022.57
02/10/2018 13:04	0	10.69	9.4	0.43	0	1021.62
02/10/2018 14:21	0	10.61	9.27	0.07	0	1022.1
02/10/2018 15:39	0	10.59	9.61	0.05	0	1022.1
02/10/2018 16:56	0	10.23	9.82	0.24	0	1022.57
02/10/2018 18:13	0	9.91	10.02	0.07	0	1023.53
02/10/2018 19:31	0	9.69	10.13	0.28	0	1023.53
02/10/2018 20:48	0	9.44	10.27	0.06	0	1024.01
02/10/2018 22:06	0	9.36	10.39	0.17	0	1024.96
02/10/2018 23:23	0	9.13	10.47	0.11	0	1024.96
03/10/2018 00:41	0	9.17	10.57	0.25	0	1024.96
03/10/2018 01:58	0	9.21	10.64	0.27	0	1025.92
03/10/2018 03:15	0	9.1	10.75	0.43	0	1026.4
03/10/2018 04:33	0	9.07	10.88	0.05	0	1026.4
03/10/2018 05:50	0	8.86	11.04	0.23	0	1027.36
03/10/2018 07:08	0	8.76	11.21	0.36	0	1027.83
03/10/2018 08:25	0	8.68	11.44	0.14	0	1028.79
03/10/2018 09:42	0	8.72	11.66	0.51	0	1029.27
03/10/2018 11:58	0	7.42	11.94	0.51	0.01	1030.34
03/10/2018 14:48	0	7.98	11.46	0.38	0	1029.86
03/10/2018 17:39	0	8.15	10.88	0.57	0	1029.38
03/10/2018 20:33	0	7.28	11.37	0.96	0	1029.86
03/10/2018 23:25	0	7.32	11.55	0.67	0	1029.38
04/10/2018 02:18	0	6.98	11.64	0.61	0	1028.42
04/10/2018 05:10	0	7.09	11.49	0.74	0.01	1028.42
04/10/2018 08:02	0	7.11	11.56	0.54	0	1027.94
04/10/2018 10:53	0	7.48	11.82	0.32	0.01	1027.94
04/10/2018 13:44	0	7.56	11.76	1.03	0	1026.99
04/10/2018 16:35	0	7.56	11.45	0.57	0	1025.55
04/10/2018 19:27	0	7.69	10.97	0.57	0	1023.63
04/10/2018 22:20	0	7.35	10.86	0.67	0	1023.16
05/10/2018 01:13	0	7.55	10.76	0.48	0.04	1021.72
05/10/2018 04:05	0	7.59	10.46	0.51	0.03	1019.8
05/10/2018 06:56	0	7.8	9.99	0.8	0.03	1018.85
05/10/2018 09:48	0	8.17	10.44	0.26	0.04	1018.37
05/10/2018 12:38	0	8.41	10.68	0.22	0	1017.41
05/10/2018 15:26	0	9.08	10.45	0.32	0	1015.98
05/10/2018 18:18	0	8.78	10.16	1.14	0	1015.02
05/10/2018 21:13	0	8.11	10.41	1.25	0	1014.54
06/10/2018 00:06	0	8.05	10.63	0.51	0	1013.1
06/10/2018 02:58	0	8.08	10.65	0.99	0	1011.67

06/10/2018 05:49	0	8.48	10.3	0.28	0.01	1010.23
06/10/2018 08:41	0	8.46	10.32	0.48	0.01	1010.71
06/10/2018 11:33	0	8.73	10.55	0.45	0	1009.75
06/10/2018 14:25	0	8.48	10.45	0.87	0.01	1010.71
06/10/2018 17:17	0	8.48	10.19	0.96	0.01	1011.19
06/10/2018 20:09	0	8.57	10.13	0.9	0.04	1014.54
06/10/2018 23:01	0	8.69	10.02	0.57	0.05	1015.98
07/10/2018 01:52	0	8.52	9.75	0.61	0.01	1018.37
07/10/2018 04:45	0	8.64	10.26	0.77	0.04	1021.72
07/10/2018 07:37	0	8.19	10.6	0.51	0.05	1023.16
07/10/2018 10:28	0	8.6	10.66	0.61	0.03	1025.07
07/10/2018 13:18	0	8.86	10.44	0.1	0.01	1025.07
07/10/2018 16:08	0	9.46	10.01	0.1	0	1025.07
07/10/2018 19:01	0	8.38	10.47	0.99	0	1025.07
07/10/2018 21:55	0	7.7	10.95	0.93	0.01	1026.03
08/10/2018 00:47	0	7.55	10.97	0.99	0.03	1025.07
08/10/2018 03:40	0	7.43	10.79	0.9	0.05	1024.11
08/10/2018 06:32	0	7.68	10.61	0.26	0.01	1023.63
08/10/2018 09:23	0	8.09	11.65	0.61	0.01	1025.07
08/10/2018 12:13	0	8.58	11.67	0.38	0.01	1025.07
08/10/2018 15:04	0	8.88	10.96	0.22	0	1023.16
08/10/2018 17:56	0	9.07	10.22	0.9	0	1022.68
08/10/2018 20:49	0	8.38	10.89	0.57	0	1023.16
08/10/2018 23:41	0	8.02	10.95	0.38	0.01	1022.2
09/10/2018 02:33	0	8.25	10.79	0.61	0.04	1021.72
09/10/2018 05:25	0	8.18	10.65	0.7	0.01	1020.28
09/10/2018 08:17	0	8.25	11.22	0.71	0	1021.24
09/10/2018 11:08	0	8.35	11.37	0.45	0.03	1021.24
09/10/2018 13:57	0	9.07	11.11	0.16	0	1020.76
09/10/2018 16:47	0	9.14	10.56	0.9	0	1020.28
09/10/2018 19:41	0	7.94	10.75	1.57	0	1019.8
09/10/2018 22:34	0	7.91	10.84	1.41	0.01	1019.33
10/10/2018 01:27	0	7.99	10.99	0.67	0.01	1018.85
10/10/2018 04:18	0	7.87	10.94	0.06	0	1016.93
10/10/2018 07:10	0	8.05	10.53	0.64	0.01	1015.98
10/10/2018 10:01	0	8.21	10.42	0.41	0.01	1015.02
10/10/2018 12:52	0	8.77	10.21	0.03	0	1013.58
10/10/2018 15:40	0	9.96	9.25	0.35	0	1011.19
10/10/2018 18:32	0	9.86	8.48	1.73	0	1009.27
10/10/2018 21:26	0	9.67	8.17	1.44	0	1007.84
11/10/2018 00:18	0	9.96	8.27	0.83	0	1006.88
11/10/2018 03:11	0	9.81	8.77	0.51	0.01	1004.97
11/10/2018 06:02	0	9.83	9.18	1.14	0	1004.97
11/10/2018 08:54	0	9.57	9.84	0.48	0	1005.92
11/10/2018 11:45	0	9.46	10.1	0.45	0	1005.44
11/10/2018 14:36	0	9.6	10.03	0.67	0	1005.92
11/10/2018 17:28	0	9.22	10.36	0.45	0	1006.88

11/10/2018 20:21	0	8.63	10.58	0.7	0.01	1008.32
11/10/2018 23:13	0	8.53	10.78	0.25	0	1009.75
12/10/2018 02:05	0	8.43	10.71	0.57	0	1010.71
12/10/2018 04:56	0	8.43	10.62	0.48	0	1011.19
12/10/2018 07:48	0	8.44	10.54	0.16	0	1012.15
12/10/2018 10:39	0	8.46	10.57	0.28	0.01	1013.1
12/10/2018 13:30	0	8.72	10.47	0.22	0.01	1013.1
12/10/2018 16:20	0	9.02	10.27	0.48	0	1013.1
12/10/2018 19:14	0	8.67	10.11	0.45	0	1014.54
12/10/2018 22:06	0	8.44	10.24	0.61	0	1014.54
13/10/2018 00:58	0	8.38	10.27	0.83	0	1014.54
13/10/2018 03:49	0	8.36	10.19	0.61	0	1014.06
13/10/2018 06:41	0	8.39	10.1	0.54	0	1013.58
13/10/2018 09:33	0	8.44	10.17	0.19	0	1014.54
13/10/2018 12:24	0	8.6	10.19	0.28	0	1012.62
13/10/2018 15:13	0	9.51	9.24	0.1	0	1010.71
13/10/2018 18:06	0	9.38	8.89	0.48	0	1010.71
13/10/2018 20:59	0	9.09	9.27	0.54	0.01	1010.71
13/10/2018 23:51	0	8.77	9.44	0.83	0.01	1009.27
14/10/2018 02:43	0	8.92	9.38	0.45	0	1008.32
14/10/2018 05:35	0	8.97	9.19	0.26	0.01	1006.88
14/10/2018 08:27	0	9.09	8.77	0.42	0.03	1005.44
14/10/2018 11:19	0	9.52	8.53	0.06	0.03	1005.92
14/10/2018 14:11	0	9.35	8.42	0.54	0.01	1005.92
14/10/2018 17:02	0	9.6	8.44	0.9	0.01	1006.88
14/10/2018 19:55	0	9.49	8.56	0.42	0.03	1007.84
14/10/2018 22:46	0	9.6	8.22	0.57	0.01	1007.84
15/10/2018 01:38	0	9.77	8.25	0.67	0.04	1008.79
15/10/2018 04:30	0	10.24	7.86	0.38	0.03	1008.32
15/10/2018 07:21	0	10.37	8.24	0.19	0.01	1008.79
15/10/2018 10:13	0	10.29	8.74	0.38	0.01	1010.71
15/10/2018 13:03	0	10.35	9.13	0.16	0	1012.15
15/10/2018 15:53	0	9.94	9.3	0.16	0	1013.1
15/10/2018 18:44	0	9.09	9.55	0.57	0	1014.54
15/10/2018 21:37	0	9.02	9.78	0.64	0	1015.5
16/10/2018 00:29	0	9.1	10.02	0.7	0	1015.98
16/10/2018 03:21	0	8.73	10.11	0.26	0.01	1015.98
16/10/2018 06:13	0	8.52	10.1	0.1	0.03	1016.45
16/10/2018 09:05	0	8.24	10.26	0.35	0	1017.41
16/10/2018 11:56	0	8.53	10.39	0.54	0	1017.89
16/10/2018 14:46	0	8.67	10.25	0.26	0	1017.89
16/10/2018 17:37	0	8.69	10.11	0.13	0	1018.37
16/10/2018 20:30	0	8.52	10.07	0.51	0	1019.33
16/10/2018 23:22	0	8.33	10	0.51	0	1019.33
17/10/2018 02:14	0	8.09	9.9	0.22	0.01	1019.33
17/10/2018 05:06	0	8	9.82	0.55	0	1019.33
17/10/2018 07:58	0	7.99	9.92	0.57	0.03	1020.28

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Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH104

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
26/09/2018 14:50	0.07	0	1033.44
26/09/2018 16:07	0.08	0.01	1032.96
26/09/2018 17:25	0.04	0	1032.96
26/09/2018 18:42	0	-0.01	1032.48
26/09/2018 20:00	0	-0.02	1032.48
26/09/2018 21:18	0	-0.02	1032
26/09/2018 22:36	0	-0.02	1032
26/09/2018 23:54	0	-0.02	1031.51
27/09/2018 01:11	0	-0.03	1031.51
27/09/2018 02:29	0	-0.03	1030.55
27/09/2018 03:46	0	-0.03	1029.59
27/09/2018 05:03	0	-0.03	1029.11
27/09/2018 06:21	0	-0.03	1028.63
27/09/2018 07:38	0	-0.04	1027.66
27/09/2018 08:55	0	-0.03	1028.15
27/09/2018 10:12	0	-0.03	1028.15
27/09/2018 11:29	0.06	-0.01	1027.66
27/09/2018 12:47	0.05	-0.01	1027.18
27/09/2018 14:05	0.08	0	1026.22
27/09/2018 15:22	0.08	0	1025.74
27/09/2018 16:40	0.06	0	1024.78
27/09/2018 17:58	0	-0.02	1024.78
27/09/2018 19:16	0	-0.03	1024.78
27/09/2018 20:34	0	-0.03	1024.3
27/09/2018 21:51	0	-0.03	1023.81
27/09/2018 23:09	0	-0.03	1024.3
28/09/2018 00:26	0.01	-0.04	1024.78
28/09/2018 01:44	0.01	-0.03	1024.78
28/09/2018 03:01	0.09	0	1024.78
28/09/2018 04:19	0.15	-0.04	1024.78
28/09/2018 05:36	0.03	-0.02	1025.74
28/09/2018 06:53	0	-0.04	1027.18
28/09/2018 08:11	0	-0.04	1028.15
28/09/2018 09:28	0.09	-0.03	1029.11
28/09/2018 10:45	0.14	-0.01	1030.07
28/09/2018 12:03	0.2	0	1030.55
28/09/2018 13:20	0.22	0	1030.07
28/09/2018 14:38	0.12	0	1030.07
28/09/2018 15:56	0.15	-0.02	1030.07

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28/09/2018 17:14	0.02	-0.02	1030.55
28/09/2018 18:31	0	-0.03	1031.03
28/09/2018 19:49	0	-0.03	1031.51
28/09/2018 21:07	0	-0.04	1032
28/09/2018 22:24	0	-0.03	1032.48
28/09/2018 23:42	0	-0.03	1032.48
29/09/2018 01:00	0	-0.04	1031.51
29/09/2018 02:17	0	-0.04	1031.51
29/09/2018 03:34	0	-0.03	1031.03
29/09/2018 04:52	0	-0.03	1030.55
29/09/2018 06:09	0	-0.05	1030.55
29/09/2018 07:27	0.08	-0.03	1030.55
29/09/2018 08:44	0	-0.04	1030.07
29/09/2018 10:01	0	-0.03	1029.59
29/09/2018 11:19	0.04	-0.02	1029.59
29/09/2018 12:36	0.08	-0.01	1028.63
29/09/2018 13:54	0.08	-0.01	1028.15
29/09/2018 15:12	0.05	0	1026.7
29/09/2018 16:29	0.01	-0.02	1025.74
29/09/2018 17:47	0	-0.03	1024.78
29/09/2018 19:05	0	-0.03	1024.78
29/09/2018 20:23	0	-0.03	1023.81
29/09/2018 21:41	0	-0.04	1023.33
29/09/2018 22:58	0	-0.04	1023.33
30/09/2018 00:16	0	-0.04	1022.85
30/09/2018 01:33	0	-0.04	1022.37
30/09/2018 02:51	0	-0.04	1021.89
30/09/2018 04:08	0	-0.05	1020.93
30/09/2018 05:26	0	-0.04	1020.93
30/09/2018 06:43	0	-0.04	1020.93
30/09/2018 08:01	0	-0.05	1020.45
30/09/2018 09:18	0	-0.03	1020.93
30/09/2018 10:35	0.01	-0.02	1020.45
30/09/2018 11:52	0.02	-0.03	1020.45
30/09/2018 13:10	0.03	-0.05	1019.96
30/09/2018 14:28	0	-0.03	1019.48
30/09/2018 15:45	0	-0.03	1019.48
30/09/2018 17:03	0	-0.03	1019.48
30/09/2018 18:20	0.01	-0.03	1019.48
30/09/2018 19:38	0	-0.03	1020.45
30/09/2018 20:56	0	-0.04	1020.45
30/09/2018 22:13	0.01	-0.04	1021.89
30/09/2018 23:31	0.09	-0.03	1021.89
01/10/2018 00:48	0	-0.03	1022.37
01/10/2018 02:06	0.01	-0.04	1022.85
01/10/2018 03:23	0.05	-0.04	1023.33
01/10/2018 04:41	0.04	-0.04	1023.81

01/10/2018 05:58	0.07	-0.04	1024.78
01/10/2018 07:16	0.03	-0.04	1025.74
01/10/2018 08:33	0.19	-0.04	1026.7
01/10/2018 09:50	0.05	-0.02	1027.66
01/10/2018 11:08	0.05	-0.02	1028.15
01/10/2018 12:25	0.28	-0.01	1028.15
01/10/2018 13:43	0.1	0.01	1027.66
01/10/2018 15:01	0.39	-0.04	1028.15
01/10/2018 16:19	0.18	-0.03	1027.66
01/10/2018 17:36	0.01	-0.03	1027.18
01/10/2018 18:54	0	-0.03	1027.18
01/10/2018 20:12	0	-0.03	1026.7
01/10/2018 21:30	0	-0.03	1026.22
01/10/2018 22:47	0.03	-0.03	1025.74
02/10/2018 00:05	0.1	0	1025.26
02/10/2018 01:22	0.03	-0.02	1024.3
02/10/2018 02:40	0.06	-0.03	1022.85
02/10/2018 03:57	0.15	0	1021.89
02/10/2018 05:14	0.21	-0.02	1021.41
02/10/2018 06:32	0.1	0	1020.93
02/10/2018 07:49	0.03	-0.04	1020.93
02/10/2018 09:06	0.01	-0.04	1021.41
02/10/2018 10:23	0.05	-0.05	1021.41
02/10/2018 11:40	0.06	-0.04	1021.89
02/10/2018 12:58	0.09	-0.04	1021.41
02/10/2018 14:15	0.04	-0.02	1020.93
02/10/2018 15:33	0.09	-0.02	1021.89
02/10/2018 16:50	0.07	-0.02	1021.89
02/10/2018 18:08	0.04	-0.03	1022.37
02/10/2018 19:25	0.09	-0.02	1023.33
02/10/2018 20:43	0.01	-0.02	1023.81
02/10/2018 22:00	0.02	-0.01	1024.3
02/10/2018 23:18	0	-0.04	1024.3
03/10/2018 00:35	0	-0.02	1024.3
03/10/2018 01:53	0.01	-0.04	1024.78
03/10/2018 03:10	0	-0.03	1025.74
03/10/2018 04:27	0	-0.04	1026.22
03/10/2018 05:45	0	-0.04	1026.22
03/10/2018 07:02	0	-0.04	1027.18
03/10/2018 08:20	0	-0.04	1027.66
03/10/2018 09:37	0	-0.02	1028.63
03/10/2018 10:54	0.02	-0.01	1029.11
03/10/2018 12:12	0.05	0.01	1029.11
03/10/2018 13:30	0.05	-0.01	1029.11
03/10/2018 14:48	0.09	0	1028.63
03/10/2018 16:05	0.16	0	1027.66
03/10/2018 17:23	0.05	0	1027.66

03/10/2018 18:41	0	-0.03	1028.15
03/10/2018 19:59	0	-0.03	1028.15
03/10/2018 21:16	0	-0.03	1028.15
03/10/2018 22:34	0	-0.03	1027.66
03/10/2018 23:51	0	-0.03	1027.66
04/10/2018 01:09	0	-0.03	1027.66
04/10/2018 02:26	0	-0.04	1027.18
04/10/2018 03:44	0	-0.03	1026.22
04/10/2018 05:01	0	-0.04	1026.22
04/10/2018 06:19	0	-0.04	1026.7
04/10/2018 07:36	0	-0.04	1026.7
04/10/2018 08:53	0	-0.03	1026.7
04/10/2018 10:11	0	-0.03	1026.7
04/10/2018 11:28	0.04	-0.03	1026.22
04/10/2018 12:45	0.07	-0.02	1025.74
04/10/2018 14:02	0.03	-0.01	1025.74
04/10/2018 15:20	0.02	-0.01	1024.3
04/10/2018 16:37	0.01	-0.02	1023.81
04/10/2018 17:55	0	-0.03	1022.85
04/10/2018 19:12	0	-0.03	1022.37
04/10/2018 20:30	0	-0.03	1021.89
04/10/2018 21:47	0	-0.03	1021.89
04/10/2018 23:05	0	-0.04	1020.93
05/10/2018 00:22	0	-0.04	1020.45
05/10/2018 01:40	0	-0.04	1019.96
05/10/2018 02:57	0	-0.04	1018.52
05/10/2018 04:15	0	-0.04	1017.56
05/10/2018 05:32	0	-0.04	1017.08
05/10/2018 06:49	0	-0.04	1016.6
05/10/2018 08:07	0	-0.03	1016.6
05/10/2018 09:24	0	-0.04	1016.6
05/10/2018 10:41	0.01	-0.03	1016.11
05/10/2018 11:58	0.05	-0.01	1016.11
05/10/2018 13:16	0.11	-0.03	1015.63
05/10/2018 14:34	0.03	-0.02	1015.15
05/10/2018 15:52	0.01	-0.02	1014.19
05/10/2018 17:09	0	-0.02	1014.19
05/10/2018 18:27	0	-0.03	1013.71
05/10/2018 19:45	0	-0.03	1012.75
05/10/2018 21:03	0	-0.03	1012.26
05/10/2018 22:21	0	-0.04	1011.78
05/10/2018 23:38	0	-0.03	1011.78
06/10/2018 00:56	0	-0.03	1011.3
06/10/2018 02:13	0	-0.04	1010.34
06/10/2018 03:30	0	-0.04	1009.86
06/10/2018 04:48	0	-0.04	1008.9
06/10/2018 06:05	0	-0.04	1008.42

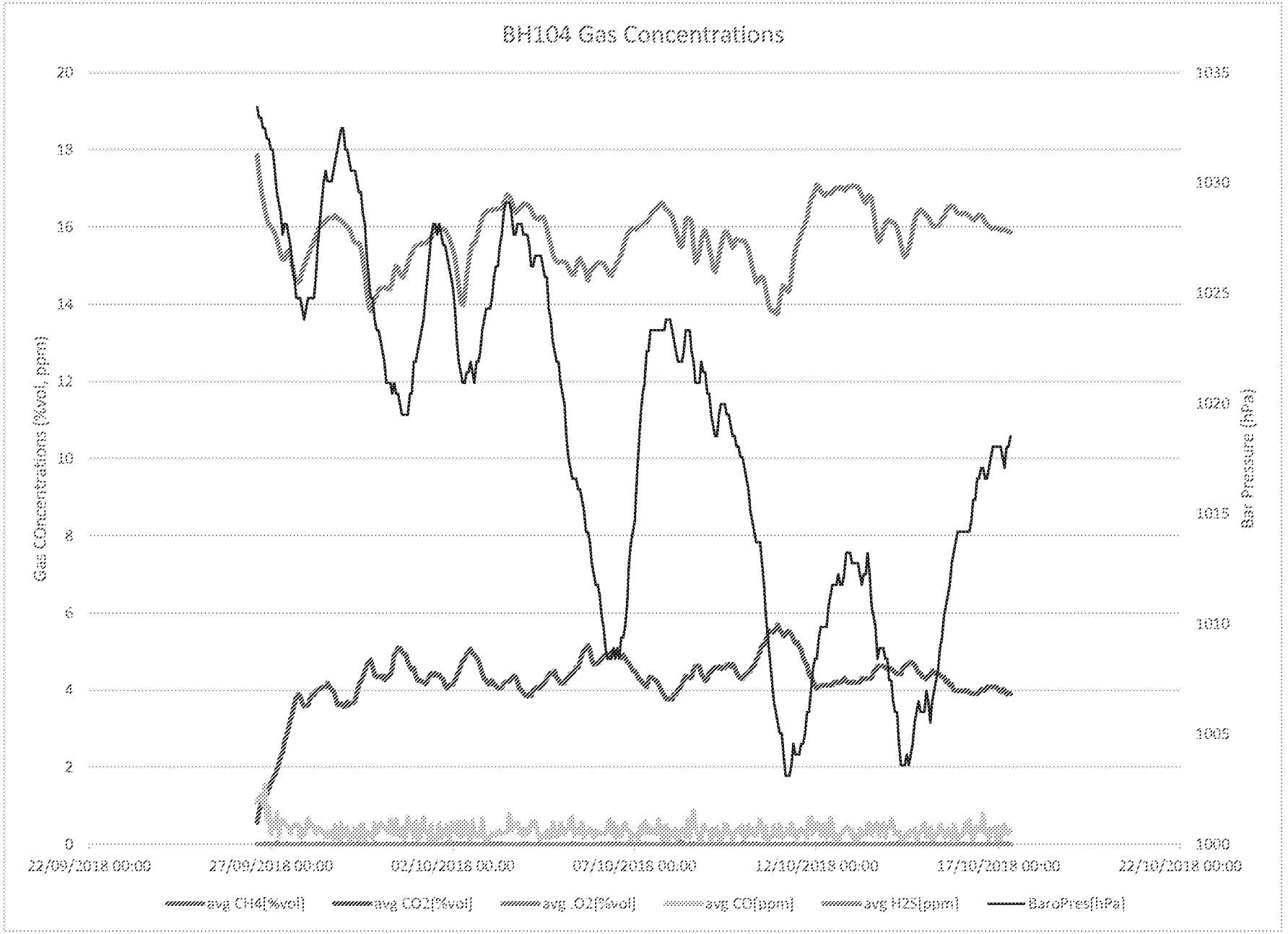
06/10/2018 07:23	0	-0.03	1008.42
06/10/2018 08:40	0	-0.03	1008.42
06/10/2018 09:57	0.01	-0.03	1008.9
06/10/2018 11:15	0.28	0.02	1008.42
06/10/2018 12:32	0.13	0	1008.9
06/10/2018 13:50	0.35	-0.03	1008.42
06/10/2018 15:07	0.24	-0.06	1009.38
06/10/2018 16:25	0.15	-0.04	1009.38
06/10/2018 17:42	0.18	-0.03	1009.86
06/10/2018 18:59	0.71	-0.03	1010.82
06/10/2018 20:17	0.71	-0.12	1012.75
06/10/2018 21:34	0.75	0.04	1013.71
06/10/2018 22:52	0.62	0.08	1014.19
07/10/2018 00:09	0.39	0.06	1014.67
07/10/2018 01:26	0.61	0.03	1016.6
07/10/2018 02:44	0.18	-0.01	1018.04
07/10/2018 04:01	0.09	-0.04	1019.48
07/10/2018 05:19	0.01	-0.04	1020.45
07/10/2018 06:36	0.01	-0.04	1020.93
07/10/2018 07:54	0.1	-0.04	1022.37
07/10/2018 09:11	0.19	-0.01	1022.37
07/10/2018 10:28	0.15	0.01	1023.33
07/10/2018 11:46	0.09	-0.01	1023.33
07/10/2018 13:04	0.09	-0.02	1023.33
07/10/2018 14:21	0.06	0	1023.33
07/10/2018 15:39	0	-0.02	1023.33
07/10/2018 16:57	0	-0.03	1023.33
07/10/2018 18:15	0	-0.03	1023.33
07/10/2018 19:33	0	-0.03	1023.33
07/10/2018 20:50	0	-0.03	1023.81
07/10/2018 22:08	0	-0.04	1023.81
07/10/2018 23:26	0	-0.03	1023.81
08/10/2018 00:43	0	-0.04	1023.33
08/10/2018 02:01	0	-0.04	1022.85
08/10/2018 03:18	0	-0.04	1022.37
08/10/2018 04:35	0	-0.04	1021.89
08/10/2018 05:53	0	-0.04	1021.89
08/10/2018 07:10	0	-0.04	1021.89
08/10/2018 08:28	0	-0.04	1022.37
08/10/2018 09:45	0	-0.04	1023.33
08/10/2018 11:02	0	-0.02	1023.33
08/10/2018 12:19	0.07	-0.02	1023.33
08/10/2018 13:36	0.09	-0.02	1022.37
08/10/2018 14:53	0.09	0	1021.89
08/10/2018 16:11	0.1	0.01	1020.93
08/10/2018 17:28	0.02	-0.02	1020.93
08/10/2018 18:46	0	-0.03	1020.93

08/10/2018 20:03	0	-0.04	1021.89
08/10/2018 21:21	0	-0.03	1021.41
08/10/2018 22:38	0	-0.03	1021.41
08/10/2018 23:56	0	-0.03	1020.45
09/10/2018 01:13	0	-0.04	1020.45
09/10/2018 02:31	0.02	-0.03	1019.48
09/10/2018 03:48	0	-0.03	1019
09/10/2018 05:06	0	-0.04	1018.52
09/10/2018 06:23	0	-0.04	1018.52
09/10/2018 07:40	0	-0.02	1019.48
09/10/2018 08:57	0.05	-0.03	1019.96
09/10/2018 10:15	0.08	-0.01	1019.96
09/10/2018 11:32	0.17	0.02	1019.96
09/10/2018 12:50	0.06	-0.02	1019.48
09/10/2018 14:07	0.09	0	1019.48
09/10/2018 15:25	0.04	-0.01	1019
09/10/2018 16:43	0	-0.02	1018.52
09/10/2018 18:01	0	-0.02	1018.52
09/10/2018 19:19	0	-0.03	1018.04
09/10/2018 20:36	0	-0.03	1018.04
09/10/2018 21:54	0	-0.03	1017.56
09/10/2018 23:12	0	-0.04	1017.56
10/10/2018 00:29	0	-0.03	1017.08
10/10/2018 01:46	0	-0.03	1016.6
10/10/2018 03:04	0.02	-0.02	1016.11
10/10/2018 04:21	0.01	-0.02	1015.15
10/10/2018 05:38	0	-0.04	1014.67
10/10/2018 06:56	0	-0.02	1014.19
10/10/2018 08:13	0.13	-0.01	1013.71
10/10/2018 09:30	0.2	-0.03	1013.71
10/10/2018 10:48	0.16	-0.02	1013.71
10/10/2018 12:06	0.11	0.01	1012.75
10/10/2018 13:23	0.16	0	1011.78
10/10/2018 14:41	0.09	0	1010.34
10/10/2018 15:59	0.12	-0.03	1009.38
10/10/2018 17:17	0.14	-0.02	1008.42
10/10/2018 18:35	0.05	-0.02	1007.45
10/10/2018 19:52	0.07	0	1006.49
10/10/2018 21:10	0.18	0.04	1006.01
10/10/2018 22:27	0.11	0	1005.53
10/10/2018 23:45	0.06	-0.03	1005.05
11/10/2018 01:02	0.02	-0.03	1005.05
11/10/2018 02:20	0.07	-0.02	1004.08
11/10/2018 03:37	0.03	-0.03	1003.12
11/10/2018 04:55	0.11	-0.02	1003.12
11/10/2018 06:12	0.12	0	1003.12
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11/10/2018 08:46	0.17	-0.03	1004.57
11/10/2018 10:04	0.15	0	1004.08
11/10/2018 11:21	0.12	0	1004.08
11/10/2018 12:39	0.12	-0.01	1004.08
11/10/2018 13:56	0.16	0	1004.57
11/10/2018 15:14	0.11	-0.02	1004.57
11/10/2018 16:32	0.31	-0.02	1005.05
11/10/2018 17:49	0.22	-0.07	1006.01
11/10/2018 19:06	0.07	-0.03	1006.01
11/10/2018 20:24	0	-0.04	1006.97
11/10/2018 21:41	0.13	-0.03	1007.93
11/10/2018 22:59	0	-0.03	1008.42
12/10/2018 00:16	0.2	0	1008.42
12/10/2018 01:34	0.24	0.04	1009.38
12/10/2018 02:51	0.1	-0.04	1009.86
12/10/2018 04:08	0.29	-0.02	1009.86
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12/10/2018 08:01	0.07	-0.02	1010.82
12/10/2018 09:18	0.14	0	1011.3
12/10/2018 10:35	0.26	0.01	1011.78
12/10/2018 11:52	0.44	-0.01	1011.78
12/10/2018 13:10	0.49	0.02	1011.78
12/10/2018 14:27	0.23	-0.01	1012.26
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12/10/2018 17:03	0.21	0	1011.78
12/10/2018 18:20	0.09	0	1012.26
12/10/2018 19:38	0.12	-0.03	1013.23
12/10/2018 20:55	0.13	0	1013.23
12/10/2018 22:13	0.15	-0.02	1013.23
12/10/2018 23:30	0.05	-0.01	1012.75
13/10/2018 00:47	0.09	-0.01	1012.75
13/10/2018 02:05	0.32	-0.02	1012.75
13/10/2018 03:22	0.09	-0.02	1012.75
13/10/2018 04:40	0.1	-0.02	1012.26
13/10/2018 05:57	0.11	0	1011.78
13/10/2018 07:14	0.21	-0.02	1012.26
13/10/2018 08:32	0.12	-0.02	1012.26
13/10/2018 09:49	0.07	-0.01	1013.23
13/10/2018 11:06	0.05	0	1012.26
13/10/2018 12:24	0.17	0.01	1010.82
13/10/2018 13:41	0.14	-0.02	1010.34
13/10/2018 14:59	0.17	0.04	1009.86
13/10/2018 16:17	0.19	-0.02	1008.42
13/10/2018 17:34	0	-0.03	1008.9
13/10/2018 18:52	0.06	-0.03	1008.9
13/10/2018 20:10	0.07	-0.02	1008.9

13/10/2018 21:27	0.07	-0.04	1008.42
13/10/2018 22:45	0.04	-0.01	1008.42
14/10/2018 00:02	0.02	-0.02	1007.45
14/10/2018 01:20	0.04	-0.04	1007.45
14/10/2018 02:37	0	-0.03	1006.49
14/10/2018 03:54	0	-0.03	1006.01
14/10/2018 05:12	0	-0.04	1006.01
14/10/2018 06:29	0	-0.03	1004.57
14/10/2018 07:47	0.1	-0.02	1003.6
14/10/2018 09:04	0.2	0	1003.6
14/10/2018 10:21	0.04	-0.02	1003.6
14/10/2018 11:39	0.31	0.01	1004.08
14/10/2018 12:56	1.19	-0.02	1003.6
14/10/2018 14:14	0.27	-0.05	1004.08
14/10/2018 15:31	0.26	-0.03	1004.57
14/10/2018 16:48	0.31	0.04	1005.53
14/10/2018 18:06	0.24	0.03	1006.01
14/10/2018 19:23	0.29	-0.01	1006.49
14/10/2018 20:41	0.19	0.02	1006.01
14/10/2018 21:58	0.45	0	1006.01
14/10/2018 23:16	0.39	0	1006.01
15/10/2018 00:33	0.13	-0.01	1006.97
15/10/2018 01:50	0.16	0	1006.49
15/10/2018 03:08	0.24	0.01	1005.53
15/10/2018 04:25	0.04	-0.04	1006.49
15/10/2018 05:43	0	-0.03	1006.97
15/10/2018 07:00	0.12	0	1007.45
15/10/2018 08:17	0.04	-0.04	1007.93
15/10/2018 09:34	0.03	-0.03	1008.9
15/10/2018 10:52	0.23	-0.02	1009.38
15/10/2018 12:09	0.02	-0.03	1010.34
15/10/2018 13:26	0	-0.02	1010.82
15/10/2018 14:44	0	-0.03	1011.3
15/10/2018 16:01	0	-0.03	1011.78
15/10/2018 17:19	0	-0.03	1012.75
15/10/2018 18:37	0	-0.03	1013.23
15/10/2018 19:54	0	-0.03	1013.71
15/10/2018 21:12	0.01	-0.04	1014.19
15/10/2018 22:29	0	-0.03	1014.19
15/10/2018 23:47	0	-0.04	1014.19
16/10/2018 01:04	0	-0.03	1014.19
16/10/2018 02:22	0	-0.03	1014.19
16/10/2018 03:39	0	-0.03	1014.19
16/10/2018 04:56	0	-0.03	1014.19
16/10/2018 06:14	0	-0.03	1014.67
16/10/2018 07:31	0	-0.03	1015.63
16/10/2018 08:48	0	-0.03	1015.63

16/10/2018 10:06	0.05	-0.03	1016.6
16/10/2018 11:23	0.25	0.03	1016.6
16/10/2018 12:41	0.15	0	1017.08
16/10/2018 13:59	0.09	-0.02	1017.08
16/10/2018 15:16	0.05	0	1016.6
16/10/2018 16:34	0.03	0	1016.6
16/10/2018 17:51	0.04	-0.02	1017.08
16/10/2018 19:09	0	-0.03	1017.56
16/10/2018 20:27	0	-0.04	1018.04
16/10/2018 21:44	0	-0.03	1018.04
16/10/2018 23:01	0.05	-0.03	1018.04
17/10/2018 00:19	0.08	0	1018.04
17/10/2018 01:36	0	-0.03	1018.04
17/10/2018 02:54	0.02	-0.03	1017.56
17/10/2018 04:11	0	-0.03	1017.08
17/10/2018 05:29	0	-0.03	1018.04
17/10/2018 06:46	0	-0.04	1018.04
17/10/2018 08:04	0	-0.04	1018.52


BH104 Gas Concentrations
Gas COncentrations (%vol, ppm)
Bar Pressure (hPa)
20
18
16
14
12
10
8
6
4
2
0
1035
1030
1025
1020
1015
1010
1005
1000
22/09/2018 00:00
27/09/2018 00:00
02/10/2018 00:00
07/10/2018 00:00
12/10/2018 00:00
17/10/2018 00:00
22/10/2018 00:00
avg CH4[%vol]
avg CO2[%vol]
avg .O2[%vol]
avg CO[ppm]
avg H2S[ppm]
BaroPres[hPa]

Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH104

Time	avg CH4[%	avg CO2[%	avg .O2[%v	avg CO[ppi	avg H2S[pi	BaroPres[hPa]
26/09/2018 14:50	0	0.57	17.87	1.09	0	1033.44
26/09/2018 16:07	0	0.86	17.36	1.23	0	1032.96
26/09/2018 17:25	0	1.05	17	1.31	0	1032.96
26/09/2018 18:42	0	1.24	16.71	1.01	0	1032.48
26/09/2018 20:00	0.01	1.21	16.44	1.53	0	1032.48
26/09/2018 21:18	0	1.32	16.2	0.64	0	1032
26/09/2018 22:36	0.01	1.44	16.07	0.97	0	1032
26/09/2018 23:54	0.01	1.61	16	0.26	0	1031.51
27/09/2018 01:11	0	1.7	15.94	0.45	0	1031.51
27/09/2018 02:29	0	1.8	15.83	0.41	0	1030.55
27/09/2018 03:46	0	1.92	15.68	0.83	0.05	1029.59
27/09/2018 05:03	0	2.08	15.49	0.21	0	1029.11
27/09/2018 06:21	0	2.29	15.29	0.49	0	1028.63
27/09/2018 07:38	0	2.36	15.16	0.63	0	1027.66
27/09/2018 08:55	0	2.68	15.17	0.6	0	1028.15
27/09/2018 10:12	0.02	2.82	15.31	0.52	0	1028.15
27/09/2018 11:29	0	3	15.4	0.45	0	1027.66
27/09/2018 12:47	0	3.23	15.28	0.3	0	1027.18
27/09/2018 14:05	0	3.39	15.02	0.44	0	1026.22
27/09/2018 15:22	0	3.63	14.74	0.52	0	1025.74
27/09/2018 16:40	0	3.82	14.61	0.52	0	1024.78
27/09/2018 17:58	0	3.9	14.56	0.52	0	1024.78
27/09/2018 19:16	0	3.85	14.63	0.18	0	1024.78
27/09/2018 20:34	0.01	3.67	14.88	0.41	0	1024.3
27/09/2018 21:51	0.02	3.58	15	0.25	0	1023.81
27/09/2018 23:09	0	3.61	15.14	0.41	0	1024.3
28/09/2018 00:26	0	3.6	15.26	0.67	0	1024.78
28/09/2018 01:44	0	3.78	15.4	0.47	0	1024.78
28/09/2018 03:01	0	3.88	15.51	0.52	0	1024.78
28/09/2018 04:19	0	3.88	15.62	0.43	0	1024.78
28/09/2018 05:36	0.01	3.97	15.74	0.28	0	1025.74
28/09/2018 06:53	0	4.01	15.9	0.44	0	1027.18
28/09/2018 08:11	0.01	4.05	16.02	0.36	0	1028.15
28/09/2018 09:28	0	4.04	16.07	0.34	0	1029.11
28/09/2018 10:45	0.01	4.09	16.11	0.34	0	1030.07
28/09/2018 12:03	0	4.09	16.17	0.18	0	1030.55
28/09/2018 13:20	0	4.19	16.23	0.22	0	1030.07
28/09/2018 14:38	0	4.09	16.23	0.33	0	1030.07
28/09/2018 15:56	0	4	16.25	0.33	0	1030.07
28/09/2018 17:14	0	3.99	16.23	0.15	0	1030.55
28/09/2018 18:31	0	3.83	16.3	0.49	0	1031.03

ARUN DISTRICT COUNCIL LU/330/18/PL

28/09/2018 19:49	0	3.62	16.23	0.37	0	1031.51
28/09/2018 21:07	0	3.62	16.21	0.1	0	1032
28/09/2018 22:24	0.02	3.65	16.17	0.55	0	1032.48
28/09/2018 23:42	0	3.57	16.12	0.18	0	1032.48
29/09/2018 01:00	0	3.57	16.07	0.38	0	1031.51
29/09/2018 02:17	0	3.69	16.02	0.43	0	1031.51
29/09/2018 03:34	0	3.6	15.96	0.01	0	1031.03
29/09/2018 04:52	0	3.66	15.85	0.26	0	1030.55
29/09/2018 06:09	0	3.67	15.68	0.2	0	1030.55
29/09/2018 07:27	0	3.73	15.6	0.41	0.02	1030.55
29/09/2018 08:44	0	3.94	15.59	0.22	0	1030.07
29/09/2018 10:01	0.02	4.13	15.58	0.16	0	1029.59
29/09/2018 11:19	0	4.25	15.46	0.48	0	1029.59
29/09/2018 12:36	0	4.32	15.18	0.52	0	1028.63
29/09/2018 13:54	0	4.5	14.76	0.08	0	1028.15
29/09/2018 15:12	0	4.63	14.33	0.33	0	1026.7
29/09/2018 16:29	0	4.73	13.93	0.3	0	1025.74
29/09/2018 17:47	0	4.79	13.82	0.32	0	1024.78
29/09/2018 19:05	0	4.61	13.99	0.14	0	1024.78
29/09/2018 20:23	0	4.38	14.12	0.56	0	1023.81
29/09/2018 21:41	0.02	4.34	14.23	0.28	0	1023.33
29/09/2018 22:58	0	4.36	14.35	0.41	0	1023.33
30/09/2018 00:16	0	4.34	14.4	0.56	0	1022.85
30/09/2018 01:33	0	4.37	14.42	0.45	0	1022.37
30/09/2018 02:51	0	4.26	14.43	0.44	0	1021.89
30/09/2018 04:08	0	4.37	14.43	0.45	0.02	1020.93
30/09/2018 05:26	0	4.34	14.38	0.3	0.02	1020.93
30/09/2018 06:43	0	4.41	14.41	0.64	0	1020.93
30/09/2018 08:01	0	4.55	14.57	0.28	0.02	1020.45
30/09/2018 09:18	0	4.93	14.84	0.24	0	1020.93
30/09/2018 10:35	0	4.99	14.99	0.63	0	1020.45
30/09/2018 11:52	0	5.09	14.94	0.25	0	1020.45
30/09/2018 13:10	0	5.09	14.78	0.21	0	1019.96
30/09/2018 14:28	0	5	14.7	0.44	0	1019.48
30/09/2018 15:45	0	4.94	14.77	0.16	0	1019.48
30/09/2018 17:03	0.02	4.93	14.89	0.19	0	1019.48
30/09/2018 18:20	0	4.72	15.06	0.71	0	1019.48
30/09/2018 19:38	0	4.62	15.23	0.4	0	1020.45
30/09/2018 20:56	0.02	4.53	15.34	0.52	0	1020.45
30/09/2018 22:13	0.01	4.57	15.43	0.19	0	1021.89
30/09/2018 23:31	0.02	4.37	15.49	0.59	0	1021.89
01/10/2018 00:48	0.01	4.25	15.53	0.17	0	1022.37
01/10/2018 02:06	0	4.26	15.55	0.14	0	1022.85
01/10/2018 03:23	0	4.23	15.58	0.49	0	1023.33
01/10/2018 04:41	0	4.2	15.58	0.71	0	1023.81
01/10/2018 05:58	0	4.15	15.59	0.33	0	1024.78
01/10/2018 07:16	0	4.26	15.62	0.32	0	1025.74

01/10/2018 08:33	0.01	4.34	15.64	0.07	0	1026.7
01/10/2018 09:50	0.01	4.43	15.75	0.53	0	1027.66
01/10/2018 11:08	0	4.38	15.85	0.1	0	1028.15
01/10/2018 12:25	0	4.44	15.92	0.07	0	1028.15
01/10/2018 13:43	0	4.38	15.96	0.14	0	1027.66
01/10/2018 15:01	0	4.4	15.99	0.55	0	1028.15
01/10/2018 16:19	0	4.3	15.98	0.17	0	1027.66
01/10/2018 17:36	0	4.29	15.95	0.37	0	1027.18
01/10/2018 18:54	0	4.11	15.93	0.26	0	1027.18
01/10/2018 20:12	0.02	4.05	15.83	0.49	0	1026.7
01/10/2018 21:30	0	4.13	15.75	0.1	0	1026.22
01/10/2018 22:47	0.01	4.13	15.58	0.33	0	1025.74
02/10/2018 00:05	0.02	4.15	15.43	0.56	0	1025.26
02/10/2018 01:22	0.01	4.25	15.21	0.37	0	1024.3
02/10/2018 02:40	0.02	4.38	14.88	0.28	0	1022.85
02/10/2018 03:57	0	4.47	14.45	0.6	0	1021.89
02/10/2018 05:14	0.01	4.63	14.09	0.21	0	1021.41
02/10/2018 06:32	0.02	4.76	13.98	0.28	0	1020.93
02/10/2018 07:49	0.02	4.83	14.23	0.61	0	1020.93
02/10/2018 09:06	0.01	4.93	14.74	0.52	0	1021.41
02/10/2018 10:23	0.01	4.97	15.07	0.25	0	1021.41
02/10/2018 11:40	0	5.07	15.38	0.06	0	1021.89
02/10/2018 12:58	0	4.95	15.59	0.63	0	1021.41
02/10/2018 14:15	0	4.91	15.55	0.3	0	1020.93
02/10/2018 15:33	0	4.84	15.7	0.21	0	1021.89
02/10/2018 16:50	0	4.78	15.89	0.28	0	1021.89
02/10/2018 18:08	0	4.61	16.09	0.21	0	1022.37
02/10/2018 19:25	0	4.43	16.23	0.66	0	1023.33
02/10/2018 20:43	0	4.29	16.34	0.24	0	1023.81
02/10/2018 22:00	0	4.26	16.41	0.02	0	1024.3
02/10/2018 23:18	0	4.16	16.42	0.1	0	1024.3
03/10/2018 00:35	0	4.15	16.43	0.18	0	1024.3
03/10/2018 01:53	0.02	4.25	16.44	0.3	0	1024.78
03/10/2018 03:10	0.01	4.15	16.46	0.26	0	1025.74
03/10/2018 04:27	0.01	4.12	16.46	0.21	0	1026.22
03/10/2018 05:45	0.01	4.05	16.47	0.36	0	1026.22
03/10/2018 07:02	0.01	4.05	16.48	0.37	0	1027.18
03/10/2018 08:20	0.02	4.07	16.5	0.28	0	1027.66
03/10/2018 09:37	0	4.16	16.64	0.3	0	1028.63
03/10/2018 10:54	0	4.21	16.75	0.33	0	1029.11
03/10/2018 12:12	0	4.23	16.84	0.33	0	1029.11
03/10/2018 13:30	0	4.24	16.8	0.78	0	1029.11
03/10/2018 14:48	0	4.32	16.67	0.39	0	1028.63
03/10/2018 16:05	0	4.37	16.52	0.46	0	1027.66
03/10/2018 17:23	0	4.34	16.36	0.53	0	1027.66
03/10/2018 18:41	0	4.22	16.42	0.57	0	1028.15
03/10/2018 19:59	0	4.03	16.51	0.3	0	1028.15

03/10/2018 21:16	0	4.01	16.55	0.41	0	1028.15
03/10/2018 22:34	0.01	3.93	16.6	0.23	0	1027.66
03/10/2018 23:51	0.01	3.86	16.61	0.41	0	1027.66
04/10/2018 01:09	0.01	3.84	16.57	0.26	0	1027.66
04/10/2018 02:26	0	3.89	16.55	0.32	0	1027.18
04/10/2018 03:44	0	3.86	16.45	0.55	0	1026.22
04/10/2018 05:01	0	4	16.32	0.6	0	1026.22
04/10/2018 06:19	0	4.01	16.23	0.56	0	1026.7
04/10/2018 07:36	0.01	4.07	16.21	0.37	0	1026.7
04/10/2018 08:53	0.01	4.05	16.2	0.21	0	1026.7
04/10/2018 10:11	0	4.13	16.25	0.13	0	1026.7
04/10/2018 11:28	0	4.12	16.27	0.21	0	1026.22
04/10/2018 12:45	0	4.22	16.17	0.17	0	1025.74
04/10/2018 14:02	0	4.3	15.96	0.37	0	1025.74
04/10/2018 15:20	0	4.37	15.73	0.17	0	1024.3
04/10/2018 16:37	0	4.44	15.56	0.18	0	1023.81
04/10/2018 17:55	0	4.41	15.33	0.57	0	1022.85
04/10/2018 19:12	0	4.5	15.17	0.38	0	1022.37
04/10/2018 20:30	0	4.33	15.1	0.21	0	1021.89
04/10/2018 21:47	0	4.26	15.08	0.24	0	1021.89
04/10/2018 23:05	0	4.17	15.1	0.55	0	1020.93
05/10/2018 00:22	0	4.18	15.1	0.43	0	1020.45
05/10/2018 01:40	0	4.18	15.1	0.25	0	1019.96
05/10/2018 02:57	0	4.28	15.06	0.41	0	1018.52
05/10/2018 04:15	0	4.34	14.96	0.41	0	1017.56
05/10/2018 05:32	0	4.43	14.84	0.63	0	1017.08
05/10/2018 06:49	0	4.4	14.77	0.72	0.02	1016.6
05/10/2018 08:07	0	4.5	14.77	0.21	0	1016.6
05/10/2018 09:24	0.01	4.59	14.94	0.37	0	1016.6
05/10/2018 10:41	0	4.59	15.13	0.41	0	1016.11
05/10/2018 11:58	0	4.74	15.19	0.3	0	1016.11
05/10/2018 13:16	0	4.92	15.08	0.56	0	1015.63
05/10/2018 14:34	0	5.01	14.97	0.18	0	1015.15
05/10/2018 15:52	0	5.11	14.82	0.34	0	1014.19
05/10/2018 17:09	0	5.17	14.62	0.31	0	1014.19
05/10/2018 18:27	0	5.05	14.81	0.44	0	1013.71
05/10/2018 19:45	0	4.78	14.92	0.3	0	1012.75
05/10/2018 21:03	0	4.66	14.98	0.18	0	1012.26
05/10/2018 22:21	0	4.69	15.04	0.37	0	1011.78
05/10/2018 23:38	0	4.7	15.08	0.27	0	1011.78
06/10/2018 00:56	0.01	4.72	15.08	0.33	0	1011.3
06/10/2018 02:13	0	4.82	15.07	0.28	0.02	1010.34
06/10/2018 03:30	0.01	4.9	15.06	0.3	0	1009.86
06/10/2018 04:48	0	4.91	14.97	0.27	0	1008.9
06/10/2018 06:05	0.01	4.94	14.87	0.45	0	1008.42
06/10/2018 07:23	0.01	4.91	14.76	0.64	0	1008.42
06/10/2018 08:40	0.02	4.99	14.75	0.3	0	1008.42

06/10/2018 09:57	0.02	5.01	14.89	0.55	0	1008.9
06/10/2018 11:15	0.02	5.03	14.98	0.18	0	1008.42
06/10/2018 12:32	0.01	5.01	15.08	0.44	0	1008.9
06/10/2018 13:50	0.01	4.94	15.18	0.21	0	1008.42
06/10/2018 15:07	0.01	4.84	15.28	0.24	0	1009.38
06/10/2018 16:25	0	4.92	15.47	0.44	0	1009.38
06/10/2018 17:42	0	4.83	15.63	0.56	0	1009.86
06/10/2018 18:59	0	4.73	15.78	0.38	0	1010.82
06/10/2018 20:17	0	4.7	15.88	0.33	0.02	1012.75
06/10/2018 21:34	0	4.59	15.97	0.09	0	1013.71
06/10/2018 22:52	0.01	4.5	15.96	0.26	0	1014.19
07/10/2018 00:09	0	4.49	15.97	0.26	0	1014.67
07/10/2018 01:26	0.01	4.41	15.93	0.18	0	1016.6
07/10/2018 02:44	0.01	4.29	15.99	0.1	0	1018.04
07/10/2018 04:01	0	4.28	16.03	0.47	0	1019.48
07/10/2018 05:19	0	4.18	16.07	0.27	0	1020.45
07/10/2018 06:36	0	4.13	16.13	0.6	0	1020.93
07/10/2018 07:54	0	4.08	16.14	0.3	0.02	1022.37
07/10/2018 09:11	0	4.26	16.22	0.48	0	1022.37
07/10/2018 10:28	0	4.34	16.28	0.3	0	1023.33
07/10/2018 11:46	0	4.32	16.41	0.38	0	1023.33
07/10/2018 13:04	0	4.26	16.47	0.3	0	1023.33
07/10/2018 14:21	0	4.25	16.48	0.27	0	1023.33
07/10/2018 15:39	0	4.16	16.55	0.66	0	1023.33
07/10/2018 16:57	0	4.05	16.62	0.34	0	1023.33
07/10/2018 18:15	0	3.94	16.63	0.13	0	1023.33
07/10/2018 19:33	0.01	3.87	16.53	0.45	0	1023.33
07/10/2018 20:50	0.01	3.77	16.45	0.49	0	1023.81
07/10/2018 22:08	0	3.76	16.43	0.06	0	1023.81
07/10/2018 23:26	0	3.78	16.36	0.36	0	1023.81
08/10/2018 00:43	0	3.77	16.28	0.33	0	1023.33
08/10/2018 02:01	0	3.89	16.11	0.18	0	1022.85
08/10/2018 03:18	0	3.89	15.93	0.4	0	1022.37
08/10/2018 04:35	0	4	15.71	0.07	0	1021.89
08/10/2018 05:53	0	4.07	15.52	0.27	0.05	1021.89
08/10/2018 07:10	0	4.15	15.48	0.41	0.07	1021.89
08/10/2018 08:28	0	4.26	15.79	0.34	0.02	1022.37
08/10/2018 09:45	0	4.37	16.16	0.21	0	1023.33
08/10/2018 11:02	0	4.34	16.23	0.63	0	1023.33
08/10/2018 12:19	0.02	4.32	16.22	0.18	0	1023.33
08/10/2018 13:36	0	4.32	16.13	0.61	0	1022.37
08/10/2018 14:53	0.01	4.54	15.49	0.87	0	1021.89
08/10/2018 16:11	0	4.62	15.08	0.4	0	1020.93
08/10/2018 17:28	0	4.62	15.18	0.33	0	1020.93
08/10/2018 18:46	0	4.62	15.34	0.13	0	1020.93
08/10/2018 20:03	0	4.42	15.66	0.13	0	1021.89
08/10/2018 21:21	0	4.33	15.85	0.51	0	1021.41

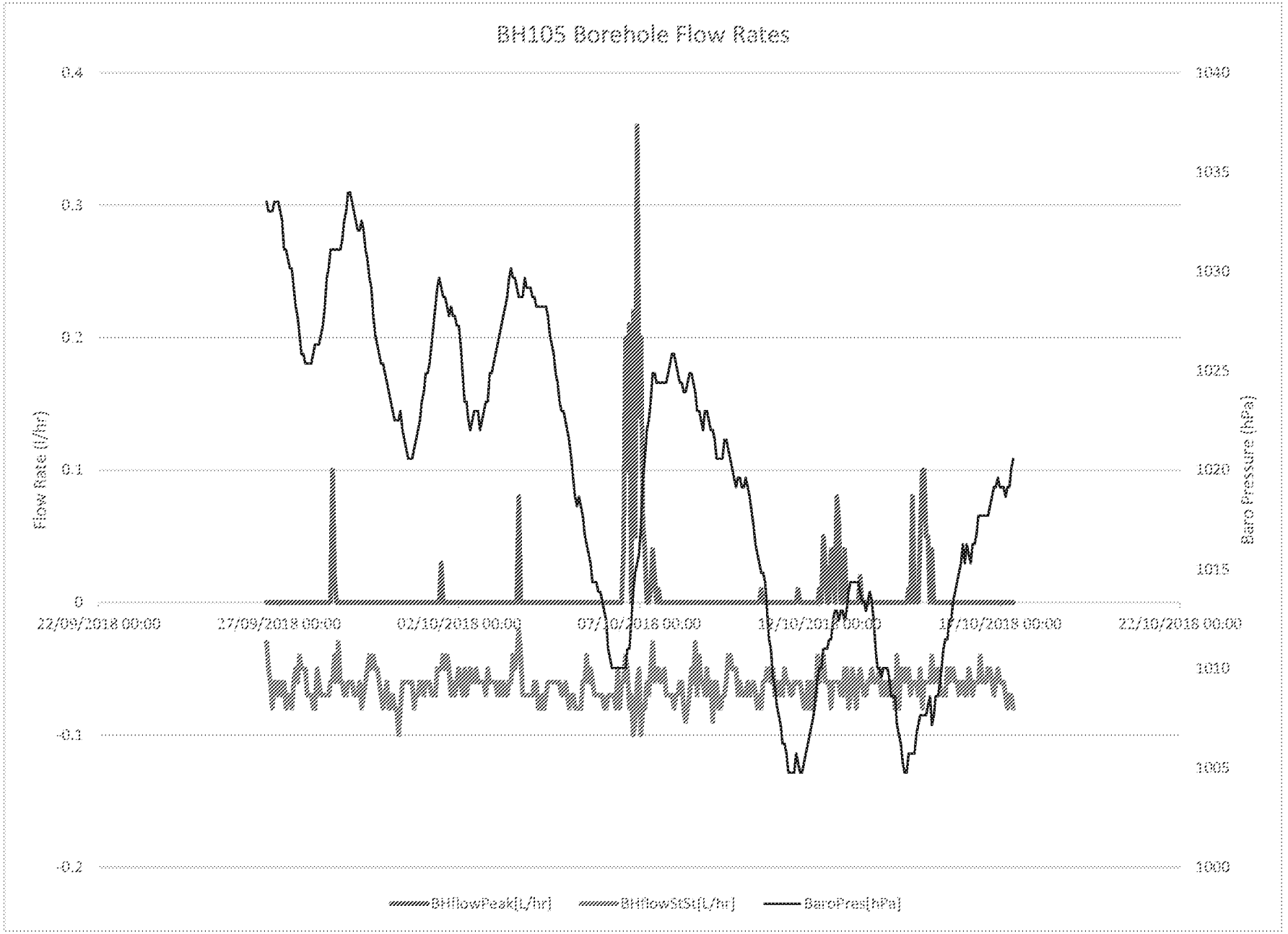
08/10/2018 22:38	0	4.24	15.91	0.41	0	1021.41
08/10/2018 23:56	0.01	4.26	15.74	0.36	0	1020.45
09/10/2018 01:13	0	4.47	15.45	0.36	0	1020.45
09/10/2018 02:31	0	4.45	15.25	0.05	0	1019.48
09/10/2018 03:48	0	4.57	14.91	0.4	0	1019
09/10/2018 05:06	0	4.59	14.84	0.28	0	1018.52
09/10/2018 06:23	0	4.57	15	0.44	0	1018.52
09/10/2018 07:40	0.01	4.61	15.27	0.13	0	1019.48
09/10/2018 08:57	0.01	4.55	15.5	0.05	0	1019.96
09/10/2018 10:15	0	4.59	15.73	0.25	0	1019.96
09/10/2018 11:32	0	4.58	15.86	0.52	0	1019.96
09/10/2018 12:50	0	4.66	15.88	0.51	0	1019.48
09/10/2018 14:07	0	4.68	15.75	0.27	0	1019.48
09/10/2018 15:25	0	4.61	15.63	0.34	0	1019
09/10/2018 16:43	0	4.68	15.46	0.1	0	1018.52
09/10/2018 18:01	0	4.59	15.58	0.28	0	1018.52
09/10/2018 19:19	0	4.45	15.69	0.36	0	1018.04
09/10/2018 20:36	0	4.36	15.66	0.44	0	1018.04
09/10/2018 21:54	0	4.3	15.64	0.28	0	1017.56
09/10/2018 23:12	0	4.29	15.65	0.48	0.02	1017.56
10/10/2018 00:29	0.02	4.36	15.63	0.14	0	1017.08
10/10/2018 01:46	0.02	4.41	15.55	0.18	0.02	1016.6
10/10/2018 03:04	0.01	4.46	15.41	0.49	0	1016.11
10/10/2018 04:21	0	4.49	15.2	0.33	0	1015.15
10/10/2018 05:38	0.01	4.61	14.96	0.4	0	1014.67
10/10/2018 06:56	0.01	4.62	14.75	0.22	0	1014.19
10/10/2018 08:13	0.02	4.78	14.57	0.23	0	1013.71
10/10/2018 09:30	0	4.87	14.58	0.4	0	1013.71
10/10/2018 10:48	0	5	14.66	0.64	0	1013.71
10/10/2018 12:06	0	5.17	14.71	0.44	0	1012.75
10/10/2018 13:23	0	5.18	14.62	0.17	0	1011.78
10/10/2018 14:41	0	5.3	14.36	0.48	0	1010.34
10/10/2018 15:59	0	5.43	14.08	0.09	0	1009.38
10/10/2018 17:17	0	5.53	13.88	0.23	0	1008.42
10/10/2018 18:35	0	5.51	13.82	0.21	0	1007.45
10/10/2018 19:52	0	5.5	13.84	0.49	0	1006.49
10/10/2018 21:10	0.01	5.59	13.75	0.24	0	1006.01
10/10/2018 22:27	0	5.7	13.78	0.21	0	1005.53
10/10/2018 23:45	0	5.57	14.1	0.52	0	1005.05
11/10/2018 01:02	0.01	5.5	14.35	0.18	0	1005.05
11/10/2018 02:20	0	5.4	14.49	0.25	0	1004.08
11/10/2018 03:37	0	5.43	14.43	0.26	0	1003.12
11/10/2018 04:55	0	5.52	14.33	0.41	0	1003.12
11/10/2018 06:12	0	5.52	14.39	0.28	0	1003.12
11/10/2018 07:29	0	5.45	14.74	0.53	0	1003.6
11/10/2018 08:46	0.01	5.32	15.13	0.25	0	1004.57
11/10/2018 10:04	0	5.22	15.39	0.36	0	1004.08

11/10/2018 11:21	0	5.25	15.55	0.15	0	1004.08
11/10/2018 12:39	0	5.12	15.69	0.34	0	1004.08
11/10/2018 13:56	0	5.05	15.83	0.41	0	1004.57
11/10/2018 15:14	0	4.84	15.96	0.35	0	1004.57
11/10/2018 16:32	0.01	4.72	16.09	0.3	0	1005.05
11/10/2018 17:49	0	4.66	16.23	0.17	0	1006.01
11/10/2018 19:06	0	4.42	16.52	0.67	0	1006.01
11/10/2018 20:24	0	4.34	16.71	0.71	0	1006.97
11/10/2018 21:41	0	4.24	16.8	0.28	0	1007.93
11/10/2018 22:59	0.01	4.12	16.93	0.33	0	1008.42
12/10/2018 00:16	0	4.03	17.1	0.55	0	1008.42
12/10/2018 01:34	0	4.08	17.05	0.52	0	1009.38
12/10/2018 02:51	0	4.12	16.94	0.21	0	1009.86
12/10/2018 04:08	0.01	4.12	16.86	0.4	0	1009.86
12/10/2018 05:26	0	4.13	16.82	0.52	0	1009.86
12/10/2018 06:43	0.01	4.13	16.87	0.15	0	1009.86
12/10/2018 08:01	0.01	4.12	16.88	0.22	0	1010.82
12/10/2018 09:18	0.01	4.13	16.87	0.67	0	1011.3
12/10/2018 10:35	0	4.13	16.89	0.49	0	1011.78
12/10/2018 11:52	0	4.2	16.98	0.13	0	1011.78
12/10/2018 13:10	0	4.22	17.01	0.25	0	1011.78
12/10/2018 14:27	0	4.18	17	0.01	0	1012.26
12/10/2018 15:45	0	4.22	17.04	0.24	0	1011.78
12/10/2018 17:03	0	4.22	17.02	0.26	0	1011.78
12/10/2018 18:20	0	4.32	16.95	0.37	0	1012.26
12/10/2018 19:38	0	4.24	17	0.44	0	1013.23
12/10/2018 20:55	0	4.19	17.05	0.46	0	1013.23
12/10/2018 22:13	0.01	4.21	17.04	0.3	0	1013.23
12/10/2018 23:30	0	4.19	17.07	0.37	0	1012.75
13/10/2018 00:47	0	4.22	17.07	0.07	0	1012.75
13/10/2018 02:05	0.01	4.19	17.05	0.21	0	1012.75
13/10/2018 03:22	0	4.2	17.05	0.05	0	1012.75
13/10/2018 04:40	0.01	4.21	16.93	0.41	0	1012.26
13/10/2018 05:57	0	4.32	16.82	0.25	0	1011.78
13/10/2018 07:14	0.01	4.28	16.69	0.31	0	1012.26
13/10/2018 08:32	0.01	4.3	16.63	0.26	0	1012.26
13/10/2018 09:49	0	4.3	16.77	0.55	0	1013.23
13/10/2018 11:06	0	4.3	16.82	0.56	0	1012.26
13/10/2018 12:24	0	4.33	16.76	0.24	0	1010.82
13/10/2018 13:41	0	4.46	16.42	0.41	0	1010.34
13/10/2018 14:59	0	4.51	15.99	0.55	0	1009.86
13/10/2018 16:17	0	4.63	15.7	0.56	0	1008.42
13/10/2018 17:34	0	4.63	15.62	0.21	0	1008.9
13/10/2018 18:52	0	4.63	15.77	0.49	0	1008.9
13/10/2018 20:10	0	4.63	15.92	0.55	0	1008.9
13/10/2018 21:27	0	4.58	16.07	0.18	0	1008.42
13/10/2018 22:45	0	4.54	16.14	0.44	0	1008.42

14/10/2018 00:02	0.01	4.58	16.18	0.41	0	1007.45
14/10/2018 01:20	0.01	4.55	16.13	0.67	0	1007.45
14/10/2018 02:37	0.01	4.51	16.12	0.53	0	1006.49
14/10/2018 03:54	0	4.45	16.09	0.27	0	1006.01
14/10/2018 05:12	0.02	4.42	15.99	0.33	0	1006.01
14/10/2018 06:29	0.01	4.44	15.81	0.33	0	1004.57
14/10/2018 07:47	0.01	4.42	15.56	0.02	0	1003.6
14/10/2018 09:04	0	4.58	15.31	0.21	0	1003.6
14/10/2018 10:21	0	4.65	15.22	0.15	0	1003.6
14/10/2018 11:39	0.02	4.63	15.31	0.32	0	1004.08
14/10/2018 12:56	0	4.68	15.46	0.21	0	1003.6
14/10/2018 14:14	0.01	4.73	15.65	0.36	0	1004.08
14/10/2018 15:31	0	4.71	15.91	0.34	0	1004.57
14/10/2018 16:48	0	4.66	16.18	0.41	0	1005.53
14/10/2018 18:06	0	4.54	16.3	0.1	0	1006.01
14/10/2018 19:23	0.01	4.45	16.43	0.22	0	1006.49
14/10/2018 20:41	0.01	4.44	16.45	0.3	0	1006.01
14/10/2018 21:58	0.01	4.34	16.42	0.45	0	1006.01
14/10/2018 23:16	0.02	4.34	16.37	0.56	0	1006.01
15/10/2018 00:33	0.02	4.28	16.3	0.2	0.02	1006.97
15/10/2018 01:50	0.01	4.36	16.26	0.21	0	1006.49
15/10/2018 03:08	0.02	4.38	16.17	0.44	0	1005.53
15/10/2018 04:25	0.01	4.51	16.03	0.13	0.02	1006.49
15/10/2018 05:43	0.02	4.43	16.02	0.15	0.02	1006.97
15/10/2018 07:00	0	4.45	16.03	0.33	0	1007.45
15/10/2018 08:17	0	4.44	16.04	0.27	0	1007.93
15/10/2018 09:34	0	4.4	16.11	0.51	0	1008.9
15/10/2018 10:52	0	4.34	16.2	0.38	0	1009.38
15/10/2018 12:09	0.01	4.34	16.25	0.26	0	1010.34
15/10/2018 13:26	0.01	4.22	16.39	0.18	0	1010.82
15/10/2018 14:44	0	4.24	16.52	0.41	0	1011.3
15/10/2018 16:01	0	4.13	16.5	0.28	0	1011.78
15/10/2018 17:19	0	4.15	16.55	0.13	0	1012.75
15/10/2018 18:37	0	4	16.53	0.51	0	1013.23
15/10/2018 19:54	0.01	3.99	16.45	0.38	0	1013.71
15/10/2018 21:12	0	3.98	16.36	0.01	0	1014.19
15/10/2018 22:29	0.01	3.99	16.35	0.26	0	1014.19
15/10/2018 23:47	0	3.98	16.34	0.23	0	1014.19
16/10/2018 01:04	0.01	3.97	16.36	0.33	0	1014.19
16/10/2018 02:22	0	3.99	16.36	0.55	0	1014.19
16/10/2018 03:39	0	3.99	16.32	0.33	0	1014.19
16/10/2018 04:56	0.01	3.93	16.29	0.62	0	1014.19
16/10/2018 06:14	0.02	3.91	16.23	0.27	0	1014.67
16/10/2018 07:31	0.01	3.91	16.19	0.05	0	1015.63
16/10/2018 08:48	0.01	3.91	16.19	0.44	0	1015.63
16/10/2018 10:06	0	3.91	16.25	0.33	0	1016.6
16/10/2018 11:23	0	3.92	16.32	0.44	0	1016.6

16/10/2018 12:41	0	4.03	16.32	0.35	0	1017.08
16/10/2018 13:59	0	3.99	16.23	0.78	0	1017.08
16/10/2018 15:16	0	3.99	16.14	0.3	0	1016.6
16/10/2018 16:34	0	4.09	16.07	0.36	0	1016.6
16/10/2018 17:51	0	4.08	16.02	0.12	0	1017.08
16/10/2018 19:09	0	4.08	15.99	0.4	0	1017.56
16/10/2018 20:27	0	4.09	15.95	0.41	0	1018.04
16/10/2018 21:44	0	4.09	15.99	0.44	0	1018.04
16/10/2018 23:01	0	4.08	15.97	0.09	0	1018.04
17/10/2018 00:19	0.02	4	15.96	0.45	0	1018.04
17/10/2018 01:36	0.01	3.96	15.92	0.14	0	1018.04
17/10/2018 02:54	0.02	4.03	15.94	0.26	0	1017.56
17/10/2018 04:11	0	3.99	15.94	0.52	0	1017.08
17/10/2018 05:29	0.02	3.9	15.9	0.28	0	1018.04
17/10/2018 06:46	0.01	3.93	15.87	0.28	0	1018.04
17/10/2018 08:04	0	3.91	15.87	0.38	0	1018.52

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Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH105

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
26/09/2018 15:49	0	-0.03	1033.5
26/09/2018 17:07	0	-0.05	1033.02
26/09/2018 18:24	0	-0.06	1033.02
26/09/2018 19:42	0	-0.08	1033.02
26/09/2018 21:00	0	-0.06	1033.5
26/09/2018 22:18	0	-0.06	1033.5
26/09/2018 23:35	0	-0.07	1033.5
27/09/2018 00:53	0	-0.06	1033.02
27/09/2018 02:11	0	-0.07	1032.54
27/09/2018 03:28	0	-0.06	1031.1
27/09/2018 04:45	0	-0.08	1031.1
27/09/2018 06:03	0	-0.07	1030.62
27/09/2018 07:20	0	-0.07	1030.15
27/09/2018 08:38	0	-0.08	1030.15
27/09/2018 09:54	0	-0.06	1029.19
27/09/2018 11:11	0	-0.05	1028.23
27/09/2018 12:28	0	-0.06	1027.75
27/09/2018 13:46	0	-0.04	1026.79
27/09/2018 15:04	0	-0.05	1025.84
27/09/2018 16:21	0	-0.05	1025.84
27/09/2018 17:39	0	-0.05	1025.36
27/09/2018 18:57	0	-0.07	1025.36
27/09/2018 20:15	0	-0.07	1025.36
27/09/2018 21:33	0	-0.07	1025.36
27/09/2018 22:50	0	-0.08	1025.84
28/09/2018 00:08	0	-0.08	1026.32
28/09/2018 01:26	0	-0.05	1026.32
28/09/2018 02:43	0	-0.06	1026.32
28/09/2018 04:00	0	-0.07	1026.79
28/09/2018 05:18	0	-0.07	1027.27
28/09/2018 06:35	0	-0.07	1028.23
28/09/2018 07:52	0	-0.07	1029.67
28/09/2018 09:10	0	-0.07	1030.15
28/09/2018 10:27	0	-0.06	1031.1
28/09/2018 11:44	0.1	-0.06	1031.1
28/09/2018 13:01	0.02	-0.04	1031.1
28/09/2018 14:19	0	-0.06	1031.1
28/09/2018 15:37	0	-0.03	1031.1
28/09/2018 16:55	0	-0.06	1031.1

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28/09/2018 18:12	0	-0.06	1031.58
28/09/2018 19:30	0	-0.07	1032.54
28/09/2018 20:48	0	-0.07	1033.02
28/09/2018 22:06	0	-0.06	1033.98
28/09/2018 23:23	0	-0.06	1033.98
29/09/2018 00:41	0	-0.06	1033.5
29/09/2018 01:58	0	-0.07	1033.02
29/09/2018 03:16	0	-0.07	1032.54
29/09/2018 04:33	0	-0.07	1032.06
29/09/2018 05:51	0	-0.06	1032.06
29/09/2018 07:08	0	-0.08	1032.54
29/09/2018 08:25	0	-0.07	1032.06
29/09/2018 09:42	0	-0.06	1031.1
29/09/2018 10:59	0	-0.05	1030.62
29/09/2018 12:17	0	-0.04	1029.67
29/09/2018 13:34	0	-0.05	1029.19
29/09/2018 14:52	0	-0.04	1027.75
29/09/2018 16:10	0	-0.05	1026.79
29/09/2018 17:28	0	-0.05	1026.32
29/09/2018 18:45	0	-0.06	1025.84
29/09/2018 20:04	0	-0.07	1025.36
29/09/2018 21:21	0	-0.08	1025.36
29/09/2018 22:39	0	-0.07	1024.88
29/09/2018 23:57	0	-0.06	1024.4
30/09/2018 01:14	0	-0.08	1023.92
30/09/2018 02:32	0	-0.08	1023.44
30/09/2018 03:49	0	-0.07	1022.97
30/09/2018 05:07	0	-0.08	1022.49
30/09/2018 06:24	0	-0.08	1022.49
30/09/2018 07:42	0	-0.1	1022.49
30/09/2018 08:59	0	-0.08	1022.97
30/09/2018 10:16	0	-0.06	1022.01
30/09/2018 11:33	0	-0.06	1021.53
30/09/2018 12:50	0	-0.06	1021.05
30/09/2018 14:08	0	-0.06	1020.57
30/09/2018 15:26	0	-0.06	1020.57
30/09/2018 16:43	0	-0.06	1020.57
30/09/2018 18:01	0	-0.08	1021.05
30/09/2018 19:19	0	-0.07	1021.53
30/09/2018 20:36	0	-0.07	1022.01
30/09/2018 21:54	0	-0.06	1022.49
30/09/2018 23:11	0	-0.06	1023.44
01/10/2018 00:29	0	-0.07	1023.92
01/10/2018 01:46	0	-0.06	1024.88
01/10/2018 03:04	0	-0.06	1024.88
01/10/2018 04:21	0	-0.06	1025.36
01/10/2018 05:39	0	-0.07	1026.32

01/10/2018 06:56	0	-0.07	1027.27
01/10/2018 08:14	0	-0.07	1028.23
01/10/2018 09:31	0	-0.05	1029.19
01/10/2018 10:47	0	-0.05	1029.67
01/10/2018 12:05	0.03	-0.05	1029.19
01/10/2018 13:23	0	-0.04	1028.71
01/10/2018 14:41	0	-0.05	1028.71
01/10/2018 15:59	0	-0.04	1028.23
01/10/2018 17:17	0	-0.05	1027.75
01/10/2018 18:35	0	-0.07	1028.23
01/10/2018 19:52	0	-0.06	1027.75
01/10/2018 21:10	0	-0.07	1027.75
01/10/2018 22:28	0	-0.06	1027.27
01/10/2018 23:45	0	-0.05	1027.27
02/10/2018 01:03	0	-0.06	1026.32
02/10/2018 02:20	0	-0.07	1024.88
02/10/2018 03:38	0	-0.05	1023.44
02/10/2018 04:55	0	-0.07	1023.44
02/10/2018 06:12	0	-0.06	1022.49
02/10/2018 07:30	0	-0.05	1022.01
02/10/2018 08:47	0	-0.06	1022.49
02/10/2018 10:04	0	-0.06	1022.97
02/10/2018 11:22	0	-0.05	1022.97
02/10/2018 12:39	0	-0.06	1022.97
02/10/2018 13:56	0	-0.06	1022.01
02/10/2018 15:14	0	-0.06	1022.49
02/10/2018 16:31	0	-0.06	1022.97
02/10/2018 17:49	0	-0.07	1023.44
02/10/2018 19:06	0	-0.05	1023.44
02/10/2018 20:24	0	-0.06	1024.88
02/10/2018 21:41	0	-0.06	1024.88
02/10/2018 22:59	0	-0.06	1025.36
03/10/2018 00:16	0	-0.06	1025.84
03/10/2018 01:34	0	-0.07	1026.32
03/10/2018 02:51	0	-0.06	1026.79
03/10/2018 04:09	0	-0.07	1027.27
03/10/2018 05:26	0	-0.06	1027.75
03/10/2018 06:44	0	-0.07	1028.23
03/10/2018 08:01	0	-0.07	1028.71
03/10/2018 09:18	0	-0.06	1029.67
03/10/2018 10:35	0	-0.06	1030.15
03/10/2018 11:52	0	-0.04	1029.67
03/10/2018 13:10	0	-0.05	1029.67
03/10/2018 14:28	0	-0.04	1029.19
03/10/2018 15:45	0.08	-0.02	1028.71
03/10/2018 17:03	0	-0.04	1028.71
03/10/2018 18:21	0	-0.07	1028.71

03/10/2018 19:39	0	-0.07	1029.67
03/10/2018 20:56	0	-0.07	1029.19
03/10/2018 22:14	0	-0.07	1029.19
03/10/2018 23:32	0	-0.07	1029.19
04/10/2018 00:49	0	-0.07	1028.71
04/10/2018 02:07	0	-0.06	1028.71
04/10/2018 03:24	0	-0.06	1028.23
04/10/2018 04:42	0	-0.08	1028.23
04/10/2018 05:59	0	-0.08	1028.23
04/10/2018 07:16	0	-0.07	1028.23
04/10/2018 08:34	0	-0.08	1028.23
04/10/2018 09:51	0	-0.07	1028.23
04/10/2018 11:08	0	-0.06	1027.75
04/10/2018 12:26	0	-0.06	1026.79
04/10/2018 13:43	0	-0.06	1026.32
04/10/2018 15:00	0	-0.06	1025.84
04/10/2018 16:17	0	-0.06	1024.88
04/10/2018 17:35	0	-0.06	1024.4
04/10/2018 18:52	0	-0.06	1023.44
04/10/2018 20:10	0	-0.07	1022.97
04/10/2018 21:28	0	-0.07	1022.97
04/10/2018 22:45	0	-0.06	1022.49
05/10/2018 00:03	0	-0.07	1022.01
05/10/2018 01:20	0	-0.08	1021.53
05/10/2018 02:38	0	-0.07	1020.57
05/10/2018 03:55	0	-0.07	1019.61
05/10/2018 05:12	0	-0.08	1018.66
05/10/2018 06:30	0	-0.08	1018.18
05/10/2018 07:47	0	-0.08	1018.66
05/10/2018 09:05	0	-0.08	1018.18
05/10/2018 10:21	0	-0.06	1017.7
05/10/2018 11:38	0	-0.06	1016.74
05/10/2018 12:55	0	-0.04	1016.26
05/10/2018 14:13	0	-0.06	1015.78
05/10/2018 15:31	0	-0.05	1015.31
05/10/2018 16:49	0	-0.06	1014.35
05/10/2018 18:07	0	-0.07	1014.35
05/10/2018 19:25	0	-0.07	1014.35
05/10/2018 20:42	0	-0.07	1013.87
05/10/2018 22:00	0	-0.07	1013.87
05/10/2018 23:18	0	-0.07	1013.39
06/10/2018 00:35	0	-0.08	1012.91
06/10/2018 01:53	0	-0.08	1012.43
06/10/2018 03:10	0	-0.07	1011
06/10/2018 04:27	0	-0.07	1010.52
06/10/2018 05:45	0	-0.07	1010.04
06/10/2018 07:02	0	-0.07	1010.04

06/10/2018 08:20	0	-0.08	1010.04
06/10/2018 09:37	0	-0.05	1010.04
06/10/2018 10:54	0	-0.08	1010.04
06/10/2018 12:12	0	-0.06	1010.04
06/10/2018 13:29	0.04	-0.06	1010.04
06/10/2018 14:47	0.2	-0.04	1010.04
06/10/2018 16:04	0.1	-0.05	1011
06/10/2018 17:22	0.21	-0.08	1011
06/10/2018 18:39	0	-0.07	1012.43
06/10/2018 19:57	0.22	-0.1	1013.87
06/10/2018 21:14	0.05	-0.09	1014.83
06/10/2018 22:32	0.36	-0.06	1015.31
06/10/2018 23:49	0.14	-0.05	1015.78
07/10/2018 01:06	0.2	-0.1	1017.22
07/10/2018 02:24	0.06	-0.08	1019.61
07/10/2018 03:41	0.04	-0.08	1020.57
07/10/2018 04:59	0	-0.06	1022.01
07/10/2018 06:16	0	-0.07	1022.49
07/10/2018 07:34	0.01	-0.05	1023.44
07/10/2018 08:51	0.04	-0.03	1024.88
07/10/2018 10:08	0.02	-0.06	1024.88
07/10/2018 11:25	0	-0.05	1024.4
07/10/2018 12:42	0.01	-0.05	1024.4
07/10/2018 14:00	0	-0.06	1024.4
07/10/2018 15:18	0	-0.06	1024.4
07/10/2018 16:35	0	-0.05	1024.4
07/10/2018 17:53	0	-0.07	1024.4
07/10/2018 19:11	0	-0.07	1024.88
07/10/2018 20:29	0	-0.07	1025.36
07/10/2018 21:47	0	-0.07	1025.84
07/10/2018 23:04	0	-0.08	1025.84
08/10/2018 00:22	0	-0.07	1025.36
08/10/2018 01:39	0	-0.07	1024.88
08/10/2018 02:57	0	-0.06	1024.4
08/10/2018 04:14	0	-0.06	1024.4
08/10/2018 05:32	0	-0.08	1023.92
08/10/2018 06:49	0	-0.09	1023.92
08/10/2018 08:07	0	-0.08	1024.4
08/10/2018 09:24	0	-0.07	1024.88
08/10/2018 10:41	0	-0.05	1024.88
08/10/2018 11:58	0	-0.06	1024.4
08/10/2018 13:15	0	-0.03	1023.92
08/10/2018 14:32	0	-0.07	1022.97
08/10/2018 15:50	0	-0.04	1022.97
08/10/2018 17:07	0	-0.06	1022.49
08/10/2018 18:25	0	-0.06	1022.01
08/10/2018 19:42	0	-0.07	1022.97

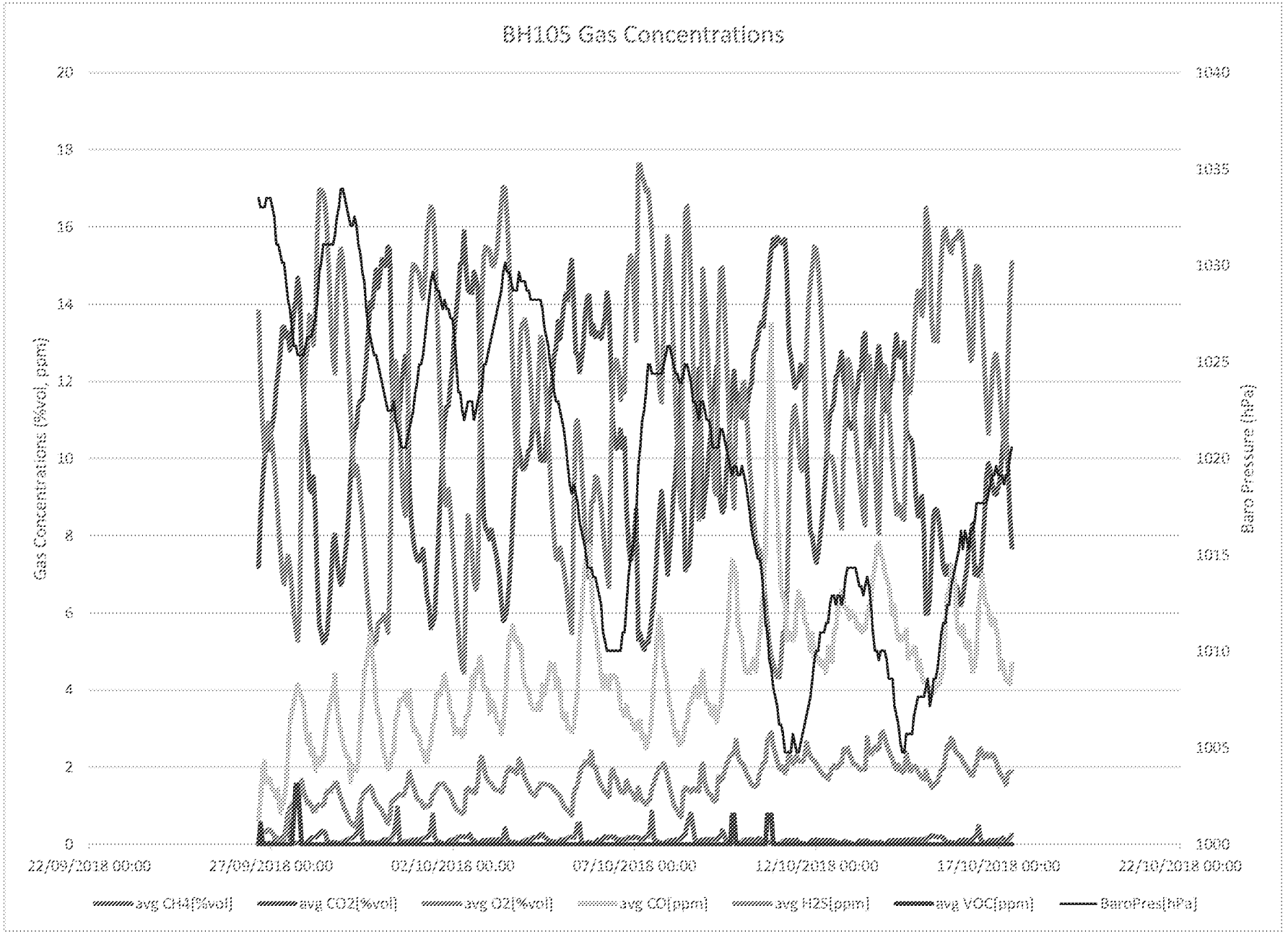
08/10/2018 21:00	0	-0.05	1022.97
08/10/2018 22:18	0	-0.07	1022.49
08/10/2018 23:35	0	-0.06	1022.01
09/10/2018 00:53	0	-0.09	1022.01
09/10/2018 02:10	0	-0.06	1021.53
09/10/2018 03:27	0	-0.06	1020.57
09/10/2018 04:45	0	-0.08	1020.57
09/10/2018 06:02	0	-0.08	1020.57
09/10/2018 07:20	0	-0.07	1020.57
09/10/2018 08:37	0	-0.07	1021.53
09/10/2018 09:54	0	-0.06	1021.53
09/10/2018 11:11	0	-0.04	1021.05
09/10/2018 12:28	0	-0.04	1020.57
09/10/2018 13:46	0	-0.05	1020.09
09/10/2018 15:04	0	-0.05	1019.61
09/10/2018 16:22	0	-0.05	1019.14
09/10/2018 17:39	0	-0.07	1019.61
09/10/2018 18:57	0	-0.06	1019.61
09/10/2018 20:15	0	-0.07	1019.14
09/10/2018 21:33	0	-0.07	1019.14
09/10/2018 22:51	0	-0.07	1019.61
10/10/2018 00:08	0	-0.06	1019.14
10/10/2018 01:26	0	-0.07	1018.66
10/10/2018 04:00	0	-0.06	1017.22
10/10/2018 05:18	0	-0.07	1016.26
10/10/2018 06:35	0	-0.08	1015.78
10/10/2018 07:53	0	-0.07	1015.31
10/10/2018 09:10	0.01	-0.08	1014.83
10/10/2018 10:27	0	-0.06	1014.83
10/10/2018 11:44	0	-0.06	1014.35
10/10/2018 13:01	0	-0.05	1012.91
10/10/2018 14:19	0	-0.05	1011.48
10/10/2018 15:37	0	-0.06	1011
10/10/2018 16:55	0	-0.05	1009.56
10/10/2018 18:13	0	-0.07	1009.08
10/10/2018 19:31	0	-0.06	1008.13
10/10/2018 20:48	0	-0.07	1007.65
10/10/2018 22:06	0	-0.06	1007.17
10/10/2018 23:23	0	-0.07	1006.21
11/10/2018 00:41	0	-0.05	1006.21
11/10/2018 01:58	0	-0.06	1005.73
11/10/2018 03:16	0	-0.06	1004.77
11/10/2018 04:33	0	-0.07	1004.77
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11/10/2018 07:08	0	-0.06	1004.77
11/10/2018 08:25	0	-0.06	1005.73
11/10/2018 09:43	0.01	-0.06	1005.25

11/10/2018 11:00	0	-0.06	1004.77
11/10/2018 12:17	0	-0.07	1004.77
11/10/2018 13:35	0	-0.08	1005.25
11/10/2018 14:52	0	-0.08	1005.73
11/10/2018 16:10	0	-0.06	1006.21
11/10/2018 17:27	0	-0.08	1006.69
11/10/2018 18:45	0	-0.06	1007.17
11/10/2018 20:02	0	-0.08	1007.65
11/10/2018 21:20	0	-0.07	1008.6
11/10/2018 22:37	0	-0.04	1009.56
11/10/2018 23:55	0.01	-0.06	1010.04
12/10/2018 01:12	0	-0.05	1010.04
12/10/2018 02:30	0.05	-0.04	1011
12/10/2018 03:47	0.03	-0.06	1011
12/10/2018 05:04	0	-0.06	1011
12/10/2018 06:22	0	-0.06	1011.48
12/10/2018 07:39	0.04	-0.08	1011.48
12/10/2018 08:57	0.04	-0.06	1012.43
12/10/2018 10:14	0	-0.06	1012.91
12/10/2018 11:31	0.08	-0.06	1012.91
12/10/2018 12:48	0.06	-0.06	1012.43
12/10/2018 14:05	0	-0.07	1012.91
12/10/2018 15:23	0	-0.07	1012.91
12/10/2018 16:40	0.04	-0.05	1012.43
12/10/2018 17:58	0	-0.05	1012.91
12/10/2018 19:15	0	-0.08	1013.87
12/10/2018 20:33	0	-0.07	1014.35
12/10/2018 21:50	0	-0.05	1014.35
12/10/2018 23:08	0	-0.06	1014.35
13/10/2018 00:25	0	-0.08	1014.35
13/10/2018 01:43	0	-0.06	1014.35
13/10/2018 03:00	0.02	-0.05	1013.87
13/10/2018 04:17	0	-0.06	1013.39
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13/10/2018 08:10	0	-0.06	1013.39
13/10/2018 09:27	0	-0.06	1013.87
13/10/2018 10:44	0	-0.05	1013.39
13/10/2018 12:01	0	-0.06	1012.43
13/10/2018 13:18	0	-0.06	1011
13/10/2018 14:36	0	-0.06	1010.04
13/10/2018 15:54	0	-0.05	1010.04
13/10/2018 17:11	0	-0.07	1009.56
13/10/2018 18:29	0	-0.06	1010.04
13/10/2018 19:47	0	-0.07	1010.04
13/10/2018 21:05	0	-0.06	1010.04
13/10/2018 22:22	0	-0.07	1009.56

13/10/2018 23:39	0	-0.06	1008.6
14/10/2018 00:57	0	-0.06	1008.6
14/10/2018 02:14	0	-0.08	1008.6
14/10/2018 03:32	0	-0.04	1007.17
14/10/2018 04:49	0	-0.08	1006.69
14/10/2018 06:07	0	-0.05	1006.21
14/10/2018 07:24	0	-0.06	1005.25
14/10/2018 08:42	0	-0.05	1004.77
14/10/2018 09:59	0	-0.06	1004.77
14/10/2018 11:17	0.01	-0.05	1005.73
14/10/2018 12:34	0	-0.07	1005.73
14/10/2018 13:51	0.08	-0.06	1005.73
14/10/2018 15:09	0	-0.06	1005.73
14/10/2018 16:26	0.01	-0.06	1006.69
14/10/2018 17:44	0	-0.07	1007.17
14/10/2018 19:01	0.05	-0.05	1007.65
14/10/2018 20:19	0.1	-0.08	1007.65
14/10/2018 21:36	0.1	-0.06	1007.65
14/10/2018 22:54	0.05	-0.06	1007.65
15/10/2018 00:11	0.05	-0.06	1008.13
15/10/2018 01:29	0	-0.06	1008.6
15/10/2018 02:46	0.04	-0.04	1007.17
15/10/2018 04:03	0	-0.06	1007.65
15/10/2018 05:21	0	-0.06	1008.6
15/10/2018 06:38	0	-0.05	1008.6
15/10/2018 07:55	0	-0.06	1009.08
15/10/2018 09:13	0	-0.07	1010.04
15/10/2018 10:30	0	-0.07	1011
15/10/2018 11:47	0	-0.07	1011.48
15/10/2018 13:04	0	-0.05	1011.48
15/10/2018 14:21	0	-0.06	1012.43
15/10/2018 15:39	0	-0.05	1012.43
15/10/2018 16:56	0	-0.05	1013.39
15/10/2018 18:14	0	-0.06	1013.87
15/10/2018 19:32	0	-0.06	1014.35
15/10/2018 20:50	0	-0.07	1014.83
15/10/2018 22:07	0	-0.06	1015.31
15/10/2018 23:25	0	-0.06	1016.26
16/10/2018 00:42	0	-0.07	1015.31
16/10/2018 02:00	0	-0.07	1016.26
16/10/2018 03:17	0	-0.05	1015.78
16/10/2018 04:34	0	-0.06	1015.31
16/10/2018 05:52	0	-0.07	1016.26
16/10/2018 07:09	0	-0.06	1016.26
16/10/2018 08:27	0	-0.06	1016.74
16/10/2018 09:44	0	-0.06	1017.7
16/10/2018 11:01	0	-0.04	1017.7

16/10/2018 12:18	0	-0.06	1017.7
16/10/2018 13:36	0	-0.06	1017.7
16/10/2018 14:54	0	-0.06	1017.7
16/10/2018 16:11	0	-0.05	1017.7
16/10/2018 17:29	0	-0.05	1018.18
16/10/2018 18:46	0	-0.06	1018.66
16/10/2018 20:04	0	-0.07	1019.14
16/10/2018 21:21	0	-0.06	1019.14
16/10/2018 22:39	0	-0.05	1019.61
16/10/2018 23:56	0	-0.06	1019.14
17/10/2018 01:14	0	-0.06	1019.14
17/10/2018 02:31	0	-0.06	1019.14
17/10/2018 03:49	0	-0.07	1018.66
17/10/2018 05:06	0	-0.08	1019.14
17/10/2018 06:24	0	-0.07	1019.14
17/10/2018 07:41	0	-0.07	1020.09
17/10/2018 08:59	0	-0.08	1020.57

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Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH105

Time	avg CH4[%	avg CO2[%	avg O2[%v	avg CO[pp	avg H2S[pp	avg VOC[p	BaroPres[hPa]
26/09/2018 15:49	0.05	7.2	13.81	0.65	0.08	0	1033.5
26/09/2018 17:07	0.05	8.52	12.11	1.18	0.21	0.55	1033.02
26/09/2018 18:24	0.04	9.38	10.94	1.96	0.37	0	1033.02
26/09/2018 19:42	0.03	9.98	10.11	2.16	0.34	0	1033.02
26/09/2018 21:00	0.02	10.34	10.6	1.6	0.32	0	1033.5
26/09/2018 22:18	0.04	10.22	10.92	1.71	0.38	0	1033.5
26/09/2018 23:35	0.03	10.58	10.78	1.66	0.37	0	1033.5
27/09/2018 00:53	0.03	10.88	10.35	1.43	0.31	0	1033.02
27/09/2018 02:11	0.11	11.18	9.82	1.37	0.21	0	1032.54
27/09/2018 03:28	0.11	11.87	9.19	1.21	0.18	0	1031.1
27/09/2018 04:45	0.12	12.22	8.36	1.43	0.15	0	1031.1
27/09/2018 06:03	0.12	12.7	7.62	0.82	0.08	0	1030.62
27/09/2018 07:20	0.18	13.36	7.05	0.98	0.06	0	1030.15
27/09/2018 08:38	0.19	13.42	6.75	1.14	0.15	0	1030.15
27/09/2018 09:54	0.44	13.15	7.17	1.52	0.39	0	1029.19
27/09/2018 11:11	0.81	13.26	7.48	2.33	0.76	0	1028.23
27/09/2018 12:28	0.14	12.8	7.19	3.19	0.95	0	1027.75
27/09/2018 13:46	0.05	13.19	6.63	3.44	1.05	0	1026.79
27/09/2018 15:04	0.04	13.79	6.01	3.67	1.08	0.77	1025.84
27/09/2018 16:21	0.04	14.09	5.57	3.95	1.12	1.55	1025.84
27/09/2018 17:39	0.04	14.68	5.29	4.13	1.22	1.55	1025.36
27/09/2018 18:57	0.05	14.31	6.14	3.98	1.25	0.77	1025.36
27/09/2018 20:15	0.03	12.42	10.38	3.78	1.67	0	1025.36
27/09/2018 21:33	0.02	11.66	11.45	3.67	1.36	0	1025.36
27/09/2018 22:50	0.04	10.53	12.57	3	1.23	0	1025.84
28/09/2018 00:08	0.03	10.19	12.86	2.64	1.06	0	1026.32
28/09/2018 01:26	0.12	9.22	13.72	2.86	1.1	0	1026.32
28/09/2018 02:43	0.18	9.14	13.52	2.29	0.98	0	1026.32
28/09/2018 04:00	0.18	9.53	12.94	2.47	0.85	0	1026.79
28/09/2018 05:18	0.2	8.56	13.73	1.91	0.88	0	1027.27
28/09/2018 06:35	0.19	6.88	15.81	2.24	0.99	0	1028.23
28/09/2018 07:52	0.27	5.69	16.96	2.1	1.03	0	1029.67
28/09/2018 09:10	0.33	5.48	16.97	2.25	1.02	0	1030.15
28/09/2018 10:27	0.35	5.22	16.89	2.19	1	0	1031.1
28/09/2018 11:44	0.31	5.3	16.57	2.77	1.19	0	1031.1
28/09/2018 13:01	0.11	5.49	15.88	3.22	1.39	0	1031.1
28/09/2018 14:19	0.04	6.12	14.74	3.5	1.39	0	1031.1
28/09/2018 15:37	0.04	6.89	13.5	3.75	1.38	0	1031.1
28/09/2018 16:55	0.05	7.81	12.55	3.98	1.51	0	1031.1
28/09/2018 18:12	0.06	8.03	12.21	4.4	1.6	0	1031.58
28/09/2018 19:30	0.03	7.42	14.39	3.58	1.59	0	1032.54

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28/09/2018 20:48	0.02	6.96	15.11	3.19	1.36	0	1033.02
28/09/2018 22:06	0.03	6.73	15.44	2.89	1.2	0	1033.98
28/09/2018 23:23	0.07	6.94	15.16	2.66	1.06	0	1033.98
29/09/2018 00:41	0.11	7.43	14.28	2.41	0.88	0	1033.5
29/09/2018 01:58	0.11	7.88	13.37	2.29	0.82	0	1033.02
29/09/2018 03:16	0.13	8.57	12.29	2.29	0.65	0	1032.54
29/09/2018 04:33	0.17	9.6	11.16	1.6	0.57	0	1032.06
29/09/2018 05:51	0.18	10.27	10.17	2.08	0.51	0	1032.06
29/09/2018 07:08	0.19	10.74	9.56	1.94	0.48	0	1032.54
29/09/2018 08:25	0.27	10.87	9.81	1.91	0.57	0	1032.06
29/09/2018 09:42	0.44	11.38	9.52	2.22	0.74	0	1031.1
29/09/2018 10:59	0.93	11.48	9.07	3.11	1.06	0	1030.62
29/09/2018 12:17	0.12	11.52	8.48	3.7	1.23	0	1029.67
29/09/2018 13:34	0.07	12.02	7.69	4.48	1.35	0	1029.19
29/09/2018 14:52	0.05	12.54	6.89	4.65	1.42	0	1027.75
29/09/2018 16:10	0.05	13.28	6.18	5.04	1.47	0	1026.79
29/09/2018 17:28	0.05	14.04	5.63	5.46	1.51	0	1026.32
29/09/2018 18:45	0.06	13.93	5.32	4.93	1.41	0	1025.84
29/09/2018 20:04	0.02	14.4	5.18	4.48	1.19	0	1025.36
29/09/2018 21:21	0.03	14.9	5.29	3.67	1.08	0	1025.36
29/09/2018 22:39	0.04	14.42	5.71	3.39	1.02	0	1024.88
29/09/2018 23:57	0.07	14.78	5.75	3.25	0.96	0	1024.4
30/09/2018 01:14	0.1	15.17	5.82	2.69	0.86	0	1023.92
30/09/2018 02:32	0.12	15.02	5.96	2.35	0.76	0	1023.44
30/09/2018 03:49	0.13	14.99	5.82	2.19	0.65	0	1022.97
30/09/2018 05:07	0.11	15.49	5.49	1.94	0.54	0	1022.49
30/09/2018 06:24	0.13	15.41	6.56	1.96	0.71	0	1022.49
30/09/2018 07:42	0.19	12.12	10.96	2.35	1.14	0	1022.49
30/09/2018 08:59	0.25	11.37	12.37	2.41	1.12	0	1022.97
30/09/2018 10:16	0.52	11	12.52	3.25	1.22	0	1022.01
30/09/2018 11:33	0.95	11.12	11.88	3.33	1.28	0	1021.53
30/09/2018 12:50	0.11	11.23	10.78	3.75	1.3	0	1021.05
30/09/2018 14:08	0.03	11.94	9.68	3.78	1.29	0	1020.57
30/09/2018 15:26	0.03	12.37	8.81	3.78	1.26	0	1020.57
30/09/2018 16:43	0.08	12.65	8.52	3.97	1.41	0	1020.57
30/09/2018 18:01	0.07	12.38	9.94	3.61	1.56	0	1021.05
30/09/2018 19:19	0.07	9.25	13.67	4	1.89	0	1021.53
30/09/2018 20:36	0.12	8.38	14.7	3.39	1.69	0	1022.01
30/09/2018 21:54	0.11	7.89	15.04	2.97	1.54	0	1022.49
30/09/2018 23:11	0.12	7.57	14.99	3	1.35	0	1023.44
01/10/2018 00:29	0.13	7.37	14.88	2.86	1.18	0	1023.92
01/10/2018 01:46	0.11	7.34	14.83	2.83	1.14	0	1024.88
01/10/2018 03:04	0.12	7.49	14.43	2.49	1.12	0	1024.88
01/10/2018 04:21	0.15	7.65	14.15	2.44	0.99	0	1025.36
01/10/2018 05:39	0.18	7.09	14.68	2.16	0.95	0	1026.32
01/10/2018 06:56	0.18	6.42	15.83	2.13	1.02	0	1027.27
01/10/2018 08:14	0.25	6.17	16.23	2.47	1	0	1028.23

01/10/2018 09:31	0.4	5.6	16.54	2.63	1.12	0	1029.19
01/10/2018 10:47	0.78	5.74	16.44	3.11	1.29	0	1029.67
01/10/2018 12:05	0.17	5.9	15.71	3.25	1.39	0	1029.19
01/10/2018 13:23	0.09	7.04	14.17	3.89	1.44	0	1028.71
01/10/2018 14:41	0.07	8.1	12.56	3.95	1.56	0	1028.71
01/10/2018 15:59	0.05	9.22	11.19	3.89	1.56	0	1028.23
01/10/2018 17:17	0.03	10.23	9.9	4.2	1.59	0	1027.75
01/10/2018 18:35	0.02	10.99	8.93	4.42	1.54	0	1028.23
01/10/2018 19:52	0.03	11.34	8.78	4.09	1.44	0	1027.75
01/10/2018 21:10	0.09	11.39	9.21	3.92	1.39	0	1027.75
01/10/2018 22:28	0.11	11.95	8.63	3.39	1.29	0	1027.27
01/10/2018 23:45	0.13	12.41	7.89	3.39	1.15	0	1027.27
02/10/2018 01:03	0.13	13.28	7.14	2.86	1.02	0	1026.32
02/10/2018 02:20	0.12	13.86	6.3	3.03	0.92	0	1024.88
02/10/2018 03:38	0.2	14.33	5.5	2.89	0.89	0	1023.44
02/10/2018 04:55	0.2	15.02	4.91	2.97	0.83	0	1023.44
02/10/2018 06:12	0.21	15.13	4.57	2.78	0.79	0	1022.49
02/10/2018 07:30	0.2	15.89	4.45	2.89	0.82	0	1022.01
02/10/2018 08:47	0.19	14.85	7.22	3.31	1.41	0	1022.49
02/10/2018 10:04	0.21	14.36	8.52	3.36	1.47	0	1022.97
02/10/2018 11:22	0.26	14.31	8.14	3.64	1.39	0	1022.97
02/10/2018 12:39	0.1	14.3	7.57	4.37	1.42	0	1022.97
02/10/2018 13:56	0.11	14.84	6.85	4.09	1.33	0	1022.01
02/10/2018 15:14	0.05	14.66	6.61	4.55	1.39	0	1022.49
02/10/2018 16:31	0.03	14.44	6.88	4.45	1.59	0	1022.97
02/10/2018 17:49	0.03	12.74	10.28	4.87	2.16	0	1023.44
02/10/2018 19:06	0.06	10.05	14.1	4.65	2.27	0	1023.44
02/10/2018 20:24	0.11	8.47	15.24	4.01	2.02	0	1024.88
02/10/2018 21:41	0.1	8.19	15.49	4	1.79	0	1024.88
02/10/2018 22:59	0.11	8.1	15.45	4.03	1.66	0	1025.36
03/10/2018 00:16	0.12	7.91	15.41	3.39	1.61	0	1025.84
03/10/2018 01:34	0.12	8.16	15.03	3.75	1.57	0	1026.32
03/10/2018 02:51	0.13	7.88	14.98	3.61	1.48	0	1026.79
03/10/2018 04:09	0.12	7.6	15.16	3.42	1.42	0	1027.27
03/10/2018 05:26	0.12	7.34	15.52	3.14	1.41	0	1027.75
03/10/2018 06:44	0.13	6.91	16.1	3.17	1.41	0	1028.23
03/10/2018 08:01	0.11	6.28	16.64	2.86	1.35	0	1028.71
03/10/2018 09:18	0.19	5.8	17.04	3.11	1.47	0	1029.67
03/10/2018 10:35	0.42	5.9	17	3.75	1.74	0	1030.15
03/10/2018 11:52	0.13	6.16	16.23	4.59	1.89	0	1029.67
03/10/2018 13:10	0.07	6.74	15.17	5.32	2	0	1029.67
03/10/2018 14:28	0.06	7.54	13.67	5.46	1.91	0	1029.19
03/10/2018 15:45	0.06	8.5	12.11	5.68	1.94	0	1028.71
03/10/2018 17:03	0.06	9.71	10.71	5.26	1.89	0	1028.71
03/10/2018 18:21	0.04	10.52	9.76	5.34	1.83	0	1028.71
03/10/2018 19:39	0.02	10.23	12.14	5.09	2.22	0	1029.67
03/10/2018 20:56	0.07	9.93	13.36	5.18	2.12	0	1029.19

03/10/2018 22:14	0.06	9.72	13.53	4.45	1.89	0	1029.19
03/10/2018 23:32	0.1	9.76	13.61	4.13	1.71	0	1029.19
04/10/2018 00:49	0.13	9.96	13.34	4.09	1.6	0	1028.71
04/10/2018 02:07	0.12	10.23	12.74	3.95	1.51	0	1028.71
04/10/2018 03:24	0.12	10.28	12.03	3.64	1.35	0	1028.23
04/10/2018 04:42	0.19	10.8	11.17	3.53	1.33	0	1028.23
04/10/2018 05:59	0.17	11.12	10.73	3.5	1.26	0	1028.23
04/10/2018 07:16	0.19	11.08	10.82	3.5	1.35	0	1028.23
04/10/2018 08:34	0.2	10.53	12.13	3.67	1.44	0	1028.23
04/10/2018 09:51	0.25	9.96	13.16	3.5	1.57	0	1028.23
04/10/2018 11:08	0.27	9.94	13.02	4.13	1.57	0	1027.75
04/10/2018 12:26	0.18	9.96	12.51	3.86	1.57	0	1026.79
04/10/2018 13:43	0.16	10.57	11.62	4.12	1.56	0	1026.32
04/10/2018 15:00	0.1	11.02	10.58	4.37	1.54	0	1025.84
04/10/2018 16:17	0.1	11.69	9.55	4.7	1.53	0	1024.88
04/10/2018 17:35	0.08	12	8.66	4.65	1.5	0	1024.4
04/10/2018 18:52	0.07	12.68	7.92	4.67	1.39	0	1023.44
04/10/2018 20:10	0.06	12.87	7.42	4.05	1.36	0	1022.97
04/10/2018 21:28	0.08	13.56	7.38	4.28	1.29	0	1022.97
04/10/2018 22:45	0.13	13.09	7.69	4.03	1.25	0	1022.49
05/10/2018 00:03	0.12	13.55	7.4	3.36	1.1	0	1022.01
05/10/2018 01:20	0.13	13.99	7.11	3.25	1	0	1021.53
05/10/2018 02:38	0.12	14.28	6.77	3.39	0.93	0	1020.57
05/10/2018 03:55	0.16	14.11	6.3	3	0.89	0	1019.61
05/10/2018 05:12	0.2	14.84	5.84	3	0.82	0	1018.66
05/10/2018 06:30	0.19	15.14	5.49	2.91	0.74	0	1018.18
05/10/2018 07:47	0.18	14.06	8.66	3.03	1.32	0	1018.66
05/10/2018 09:05	0.28	12.74	10.88	3.56	1.47	0	1018.18
05/10/2018 10:21	0.52	12.72	10.99	4.01	1.56	0	1017.7
05/10/2018 11:38	0.55	12.24	10.59	5.37	1.8	0	1016.74
05/10/2018 12:55	0.05	12.56	9.84	5.91	1.96	0	1016.26
05/10/2018 14:13	0.04	13.02	8.91	6.74	2.04	0	1015.78
05/10/2018 15:31	0.04	13.81	7.99	7.33	2.15	0	1015.31
05/10/2018 16:49	0.04	14.18	7.23	7.52	2.16	0	1014.35
05/10/2018 18:07	0.06	14.23	6.91	7.75	2.09	0	1014.35
05/10/2018 19:25	0.04	13.23	8.9	6.83	2.41	0	1014.35
05/10/2018 20:42	0.02	13.46	8.9	5.82	2.02	0	1013.87
05/10/2018 22:00	0.03	13.15	9.53	5.65	2.02	0	1013.87
05/10/2018 23:18	0.13	13.17	9.48	5.23	1.83	0	1013.39
06/10/2018 00:35	0.09	13.26	9.14	4.87	1.64	0	1012.91
06/10/2018 01:53	0.12	13.11	8.77	4.37	1.54	0	1012.43
06/10/2018 03:10	0.12	13.38	8.21	4.09	1.44	0	1011
06/10/2018 04:27	0.21	13.66	7.56	4.37	1.36	0	1010.52
06/10/2018 05:45	0.17	14.31	7.01	4.28	1.32	0	1010.04
06/10/2018 07:02	0.19	13.95	6.67	4.03	1.23	0	1010.04
06/10/2018 08:20	0.21	12.48	9.92	4.37	1.84	0	1010.04
06/10/2018 09:37	0.19	10.96	12.08	4.37	1.94	0	1010.04

06/10/2018 10:54	0.2	10.37	12.47	4.37	1.74	0	1010.04
06/10/2018 12:12	0.11	10.26	12.56	4.26	1.69	0	1010.04
06/10/2018 13:29	0.13	10.43	12.28	4.05	1.5	0	1010.04
06/10/2018 14:47	0.12	10.75	11.52	3.56	1.36	0	1010.04
06/10/2018 16:04	0.13	10.27	12.1	3.44	1.39	0	1011
06/10/2018 17:22	0.13	10.53	11.71	3.33	1.33	0	1011
06/10/2018 18:39	0.13	8.69	14.3	3.61	1.66	0	1012.43
06/10/2018 19:57	0.19	7.81	14.93	3.36	1.51	0	1013.87
06/10/2018 21:14	0.16	7.34	15.27	3.28	1.39	0	1014.83
06/10/2018 22:32	0.17	7.56	15.07	3.14	1.35	0	1015.31
06/10/2018 23:49	0.19	8.07	14.15	3	1.2	0	1015.78
07/10/2018 01:06	0.18	8.69	13.05	2.97	1.15	0	1017.22
07/10/2018 02:24	0.18	5.31	17.61	3.19	1.48	0	1019.61
07/10/2018 03:41	0.12	5.47	17.63	3.2	1.26	0	1020.57
07/10/2018 04:59	0.14	5.17	17.29	2.72	1.14	0	1022.01
07/10/2018 06:16	0.15	5.05	17.17	2.83	1.09	0	1022.49
07/10/2018 07:34	0.19	5.25	16.92	2.5	1.03	0	1023.44
07/10/2018 08:51	0.21	5.23	16.97	2.72	1.09	0	1024.88
07/10/2018 10:08	0.37	5.52	16.48	2.86	1.19	0	1024.88
07/10/2018 11:25	0.84	5.88	15.8	3.39	1.45	0	1024.4
07/10/2018 12:42	0.13	6.3	14.8	4.3	1.61	0	1024.4
07/10/2018 14:00	0.1	7.12	13.44	4.84	1.76	0	1024.4
07/10/2018 15:18	0.04	7.96	12.37	5.68	1.9	0	1024.4
07/10/2018 16:35	0.06	8.68	11.71	5.9	1.99	0	1024.4
07/10/2018 17:53	0.03	9.15	11.46	5.51	1.99	0	1024.4
07/10/2018 19:11	0.02	8.48	13.51	4.65	2.1	0	1024.88
07/10/2018 20:29	0.06	7.75	14.82	4.45	1.96	0	1025.36
07/10/2018 21:47	0.05	7	15.77	4.05	1.74	0	1025.84
07/10/2018 23:04	0.11	7.57	15.13	3.61	1.48	0	1025.84
08/10/2018 00:22	0.11	8.17	14.15	3.45	1.3	0	1025.36
08/10/2018 01:39	0.11	9.11	12.78	3.11	1.06	0	1024.88
08/10/2018 02:57	0.13	9.53	11.46	2.8	0.93	0	1024.4
08/10/2018 04:14	0.12	10.49	10.32	2.91	0.87	0	1024.4
08/10/2018 05:32	0.14	11.25	9.24	2.58	0.76	0	1023.92
08/10/2018 06:49	0.19	12.03	8.68	2.61	0.71	0	1023.92
08/10/2018 08:07	0.2	9.4	13.86	2.75	1.34	0	1024.4
08/10/2018 09:24	0.27	7.11	16.35	3.11	1.48	0	1024.88
08/10/2018 10:41	0.52	7.21	16.55	3.2	1.45	0	1024.88
08/10/2018 11:58	0.69	7.31	15.84	3.67	1.42	0	1024.4
08/10/2018 13:15	0.79	8.09	14.41	3.69	1.35	0	1023.92
08/10/2018 14:32	0.48	9.09	12.62	3.86	1.44	0	1022.97
08/10/2018 15:50	0.1	10.27	10.88	4.09	1.45	0	1022.97
08/10/2018 17:07	0.1	11.17	9.49	3.92	1.38	0	1022.49
08/10/2018 18:25	0.1	12.33	8.42	3.81	1.39	0	1022.01
08/10/2018 19:42	0.11	10.82	11.44	4.29	1.91	0	1022.97
08/10/2018 21:00	0.12	8.49	14.92	4.51	2.1	0	1022.97
08/10/2018 22:18	0.13	9.06	14.16	3.97	1.61	0	1022.49

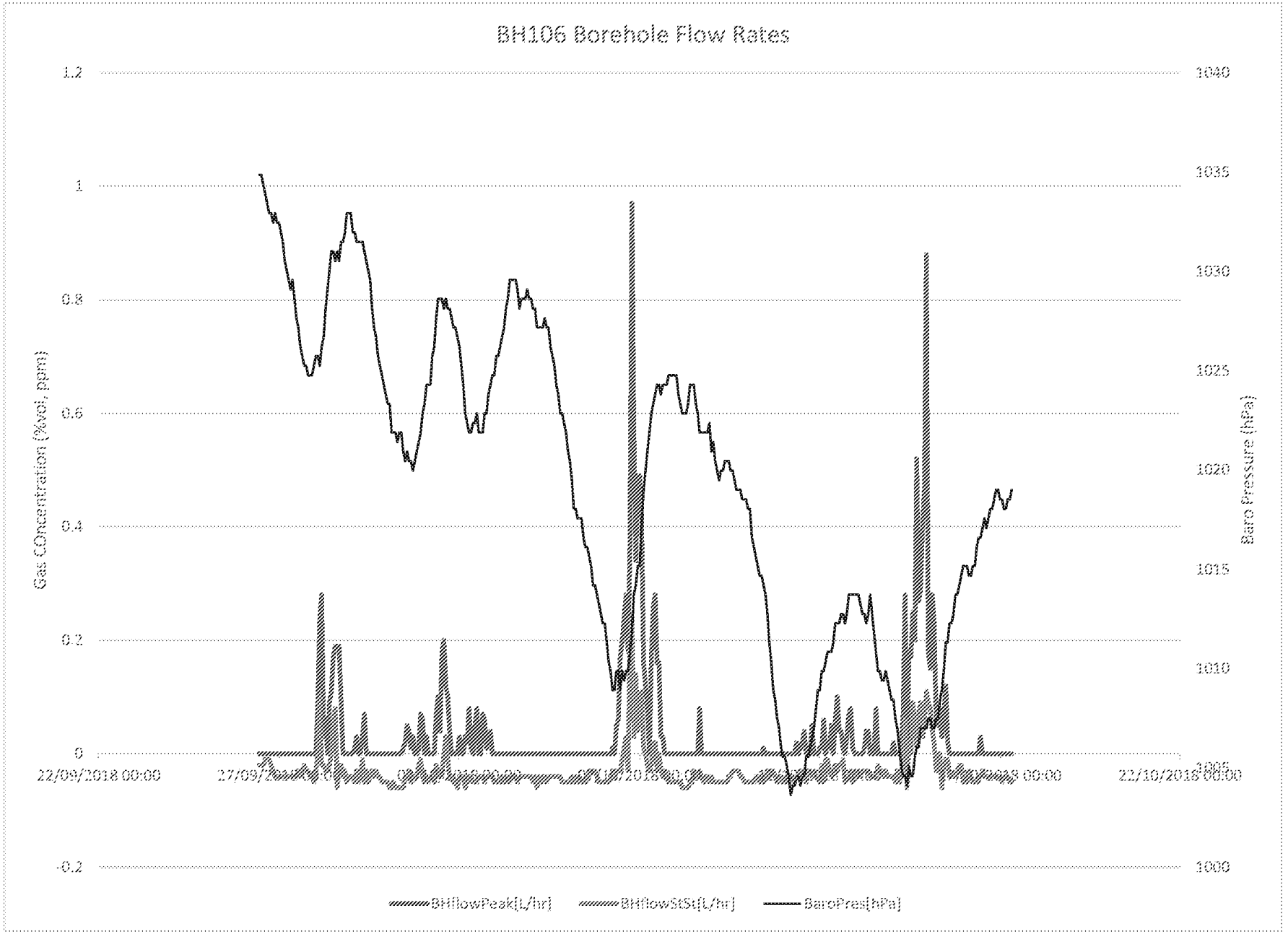
08/10/2018 23:35	0.13	9.41	13.42	3.64	1.44	0	1022.01
09/10/2018 00:53	0.11	10.13	12.1	3.67	1.3	0	1022.01
09/10/2018 02:10	0.13	10.6	11.42	3.39	1.3	0	1021.53
09/10/2018 03:27	0.13	11.63	10.19	3.36	1.18	0	1020.57
09/10/2018 04:45	0.13	11.83	9.17	3.59	1.12	0	1020.57
09/10/2018 06:02	0.13	12.37	9.06	3.17	1.14	0	1020.57
09/10/2018 07:20	0.2	9.92	13.44	3.45	1.76	0	1020.57
09/10/2018 08:37	0.19	8.89	14.92	3.56	1.67	0	1021.53
09/10/2018 09:54	0.36	8.61	14.95	3.98	1.69	0	1021.53
09/10/2018 11:11	0.25	8.75	14.11	4.73	1.87	0	1021.05
09/10/2018 12:28	0.07	9.61	12.78	5.37	2.06	0	1020.57
09/10/2018 13:46	0.05	10.19	11.55	5.79	2.18	0	1020.09
09/10/2018 15:04	0.04	11.04	10.39	6.77	2.27	0	1019.61
09/10/2018 16:22	0.05	11.81	9.39	7.38	2.31	0.77	1019.14
09/10/2018 17:39	0.04	12.27	8.72	7.22	2.38	0.77	1019.61
09/10/2018 18:57	0.05	11.54	11.35	7.05	2.71	0	1019.61
09/10/2018 20:15	0.02	11.35	11.36	5.68	2.31	0	1019.14
09/10/2018 21:33	0.04	11.7	11.12	5.49	2.13	0	1019.14
09/10/2018 22:51	0.06	11.06	11.8	5.32	2.13	0	1019.61
10/10/2018 00:08	0.12	11.2	11.99	4.7	2.02	0	1019.14
10/10/2018 01:26	0.12	11.2	11.45	4.45	1.87	0	1018.66
10/10/2018 04:00	0.13	11.8	9.78	4.45	1.66	0	1017.22
10/10/2018 05:18	0.13	11.99	9.16	4.67	1.54	0	1016.26
10/10/2018 06:35	0.11	12.74	8.4	4.8	1.5	0	1015.78
10/10/2018 07:53	0.12	12.8	7.86	4.48	1.5	0	1015.31
10/10/2018 09:10	0.14	13.08	7.68	4.95	1.59	0	1014.83
10/10/2018 10:27	0.16	13.38	7.64	5.37	1.84	0	1014.83
10/10/2018 11:44	0.13	13.53	7.26	5.99	1.94	0	1014.35
10/10/2018 13:01	0.06	13.43	6.92	6.66	2.13	0	1012.91
10/10/2018 14:19	0.05	14.03	6.31	7.47	2.12	0	1011.48
10/10/2018 15:37	0.05	14.27	5.73	10.24	2.73	0.77	1011
10/10/2018 16:55	0.05	14.99	5.2	12.11	2.78	0.77	1009.56
10/10/2018 18:13	0.06	15.4	4.88	13.48	2.9	0.77	1009.08
10/10/2018 19:31	0.05	15.68	4.68	11.24	2.54	0	1008.13
10/10/2018 20:48	0.02	15.51	4.48	9.93	2.35	0	1007.65
10/10/2018 22:06	0.02	15.74	4.33	8.81	2.16	0	1007.17
10/10/2018 23:23	0.02	15.66	4.34	7.53	1.97	0	1006.21
11/10/2018 00:41	0.02	15.62	4.8	6.66	1.93	0	1006.21
11/10/2018 01:58	0.08	15.57	5.48	6.41	2.02	0	1005.73
11/10/2018 03:16	0.11	15.68	5.43	6.27	1.84	0	1004.77
11/10/2018 04:33	0.1	14.72	6.4	5.29	1.97	0	1004.77
11/10/2018 05:51	0.11	12.95	8.96	5.51	2.38	0	1004.77
11/10/2018 07:08	0.11	12.66	10.48	5.43	2.21	0	1004.77
11/10/2018 08:25	0.1	12.25	11.12	5.29	2.1	0	1005.73
11/10/2018 09:43	0.11	11.84	11.37	5.4	2.18	0	1005.25
11/10/2018 11:00	0.12	11.95	11.01	6.16	2.29	0	1004.77
11/10/2018 12:17	0.04	12.04	10.37	6.55	2.18	0	1004.77

11/10/2018 13:35	0.04	12.43	9.77	6.16	2.15	0	1005.25
11/10/2018 14:52	0.03	12.35	9.68	6.35	2.16	0	1005.73
11/10/2018 16:10	0.02	12.02	10.31	5.79	2.29	0	1006.21
11/10/2018 17:27	0.02	10.02	12.9	5.71	2.64	0	1006.69
11/10/2018 18:45	0.02	8.88	14.02	5.43	2.42	0	1007.17
11/10/2018 20:02	0.09	8.1	14.59	5.01	2.29	0	1007.65
11/10/2018 21:20	0.11	7.97	14.99	5.46	2.21	0	1008.6
11/10/2018 22:37	0.1	7.55	15.49	4.82	2.18	0	1009.56
11/10/2018 23:55	0.12	7.31	15.42	4.79	2.09	0	1010.04
12/10/2018 01:12	0.11	7.57	14.96	4.87	1.99	0	1010.04
12/10/2018 02:30	0.11	7.97	14.28	4.65	1.91	0	1011
12/10/2018 03:47	0.11	8.44	13.25	4.73	1.83	0	1011
12/10/2018 05:04	0.11	9.17	12.04	4.67	1.77	0	1011
12/10/2018 06:22	0.1	9.77	10.88	4.45	1.77	0	1011.48
12/10/2018 07:39	0.11	10.71	10.02	5.12	1.69	0	1011.48
12/10/2018 08:57	0.11	11.14	10.05	5.07	1.8	0	1012.43
12/10/2018 10:14	0.1	11.27	10.05	4.73	1.96	0	1012.91
12/10/2018 11:31	0.1	11.48	9.76	5.51	2.06	0	1012.91
12/10/2018 12:48	0.06	12.09	9.19	5.6	1.99	0	1012.43
12/10/2018 14:05	0.06	12.22	8.69	6.07	2	0	1012.91
12/10/2018 15:23	0.03	12.48	8.5	6.35	2.12	0	1012.91
12/10/2018 16:40	0.04	12.76	8.19	6.58	2.13	0	1012.43
12/10/2018 17:58	0.05	12.04	10.19	6.27	2.47	0	1012.91
12/10/2018 19:15	0.09	11.77	10.98	6.1	2.41	0	1013.87
12/10/2018 20:33	0.02	10.87	12.58	6.13	2.52	0	1014.35
12/10/2018 21:50	0.05	10.94	12.47	5.85	2.34	0	1014.35
12/10/2018 23:08	0.02	10.78	12.1	6.04	2.22	0	1014.35
13/10/2018 00:25	0.02	10.91	11.37	5.96	2.09	0	1014.35
13/10/2018 01:43	0.02	11.6	10.81	5.85	2.09	0	1014.35
13/10/2018 03:00	0.05	11.82	10.16	5.62	2.04	0	1013.87
13/10/2018 04:17	0.1	12.24	9.52	5.68	1.96	0	1013.39
13/10/2018 05:35	0.05	12.33	9	5.51	1.93	0	1013.39
13/10/2018 06:52	0.07	13.12	8.53	5.63	1.96	0	1012.91
13/10/2018 08:10	0.1	13.25	8.27	5.57	1.94	0	1013.39
13/10/2018 09:27	0.1	10.62	12.32	5.96	2.77	0	1013.87
13/10/2018 10:44	0.04	10.32	12.67	6.16	2.4	0	1013.39
13/10/2018 12:01	0.03	10.59	12.15	6.35	2.34	0	1012.43
13/10/2018 13:18	0.04	11.36	11.05	6.88	2.4	0	1011
13/10/2018 14:36	0.06	11.9	9.8	7.25	2.54	0	1010.04
13/10/2018 15:54	0.04	12.5	8.75	7.75	2.45	0	1010.04
13/10/2018 17:11	0.05	12.91	8.06	7.83	2.47	0	1009.56
13/10/2018 18:29	0.06	12.51	9.77	7.5	2.84	0	1010.04
13/10/2018 19:47	0.03	11.67	11.67	7.39	2.93	0	1010.04
13/10/2018 21:05	0.02	11.22	12.41	7.05	2.78	0	1010.04
13/10/2018 22:22	0.02	11.33	12.14	6.88	2.58	0	1009.56
13/10/2018 23:39	0.09	11.4	11.44	6.72	2.44	0	1008.6
14/10/2018 00:57	0.1	11.95	10.59	6.35	2.31	0	1008.6

14/10/2018 02:14	0.11	12.06	9.88	5.96	2.19	0	1008.6
14/10/2018 03:32	0.1	12.76	9.19	6.18	2.04	0	1007.17
14/10/2018 04:49	0.09	13.22	8.56	5.57	1.94	0	1006.69
14/10/2018 06:07	0.11	12.67	8.82	5.32	2.06	0	1006.21
14/10/2018 07:24	0.11	12.63	8.69	5.29	1.94	0	1005.25
14/10/2018 08:42	0.11	12.7	8.44	5.4	1.87	0	1004.77
14/10/2018 09:59	0.11	13.01	8.42	5.35	1.9	0	1004.77
14/10/2018 11:17	0.12	10.76	11.63	5.57	2.37	0	1005.73
14/10/2018 12:34	0.12	10.57	12.09	4.82	2.13	0	1005.73
14/10/2018 13:51	0.12	10.54	11.7	4.96	1.9	0	1005.73
14/10/2018 15:09	0.11	10.42	12.18	4.93	1.97	0	1005.73
14/10/2018 16:26	0.13	9.83	13.13	5.12	2.04	0	1006.69
14/10/2018 17:44	0.12	8.97	13.94	5.04	2	0	1007.17
14/10/2018 19:01	0.12	8.51	14.34	4.54	1.9	0	1007.65
14/10/2018 20:19	0.13	8.72	14.35	4.76	1.81	0	1007.65
14/10/2018 21:36	0.13	9.03	13.7	4.34	1.71	0	1007.65
14/10/2018 22:54	0.13	8.11	14.09	4.2	1.69	0	1007.65
15/10/2018 00:11	0.12	5.98	16.5	4.26	1.91	0	1008.13
15/10/2018 01:29	0.18	6	16.14	4.15	1.71	0	1008.6
15/10/2018 02:46	0.2	6.37	15.44	3.98	1.63	0	1007.17
15/10/2018 04:03	0.23	7.56	13.61	3.92	1.47	0	1007.65
15/10/2018 05:21	0.22	8.56	13.05	3.95	1.5	0	1008.6
15/10/2018 06:38	0.2	8.69	13.1	4.2	1.59	0	1008.6
15/10/2018 07:55	0.19	8.65	13.04	4.09	1.64	0	1009.08
15/10/2018 09:13	0.2	8.27	14.32	4.15	1.79	0	1010.04
15/10/2018 10:30	0.2	7.76	15.24	4.4	1.94	0	1011
15/10/2018 11:47	0.17	7.16	15.82	4.55	1.97	0	1011.48
15/10/2018 13:04	0.09	7	15.97	5.76	2.27	0	1011.48
15/10/2018 14:21	0.05	7.22	15.67	6.46	2.57	0	1012.43
15/10/2018 15:39	0.06	6.99	15.49	6.58	2.48	0	1012.43
15/10/2018 16:56	0.05	6.88	15.33	7.27	2.76	0	1013.39
15/10/2018 18:14	0.05	6.87	15.6	7.11	2.67	0	1013.87
15/10/2018 19:32	0.03	6.72	15.72	6.69	2.44	0	1014.35
15/10/2018 20:50	0.02	6.67	15.69	5.74	2.35	0	1014.83
15/10/2018 22:07	0.11	6.42	15.9	5.46	2.31	0	1015.31
15/10/2018 23:25	0.11	6.21	15.89	5.4	2.27	0	1016.26
16/10/2018 00:42	0.11	6.43	15.56	5.68	2.16	0	1015.31
16/10/2018 02:00	0.12	6.85	14.85	5.18	2.06	0	1016.26
16/10/2018 03:17	0.11	7.13	14.05	5.09	1.99	0	1015.78
16/10/2018 04:34	0.1	7.74	13.17	5.29	1.89	0	1015.31
16/10/2018 05:52	0.12	8.02	12.53	4.82	1.79	0	1016.26
16/10/2018 07:09	0.11	8.31	12.75	4.48	1.79	0	1016.26
16/10/2018 08:27	0.18	7	14.71	4.59	1.97	0	1016.74
16/10/2018 09:44	0.23	7.17	14.98	5.04	2.1	0	1017.7
16/10/2018 11:01	0.47	6.96	14.97	6.13	2.37	0	1017.7
16/10/2018 12:18	0.13	7.03	14.52	6.58	2.5	0	1017.7
16/10/2018 13:36	0.07	7.7	13.49	6.99	2.35	0	1017.7

16/10/2018 14:54	0.03	8.47	12.34	6.38	2.24	0	1017.7
16/10/2018 16:11	0.07	9.53	11.38	6.19	2.35	0	1017.7
16/10/2018 17:29	0.02	9.88	10.65	6.13	2.27	0	1018.18
16/10/2018 18:46	0.11	9.71	11.32	5.77	2.27	0	1018.66
16/10/2018 20:04	0.1	9.34	12.18	5.68	2.35	0	1019.14
16/10/2018 21:21	0.11	9.09	12.63	5.85	2.27	0	1019.14
16/10/2018 22:39	0.1	9.07	12.71	5.6	2.15	0	1019.61
16/10/2018 23:56	0.11	9.25	12.29	5.29	1.96	0	1019.14
17/10/2018 01:14	0.13	9.47	11.66	4.54	1.84	0	1019.14
17/10/2018 02:31	0.18	10.19	10.99	4.79	1.74	0	1019.14
17/10/2018 03:49	0.13	10.63	10.38	4.51	1.71	0	1018.66
17/10/2018 05:06	0.12	10.71	10	4.26	1.54	0	1019.14
17/10/2018 06:24	0.13	9.78	12.64	4.3	1.83	0	1019.14
17/10/2018 07:41	0.19	8.56	14.19	4.17	1.86	0	1020.09
17/10/2018 08:59	0.25	7.7	15.09	4.68	1.89	0	1020.57

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH106

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
26/09/2018 11:03	0	-0.02	1034.86
26/09/2018 12:20	0	-0.02	1034.86
26/09/2018 13:39	0	-0.02	1034.37
26/09/2018 14:57	0	-0.01	1033.89
26/09/2018 16:16	0	-0.01	1033.41
26/09/2018 17:34	0	-0.01	1032.93
26/09/2018 18:52	0	-0.02	1032.93
26/09/2018 20:10	0	-0.03	1032.45
26/09/2018 21:28	0	-0.04	1032.93
26/09/2018 22:46	0	-0.04	1032.45
27/09/2018 00:03	0	-0.04	1032.45
27/09/2018 01:21	0	-0.04	1031.97
27/09/2018 02:38	0	-0.04	1031.49
27/09/2018 03:56	0	-0.04	1030.53
27/09/2018 05:13	0	-0.04	1030.05
27/09/2018 06:31	0	-0.04	1029.57
27/09/2018 07:48	0	-0.04	1029.09
27/09/2018 09:06	0	-0.04	1029.57
27/09/2018 10:23	0	-0.04	1028.61
27/09/2018 11:40	0	-0.04	1027.65
27/09/2018 12:58	0	-0.03	1027.17
27/09/2018 14:16	0	-0.04	1026.21
27/09/2018 15:35	0	-0.03	1025.73
27/09/2018 16:53	0	-0.02	1025.25
27/09/2018 18:10	0	-0.03	1025.25
27/09/2018 19:28	0	-0.03	1024.77
27/09/2018 20:46	0	-0.04	1024.77
27/09/2018 22:04	0	-0.04	1024.77
27/09/2018 23:22	0	-0.05	1025.25
28/09/2018 00:39	0	-0.03	1025.73
28/09/2018 01:57	0.09	0	1025.73
28/09/2018 03:14	0.24	0.1	1025.25
28/09/2018 04:31	0.28	-0.02	1026.21
28/09/2018 05:49	0.03	-0.02	1026.69
28/09/2018 07:06	0.06	-0.03	1028.13
28/09/2018 08:24	0	-0.03	1029.09
28/09/2018 09:41	0.09	-0.02	1030.05
28/09/2018 10:58	0.11	0	1031.01
28/09/2018 12:15	0.17	0.06	1031.01

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28/09/2018 13:33	0.19	0.08	1030.53
28/09/2018 14:50	0.19	-0.06	1031.01
28/09/2018 16:07	0.19	-0.02	1030.53
28/09/2018 17:25	0.09	-0.02	1031.49
28/09/2018 18:43	0	-0.04	1031.49
28/09/2018 20:01	0	-0.03	1031.97
28/09/2018 21:18	0	-0.05	1032.93
28/09/2018 22:36	0	-0.04	1032.93
28/09/2018 23:54	0	-0.04	1032.93
29/09/2018 01:11	0	-0.04	1031.97
29/09/2018 02:29	0.01	-0.05	1031.97
29/09/2018 03:46	0.03	-0.03	1031.49
29/09/2018 05:04	0	-0.05	1031.49
29/09/2018 06:21	0	-0.04	1031.49
29/09/2018 07:39	0.03	-0.01	1031.49
29/09/2018 08:56	0.07	-0.05	1031.01
29/09/2018 10:13	0	-0.03	1030.53
29/09/2018 11:31	0	-0.05	1030.05
29/09/2018 12:47	0	-0.04	1029.57
29/09/2018 14:05	0	-0.03	1028.13
29/09/2018 15:24	0	-0.04	1027.17
29/09/2018 16:41	0	-0.03	1026.69
29/09/2018 17:59	0	-0.04	1025.73
29/09/2018 19:17	0	-0.04	1025.25
29/09/2018 20:35	0	-0.05	1024.77
29/09/2018 21:53	0	-0.05	1024.29
29/09/2018 23:10	0	-0.05	1023.81
30/09/2018 00:28	0	-0.05	1023.33
30/09/2018 01:46	0	-0.06	1023.33
30/09/2018 03:03	0	-0.06	1021.89
30/09/2018 04:21	0	-0.05	1021.89
30/09/2018 05:38	0	-0.06	1021.89
30/09/2018 06:56	0	-0.06	1021.41
30/09/2018 08:13	0	-0.06	1021.89
30/09/2018 09:30	0	-0.06	1021.89
30/09/2018 10:48	0.01	-0.06	1020.93
30/09/2018 12:05	0.02	-0.04	1020.45
30/09/2018 13:21	0.05	-0.04	1020.93
30/09/2018 14:39	0.04	-0.03	1020.45
30/09/2018 15:56	0.01	-0.05	1020.45
30/09/2018 17:14	0.03	-0.04	1019.97
30/09/2018 18:31	0	-0.04	1020.45
30/09/2018 19:49	0	-0.04	1020.93
30/09/2018 21:07	0.01	-0.02	1021.41
30/09/2018 22:24	0.07	-0.01	1021.89
30/09/2018 23:42	0.06	-0.04	1022.85
01/10/2018 00:59	0	-0.05	1023.33

01/10/2018 02:17	0.03	-0.04	1024.29
01/10/2018 03:34	0	-0.05	1024.29
01/10/2018 04:52	0	-0.04	1024.29
01/10/2018 06:09	0	-0.04	1025.73
01/10/2018 07:27	0	-0.05	1026.21
01/10/2018 08:44	0.07	-0.02	1027.65
01/10/2018 10:02	0.1	-0.03	1028.61
01/10/2018 11:19	0.04	-0.04	1028.61
01/10/2018 12:35	0.18	-0.04	1028.61
01/10/2018 13:53	0.2	0	1028.13
01/10/2018 15:10	0.12	0.03	1028.61
01/10/2018 16:26	0.1	-0.01	1028.13
01/10/2018 17:43	0.04	-0.04	1028.13
01/10/2018 19:01	0	-0.04	1027.65
01/10/2018 20:19	0	-0.05	1027.17
01/10/2018 21:37	0	-0.05	1027.17
01/10/2018 22:54	0	-0.06	1026.69
02/10/2018 00:12	0.03	-0.04	1026.21
02/10/2018 01:30	0	-0.04	1025.25
02/10/2018 02:47	0	-0.04	1024.29
02/10/2018 04:04	0.03	-0.06	1022.85
02/10/2018 05:22	0.02	-0.05	1022.37
02/10/2018 06:39	0.08	-0.04	1021.89
02/10/2018 07:57	0.01	-0.04	1021.89
02/10/2018 09:14	0	-0.05	1022.37
02/10/2018 10:31	0.05	-0.05	1022.37
02/10/2018 11:49	0.08	-0.05	1022.85
02/10/2018 13:06	0	-0.04	1021.89
02/10/2018 14:23	0	-0.04	1021.89
02/10/2018 15:41	0.07	-0.04	1021.89
02/10/2018 16:58	0.06	-0.05	1022.85
02/10/2018 18:16	0.01	-0.04	1022.85
02/10/2018 19:33	0.03	-0.04	1023.81
02/10/2018 20:51	0.04	-0.04	1024.29
02/10/2018 22:08	0	-0.04	1024.77
02/10/2018 23:26	0	-0.05	1024.77
03/10/2018 00:44	0	-0.05	1025.73
03/10/2018 02:01	0	-0.05	1025.73
03/10/2018 03:19	0	-0.05	1026.21
03/10/2018 04:36	0	-0.04	1026.69
03/10/2018 05:54	0	-0.05	1027.17
03/10/2018 07:11	0	-0.05	1028.13
03/10/2018 08:29	0	-0.04	1028.61
03/10/2018 09:46	0	-0.05	1029.57
03/10/2018 11:03	0	-0.04	1029.57
03/10/2018 12:20	0	-0.04	1029.57
03/10/2018 13:37	0	-0.04	1029.57

03/10/2018 14:54	0	-0.05	1029.09
03/10/2018 16:11	0	-0.04	1028.13
03/10/2018 17:28	0	-0.04	1028.61
03/10/2018 18:46	0	-0.04	1028.61
03/10/2018 20:04	0	-0.04	1028.61
03/10/2018 21:22	0	-0.04	1029.09
03/10/2018 22:39	0	-0.04	1028.61
03/10/2018 23:57	0	-0.04	1028.61
04/10/2018 01:14	0	-0.05	1028.13
04/10/2018 02:32	0	-0.04	1028.13
04/10/2018 03:50	0	-0.06	1027.17
04/10/2018 05:07	0	-0.04	1027.17
04/10/2018 06:24	0	-0.05	1027.17
04/10/2018 07:42	0	-0.04	1027.17
04/10/2018 08:59	0	-0.04	1027.65
04/10/2018 10:17	0	-0.05	1027.17
04/10/2018 11:34	0	-0.04	1027.17
04/10/2018 12:51	0	-0.04	1026.21
04/10/2018 14:09	0	-0.04	1025.73
04/10/2018 15:26	0	-0.04	1025.25
04/10/2018 16:44	0	-0.04	1024.29
04/10/2018 18:01	0	-0.04	1023.81
04/10/2018 19:19	0	-0.04	1022.85
04/10/2018 20:36	0	-0.05	1022.85
04/10/2018 21:54	0	-0.05	1022.37
04/10/2018 23:11	0	-0.05	1021.89
05/10/2018 00:29	0	-0.05	1020.93
05/10/2018 01:47	0	-0.05	1020.45
05/10/2018 03:04	0	-0.04	1019.49
05/10/2018 04:22	0	-0.05	1018.04
05/10/2018 05:39	0	-0.04	1018.04
05/10/2018 06:56	0	-0.05	1017.56
05/10/2018 08:14	0	-0.04	1017.56
05/10/2018 09:31	0	-0.05	1017.56
05/10/2018 10:48	0	-0.05	1016.6
05/10/2018 12:05	0	-0.05	1016.12
05/10/2018 13:21	0	-0.04	1016.12
05/10/2018 14:37	0	-0.03	1015.64
05/10/2018 15:54	0	-0.03	1015.16
05/10/2018 17:12	0	-0.03	1014.2
05/10/2018 18:30	0	-0.03	1014.2
05/10/2018 19:48	0	-0.04	1013.72
05/10/2018 21:06	0	-0.05	1013.24
05/10/2018 22:24	0	-0.05	1012.76
05/10/2018 23:41	0	-0.05	1012.28
06/10/2018 00:59	0	-0.05	1012.28
06/10/2018 02:16	0	-0.05	1011.32

06/10/2018 03:34	0	-0.05	1010.36
06/10/2018 04:51	0	-0.04	1009.88
06/10/2018 06:09	0.01	-0.03	1008.92
06/10/2018 07:26	0	-0.04	1008.92
06/10/2018 08:43	0.05	-0.03	1009.88
06/10/2018 10:01	0.06	-0.03	1009.88
06/10/2018 11:18	0.17	-0.03	1008.92
06/10/2018 12:36	0.2	-0.01	1009.88
06/10/2018 13:53	0.24	0.01	1009.4
06/10/2018 15:11	0.28	0.03	1009.88
06/10/2018 16:28	0.18	-0.03	1009.88
06/10/2018 17:46	0.37	0.2	1010.84
06/10/2018 19:03	0.97	0.24	1011.8
06/10/2018 20:21	0.58	0.03	1013.72
06/10/2018 21:38	0.34	0.14	1014.2
06/10/2018 22:56	0.49	0.04	1015.16
07/10/2018 00:13	0.49	0.07	1015.16
07/10/2018 01:31	0.42	0.11	1017.08
07/10/2018 02:48	0.16	0.01	1019.01
07/10/2018 04:06	0.12	0	1019.97
07/10/2018 05:23	0.08	-0.02	1020.93
07/10/2018 06:41	0	-0.03	1021.89
07/10/2018 07:58	0.17	-0.02	1022.85
07/10/2018 09:16	0.26	0.02	1023.33
07/10/2018 10:33	0.28	0.02	1023.81
07/10/2018 11:50	0.16	-0.03	1024.29
07/10/2018 13:05	0.16	0	1024.29
07/10/2018 14:21	0.03	-0.03	1023.81
07/10/2018 15:38	0.03	-0.04	1024.29
07/10/2018 16:55	0	-0.03	1024.29
07/10/2018 18:13	0	-0.04	1024.29
07/10/2018 19:31	0	-0.05	1024.77
07/10/2018 20:49	0	-0.05	1024.77
07/10/2018 22:07	0	-0.05	1024.77
07/10/2018 23:24	0	-0.05	1024.77
08/10/2018 00:42	0	-0.05	1024.77
08/10/2018 01:59	0	-0.05	1023.81
08/10/2018 03:17	0	-0.05	1023.33
08/10/2018 04:34	0	-0.06	1022.85
08/10/2018 05:52	0	-0.06	1022.85
08/10/2018 07:09	0	-0.06	1022.85
08/10/2018 08:27	0	-0.06	1023.33
08/10/2018 09:44	0	-0.05	1024.29
08/10/2018 11:01	0	-0.05	1024.29
08/10/2018 12:18	0	-0.03	1024.29
08/10/2018 13:36	0	-0.04	1023.33
08/10/2018 14:52	0	-0.04	1022.85

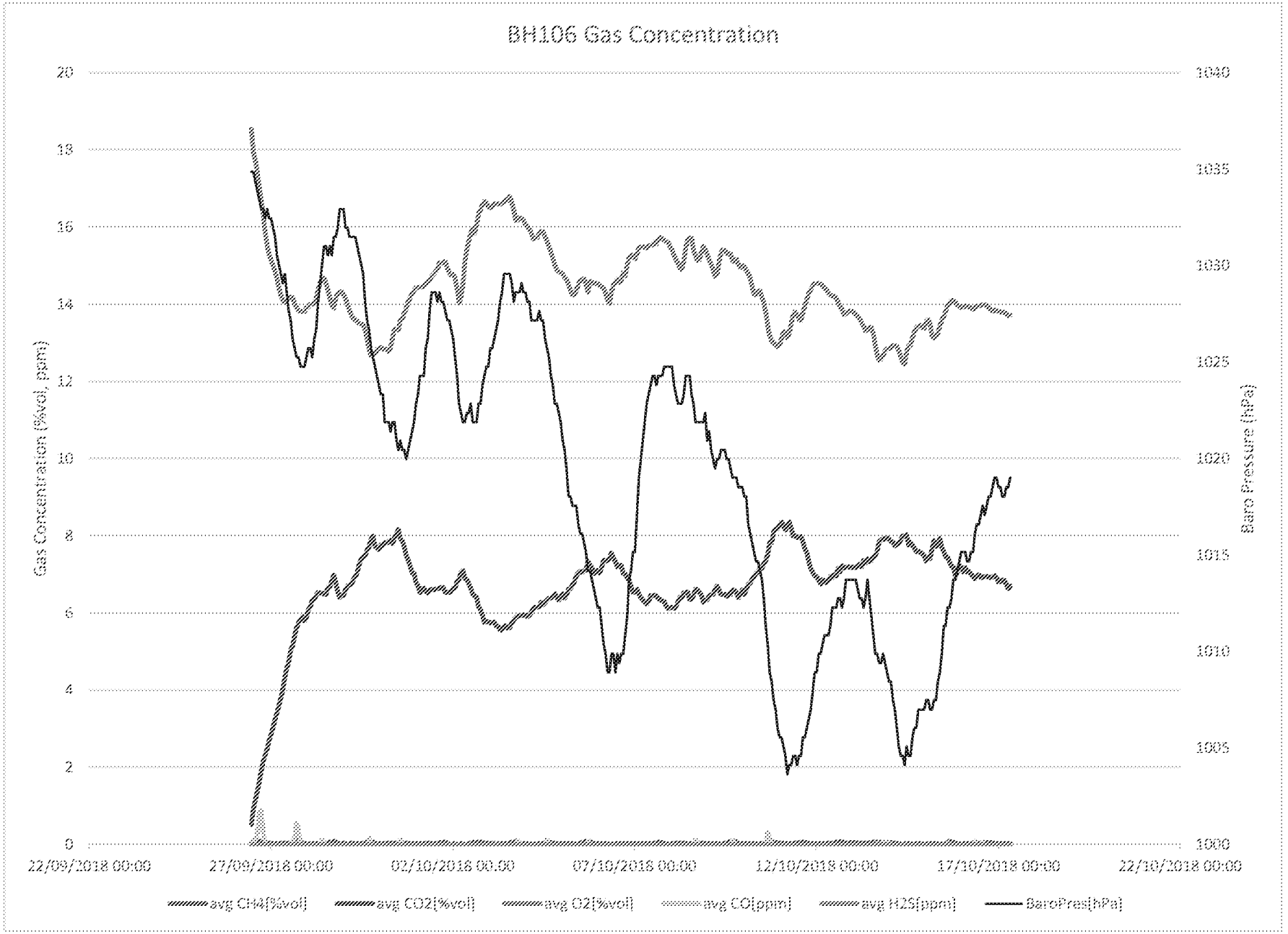
08/10/2018 16:10	0.08	-0.03	1021.89
08/10/2018 17:27	0	-0.04	1021.89
08/10/2018 18:45	0	-0.05	1021.89
08/10/2018 20:02	0	-0.04	1021.89
08/10/2018 21:20	0	-0.04	1021.89
08/10/2018 22:38	0	-0.05	1022.37
08/10/2018 23:55	0	-0.04	1020.93
09/10/2018 01:13	0	-0.05	1021.41
09/10/2018 02:30	0	-0.05	1020.45
09/10/2018 03:48	0	-0.05	1019.97
09/10/2018 05:05	0	-0.05	1019.49
09/10/2018 06:23	0	-0.05	1019.97
09/10/2018 07:40	0	-0.05	1019.97
09/10/2018 08:58	0	-0.05	1020.45
09/10/2018 10:15	0	-0.05	1020.45
09/10/2018 11:32	0	-0.04	1020.45
09/10/2018 12:47	0	-0.04	1019.97
09/10/2018 14:03	0	-0.03	1019.97
09/10/2018 15:20	0	-0.03	1019.49
09/10/2018 16:37	0	-0.03	1019.01
09/10/2018 17:54	0	-0.03	1019.01
09/10/2018 19:12	0	-0.04	1019.01
09/10/2018 20:30	0	-0.04	1018.52
09/10/2018 21:47	0	-0.05	1018.52
09/10/2018 23:05	0	-0.05	1018.52
10/10/2018 00:22	0	-0.05	1018.04
10/10/2018 01:40	0	-0.05	1018.04
10/10/2018 02:57	0	-0.05	1016.6
10/10/2018 04:15	0	-0.05	1016.12
10/10/2018 05:32	0	-0.04	1015.64
10/10/2018 06:50	0	-0.04	1015.16
10/10/2018 08:07	0	-0.05	1014.68
10/10/2018 09:25	0	-0.04	1014.68
10/10/2018 10:42	0.01	-0.05	1014.2
10/10/2018 11:59	0	-0.04	1013.72
10/10/2018 13:16	0	-0.03	1012.76
10/10/2018 14:33	0	-0.04	1011.32
10/10/2018 15:50	0	-0.03	1010.36
10/10/2018 17:08	0	-0.03	1008.92
10/10/2018 18:26	0	-0.04	1008.44
10/10/2018 19:44	0	-0.05	1007.48
10/10/2018 21:02	0	-0.04	1007
10/10/2018 22:19	0	-0.04	1006.04
10/10/2018 23:37	0	-0.05	1005.56
11/10/2018 00:54	0	-0.05	1005.56
11/10/2018 02:12	0	-0.04	1005.08
11/10/2018 03:29	0	-0.05	1004.6

11/10/2018 04:47	0	-0.04	1003.64
11/10/2018 06:04	0	-0.04	1004.12
11/10/2018 07:22	0	-0.05	1004.12
11/10/2018 08:39	0.02	-0.04	1004.6
11/10/2018 09:56	0	-0.04	1004.6
11/10/2018 11:14	0.01	-0.03	1004.12
11/10/2018 12:31	0.02	-0.04	1004.6
11/10/2018 13:49	0.04	-0.04	1004.6
11/10/2018 15:06	0	-0.05	1005.56
11/10/2018 16:24	0	-0.03	1005.56
11/10/2018 17:41	0	-0.03	1006.04
11/10/2018 18:59	0.05	-0.04	1006.52
11/10/2018 20:16	0	-0.03	1007
11/10/2018 21:34	0	-0.04	1007.96
11/10/2018 22:51	0	-0.04	1008.92
12/10/2018 00:09	0.01	-0.05	1008.92
12/10/2018 01:26	0.01	-0.02	1009.88
12/10/2018 02:44	0.06	-0.05	1009.88
12/10/2018 04:01	0	-0.01	1010.36
12/10/2018 05:19	0.02	-0.01	1010.84
12/10/2018 06:36	0.01	-0.03	1010.84
12/10/2018 07:54	0.05	-0.04	1010.84
12/10/2018 09:11	0	-0.03	1011.32
12/10/2018 10:28	0.06	-0.02	1012.28
12/10/2018 11:46	0.1	-0.03	1012.28
12/10/2018 13:03	0.04	-0.02	1012.28
12/10/2018 14:21	0.04	-0.02	1012.76
12/10/2018 15:37	0.01	-0.01	1012.76
12/10/2018 16:54	0	-0.05	1012.28
12/10/2018 18:11	0.03	-0.04	1012.76
12/10/2018 19:29	0.07	-0.04	1013.72
12/10/2018 20:47	0.08	-0.03	1013.72
12/10/2018 22:04	0.01	-0.05	1013.72
12/10/2018 23:21	0	-0.03	1013.72
13/10/2018 00:39	0	-0.04	1013.72
13/10/2018 01:56	0	-0.03	1013.72
13/10/2018 03:14	0	-0.04	1013.24
13/10/2018 04:31	0	-0.03	1012.76
13/10/2018 05:49	0.01	-0.03	1012.76
13/10/2018 07:06	0.04	-0.03	1012.28
13/10/2018 08:24	0.04	-0.03	1012.76
13/10/2018 09:41	0	-0.04	1013.72
13/10/2018 10:58	0	-0.04	1012.76
13/10/2018 12:16	0	-0.04	1011.8
13/10/2018 13:33	0.08	-0.04	1010.84
13/10/2018 14:50	0	-0.02	1009.88
13/10/2018 16:07	0	-0.03	1009.88

13/10/2018 17:25	0	-0.03	1009.4
13/10/2018 18:42	0	-0.04	1009.4
13/10/2018 20:00	0	-0.03	1009.88
13/10/2018 21:18	0	-0.04	1009.4
13/10/2018 22:35	0	-0.04	1008.92
13/10/2018 23:53	0	-0.04	1008.44
14/10/2018 01:10	0.02	-0.04	1008.44
14/10/2018 02:28	0	-0.05	1007.48
14/10/2018 03:45	0	-0.03	1007
14/10/2018 05:03	0	-0.05	1006.04
14/10/2018 06:20	0.01	-0.04	1005.08
14/10/2018 07:38	0.07	0	1004.6
14/10/2018 08:55	0.28	0.06	1004.6
14/10/2018 10:13	0	-0.06	1004.12
14/10/2018 11:30	0.18	0.02	1005.08
14/10/2018 12:48	0.17	0	1004.6
14/10/2018 14:05	0.25	0.09	1004.6
14/10/2018 15:23	0.2	0.06	1005.56
14/10/2018 16:40	0.52	0.01	1006.04
14/10/2018 17:58	0.27	0.07	1006.04
14/10/2018 19:15	0.29	0.09	1007
14/10/2018 20:33	0.4	0.03	1007
14/10/2018 21:50	0.47	0.06	1007
14/10/2018 23:08	0.88	0.11	1007
15/10/2018 00:25	0.18	0.09	1007.48
15/10/2018 01:43	0.15	0.08	1007.48
15/10/2018 03:00	0.28	0.04	1007
15/10/2018 04:17	0.23	0.02	1007
15/10/2018 05:35	0.06	-0.03	1007.48
15/10/2018 06:52	0.05	0	1007.48
15/10/2018 08:10	0.08	0	1008.44
15/10/2018 09:27	0.03	-0.06	1008.92
15/10/2018 10:44	0.07	-0.02	1009.88
15/10/2018 12:02	0.12	-0.01	1011.32
15/10/2018 13:17	0.02	-0.01	1011.32
15/10/2018 14:32	0	-0.04	1012.28
15/10/2018 15:50	0	-0.04	1012.28
15/10/2018 17:06	0	-0.04	1012.76
15/10/2018 18:24	0	-0.04	1013.72
15/10/2018 19:42	0	-0.03	1013.72
15/10/2018 21:00	0	-0.02	1014.2
15/10/2018 22:17	0	-0.02	1014.68
15/10/2018 23:35	0	-0.05	1015.16
16/10/2018 00:52	0	-0.04	1015.16
16/10/2018 02:09	0	-0.05	1015.16
16/10/2018 03:27	0	-0.03	1014.68
16/10/2018 04:44	0	-0.04	1014.68

16/10/2018 06:02	0	-0.05	1015.16
16/10/2018 07:19	0	-0.05	1015.16
16/10/2018 08:37	0	-0.05	1016.12
16/10/2018 09:54	0	-0.04	1016.6
16/10/2018 11:12	0.03	-0.04	1016.6
16/10/2018 12:29	0	-0.03	1017.08
16/10/2018 13:47	0	-0.04	1017.56
16/10/2018 15:05	0	-0.04	1017.08
16/10/2018 16:22	0	-0.04	1017.56
16/10/2018 17:40	0	-0.04	1018.04
16/10/2018 18:57	0	-0.04	1018.04
16/10/2018 20:15	0	-0.04	1018.52
16/10/2018 21:32	0	-0.04	1019.01
16/10/2018 22:50	0	-0.04	1019.01
17/10/2018 00:07	0	-0.04	1018.52
17/10/2018 01:25	0	-0.05	1018.52
17/10/2018 02:43	0	-0.04	1018.04
17/10/2018 04:00	0	-0.04	1018.04
17/10/2018 05:17	0	-0.04	1018.52
17/10/2018 06:35	0	-0.05	1018.52
17/10/2018 07:53	0	-0.05	1019.01

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Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes



BH106

Time	avg CH4[%	avg CO2[%	avg O2[%v	avg CO[ppi	avg H2S[pp	BaroPres[hPa]
26/09/2018 11:03	0.05	0.52	18.53	0.08	0	1034.86
26/09/2018 12:20	0.04	0.91	17.94	0.12	0	1034.86
26/09/2018 13:39	0.08	1.15	17.73	0.11	0	1034.37
26/09/2018 14:57	0.09	1.37	17.43	0.27	0	1033.89
26/09/2018 16:16	0.08	1.62	17.05	0.83	0	1033.41
26/09/2018 17:34	0.09	1.91	16.69	0.86	0	1032.93
26/09/2018 18:52	0.09	2.16	16.3	0.33	0	1032.93
26/09/2018 20:10	0.06	2.33	15.85	0	0	1032.45
26/09/2018 21:28	0.04	2.48	15.51	0	0	1032.93
26/09/2018 22:46	0.03	2.69	15.29	0	0	1032.45
27/09/2018 00:03	0.04	2.86	15.14	0	0	1032.45
27/09/2018 01:21	0.02	3.04	15	0	0	1031.97
27/09/2018 02:38	0.03	3.23	14.84	0	0	1031.49
27/09/2018 03:56	0.03	3.42	14.67	0	0	1030.53
27/09/2018 05:13	0.03	3.6	14.43	0	0	1030.05
27/09/2018 06:31	0.03	3.81	14.23	0	0	1029.57
27/09/2018 07:48	0.04	3.99	14.12	0	0	1029.09
27/09/2018 09:06	0.04	4.33	14.05	0	0	1029.57
27/09/2018 10:23	0.02	4.57	14.11	0	0	1028.61
27/09/2018 11:40	0.03	4.72	14.19	0	0	1027.65
27/09/2018 12:58	0.04	5.03	14.18	0.03	0	1027.17
27/09/2018 14:16	0.1	5.15	14.18	0.08	0	1026.21
27/09/2018 15:35	0.08	5.4	14.02	0.16	0	1025.73
27/09/2018 16:53	0.09	5.63	13.91	0.56	0	1025.25
27/09/2018 18:10	0.1	5.74	13.83	0.37	0	1025.25
27/09/2018 19:28	0.06	5.81	13.81	0	0	1024.77
27/09/2018 20:46	0.04	5.91	13.81	0	0	1024.77
27/09/2018 22:04	0.03	5.79	13.81	0	0	1024.77
27/09/2018 23:22	0.01	5.88	13.9	0	0	1025.25
28/09/2018 00:39	0.02	6.08	13.93	0	0	1025.73
28/09/2018 01:57	0.02	6.15	14	0	0	1025.73
28/09/2018 03:14	0.03	6.35	14	0	0	1025.25
28/09/2018 04:31	0.03	6.36	14.02	0	0	1026.21
28/09/2018 05:49	0.03	6.46	14.16	0	0	1026.69
28/09/2018 07:06	0.02	6.53	14.37	0	0	1028.13
28/09/2018 08:24	0.03	6.52	14.55	0	0	1029.09
28/09/2018 09:41	0.02	6.52	14.65	0.12	0	1030.05
28/09/2018 10:58	0.02	6.48	14.67	0	0	1031.01
28/09/2018 12:15	0.04	6.48	14.55	0	0	1031.01
28/09/2018 13:33	0.04	6.66	14.37	0	0	1030.53
28/09/2018 14:50	0.06	6.69	14.16	0	0	1031.01

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28/09/2018 16:07	0.05	6.83	13.98	0	0	1030.53
28/09/2018 17:25	0.09	6.98	13.9	0	0	1031.49
28/09/2018 18:43	0.06	6.79	14.15	0	0	1031.49
28/09/2018 20:01	0.03	6.54	14.29	0	0	1031.97
28/09/2018 21:18	0.03	6.4	14.29	0	0	1032.93
28/09/2018 22:36	0.02	6.47	14.33	0	0	1032.93
28/09/2018 23:54	0.04	6.46	14.25	0	0	1032.93
29/09/2018 01:11	0.02	6.6	14.15	0	0	1031.97
29/09/2018 02:29	0.02	6.7	13.99	0	0	1031.97
29/09/2018 03:46	0.02	6.73	13.84	0	0	1031.49
29/09/2018 05:04	0.04	6.75	13.71	0	0	1031.49
29/09/2018 06:21	0.02	6.86	13.64	0	0	1031.49
29/09/2018 07:39	0.03	6.94	13.59	0	0	1031.49
29/09/2018 08:56	0.03	7.06	13.56	0	0	1031.01
29/09/2018 10:13	0.02	7.27	13.5	0	0	1030.53
29/09/2018 11:31	0.02	7.39	13.49	0	0	1030.05
29/09/2018 12:47	0.03	7.43	13.48	0	0	1029.57
29/09/2018 14:05	0.05	7.48	13.33	0	0	1028.13
29/09/2018 15:24	0.06	7.62	13.1	0	0	1027.17
29/09/2018 16:41	0.09	7.71	12.85	0.16	0	1026.69
29/09/2018 17:59	0.07	7.9	12.67	0.03	0	1025.73
29/09/2018 19:17	0.07	7.99	12.69	0	0	1025.25
29/09/2018 20:35	0.03	7.73	12.7	0	0	1024.77
29/09/2018 21:53	0.02	7.7	12.83	0	0	1024.29
29/09/2018 23:10	0.02	7.64	12.86	0	0	1023.81
30/09/2018 00:28	0.03	7.76	12.88	0	0	1023.33
30/09/2018 01:46	0.03	7.74	12.84	0	0	1023.33
30/09/2018 03:03	0.02	7.82	12.84	0	0	1021.89
30/09/2018 04:21	0.04	7.81	12.83	0	0	1021.89
30/09/2018 05:38	0.04	7.86	12.77	0	0	1021.89
30/09/2018 06:56	0.04	7.88	12.89	0	0	1021.41
30/09/2018 08:13	0.04	7.79	13.13	0	0	1021.89
30/09/2018 09:30	0.03	7.94	13.36	0	0	1021.89
30/09/2018 10:48	0.04	8.06	13.34	0	0	1020.93
30/09/2018 12:05	0.03	8.16	13.33	0	0	1020.45
30/09/2018 13:21	0.03	7.92	13.59	0.12	0	1020.93
30/09/2018 14:39	0.02	7.88	13.59	0	0	1020.45
30/09/2018 15:56	0.03	7.71	13.79	0	0	1020.45
30/09/2018 17:14	0.04	7.49	13.88	0	0	1019.97
30/09/2018 18:31	0.03	7.37	14.08	0	0	1020.45
30/09/2018 19:49	0.03	7.22	14.17	0	0	1020.93
30/09/2018 21:07	0.03	7.03	14.27	0	0	1021.41
30/09/2018 22:24	0.03	7.03	14.36	0	0	1021.89
30/09/2018 23:42	0.03	6.78	14.43	0	0	1022.85
01/10/2018 00:59	0.01	6.71	14.44	0	0	1023.33
01/10/2018 02:17	0.03	6.53	14.44	0	0	1024.29
01/10/2018 03:34	0.03	6.63	14.46	0	0	1024.29

01/10/2018 04:52	0.01	6.65	14.46	0	0	1024.29
01/10/2018 06:09	0.03	6.56	14.52	0	0	1025.73
01/10/2018 07:27	0.04	6.52	14.59	0	0	1026.21
01/10/2018 08:44	0.03	6.59	14.63	0	0	1027.65
01/10/2018 10:02	0.02	6.61	14.73	0	0	1028.61
01/10/2018 11:19	0.03	6.6	14.78	0	0	1028.61
01/10/2018 12:35	0.02	6.61	14.84	0	0	1028.61
01/10/2018 13:53	0.03	6.63	14.9	0	0	1028.13
01/10/2018 15:10	0.04	6.64	15.07	0	0	1028.61
01/10/2018 16:26	0.05	6.66	15.07	0	0	1028.13
01/10/2018 17:43	0.06	6.66	15.08	0	0	1028.13
01/10/2018 19:01	0.06	6.53	15.11	0	0	1027.65
01/10/2018 20:19	0.04	6.54	14.94	0	0	1027.17
01/10/2018 21:37	0.02	6.53	14.82	0	0	1027.17
01/10/2018 22:54	0.03	6.58	14.75	0.03	0	1026.69
02/10/2018 00:12	0.02	6.65	14.77	0	0	1026.21
02/10/2018 01:30	0.03	6.65	14.68	0	0	1025.25
02/10/2018 02:47	0.02	6.82	14.4	0.03	0	1024.29
02/10/2018 04:04	0.03	6.88	14.04	0	0	1022.85
02/10/2018 05:22	0.03	7.05	14.17	0	0	1022.37
02/10/2018 06:39	0.01	7.1	14.5	0	0	1021.89
02/10/2018 07:57	0.02	6.9	15.1	0.03	0	1021.89
02/10/2018 09:14	0.02	6.86	15.42	0	0	1022.37
02/10/2018 10:31	0.02	6.76	15.64	0	0	1022.37
02/10/2018 11:49	0.04	6.64	15.84	0	0	1022.85
02/10/2018 13:06	0.06	6.48	15.95	0	0	1021.89
02/10/2018 14:23	0.04	6.44	15.84	0	0	1021.89
02/10/2018 15:41	0.05	6.4	16.05	0	0	1021.89
02/10/2018 16:58	0.06	6.16	16.34	0	0	1022.85
02/10/2018 18:16	0.06	6.08	16.46	0	0	1022.85
02/10/2018 19:33	0.05	5.95	16.57	0	0	1023.81
02/10/2018 20:51	0.03	5.75	16.67	0	0	1024.29
02/10/2018 22:08	0.04	5.78	16.63	0	0	1024.77
02/10/2018 23:26	0.03	5.77	16.53	0	0	1024.77
03/10/2018 00:44	0.02	5.74	16.5	0	0	1025.73
03/10/2018 02:01	0.03	5.75	16.53	0	0	1025.73
03/10/2018 03:19	0.04	5.76	16.6	0	0	1026.21
03/10/2018 04:36	0.02	5.66	16.6	0.03	0	1026.69
03/10/2018 05:54	0.03	5.65	16.6	0	0	1027.17
03/10/2018 07:11	0.02	5.56	16.59	0	0	1028.13
03/10/2018 08:29	0.02	5.55	16.63	0	0	1028.61
03/10/2018 09:46	0.03	5.63	16.66	0	0	1029.57
03/10/2018 11:03	0.02	5.67	16.71	0	0	1029.57
03/10/2018 12:20	0.01	5.6	16.69	0	0	1029.57
03/10/2018 13:37	0.04	5.62	16.79	0	0	1029.57
03/10/2018 14:54	0.06	5.74	16.64	0	0	1029.09
03/10/2018 16:11	0.06	5.82	16.45	0	0	1028.13

03/10/2018 17:28	0.07	5.88	16.17	0	0	1028.61
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03/10/2018 21:22	0.02	5.93	16.22	0	0	1029.09
03/10/2018 22:39	0.02	5.95	16.17	0	0	1028.61
03/10/2018 23:57	0.03	5.94	16.07	0	0	1028.61
04/10/2018 01:14	0.02	5.9	16.02	0	0	1028.13
04/10/2018 02:32	0.01	5.94	15.94	0	0	1028.13
04/10/2018 03:50	0.02	6.01	15.85	0	0	1027.17
04/10/2018 05:07	0.02	6.1	15.69	0	0	1027.17
04/10/2018 06:24	0.02	6.15	15.72	0	0	1027.17
04/10/2018 07:42	0.02	6.15	15.73	0	0	1027.17
04/10/2018 08:59	0.03	6.16	15.82	0	0	1027.65
04/10/2018 10:17	0.02	6.28	15.88	0	0	1027.17
04/10/2018 11:34	0.03	6.21	15.88	0	0	1027.17
04/10/2018 12:51	0.03	6.27	15.76	0	0	1026.21
04/10/2018 14:09	0.03	6.33	15.64	0.12	0	1025.73
04/10/2018 15:26	0.03	6.38	15.48	0	0	1025.25
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04/10/2018 19:19	0.03	6.5	15.02	0	0	1022.85
04/10/2018 20:36	0.02	6.4	14.89	0	0	1022.85
04/10/2018 21:54	0.02	6.33	14.84	0	0	1022.37
04/10/2018 23:11	0.03	6.4	14.82	0	0	1021.89
05/10/2018 00:29	0.03	6.5	14.78	0	0	1020.93
05/10/2018 01:47	0.03	6.38	14.7	0	0	1020.45
05/10/2018 03:04	0.03	6.48	14.65	0	0	1019.49
05/10/2018 04:22	0.03	6.61	14.51	0	0	1018.04
05/10/2018 05:39	0.03	6.63	14.36	0	0	1018.04
05/10/2018 06:56	0.02	6.72	14.24	0	0	1017.56
05/10/2018 08:14	0.02	6.81	14.25	0	0	1017.56
05/10/2018 09:31	0.02	6.97	14.36	0	0	1017.56
05/10/2018 10:48	0.02	7.03	14.51	0	0	1016.6
05/10/2018 12:05	0.03	7.08	14.61	0	0	1016.12
05/10/2018 13:21	0.05	7.05	14.63	0	0	1016.12
05/10/2018 14:37	0.08	7.09	14.66	0	0	1015.64
05/10/2018 15:54	0.08	7.11	14.52	0	0	1015.16
05/10/2018 17:12	0.06	7.33	14.32	0.08	0	1014.2
05/10/2018 18:30	0.08	7.24	14.6	0	0	1014.2
05/10/2018 19:48	0.04	7.18	14.58	0	0	1013.72
05/10/2018 21:06	0.03	7.02	14.53	0	0	1013.24
05/10/2018 22:24	0.02	7.09	14.54	0	0	1012.76
05/10/2018 23:41	0.03	7.1	14.54	0	0	1012.28
06/10/2018 00:59	0.03	7.03	14.48	0	0	1012.28
06/10/2018 02:16	0.02	7.19	14.45	0	0	1011.32
06/10/2018 03:34	0.02	7.37	14.4	0	0	1010.36
06/10/2018 04:51	0.03	7.34	14.29	0	0	1009.88

06/10/2018 06:09	0.02	7.37	14.11	0	0	1008.92
06/10/2018 07:26	0.01	7.43	14.02	0	0	1008.92
06/10/2018 08:43	0.02	7.55	14.32	0	0	1009.88
06/10/2018 10:01	0.02	7.42	14.49	0	0	1009.88
06/10/2018 11:18	0.02	7.33	14.59	0	0	1008.92
06/10/2018 12:36	0.03	7.19	14.65	0	0	1009.88
06/10/2018 13:53	0.03	7.24	14.57	0	0	1009.4
06/10/2018 15:11	0.02	7.23	14.63	0	0	1009.88
06/10/2018 16:28	0.02	7.02	14.82	0	0	1009.88
06/10/2018 17:46	0.03	7.01	14.74	0	0	1010.84
06/10/2018 19:03	0.02	6.92	15.01	0	0	1011.8
06/10/2018 20:21	0.03	6.85	15.21	0	0	1013.72
06/10/2018 21:38	0.03	6.69	15.28	0	0	1014.2
06/10/2018 22:56	0.02	6.53	15.26	0	0	1015.16
07/10/2018 00:13	0.03	6.55	15.18	0	0	1015.16
07/10/2018 01:31	0.01	6.62	15.29	0	0	1017.08
07/10/2018 02:48	0.02	6.49	15.47	0	0	1019.01
07/10/2018 04:06	0.03	6.39	15.48	0	0	1019.97
07/10/2018 05:23	0.03	6.34	15.5	0	0	1020.93
07/10/2018 06:41	0.03	6.28	15.47	0	0	1021.89
07/10/2018 07:58	0.02	6.23	15.46	0	0	1022.85
07/10/2018 09:16	0.03	6.29	15.51	0	0	1023.33
07/10/2018 10:33	0.02	6.45	15.52	0	0	1023.81
07/10/2018 11:50	0.02	6.45	15.55	0	0	1024.29
07/10/2018 13:05	0.03	6.46	15.61	0	0	1024.29
07/10/2018 14:21	0.04	6.44	15.56	0	0	1023.81
07/10/2018 15:38	0.06	6.37	15.66	0	0	1024.29
07/10/2018 16:55	0.05	6.35	15.73	0	0	1024.29
07/10/2018 18:13	0.05	6.31	15.7	0	0	1024.29
07/10/2018 19:31	0.03	6.3	15.66	0	0	1024.77
07/10/2018 20:49	0.02	6.17	15.62	0	0	1024.77
07/10/2018 22:07	0.02	6.11	15.6	0	0	1024.77
07/10/2018 23:24	0.02	6.14	15.49	0	0	1024.77
08/10/2018 00:42	0.03	6.15	15.41	0	0	1024.77
08/10/2018 01:59	0.03	6.12	15.27	0	0	1023.81
08/10/2018 03:17	0.04	6.18	15.16	0	0	1023.33
08/10/2018 04:34	0.03	6.28	15.06	0	0	1022.85
08/10/2018 05:52	0.04	6.41	14.94	0	0	1022.85
08/10/2018 07:09	0.04	6.4	14.9	0	0	1022.85
08/10/2018 08:27	0.04	6.52	15.12	0	0	1023.33
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08/10/2018 11:01	0.01	6.54	15.67	0	0	1024.29
08/10/2018 12:18	0.02	6.35	15.71	0	0	1024.29
08/10/2018 13:36	0.03	6.37	15.72	0	0	1023.33
08/10/2018 14:52	0.03	6.45	15.4	0	0	1022.85
08/10/2018 16:10	0.03	6.62	15.26	0.12	0	1021.89
08/10/2018 17:27	0.03	6.6	15.14	0	0	1021.89

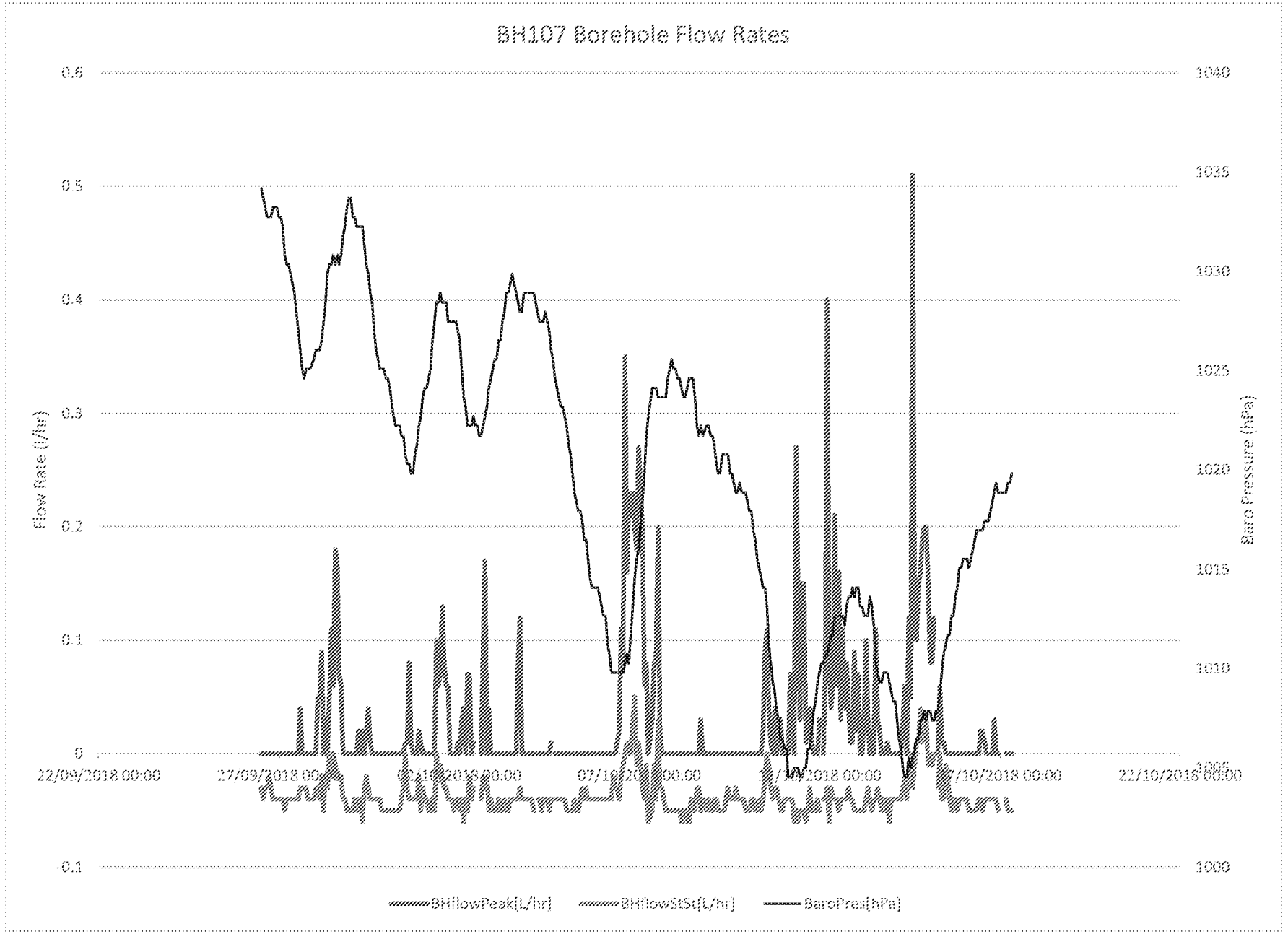
08/10/2018 18:45	0.04	6.53	15.15	0	0	1021.89
08/10/2018 20:02	0.04	6.47	15.34	0	0	1021.89
08/10/2018 21:20	0.03	6.28	15.5	0	0	1021.89
08/10/2018 22:38	0.03	6.32	15.41	0	0	1022.37
08/10/2018 23:55	0.03	6.34	15.3	0	0	1020.93
09/10/2018 01:13	0.02	6.43	15.14	0	0	1021.41
09/10/2018 02:30	0.01	6.47	15.04	0	0	1020.45
09/10/2018 03:48	0.02	6.48	14.89	0	0	1019.97
09/10/2018 05:05	0.03	6.61	14.72	0	0	1019.49
09/10/2018 06:23	0.03	6.7	14.78	0	0	1019.97
09/10/2018 07:40	0.02	6.6	15.08	0	0	1019.97
09/10/2018 08:58	0.01	6.48	15.33	0	0	1020.45
09/10/2018 10:15	0.03	6.48	15.41	0	0	1020.45
09/10/2018 11:32	0.03	6.49	15.39	0	0	1020.45
09/10/2018 12:47	0.04	6.43	15.32	0	0	1019.97
09/10/2018 14:03	0.07	6.5	15.3	0	0	1019.97
09/10/2018 15:20	0.06	6.47	15.31	0	0	1019.49
09/10/2018 16:37	0.08	6.6	15.13	0.11	0	1019.01
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09/10/2018 19:12	0.07	6.53	15.17	0	0	1019.01
09/10/2018 20:30	0.03	6.39	15.03	0	0	1018.52
09/10/2018 21:47	0.03	6.47	14.95	0	0	1018.52
09/10/2018 23:05	0.02	6.6	15	0	0	1018.52
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10/10/2018 11:59	0.02	7.16	14.19	0	0	1013.72
10/10/2018 13:16	0.04	7.27	14.05	0	0	1012.76
10/10/2018 14:33	0.06	7.36	13.79	0	0	1011.32
10/10/2018 15:50	0.08	7.51	13.42	0.31	0	1010.36
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10/10/2018 18:26	0.06	7.82	13.04	0	0	1008.44
10/10/2018 19:44	0.06	8.09	13.01	0	0	1007.48
10/10/2018 21:02	0.05	8.16	12.95	0	0	1007
10/10/2018 22:19	0.04	8.18	12.9	0	0	1006.04
10/10/2018 23:37	0.03	8.27	12.93	0	0	1005.56
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11/10/2018 02:12	0.03	8.27	13.29	0	0	1005.08
11/10/2018 03:29	0.03	8.15	13.26	0	0	1004.6
11/10/2018 04:47	0.03	8.23	13.13	0	0	1003.64
11/10/2018 06:04	0.03	8.36	13.26	0	0	1004.12

11/10/2018 07:22	0.02	8.21	13.51	0	0	1004.12
11/10/2018 08:39	0.02	7.99	13.72	0	0	1004.6
11/10/2018 09:56	0.03	8	13.81	0	0	1004.6
11/10/2018 11:14	0.05	7.95	13.73	0	0	1004.12
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11/10/2018 13:49	0.06	7.98	13.58	0	0	1004.6
11/10/2018 15:06	0.06	7.85	13.79	0	0	1005.56
11/10/2018 16:24	0.05	7.65	13.95	0	0	1005.56
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11/10/2018 18:59	0.03	7.32	14.29	0	0	1006.52
11/10/2018 20:16	0.03	7.15	14.39	0	0	1007
11/10/2018 21:34	0.03	7.04	14.46	0	0	1007.96
11/10/2018 22:51	0.03	6.96	14.53	0	0	1008.92
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12/10/2018 02:44	0.03	6.75	14.52	0	0	1009.88
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12/10/2018 10:28	0.03	6.91	14.21	0	0	1012.28
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12/10/2018 14:21	0.04	7.16	14.05	0	0	1012.76
12/10/2018 15:37	0.07	7.07	13.94	0	0	1012.76
12/10/2018 16:54	0.07	7.23	13.87	0	0	1012.28
12/10/2018 18:11	0.05	7.16	13.73	0	0	1012.76
12/10/2018 19:29	0.04	7.18	13.76	0	0	1013.72
12/10/2018 20:47	0.03	7.2	13.82	0	0	1013.72
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13/10/2018 09:41	0.04	7.4	13.35	0	0	1013.72
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13/10/2018 16:07	0.06	7.6	12.67	0.03	0	1009.88
13/10/2018 17:25	0.07	7.85	12.55	0	0	1009.4
13/10/2018 18:42	0.06	7.89	12.58	0	0	1009.4

13/10/2018 20:00	0.04	7.93	12.68	0.08	0	1009.88
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13/10/2018 23:53	0.04	7.92	12.87	0.03	0	1008.44
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14/10/2018 08:55	0.02	7.99	12.49	0.03	0	1004.6
14/10/2018 10:13	0.02	8	12.45	0	0	1004.12
14/10/2018 11:30	0.03	8.03	12.76	0	0	1005.08
14/10/2018 12:48	0.03	7.76	12.92	0	0	1004.6
14/10/2018 14:05	0.01	7.83	12.94	0	0	1004.6
14/10/2018 15:23	0.02	7.75	13.13	0	0	1005.56
14/10/2018 16:40	0.02	7.68	13.28	0	0	1006.04
14/10/2018 17:58	0.02	7.59	13.4	0	0	1006.04
14/10/2018 19:15	0.03	7.6	13.44	0	0	1007
14/10/2018 20:33	0.02	7.57	13.45	0	0	1007
14/10/2018 21:50	0.02	7.54	13.39	0	0	1007
14/10/2018 23:08	0.01	7.48	13.38	0	0	1007
15/10/2018 00:25	0.02	7.34	13.56	0	0	1007.48
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15/10/2018 04:17	0.02	7.66	13.17	0	0	1007
15/10/2018 05:35	0.02	7.87	13.13	0	0	1007.48
15/10/2018 06:52	0.03	7.73	13.18	0	0	1007.48
15/10/2018 08:10	0.01	7.76	13.25	0	0	1008.44
15/10/2018 09:27	0.02	7.93	13.43	0	0	1008.92
15/10/2018 10:44	0.02	7.7	13.58	0	0	1009.88
15/10/2018 12:02	0.02	7.59	13.69	0	0	1011.32
15/10/2018 13:17	0.04	7.45	13.81	0	0	1011.32
15/10/2018 14:32	0.04	7.45	13.96	0.03	0	1012.28
15/10/2018 15:50	0.09	7.32	14.01	0	0	1012.28
15/10/2018 17:06	0.06	7.21	14.1	0	0	1012.76
15/10/2018 18:24	0.06	7.19	14.09	0	0	1013.72
15/10/2018 19:42	0.03	6.96	14.06	0	0	1013.72
15/10/2018 21:00	0.03	7.08	13.98	0	0	1014.2
15/10/2018 22:17	0.02	7.24	13.95	0	0	1014.68
15/10/2018 23:35	0.02	7.19	13.91	0	0	1015.16
16/10/2018 00:52	0.02	7.06	13.93	0	0	1015.16
16/10/2018 02:09	0.03	7.18	13.95	0	0	1015.16
16/10/2018 03:27	0.03	7.06	13.95	0	0	1014.68
16/10/2018 04:44	0.02	7.08	13.93	0	0	1014.68
16/10/2018 06:02	0.01	7	13.91	0	0	1015.16
16/10/2018 07:19	0.03	6.96	13.87	0	0	1015.16

16/10/2018 08:37	0.01	6.88	13.91	0.08	0	1016.12
16/10/2018 09:54	0.02	6.93	13.95	0	0	1016.6
16/10/2018 11:12	0.03	6.99	13.96	0	0	1016.6
16/10/2018 12:29	0.03	6.91	13.97	0	0	1017.08
16/10/2018 13:47	0.03	6.94	13.98	0.08	0	1017.56
16/10/2018 15:05	0.05	6.94	13.98	0	0	1017.08
16/10/2018 16:22	0.05	6.95	13.97	0	0	1017.56
16/10/2018 17:40	0.04	6.93	13.91	0	0	1018.04
16/10/2018 18:57	0.05	6.91	13.86	0	0	1018.04
16/10/2018 20:15	0.04	6.93	13.82	0	0	1018.52
16/10/2018 21:32	0.03	6.97	13.85	0	0	1019.01
16/10/2018 22:50	0.03	6.91	13.82	0	0	1019.01
17/10/2018 00:07	0.01	6.8	13.82	0	0	1018.52
17/10/2018 01:25	0.03	6.82	13.8	0	0	1018.52
17/10/2018 02:43	0.03	6.85	13.8	0	0	1018.04
17/10/2018 04:00	0.03	6.85	13.79	0	0	1018.04
17/10/2018 05:17	0.02	6.74	13.75	0	0	1018.52
17/10/2018 06:35	0.03	6.63	13.71	0	0	1018.52
17/10/2018 07:53	0.03	6.7	13.72	0	0	1019.01

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH107

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
26/09/2018 12:17	0	-0.03	1034.18
26/09/2018 13:35	0	-0.04	1033.7
26/09/2018 14:53	0	-0.03	1033.22
26/09/2018 16:11	0	-0.03	1032.74
26/09/2018 17:29	0	-0.02	1032.74
26/09/2018 18:47	0	-0.03	1032.74
26/09/2018 20:05	0	-0.04	1033.22
26/09/2018 21:23	0	-0.04	1033.22
26/09/2018 22:41	0	-0.04	1033.22
26/09/2018 23:59	0	-0.04	1032.74
27/09/2018 01:17	0	-0.04	1032.74
27/09/2018 02:34	0	-0.04	1032.26
27/09/2018 03:52	0	-0.05	1030.83
27/09/2018 05:10	0	-0.04	1030.35
27/09/2018 06:27	0	-0.04	1030.35
27/09/2018 07:45	0	-0.04	1029.87
27/09/2018 09:02	0	-0.04	1029.39
27/09/2018 10:19	0	-0.04	1028.92
27/09/2018 11:37	0	-0.04	1027.96
27/09/2018 12:55	0	-0.04	1027
27/09/2018 14:13	0.04	-0.03	1026.05
27/09/2018 15:31	0	-0.03	1025.09
27/09/2018 16:49	0	-0.03	1024.61
27/09/2018 18:06	0	-0.03	1025.09
27/09/2018 19:24	0	-0.04	1025.09
27/09/2018 20:42	0	-0.04	1025.09
27/09/2018 23:18	0	-0.04	1025.57
28/09/2018 00:36	0	-0.03	1026.05
28/09/2018 01:54	0.05	-0.03	1026.05
28/09/2018 03:11	0.05	-0.04	1026.05
28/09/2018 04:29	0.09	-0.02	1026.52
28/09/2018 05:46	0	-0.05	1027.48
28/09/2018 07:04	0.03	-0.02	1028.44
28/09/2018 08:21	0	-0.03	1029.87
28/09/2018 09:39	0.05	0	1030.35
28/09/2018 10:56	0.11	-0.02	1030.35
28/09/2018 12:14	0.06	0	1030.83
28/09/2018 13:32	0.18	-0.01	1030.35
28/09/2018 14:50	0.17	-0.02	1030.83

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28/09/2018 16:07	0.07	-0.02	1030.35
28/09/2018 17:25	0.06	-0.02	1030.83
28/09/2018 18:43	0	-0.04	1031.79
28/09/2018 20:01	0	-0.04	1032.26
28/09/2018 21:19	0	-0.05	1033.22
28/09/2018 22:37	0	-0.05	1033.7
28/09/2018 23:54	0	-0.05	1033.7
29/09/2018 01:12	0	-0.05	1032.74
29/09/2018 02:30	0	-0.04	1032.74
29/09/2018 03:47	0	-0.05	1032.26
29/09/2018 05:05	0.02	-0.04	1032.26
29/09/2018 06:22	0	-0.04	1032.26
29/09/2018 07:40	0.02	-0.06	1032.26
29/09/2018 08:57	0	-0.03	1031.31
29/09/2018 10:15	0.02	-0.02	1030.35
29/09/2018 11:32	0.04	-0.03	1029.87
29/09/2018 12:50	0.01	-0.04	1028.92
29/09/2018 14:08	0	-0.04	1028.44
29/09/2018 15:26	0	-0.04	1027
29/09/2018 16:44	0	-0.04	1026.05
29/09/2018 18:02	0	-0.04	1025.57
29/09/2018 19:20	0	-0.04	1025.09
29/09/2018 20:38	0	-0.05	1025.09
29/09/2018 21:56	0	-0.05	1025.09
29/09/2018 23:14	0	-0.05	1024.61
30/09/2018 00:32	0	-0.05	1024.61
30/09/2018 01:49	0	-0.05	1024.13
30/09/2018 04:25	0	-0.05	1022.7
30/09/2018 05:42	0	-0.05	1022.22
30/09/2018 07:00	0	-0.05	1022.22
30/09/2018 08:17	0	-0.05	1022.22
30/09/2018 09:35	0	-0.04	1021.74
30/09/2018 10:52	0	-0.03	1021.74
30/09/2018 12:10	0.01	0	1020.79
30/09/2018 13:27	0.01	-0.03	1020.31
30/09/2018 14:45	0.08	-0.04	1020.31
30/09/2018 16:03	0.01	-0.04	1019.83
30/09/2018 17:20	0	-0.04	1019.83
30/09/2018 18:38	0	-0.04	1020.79
30/09/2018 19:56	0	-0.04	1021.26
30/09/2018 21:14	0.02	-0.02	1022.22
30/09/2018 22:31	0.01	-0.05	1022.7
30/09/2018 23:49	0	-0.03	1023.66
01/10/2018 01:07	0	-0.04	1024.13
01/10/2018 02:25	0	-0.04	1024.13
01/10/2018 03:43	0	-0.05	1024.61
01/10/2018 05:00	0	-0.05	1025.09

01/10/2018 06:18	0	-0.04	1026.52
01/10/2018 07:35	0	-0.05	1027.48
01/10/2018 08:53	0.1	0	1028.44
01/10/2018 10:10	0.06	-0.02	1028.44
01/10/2018 11:28	0.07	-0.01	1028.92
01/10/2018 12:46	0.13	-0.02	1028.44
01/10/2018 14:04	0.08	-0.03	1028.44
01/10/2018 15:22	0.06	-0.03	1028.44
01/10/2018 16:40	0.06	-0.04	1027.48
01/10/2018 17:58	0	-0.04	1027.48
01/10/2018 19:16	0	-0.04	1027.48
01/10/2018 20:34	0	-0.05	1027.48
01/10/2018 21:52	0	-0.04	1027.48
01/10/2018 23:09	0.01	-0.04	1027
02/10/2018 00:27	0	-0.05	1026.52
02/10/2018 01:45	0.03	-0.04	1025.09
02/10/2018 03:02	0.04	-0.06	1023.66
02/10/2018 04:20	0	-0.04	1023.18
02/10/2018 05:37	0.07	-0.05	1022.22
02/10/2018 06:55	0.07	-0.02	1022.22
02/10/2018 08:12	0	-0.04	1022.22
02/10/2018 09:30	0.01	-0.03	1022.7
02/10/2018 10:47			1022.22
02/10/2018 12:04	0.01	-0.04	1022.22
02/10/2018 13:22			1021.74
02/10/2018 14:40	0	-0.04	1021.74
02/10/2018 15:57	0.09	-0.02	1022.22
02/10/2018 17:15	0.17	-0.03	1022.7
02/10/2018 18:33	0	-0.02	1023.18
02/10/2018 19:50	0.04	-0.05	1024.13
02/10/2018 21:08	0	-0.04	1024.61
02/10/2018 22:26	0	-0.05	1025.09
02/10/2018 23:43	0	-0.05	1025.57
03/10/2018 01:01	0	-0.05	1025.57
03/10/2018 02:19	0	-0.04	1026.52
03/10/2018 03:36	0	-0.05	1026.52
03/10/2018 04:54	0	-0.05	1027.48
03/10/2018 06:12	0	-0.04	1027.96
03/10/2018 07:29	0	-0.05	1028.92
03/10/2018 08:46	0	-0.05	1028.92
03/10/2018 10:04	0	-0.04	1029.39
03/10/2018 11:22	0	-0.04	1029.87
03/10/2018 12:39	0	-0.04	1029.39
03/10/2018 13:58	0	-0.04	1028.92
03/10/2018 15:15	0.08	-0.04	1028.44
03/10/2018 16:34	0.12	-0.03	1027.96
03/10/2018 17:51	0	-0.04	1027.96

03/10/2018 19:09	0	-0.04	1028.92
03/10/2018 20:27	0	-0.04	1028.92
03/10/2018 21:45	0	-0.04	1028.92
03/10/2018 23:03	0	-0.04	1028.92
04/10/2018 00:20	0	-0.04	1028.92
04/10/2018 01:38	0	-0.05	1028.92
04/10/2018 02:56			1028.44
04/10/2018 04:13	0	-0.04	1027.96
04/10/2018 05:31	0	-0.04	1027.48
04/10/2018 06:48	0	-0.05	1027.48
04/10/2018 08:06	0	-0.04	1027.48
04/10/2018 09:23	0	-0.04	1027.96
04/10/2018 10:41	0	-0.04	1027.48
04/10/2018 11:58	0	-0.05	1027
04/10/2018 13:16	0.01	-0.04	1026.05
04/10/2018 14:33			1025.57
04/10/2018 15:50	0	-0.04	1024.61
04/10/2018 17:08	0	-0.04	1024.13
04/10/2018 18:25	0	-0.04	1023.66
04/10/2018 19:43	0	-0.04	1023.18
04/10/2018 21:01	0	-0.04	1023.18
04/10/2018 22:19	0	-0.04	1022.7
04/10/2018 23:37	0	-0.05	1022.22
05/10/2018 00:54	0	-0.05	1021.26
05/10/2018 02:12	0	-0.05	1020.79
05/10/2018 03:29	0	-0.05	1019.83
05/10/2018 04:47	0	-0.04	1018.87
05/10/2018 06:05	0	-0.05	1018.39
05/10/2018 07:22	0	-0.05	1017.92
05/10/2018 08:40	0	-0.04	1017.92
05/10/2018 09:57	0	-0.03	1017.44
05/10/2018 11:14	0	-0.04	1016.48
05/10/2018 12:32	0	-0.03	1016.48
05/10/2018 13:50	0	-0.04	1015.53
05/10/2018 15:08	0	-0.04	1014.57
05/10/2018 16:26	0	-0.04	1014.09
05/10/2018 17:44	0	-0.04	1014.09
05/10/2018 19:02	0	-0.04	1014.09
05/10/2018 20:20	0	-0.04	1014.09
05/10/2018 21:38	0	-0.04	1013.61
05/10/2018 22:56	0	-0.04	1013.13
06/10/2018 00:13	0	-0.04	1012.66
06/10/2018 01:31	0	-0.04	1012.66
06/10/2018 02:49	0	-0.04	1011.22
06/10/2018 04:06	0	-0.04	1010.74
06/10/2018 05:24	0	-0.04	1009.79
06/10/2018 06:41	0	-0.02	1009.79

06/10/2018 07:59	0	-0.03	1009.79
06/10/2018 09:16	0.01	-0.03	1009.79
06/10/2018 10:34	0.02	-0.04	1009.79
06/10/2018 11:51	0.11	-0.02	1009.79
06/10/2018 13:09	0.08	-0.01	1009.79
06/10/2018 14:27	0.35	0	1010.26
06/10/2018 15:44	0.16	0.01	1010.74
06/10/2018 17:02	0.23	0	1010.26
06/10/2018 18:19	0.21	0	1011.7
06/10/2018 19:37	0.23	0.03	1013.13
06/10/2018 20:55	0.2	0.05	1014.57
06/10/2018 22:12	0.18	-0.01	1015.53
06/10/2018 23:30	0.27	0.01	1016
07/10/2018 02:05	0.2	-0.03	1018.39
07/10/2018 03:23	0.06	-0.04	1019.83
07/10/2018 04:40	0.08	-0.01	1021.74
07/10/2018 05:58	0	-0.06	1022.7
07/10/2018 08:33	0.03	-0.05	1024.13
07/10/2018 09:51	0.08	-0.01	1024.13
07/10/2018 11:09	0.08	-0.04	1024.13
07/10/2018 12:27	0.2	0.03	1023.66
07/10/2018 13:45	0.02	-0.03	1023.66
07/10/2018 15:03	0	-0.03	1023.66
07/10/2018 16:21	0	-0.04	1023.66
07/10/2018 17:38	0	-0.05	1023.66
07/10/2018 18:56	0	-0.05	1024.61
07/10/2018 20:14	0	-0.05	1025.09
07/10/2018 21:32	0	-0.05	1025.57
07/10/2018 22:50	0	-0.05	1025.09
08/10/2018 00:07	0	-0.05	1025.09
08/10/2018 01:25	0	-0.05	1024.61
08/10/2018 02:43	0	-0.05	1024.61
08/10/2018 04:01	0	-0.06	1024.13
08/10/2018 05:18	0	-0.05	1023.66
08/10/2018 06:36	0	-0.05	1023.66
08/10/2018 07:53	0	-0.06	1024.13
08/10/2018 09:11	0	-0.06	1024.61
08/10/2018 10:28	0	-0.04	1024.61
08/10/2018 11:45	0	-0.05	1024.61
08/10/2018 13:02	0	-0.05	1023.66
08/10/2018 14:20	0	-0.03	1022.22
08/10/2018 15:38	0	-0.03	1021.74
08/10/2018 16:55	0.03	-0.05	1022.22
08/10/2018 18:13	0	-0.04	1021.74
08/10/2018 20:48	0	-0.05	1022.22
08/10/2018 22:06	0	-0.04	1022.22
08/10/2018 23:24	0	-0.05	1021.74

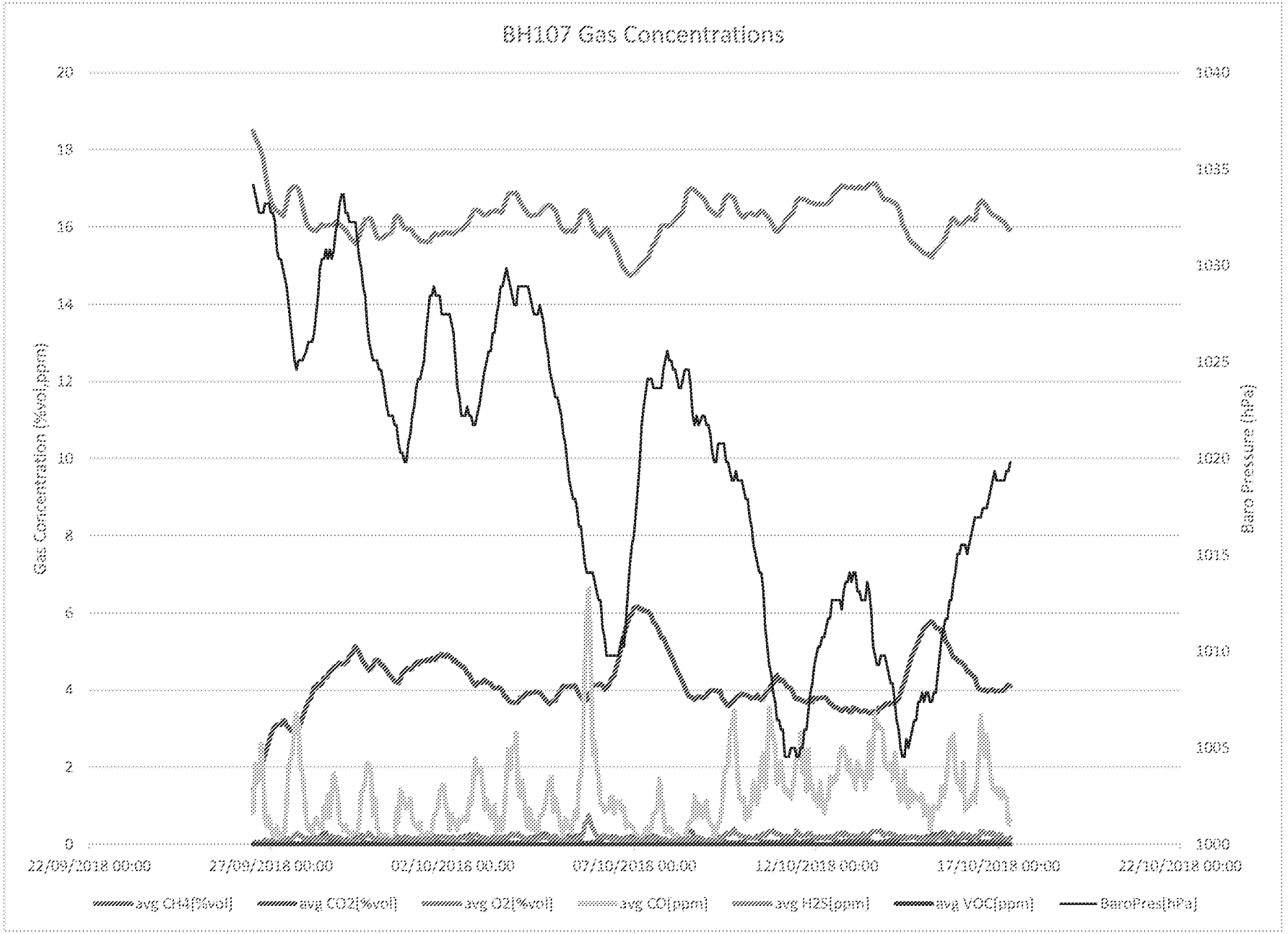
09/10/2018 00:41	0	-0.05	1021.74
09/10/2018 01:59	0	-0.04	1021.26
09/10/2018 03:17	0	-0.04	1020.31
09/10/2018 04:34	0	-0.05	1019.83
09/10/2018 05:52	0	-0.05	1019.83
09/10/2018 07:09	0	-0.05	1020.79
09/10/2018 08:27	0	-0.05	1020.79
09/10/2018 09:44	0	-0.04	1020.79
09/10/2018 11:02	0	-0.03	1020.79
09/10/2018 12:19	0	-0.04	1019.83
09/10/2018 13:37	0	-0.04	1019.83
09/10/2018 14:55	0	-0.04	1019.35
09/10/2018 16:13	0	-0.03	1018.87
09/10/2018 17:31	0	-0.04	1018.87
09/10/2018 18:49	0	-0.04	1019.35
09/10/2018 20:07	0	-0.04	1018.87
09/10/2018 21:25	0	-0.04	1018.87
09/10/2018 22:43	0	-0.05	1018.87
10/10/2018 00:00	0	-0.05	1018.39
10/10/2018 01:18	0	-0.05	1017.92
10/10/2018 02:36	0	-0.04	1017.92
10/10/2018 03:53	0	-0.04	1016.96
10/10/2018 05:11	0	-0.05	1016.48
10/10/2018 06:28	0	-0.05	1015.53
10/10/2018 07:46	0	-0.04	1015.05
10/10/2018 09:03	0	-0.05	1014.57
10/10/2018 10:20	0.02	-0.04	1014.09
10/10/2018 11:38	0.09	-0.02	1014.09
10/10/2018 12:56	0.11	0	1013.13
10/10/2018 14:14	0.04	-0.01	1011.22
10/10/2018 15:32	0.01	-0.03	1010.26
10/10/2018 16:50	0	-0.04	1009.31
10/10/2018 18:08	0.04	-0.03	1008.83
10/10/2018 19:26	0	-0.03	1007.87
10/10/2018 20:44	0.03	-0.04	1007.4
10/10/2018 22:01	0.03	-0.05	1006.44
10/10/2018 23:19	0	-0.05	1006.44
11/10/2018 00:37	0	-0.04	1005.96
11/10/2018 01:54	0	-0.04	1005.96
11/10/2018 03:12	0	-0.04	1004.53
11/10/2018 04:29	0.07	-0.04	1004.53
11/10/2018 05:47	0.05	-0.04	1004.53
11/10/2018 07:05	0	-0.06	1005
11/10/2018 08:22	0.27	-0.05	1005
11/10/2018 09:39	0.14	-0.06	1005
11/10/2018 10:57	0.03	-0.05	1004.53
11/10/2018 12:15	0.15	-0.05	1004.53

11/10/2018 13:33	0.15	-0.05	1005
11/10/2018 14:51	0.01	-0.06	1005
11/10/2018 16:08	0.03	-0.05	1005.96
11/10/2018 17:26	0.04	-0.03	1005.96
11/10/2018 18:44	0.01	-0.05	1006.92
11/10/2018 20:02	0	-0.05	1007.87
11/10/2018 21:19	0	-0.05	1008.35
11/10/2018 22:37	0	-0.04	1009.31
11/10/2018 23:54	0.03	-0.05	1009.79
12/10/2018 01:12			1010.26
12/10/2018 02:30	0	-0.04	1010.26
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12/10/2018 06:22	0.08	-0.06	1011.22
12/10/2018 07:40	0.04	-0.03	1011.7
12/10/2018 08:57	0.06	-0.04	1011.7
12/10/2018 10:15	0.21	-0.04	1012.66
12/10/2018 11:32	0.06	-0.04	1012.66
12/10/2018 12:49	0.16	-0.05	1012.66
12/10/2018 14:07	0.03	-0.04	1012.66
12/10/2018 15:24	0.11	-0.04	1012.66
12/10/2018 16:42	0.04	-0.04	1012.18
12/10/2018 18:00	0.08	-0.04	1013.13
12/10/2018 19:17	0.04	-0.03	1013.61
12/10/2018 20:35	0.01	-0.04	1013.61
12/10/2018 21:53	0.01	-0.04	1014.09
12/10/2018 23:10	0.09	-0.05	1013.61
13/10/2018 00:28	0.02	-0.05	1014.09
13/10/2018 01:46	0.07	-0.05	1014.09
13/10/2018 03:03	0	-0.05	1013.13
13/10/2018 04:21	0	-0.05	1013.13
13/10/2018 05:38	0.03	-0.05	1012.66
13/10/2018 06:56	0.1	-0.04	1012.66
13/10/2018 08:13	0.03	-0.03	1012.66
13/10/2018 09:30	0	-0.04	1013.61
13/10/2018 10:48	0.02	-0.05	1013.13
13/10/2018 12:05	0	-0.04	1012.18
13/10/2018 13:23	0.11	-0.04	1010.26
13/10/2018 14:40	0.03	-0.03	1009.79
13/10/2018 15:58	0.02	-0.04	1009.31
13/10/2018 17:16	0	-0.05	1009.31
13/10/2018 18:34	0	-0.04	1009.79
13/10/2018 19:52	0	-0.05	1009.79
13/10/2018 21:09	0.01	-0.04	1009.79
13/10/2018 22:27	0	-0.06	1009.31
13/10/2018 23:45	0	-0.04	1008.83
14/10/2018 01:02	0	-0.04	1008.35

14/10/2018 02:20	0	-0.04	1008.35
14/10/2018 03:37	0	-0.04	1007.4
14/10/2018 04:55	0	-0.04	1006.44
14/10/2018 06:13	0	-0.04	1005.96
14/10/2018 07:30	0.03	-0.03	1005
14/10/2018 08:48	0.06	-0.02	1004.53
14/10/2018 10:05	0	-0.04	1004.53
14/10/2018 11:23	0.12	-0.01	1005.48
14/10/2018 12:41	0.05	0	1005
14/10/2018 13:58	0.51	-0.03	1005.48
14/10/2018 15:16	0.11	-0.01	1005.96
14/10/2018 16:33	0.1	0.01	1006.44
14/10/2018 17:51	0.15	0.01	1006.44
14/10/2018 19:09	0.16	0.04	1007.4
14/10/2018 20:26	0.19	0.01	1007.4
14/10/2018 21:44	0.2	0.02	1007.87
14/10/2018 23:01	0.2	0.03	1007.4
15/10/2018 00:19	0.15	-0.01	1007.87
15/10/2018 01:37	0.08	0	1007.87
15/10/2018 02:54	0.08	-0.01	1007.4
15/10/2018 04:12	0.12	0	1007.4
15/10/2018 05:29			1007.87
15/10/2018 06:47	0	-0.03	1007.87
15/10/2018 08:05	0.06	0	1008.83
15/10/2018 09:22	0.01	-0.04	1009.79
15/10/2018 10:39	0.01	-0.04	1010.74
15/10/2018 11:57	0	-0.01	1011.22
15/10/2018 13:14	0	-0.02	1011.7
15/10/2018 14:32	0	-0.04	1011.7
15/10/2018 15:50	0	-0.05	1012.66
15/10/2018 17:07	0	-0.04	1012.66
15/10/2018 18:25	0	-0.04	1013.61
15/10/2018 19:43	0	-0.05	1014.09
15/10/2018 21:01	0	-0.04	1015.05
15/10/2018 22:18	0	-0.04	1015.05
15/10/2018 23:36	0	-0.04	1015.53
16/10/2018 00:54	0	-0.04	1015.53
16/10/2018 02:11	0	-0.04	1015.53
16/10/2018 03:29	0	-0.05	1015.05
16/10/2018 04:46	0	-0.05	1015.53
16/10/2018 07:22	0	-0.05	1016.48
16/10/2018 08:39	0	-0.05	1016.96
16/10/2018 09:57	0	-0.04	1016.96
16/10/2018 11:14	0.02	-0.04	1016.96
16/10/2018 12:32	0.02	-0.05	1016.96
16/10/2018 13:50	0.01	-0.04	1017.44
16/10/2018 15:08	0	-0.04	1017.44

16/10/2018 16:25	0	-0.04	1017.44
16/10/2018 17:43	0	-0.04	1017.92
16/10/2018 19:01	0	-0.04	1018.39
16/10/2018 20:19	0.03	-0.04	1018.87
16/10/2018 21:36	0	-0.04	1019.35
16/10/2018 22:54	0	-0.05	1018.87
17/10/2018 00:12			1018.87
17/10/2018 01:29	0	-0.04	1018.87
17/10/2018 02:47			1018.87
17/10/2018 04:04	0	-0.04	1018.87
17/10/2018 05:23	0	-0.05	1019.35
17/10/2018 06:41	0	-0.05	1019.35
17/10/2018 07:58	0	-0.05	1019.83

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH107

Time	avg CH4[%	avg CO2[%	avg O2[%v	avg CO[ppi	avg H2S[pp	avg VOC[p	BaroPres[hPa]
26/09/2018 12:17	0.04	1.41	18.48	0.81	0.04	0	1034.18
26/09/2018 13:35	0.02	1.56	18.32	2.11	0.06	0	1033.7
26/09/2018 14:53	0.03	1.79	18.21	1.63	0.03	0	1033.22
26/09/2018 16:11	0.03	1.9	18.1	1.71	0.06	0	1032.74
26/09/2018 17:29	0.01	2.04	17.95	2.59	0.04	0	1032.74
26/09/2018 18:47	0.02	2.17	17.78	1.83	0.08	0	1032.74
26/09/2018 20:05	0.03	2.31	17.45	0.64	0.12	0	1033.22
26/09/2018 21:23	0.02	2.52	17.12	0.46	0.08	0	1033.22
26/09/2018 22:41	0.04	2.67	16.89	0.72	0.09	0	1033.22
26/09/2018 23:59	0.06	2.86	16.67	0.45	0.12	0	1032.74
27/09/2018 01:17	0.05	2.96	16.55	0.22	0.06	0	1032.74
27/09/2018 02:34	0.05	3.07	16.46	0.22	0.08	0	1032.26
27/09/2018 03:52	0.07	3.09	16.42	0.48	0.06	0	1030.83
27/09/2018 05:10	0.08	3.11	16.38	0.15	0.05	0	1030.35
27/09/2018 06:27	0.12	3.1	16.32	0.28	0.06	0	1030.35
27/09/2018 07:45	0.11	3.21	16.29	0.09	0.09	0	1029.87
27/09/2018 09:02	0.15	3.21	16.41	0.33	0.09	0	1029.39
27/09/2018 10:19	0.17	3.08	16.64	1.05	0.17	0	1028.92
27/09/2018 11:37	0.12	3.03	16.87	2.02	0.15	0	1027.96
27/09/2018 12:55	0.04	2.95	17	2.23	0.15	0	1027
27/09/2018 14:13	0.05	2.93	17.04	2.39	0.19	0	1026.05
27/09/2018 15:31	0.03	2.86	17.05	3.19	0.25	0	1025.09
27/09/2018 16:49	0.03	2.91	17.05	3.39	0.3	0	1024.61
27/09/2018 18:06	0.02	3	17	3.15	0.23	0	1025.09
27/09/2018 19:24	0.02	3.11	16.82	1.99	0.25	0	1025.09
27/09/2018 20:42	0.03	3.29	16.55	1.91	0.21	0	1025.09
27/09/2018 23:18	0.03	3.58	16.12	0.65	0.08	0	1025.57
28/09/2018 00:36	0.08	3.7	16.01	0.36	0.17	0	1026.05
28/09/2018 01:54	0.13	3.74	15.96	0.49	0.17	0	1026.05
28/09/2018 03:11	0.17	3.91	15.93	0.24	0.17	0	1026.05
28/09/2018 04:29	0.19	4.08	15.9	0.54	0.12	0	1026.52
28/09/2018 05:46	0.17	4.05	15.91	0.69	0.15	0	1027.48
28/09/2018 07:04	0.19	4.16	15.96	0.56	0.12	0	1028.44
28/09/2018 08:21	0.23	4.12	16.05	0.42	0.19	0	1029.87
28/09/2018 09:39	0.28	4.18	16.07	0.42	0.12	0	1030.35
28/09/2018 10:56	0.28	4.32	16.03	1.01	0.15	0	1030.35
28/09/2018 12:14	0.31	4.32	16.03	0.68	0.15	0	1030.83
28/09/2018 13:32	0.16	4.37	16.05	1.31	0.21	0	1030.35
28/09/2018 14:50	0.11	4.51	16.05	0.69	0.19	0	1030.83
28/09/2018 16:07	0.09	4.51	16.05	1.43	0.23	0	1030.35
28/09/2018 17:25	0.07	4.62	16.07	1.83	0.19	0	1030.83

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28/09/2018 18:43	0.04	4.59	16.14	1.59	0.17	0	1031.79
28/09/2018 20:01	0.07	4.65	16.13	1.25	0.19	0	1032.26
28/09/2018 21:19	0.07	4.71	16.05	0.53	0.17	0	1033.22
28/09/2018 22:37	0.07	4.67	16.03	0.53	0.15	0	1033.7
28/09/2018 23:54	0.09	4.67	15.98	0.36	0.07	0	1033.7
29/09/2018 01:12	0.11	4.73	15.92	0.49	0.07	0	1032.74
29/09/2018 02:30	0.12	4.76	15.85	0.34	0.08	0	1032.74
29/09/2018 03:47	0.13	4.87	15.77	0.21	0.1	0	1032.26
29/09/2018 05:05	0.16	4.92	15.69	0.32	0.1	0	1032.26
29/09/2018 06:22	0.16	5.03	15.65	0.25	0.08	0	1032.26
29/09/2018 07:40	0.17	5.13	15.57	0.32	0.09	0	1032.26
29/09/2018 08:57	0.22	5.05	15.63	0.3	0.15	0	1031.31
29/09/2018 10:15	0.24	4.97	15.79	0.61	0.19	0	1030.35
29/09/2018 11:32	0.25	4.84	15.92	1.35	0.21	0	1029.87
29/09/2018 12:50	0.07	4.73	16.07	1.43	0.19	0	1028.92
29/09/2018 14:08	0.05	4.66	16.19	1.63	0.21	0	1028.44
29/09/2018 15:26	0.05	4.59	16.21	2.11	0.21	0	1027
29/09/2018 16:44	0.03	4.51	16.23	2.06	0.3	0	1026.05
29/09/2018 18:02	0.04	4.54	16.22	1.87	0.25	0	1025.57
29/09/2018 19:20	0.03	4.66	16.07	0.75	0.15	0	1025.09
29/09/2018 20:38	0.03	4.76	15.87	1.21	0.17	0	1025.09
29/09/2018 21:56	0.06	4.79	15.73	0.5	0.17	0	1025.09
29/09/2018 23:14	0.06	4.76	15.7	0.28	0.1	0	1024.61
30/09/2018 00:32	0.05	4.65	15.71	0.26	0.06	0	1024.61
30/09/2018 01:49	0.09	4.65	15.74	0.21	0.12	0	1024.13
30/09/2018 04:25	0.09	4.51	15.79	0.25	0.12	0	1022.7
30/09/2018 05:42	0.09	4.41	15.82	0.18	0.1	0	1022.22
30/09/2018 07:00	0.09	4.37	15.86	0.09	0.09	0	1022.22
30/09/2018 08:17	0.13	4.3	15.93	0.09	0.07	0	1022.22
30/09/2018 09:35	0.16	4.23	16.2	0.06	0.12	0	1021.74
30/09/2018 10:52	0.18	4.21	16.3	0.91	0.15	0	1021.74
30/09/2018 12:10	0.15	4.18	16.27	0.56	0.21	0	1020.79
30/09/2018 13:27	0.07	4.29	16.2	1.43	0.15	0	1020.31
30/09/2018 14:45	0.06	4.46	16.05	1.27	0.18	0	1020.31
30/09/2018 16:03	0.06	4.47	15.96	1.09	0.21	0	1019.83
30/09/2018 17:20	0.07	4.55	15.94	0.93	0.15	0	1019.83
30/09/2018 18:38	0.07	4.57	15.96	1.01	0.19	0	1020.79
30/09/2018 19:56	0.06	4.53	15.94	1.19	0.12	0	1021.26
30/09/2018 21:14	0.08	4.55	15.9	0.67	0.15	0	1022.22
30/09/2018 22:31	0.08	4.63	15.8	0.52	0.12	0	1022.7
30/09/2018 23:49	0.1	4.73	15.76	0.48	0.17	0	1023.66
01/10/2018 01:07	0.08	4.67	15.72	0.38	0.16	0	1024.13
01/10/2018 02:25	0.12	4.75	15.64	0.57	0.12	0	1024.13
01/10/2018 03:43	0.11	4.75	15.63	0.1	0.12	0	1024.61
01/10/2018 05:00	0.15	4.76	15.63	0.24	0.16	0	1025.09
01/10/2018 06:18	0.12	4.76	15.62	0.24	0.15	0	1026.52
01/10/2018 07:35	0.14	4.79	15.61	0.3	0.06	0	1027.48

01/10/2018 08:53	0.18	4.76	15.63	0.26	0.1	0	1028.44
01/10/2018 10:10	0.2	4.83	15.73	0.33	0.1	0	1028.44
01/10/2018 11:28	0.22	4.8	15.79	0.73	0.21	0	1028.92
01/10/2018 12:46	0.11	4.78	15.84	0.84	0.17	0	1028.44
01/10/2018 14:04	0.08	4.87	15.8	0.91	0.21	0	1028.44
01/10/2018 15:22	0.06	4.88	15.8	1.35	0.19	0	1028.44
01/10/2018 16:40	0.05	4.94	15.83	1.49	0.21	0	1027.48
01/10/2018 17:58	0.05	4.88	15.86	1.55	0.21	0	1027.48
01/10/2018 19:16	0.05	4.87	15.87	1.03	0.19	0	1027.48
01/10/2018 20:34	0.07	4.92	15.85	0.83	0.1	0	1027.48
01/10/2018 21:52	0.09	4.87	15.83	0.36	0.18	0	1027.48
01/10/2018 23:09	0.11	4.84	15.85	0.79	0.12	0	1027
02/10/2018 00:27	0.1	4.74	15.82	0.61	0.19	0	1026.52
02/10/2018 01:45	0.12	4.78	15.84	0.55	0.15	0	1025.09
02/10/2018 03:02	0.16	4.69	15.89	0.38	0.15	0	1023.66
02/10/2018 04:20	0.19	4.68	15.93	0.65	0.12	0	1023.18
02/10/2018 05:37	0.19	4.61	15.95	0.56	0.17	0	1022.22
02/10/2018 06:55	0.19	4.61	15.98	0.71	0.17	0	1022.22
02/10/2018 08:12	0.22	4.55	16.02	0.61	0.15	0	1022.22
02/10/2018 09:30	0.21	4.43	16.1	0.65	0.19	0	1022.7
02/10/2018 10:47	0.27	4.42	16.18	1.17	0.1	0	1022.22
02/10/2018 12:04	0.21	4.29	16.29	1.05	0.21	0	1022.22
02/10/2018 13:22	0.09	4.2	16.39	1.55	0.21	0	1021.74
02/10/2018 14:40	0.08	4.12	16.45	2.23	0.25	0	1021.74
02/10/2018 15:57	0.07	4.19	16.44	1.87	0.27	0	1022.22
02/10/2018 17:15	0.04	4.19	16.43	1.91	0.19	0	1022.7
02/10/2018 18:33	0.05	4.19	16.39	1.99	0.21	0	1023.18
02/10/2018 19:50	0.08	4.25	16.32	1.47	0.12	0	1024.13
02/10/2018 21:08	0.09	4.26	16.3	0.91	0.19	0	1024.61
02/10/2018 22:26	0.07	4.19	16.34	1.17	0.1	0	1025.09
02/10/2018 23:43	0.11	4.19	16.35	0.92	0.15	0	1025.57
03/10/2018 01:01	0.11	4.17	16.39	0.69	0.15	0	1025.57
03/10/2018 02:19	0.11	4.08	16.41	0.68	0.21	0	1026.52
03/10/2018 03:36	0.12	4.05	16.42	1.03	0.12	0	1026.52
03/10/2018 04:54	0.11	4.05	16.43	0.18	0.17	0	1027.48
03/10/2018 06:12	0.11	4.07	16.41	0.69	0.15	0	1027.96
03/10/2018 07:29	0.1	4.04	16.37	0.69	0.18	0	1028.92
03/10/2018 08:46	0.19	3.98	16.43	0.36	0.17	0	1028.92
03/10/2018 10:04	0.18	3.83	16.57	0.95	0.21	0	1029.39
03/10/2018 11:22	0.1	3.83	16.72	1.67	0.17	0	1029.87
03/10/2018 12:39	0.06	3.73	16.84	2.47	0.2	0	1029.39
03/10/2018 13:58	0.02	3.69	16.88	1.95	0.19	0	1028.92
03/10/2018 15:15	0.05	3.69	16.88	2.54	0.28	0	1028.44
03/10/2018 16:34	0.04	3.67	16.88	2.47	0.23	0	1027.96
03/10/2018 17:51	0.04	3.68	16.89	2.91	0.23	0	1027.96
03/10/2018 19:09	0.05	3.7	16.78	1.45	0.3	0	1028.92
03/10/2018 20:27	0.05	3.81	16.64	1.21	0.21	0	1028.92

03/10/2018 21:45	0.07	3.82	16.57	1.65	0.21	0	1028.92
03/10/2018 23:03	0.07	3.86	16.48	1.21	0.12	0	1028.92
04/10/2018 00:20	0.09	3.93	16.41	0.65	0.15	0	1028.92
04/10/2018 01:38	0.09	3.9	16.32	0.44	0.17	0	1028.92
04/10/2018 02:56	0.12	3.93	16.3	0.93	0.19	0	1028.44
04/10/2018 04:13	0.15	3.93	16.28	0.39	0.12	0	1027.96
04/10/2018 05:31	0.19	3.94	16.32	0.59	0.1	0	1027.48
04/10/2018 06:48	0.2	3.96	16.32	0.38	0.08	0	1027.48
04/10/2018 08:06	0.2	3.94	16.32	0.32	0.17	0	1027.48
04/10/2018 09:23	0.23	3.94	16.37	0.77	0.15	0	1027.96
04/10/2018 10:41	0.27	3.88	16.44	0.75	0.21	0	1027.48
04/10/2018 11:58	0.28	3.81	16.48	0.91	0.17	0	1027
04/10/2018 13:16	0.28	3.74	16.54	1.07	0.17	0	1026.05
04/10/2018 14:33	0.24	3.69	16.57	1.41	0.21	0	1025.57
04/10/2018 15:50	0.14	3.64	16.57	1.67	0.17	0	1024.61
04/10/2018 17:08	0.11	3.67	16.55	1.75	0.15	0	1024.13
04/10/2018 18:25	0.09	3.72	16.48	0.85	0.19	0	1023.66
04/10/2018 19:43	0.08	3.73	16.43	1.23	0.23	0	1023.18
04/10/2018 21:01	0.06	3.85	16.28	0.97	0.15	0	1023.18
04/10/2018 22:19	0.08	3.95	16.09	0.68	0.12	0	1022.7
04/10/2018 23:37	0.08	4.01	15.99	0.38	0.08	0	1022.22
05/10/2018 00:54	0.1	4.11	15.92	0.2	0.1	0	1021.26
05/10/2018 02:12	0.11	4.09	15.88	0.68	0.1	0	1020.79
05/10/2018 03:29	0.13	4.09	15.87	0.56	0.15	0	1019.83
05/10/2018 04:47	0.22	4.11	15.92	0.46	0.08	0	1018.87
05/10/2018 06:05	0.2	4.08	15.91	0.3	0.1	0	1018.39
05/10/2018 07:22	0.2	4.12	15.88	0.57	0.08	0	1017.92
05/10/2018 08:40	0.21	4.12	15.93	0.85	0.09	0	1017.92
05/10/2018 09:57	0.22	4.01	16.02	0.67	0.19	0	1017.44
05/10/2018 11:14	0.24	3.89	16.13	1.57	0.19	0	1016.48
05/10/2018 12:32	0.08	3.83	16.34	1.83	0.19	0	1016.48
05/10/2018 13:50	0.04	3.76	16.39	2.54	0.25	0	1015.53
05/10/2018 15:08	0.03	3.74	16.43	4.63	0.52	0	1014.57
05/10/2018 16:26	0.04	3.74	16.43	6.07	0.56	0	1014.09
05/10/2018 17:44	0.03	3.87	16.35	6.63	0.76	0	1014.09
05/10/2018 19:02	0.03	3.97	16.18	4.79	0.54	0	1014.09
05/10/2018 20:20	0.06	4.09	15.98	2.35	0.41	0	1014.09
05/10/2018 21:38	0.05	4.13	15.87	2.67	0.32	0	1013.61
05/10/2018 22:56	0.08	4.13	15.81	1.99	0.23	0	1013.13
06/10/2018 00:13	0.09	4.13	15.78	1.75	0.17	0	1012.66
06/10/2018 01:31	0.1	4.17	15.76	1.03	0.21	0	1012.66
06/10/2018 02:49	0.17	4.12	15.86	1.05	0.19	0	1011.22
06/10/2018 04:06	0.22	4.01	15.95	0.83	0.25	0	1010.74
06/10/2018 05:24	0.19	4.04	15.98	0.96	0.17	0	1009.79
06/10/2018 06:41	0.17	4.13	15.89	0.91	0.19	0	1009.79
06/10/2018 07:59	0.19	4.23	15.78	1.19	0.15	0	1009.79
06/10/2018 09:16	0.2	4.34	15.65	1.23	0.12	0	1009.79

06/10/2018 10:34	0.21	4.38	15.55	0.81	0.17	0	1009.79
06/10/2018 11:51	0.2	4.59	15.47	1.12	0.19	0	1009.79
06/10/2018 13:09	0.16	4.76	15.32	1.03	0.12	0	1009.79
06/10/2018 14:27	0.13	4.98	15.14	1.11	0.17	0	1010.26
06/10/2018 15:44	0.16	5.25	15	0.84	0.08	0	1010.74
06/10/2018 17:02	0.16	5.42	14.91	0.99	0.12	0	1010.26
06/10/2018 18:19	0.18	5.63	14.85	0.44	0.09	0	1011.7
06/10/2018 19:37	0.17	5.78	14.78	0.49	0.19	0	1013.13
06/10/2018 20:55	0.19	5.92	14.74	0.53	0.15	0	1014.57
06/10/2018 22:12	0.21	5.98	14.76	0.48	0.12	0	1015.53
06/10/2018 23:30	0.19	6.12	14.8	0.34	0.12	0	1016
07/10/2018 02:05	0.18	6.17	14.89	0.25	0.1	0	1018.39
07/10/2018 03:23	0.15	6.1	14.97	0.2	0.12	0	1019.83
07/10/2018 04:40	0.16	6.11	15.02	0.21	0.09	0	1021.74
07/10/2018 05:58	0.13	6.05	15.08	0.28	0.12	0	1022.7
07/10/2018 08:33	0.2	6.05	15.17	0.45	0.08	0	1024.13
07/10/2018 09:51	0.22	5.99	15.32	0.3	0.17	0	1024.13
07/10/2018 11:09	0.24	5.92	15.45	0.45	0.16	0	1024.13
07/10/2018 12:27	0.22	5.75	15.56	0.83	0.12	0	1023.66
07/10/2018 13:45	0.12	5.73	15.63	0.81	0.15	0	1023.66
07/10/2018 15:03	0.08	5.63	15.73	0.97	0.21	0	1023.66
07/10/2018 16:21	0.05	5.51	15.87	1.71	0.15	0	1023.66
07/10/2018 17:38	0.04	5.36	16.01	1.19	0.15	0	1023.66
07/10/2018 18:56	0.06	5.36	16.04	0.8	0.12	0	1024.61
07/10/2018 20:14	0.05	5.25	16.04	0.34	0.15	0	1025.09
07/10/2018 21:32	0.05	5.09	16.02	0.37	0.09	0	1025.57
07/10/2018 22:50	0.07	5	16.04	0.44	0.1	0	1025.09
08/10/2018 00:07	0.09	4.88	16.05	0.42	0.08	0	1025.09
08/10/2018 01:25	0.08	4.78	16.11	0.11	0.08	0	1024.61
08/10/2018 02:43	0.09	4.63	16.17	0.1	0.08	0	1024.61
08/10/2018 04:01	0.1	4.51	16.23	0.26	0.07	0	1024.13
08/10/2018 05:18	0.11	4.41	16.3	0.09	0.15	0	1023.66
08/10/2018 06:36	0.15	4.3	16.34	0.11	0.07	0	1023.66
08/10/2018 07:53	0.16	4.2	16.43	0.17	0.15	0	1024.13
08/10/2018 09:11	0.19	4.07	16.64	0.19	0.09	0	1024.61
08/10/2018 10:28	0.28	3.94	16.89	0.38	0.09	0	1024.61
08/10/2018 11:45	0.32	3.84	16.98	0.55	0.17	0	1024.61
08/10/2018 13:02	0.35	3.83	17	0.61	0.1	0	1023.66
08/10/2018 14:20	0.32	3.8	16.97	0.72	0.16	0	1022.22
08/10/2018 15:38	0.11	3.75	16.97	1.27	0.15	0	1021.74
08/10/2018 16:55	0.11	3.78	16.91	0.69	0.17	0	1022.22
08/10/2018 18:13	0.08	3.84	16.86	1.07	0.19	0	1021.74
08/10/2018 20:48	0.09	3.8	16.78	0.69	0.15	0	1022.22
08/10/2018 22:06	0.07	3.81	16.72	0.99	0.07	0	1022.22
08/10/2018 23:24	0.09	3.84	16.62	1.14	0.06	0	1021.74
09/10/2018 00:41	0.13	3.96	16.47	0.63	0.12	0	1021.74
09/10/2018 01:59	0.13	3.97	16.46	0.57	0.12	0	1021.26

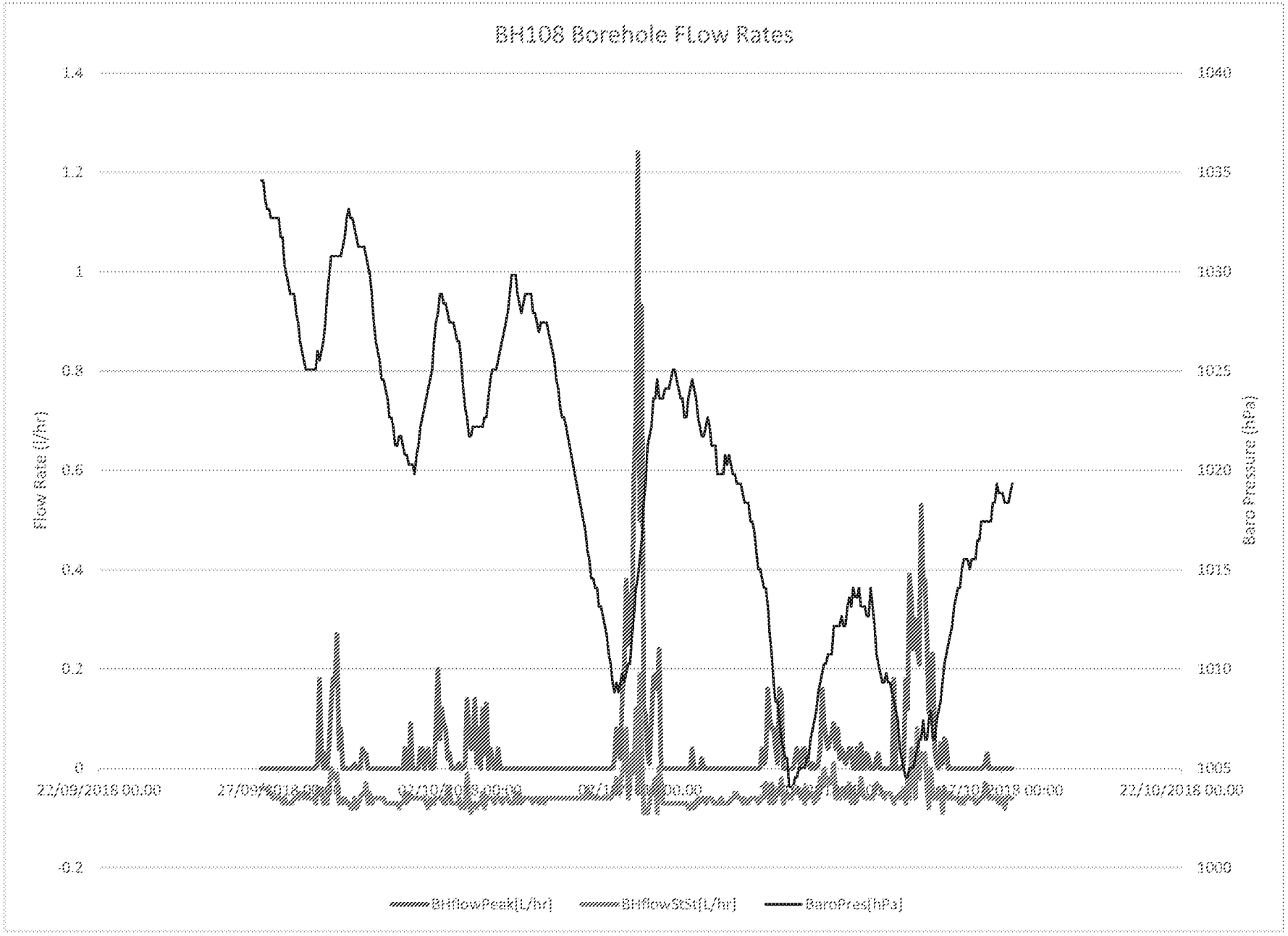
09/10/2018 03:17	0.12	4	16.39	0.49	0.1	0	1020.31
09/10/2018 04:34	0.12	3.99	16.37	0.02	0.08	0	1019.83
09/10/2018 05:52	0.11	3.99	16.3	0.37	0.09	0	1019.83
09/10/2018 07:09	0.14	3.96	16.3	0.53	0.12	0	1020.79
09/10/2018 08:27	0.19	3.98	16.36	0.61	0.1	0	1020.79
09/10/2018 09:44	0.21	3.78	16.48	0.99	0.17	0	1020.79
09/10/2018 11:02	0.11	3.74	16.66	1.79	0.19	0	1020.79
09/10/2018 12:19	0.06	3.64	16.8	1.99	0.28	0	1019.83
09/10/2018 13:37	0.03	3.59	16.84	1.99	0.3	0	1019.83
09/10/2018 14:55	0.05	3.64	16.82	2.91	0.25	0	1019.35
09/10/2018 16:13	0.04	3.67	16.79	3.07	0.28	0	1018.87
09/10/2018 17:31	0.05	3.72	16.76	3.47	0.41	0	1018.87
09/10/2018 18:49	0.02	3.82	16.62	2.67	0.28	0	1019.35
09/10/2018 20:07	0.05	3.85	16.45	1.73	0.28	0	1018.87
09/10/2018 21:25	0.06	3.85	16.34	1.19	0.21	0	1018.87
09/10/2018 22:43	0.06	3.91	16.28	1.11	0.23	0	1018.87
10/10/2018 00:00	0.08	3.88	16.26	1.23	0.21	0	1018.39
10/10/2018 01:18	0.16	3.87	16.3	0.63	0.19	0	1017.92
10/10/2018 02:36	0.19	3.86	16.32	0.99	0.21	0	1017.92
10/10/2018 03:53	0.18	3.82	16.36	0.73	0.19	0	1016.96
10/10/2018 05:11	0.16	3.78	16.36	1.19	0.17	0	1016.48
10/10/2018 06:28	0.17	3.81	16.32	1.63	0.17	0	1015.53
10/10/2018 07:46	0.16	3.8	16.32	1.31	0.17	0	1015.05
10/10/2018 09:03	0.22	3.88	16.3	1.03	0.21	0	1014.57
10/10/2018 10:20	0.16	3.78	16.36	1.51	0.19	0	1014.09
10/10/2018 11:38	0.09	3.74	16.42	2.15	0.21	0	1014.09
10/10/2018 12:56	0.06	3.78	16.39	2.35	0.28	0	1013.13
10/10/2018 14:14	0.03	3.91	16.32	1.45	0.21	0	1011.22
10/10/2018 15:32	0.07	3.98	16.27	2.23	0.27	0	1010.26
10/10/2018 16:50	0.05	4.01	16.21	3.55	0.34	0	1009.31
10/10/2018 18:08	0.07	4.13	16.14	3.11	0.32	0	1008.83
10/10/2018 19:26	0.05	4.15	16.03	2.79	0.36	0	1007.87
10/10/2018 20:44	0.05	4.28	15.9	2.54	0.3	0	1007.4
10/10/2018 22:01	0.06	4.4	15.88	1.55	0.27	0	1006.44
10/10/2018 23:19	0.07	4.24	15.91	1.99	0.28	0	1006.44
11/10/2018 00:37	0.09	4.28	16	2.15	0.25	0	1005.96
11/10/2018 01:54	0.09	4.26	16.05	1.63	0.19	0	1005.96
11/10/2018 03:12	0.14	4.19	16.14	1.35	0.17	0	1004.53
11/10/2018 04:29	0.13	4.09	16.2	1.43	0.23	0	1004.53
11/10/2018 05:47	0.11	4.07	16.26	1.27	0.19	0	1004.53
11/10/2018 07:05	0.14	4.05	16.3	1.19	0.21	0	1005
11/10/2018 08:22	0.13	3.95	16.37	1.49	0.19	0	1005
11/10/2018 09:39	0.1	3.81	16.51	1.83	0.21	0	1005
11/10/2018 10:57	0.07	3.76	16.66	2.47	0.36	0	1004.53
11/10/2018 12:15	0.04	3.79	16.75	2.19	0.3	0	1004.53
11/10/2018 13:33	0.04	3.75	16.73	2.91	0.21	0	1005
11/10/2018 14:51	0.05	3.73	16.72	1.87	0.23	0	1005

11/10/2018 16:08	0.08	3.7	16.71	2.43	0.23	0	1005.96
11/10/2018 17:26	0.07	3.68	16.7	1.37	0.25	0	1005.96
11/10/2018 18:44	0.09	3.71	16.64	2.47	0.28	0	1006.92
11/10/2018 20:02	0.11	3.77	16.64	1.45	0.3	0	1007.87
11/10/2018 21:19	0.09	3.69	16.63	1.55	0.21	0	1008.35
11/10/2018 22:37	0.13	3.8	16.61	1.14	0.17	0	1009.31
11/10/2018 23:54	0.16	3.77	16.59	1.31	0.19	0	1009.79
12/10/2018 01:12	0.15	3.79	16.59	0.99	0.19	0	1010.26
12/10/2018 02:30	0.17	3.8	16.6	1.63	0.21	0	1010.26
12/10/2018 03:47	0.17	3.8	16.6	1.11	0.19	0	1010.74
12/10/2018 05:05	0.17	3.81	16.59	0.81	0.15	0	1010.74
12/10/2018 06:22	0.18	3.8	16.6	1.11	0.21	0	1011.22
12/10/2018 07:40	0.17	3.73	16.64	1.14	0.21	0	1011.7
12/10/2018 08:57	0.18	3.65	16.69	1.77	0.21	0	1011.7
12/10/2018 10:15	0.19	3.64	16.77	1.53	0.15	0	1012.66
12/10/2018 11:32	0.11	3.56	16.85	1.75	0.23	0	1012.66
12/10/2018 12:49	0.07	3.56	16.91	1.67	0.17	0	1012.66
12/10/2018 14:07	0.07	3.53	16.98	1.87	0.28	0	1012.66
12/10/2018 15:24	0.07	3.49	17.04	2.31	0.25	0	1012.66
12/10/2018 16:42	0.05	3.46	17.07	2.54	0.3	0	1012.18
12/10/2018 18:00	0.07	3.49	17.07	2.5	0.23	0	1013.13
12/10/2018 19:17	0.09	3.53	17.03	2.27	0.3	0	1013.61
12/10/2018 20:35	0.09	3.5	17.02	1.91	0.25	0	1013.61
12/10/2018 21:53	0.09	3.43	17.02	2.19	0.21	0	1014.09
12/10/2018 23:10	0.09	3.45	17.05	1.79	0.23	0	1013.61
13/10/2018 00:28	0.09	3.55	17.02	1.79	0.23	0	1014.09
13/10/2018 01:46	0.11	3.51	17.01	1.43	0.21	0	1014.09
13/10/2018 03:03	0.09	3.5	17.01	2.15	0.21	0	1013.13
13/10/2018 04:21	0.1	3.45	17.05	1.79	0.23	0	1013.13
13/10/2018 05:38	0.1	3.44	17.02	1.91	0.19	0	1012.66
13/10/2018 06:56	0.11	3.46	17	1.75	0.28	0	1012.66
13/10/2018 08:13	0.1	3.47	17.02	1.43	0.21	0	1012.66
13/10/2018 09:30	0.09	3.44	17.09	1.87	0.23	0	1013.61
13/10/2018 10:48	0.08	3.4	17.1	2.67	0.19	0	1013.13
13/10/2018 12:05	0.07	3.4	17.11	1.71	0.28	0	1012.18
13/10/2018 13:23	0.06	3.46	17.12	2.67	0.34	0	1010.26
13/10/2018 14:40	0.04	3.42	17.14	3.39	0.34	0	1009.79
13/10/2018 15:58	0.04	3.42	17.07	2.99	0.34	0	1009.31
13/10/2018 17:16	0.05	3.54	16.98	3.11	0.34	0	1009.31
13/10/2018 18:34	0.06	3.54	16.86	3.03	0.36	0	1009.79
13/10/2018 19:52	0.07	3.58	16.76	2.91	0.23	0	1009.79
13/10/2018 21:09	0.09	3.63	16.71	2.06	0.25	0	1009.79
13/10/2018 22:27	0.08	3.65	16.72	1.95	0.28	0	1009.31
13/10/2018 23:45	0.09	3.63	16.71	2.06	0.27	0	1008.83
14/10/2018 01:02	0.11	3.67	16.69	2.11	0.3	0	1008.35
14/10/2018 02:20	0.11	3.66	16.64	1.67	0.23	0	1008.35
14/10/2018 03:37	0.12	3.69	16.63	2.39	0.25	0	1007.4

14/10/2018 04:55	0.12	3.69	16.57	2.06	0.21	0	1006.44
14/10/2018 06:13	0.12	3.78	16.48	1.31	0.19	0	1005.96
14/10/2018 07:30	0.15	3.92	16.32	1.11	0.2	0	1005
14/10/2018 08:48	0.15	4.09	16.07	1.63	0.17	0	1004.53
14/10/2018 10:05	0.18	4.21	15.96	1.91	0.23	0	1004.53
14/10/2018 11:23	0.15	4.4	15.9	1.14	0.19	0	1005.48
14/10/2018 12:41	0.17	4.59	15.73	0.97	0.15	0	1005
14/10/2018 13:58	0.2	4.75	15.64	1.41	0.17	0	1005.48
14/10/2018 15:16	0.18	4.93	15.58	1.11	0.21	0	1005.96
14/10/2018 16:33	0.2	5.01	15.57	1.33	0.21	0	1006.44
14/10/2018 17:51	0.15	5.14	15.51	1.19	0.15	0	1006.44
14/10/2018 19:09	0.18	5.25	15.47	1.14	0.14	0	1007.4
14/10/2018 20:26	0.16	5.39	15.42	1.19	0.15	0	1007.4
14/10/2018 21:44	0.17	5.48	15.37	1.31	0.12	0	1007.87
14/10/2018 23:01	0.18	5.63	15.32	0.76	0.19	0	1007.4
15/10/2018 00:19	0.21	5.66	15.3	0.76	0.12	0	1007.87
15/10/2018 01:37	0.21	5.72	15.31	1	0.12	0	1007.87
15/10/2018 02:54	0.22	5.76	15.24	0.36	0.15	0	1007.4
15/10/2018 04:12	0.24	5.78	15.22	0.63	0.08	0	1007.4
15/10/2018 05:29	0.27	5.72	15.34	1.01	0.12	0	1007.87
15/10/2018 06:47	0.26	5.61	15.43	0.97	0.15	0	1007.87
15/10/2018 08:05	0.22	5.61	15.47	0.91	0.15	0	1008.83
15/10/2018 09:22	0.25	5.59	15.53	1.07	0.21	0	1009.79
15/10/2018 10:39	0.28	5.48	15.59	1.51	0.21	0	1010.74
15/10/2018 11:57	0.32	5.52	15.64	1.23	0.1	0	1011.22
15/10/2018 13:14	0.28	5.27	15.76	1.49	0.3	0	1011.7
15/10/2018 14:32	0.08	5.2	15.92	2.02	0.25	0	1011.7
15/10/2018 15:50	0.07	5.11	16.01	2.71	0.21	0	1012.66
15/10/2018 17:07	0.07	4.97	16.17	2.54	0.3	0	1012.66
15/10/2018 18:25	0.05	4.84	16.23	2.87	0.3	0	1013.61
15/10/2018 19:43	0.06	4.84	16.18	1.91	0.21	0	1014.09
15/10/2018 21:01	0.11	4.78	16.1	1.59	0.21	0	1015.05
15/10/2018 22:18	0.13	4.72	16.07	1.63	0.21	0	1015.05
15/10/2018 23:36	0.17	4.73	16.09	1.39	0.19	0	1015.53
16/10/2018 00:54	0.17	4.66	16.12	2.11	0.28	0	1015.53
16/10/2018 02:11	0.17	4.63	16.18	0.87	0.21	0	1015.53
16/10/2018 03:29	0.2	4.47	16.22	1.04	0.23	0	1015.05
16/10/2018 04:46	0.12	4.48	16.25	1.01	0.25	0	1015.53
16/10/2018 07:22	0.11	4.36	16.19	1.35	0.17	0	1016.48
16/10/2018 08:39	0.2	4.34	16.17	1.09	0.17	0	1016.96
16/10/2018 09:57	0.2	4.12	16.41	1.59	0.23	0	1016.96
16/10/2018 11:14	0.11	4.03	16.59	2.31	0.21	0	1016.96
16/10/2018 12:32	0.05	4.01	16.69	3.35	0.34	0	1016.96
16/10/2018 13:50	0.05	3.99	16.67	2.59	0.34	0	1017.44
16/10/2018 15:08	0.07	4.01	16.6	2.27	0.27	0	1017.44
16/10/2018 16:25	0.07	3.97	16.53	2.83	0.27	0	1017.44
16/10/2018 17:43	0.06	3.98	16.44	2.27	0.32	0	1017.92

16/10/2018 19:01	0.08	4.01	16.37	1.79	0.25	0	1018.39
16/10/2018 20:19	0.11	4.01	16.32	1.47	0.3	0	1018.87
16/10/2018 21:36	0.08	3.97	16.3	1.43	0.27	0	1019.35
16/10/2018 22:54	0.15	3.98	16.27	1.33	0.17	0	1018.87
17/10/2018 00:12	0.13	3.98	16.23	1.47	0.19	0	1018.87
17/10/2018 01:29	0.12	3.98	16.18	1.19	0.27	0	1018.87
17/10/2018 02:47	0.17	4	16.16	1.43	0.19	0	1018.87
17/10/2018 04:04	0.11	3.99	16.14	1.23	0.15	0	1018.87
17/10/2018 05:23	0.08	4.07	16.03	1.23	0.15	0	1019.35
17/10/2018 06:41	0.1	4.13	15.93	0.52	0.12	0	1019.35
17/10/2018 07:58	0.17	4.11	15.93	0.65	0.15	0	1019.83

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH108

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
26/09/2018 11:58	0	-0.04	1034.59
26/09/2018 13:16	0	-0.04	1034.59
26/09/2018 14:33	0	-0.04	1033.64
26/09/2018 15:51	0	-0.04	1033.16
26/09/2018 17:08	0	-0.05	1033.16
26/09/2018 18:25	0	-0.05	1032.69
26/09/2018 19:43	0	-0.06	1032.69
26/09/2018 21:01	0	-0.06	1032.69
26/09/2018 22:19	0	-0.06	1032.69
26/09/2018 23:36	0	-0.06	1032.69
27/09/2018 00:54	0	-0.06	1031.73
27/09/2018 02:12	0	-0.07	1031.73
27/09/2018 03:29	0	-0.06	1030.3
27/09/2018 04:47	0	-0.07	1029.83
27/09/2018 06:04	0	-0.07	1029.35
27/09/2018 07:21	0	-0.07	1028.87
27/09/2018 08:39	0	-0.07	1028.87
27/09/2018 09:55	0	-0.06	1028.87
27/09/2018 11:13	0	-0.06	1027.92
27/09/2018 12:30	0	-0.06	1027.44
27/09/2018 13:47	0	-0.05	1026.49
27/09/2018 15:04	0	-0.05	1026.01
27/09/2018 16:22	0	-0.06	1025.53
27/09/2018 17:39	0	-0.05	1025.06
27/09/2018 18:57	0	-0.06	1025.06
27/09/2018 20:15	0	-0.06	1025.06
27/09/2018 21:32	0	-0.06	1025.06
27/09/2018 22:50	0	-0.06	1025.06
28/09/2018 00:08	0	-0.07	1025.06
28/09/2018 01:25	0.01	-0.04	1026.01
28/09/2018 02:43	0.18	-0.05	1025.53
28/09/2018 04:00	0.03	-0.04	1026.01
28/09/2018 05:17	0	-0.07	1026.49
28/09/2018 06:35	0.03	-0.06	1027.44
28/09/2018 07:52	0	-0.07	1028.87
28/09/2018 09:10	0.05	-0.04	1029.83
28/09/2018 10:27	0.13	0	1030.78
28/09/2018 11:44	0.18	-0.02	1030.78
28/09/2018 13:01	0.17	-0.01	1030.78

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28/09/2018 14:19	0.27	-0.01	1030.78
28/09/2018 15:36	0.04	-0.07	1030.78
28/09/2018 16:54	0.08	-0.06	1030.78
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29/09/2018 04:32	0	-0.07	1031.26
29/09/2018 05:49	0	-0.06	1031.26
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29/09/2018 08:24	0.03	-0.05	1031.26
29/09/2018 09:41	0.03	-0.03	1030.78
29/09/2018 10:59	0	-0.07	1030.3
29/09/2018 12:16	0	-0.05	1029.83
29/09/2018 13:33	0	-0.07	1028.87
29/09/2018 14:50	0	-0.06	1027.44
29/09/2018 16:08	0	-0.06	1026.49
29/09/2018 17:25	0	-0.06	1026.01
29/09/2018 18:43	0	-0.06	1025.53
29/09/2018 20:01	0	-0.06	1024.58
29/09/2018 21:18	0	-0.06	1024.58
29/09/2018 22:36	0	-0.07	1024.1
29/09/2018 23:54	0	-0.07	1023.63
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30/09/2018 02:29	0	-0.07	1022.67
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30/09/2018 06:21	0	-0.07	1021.24
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30/09/2018 08:56	0	-0.07	1021.72
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30/09/2018 11:31	0.04	-0.05	1020.77
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30/09/2018 17:58	0	-0.06	1019.81
30/09/2018 19:15	0	-0.06	1020.77
30/09/2018 20:33	0	-0.06	1021.24
30/09/2018 21:51	0.04	-0.06	1022.2
30/09/2018 23:08	0.04	-0.06	1022.67
01/10/2018 00:26	0	-0.06	1023.15
01/10/2018 01:43	0.03	-0.07	1023.63

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01/10/2018 10:46	0.06	-0.06	1028.87
01/10/2018 12:03	0.12	-0.06	1028.87
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01/10/2018 17:13	0.03	-0.05	1027.44
01/10/2018 18:30	0	-0.07	1027.44
01/10/2018 19:48	0	-0.07	1027.44
01/10/2018 21:06	0	-0.07	1026.96
01/10/2018 22:23	0	-0.07	1026.49
01/10/2018 23:41	0.01	-0.06	1026.49
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02/10/2018 02:16	0	-0.07	1024.1
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02/10/2018 06:08	0.07	-0.06	1021.72
02/10/2018 07:25	0.04	-0.09	1021.72
02/10/2018 08:43	0.05	-0.07	1022.2
02/10/2018 10:00	0.14	-0.07	1022.2
02/10/2018 11:17	0.01	-0.08	1022.2
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02/10/2018 16:26	0.03	-0.08	1022.67
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02/10/2018 20:19	0.04	-0.06	1024.58
02/10/2018 21:36	0.02	-0.06	1025.06
02/10/2018 22:54	0	-0.07	1025.06
03/10/2018 00:12	0	-0.06	1025.06
03/10/2018 01:29	0.04	-0.06	1025.53
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04/10/2018 03:19	0	-0.06	1027.44
04/10/2018 04:37	0	-0.07	1026.96
04/10/2018 05:54	0	-0.06	1027.44
04/10/2018 07:11	0	-0.06	1027.44
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04/10/2018 20:06	0	-0.06	1022.67
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04/10/2018 22:41	0	-0.06	1022.2
05/10/2018 10:17	0	-0.06	1017.43
05/10/2018 11:34	0	-0.06	1016.95
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05/10/2018 14:09	0	-0.06	1015.52
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05/10/2018 18:02	0	-0.06	1014.09
05/10/2018 19:19	0	-0.06	1014.09
05/10/2018 20:37	0	-0.06	1013.14
05/10/2018 21:55	0	-0.06	1013.14
05/10/2018 23:12	0	-0.06	1012.66
06/10/2018 00:30	0	-0.06	1012.18
06/10/2018 01:47	0	-0.06	1011.71
06/10/2018 03:05	0	-0.06	1010.75
06/10/2018 04:22	0	-0.06	1010.27
06/10/2018 05:39	0	-0.05	1009.32
06/10/2018 06:57	0.02	-0.05	1008.84
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06/10/2018 12:06	0.15	-0.01	1009.8
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07/10/2018 02:19	0.12	-0.09	1018.38
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07/10/2018 07:29	0.1	-0.04	1022.2
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07/10/2018 11:20	0.16	-0.09	1024.58
07/10/2018 12:37	0.24	0	1023.63
07/10/2018 13:54	0	-0.02	1023.63
07/10/2018 15:11	0	-0.07	1023.63
07/10/2018 16:29	0	-0.07	1024.1
07/10/2018 17:47	0	-0.07	1024.1
07/10/2018 19:04	0	-0.07	1024.1
07/10/2018 20:22	0	-0.07	1024.58
07/10/2018 21:40	0	-0.07	1025.06
07/10/2018 22:57	0	-0.07	1025.06
08/10/2018 00:15	0	-0.07	1024.58
08/10/2018 01:32	0	-0.07	1024.1
08/10/2018 02:50	0	-0.07	1023.63
08/10/2018 04:07	0	-0.07	1023.63
08/10/2018 05:25	0	-0.07	1022.67
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08/10/2018 11:51	0	-0.08	1024.1
08/10/2018 13:09	0	-0.07	1023.63
08/10/2018 14:26	0	-0.06	1022.67
08/10/2018 15:43	0	-0.07	1022.2
08/10/2018 17:00	0.02	-0.06	1021.72
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08/10/2018 22:11	0	-0.06	1022.2
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09/10/2018 02:03	0	-0.07	1021.24

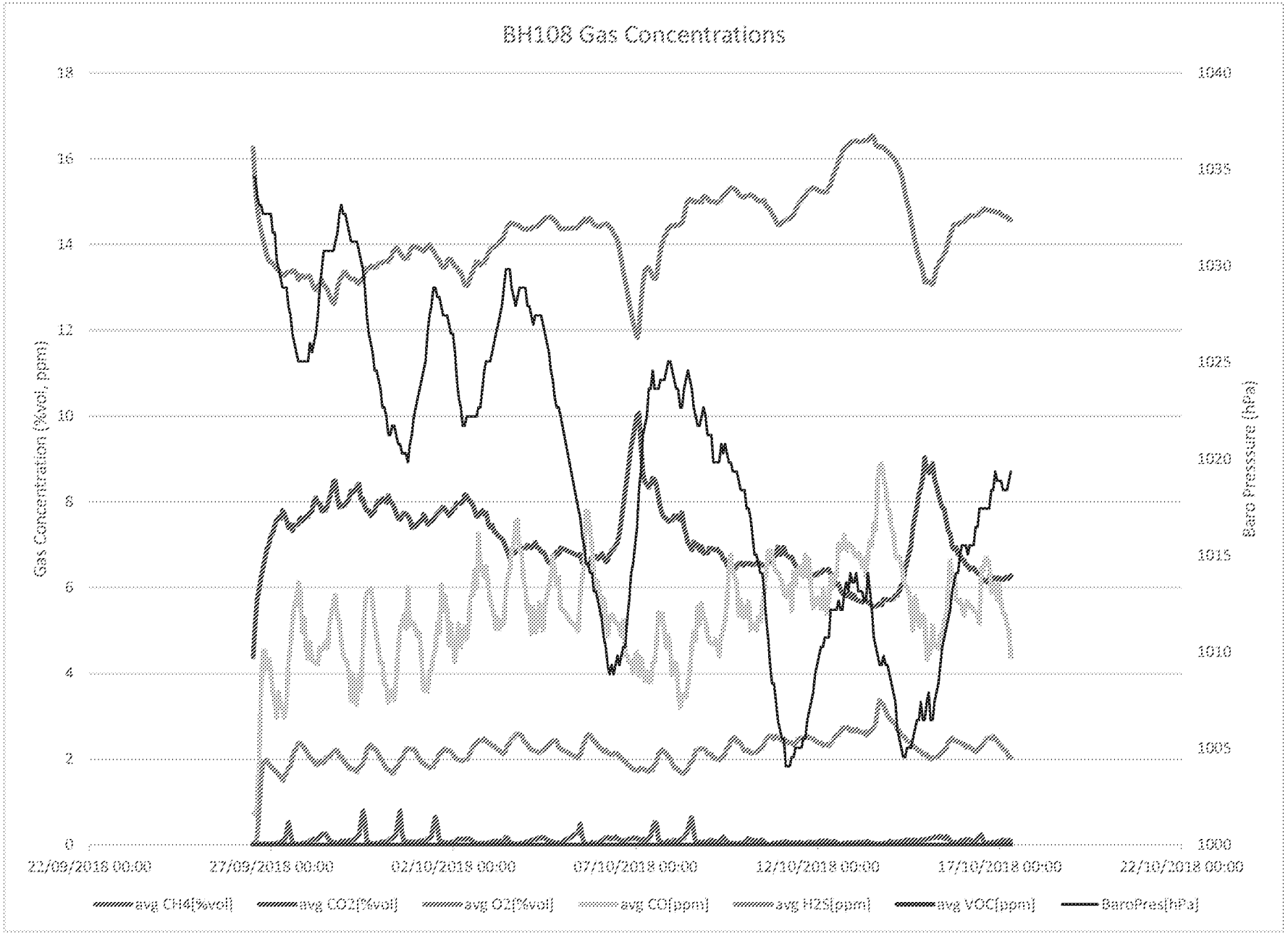
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17/10/2018 01:02	0	-0.06	1018.86
17/10/2018 02:20	0	-0.08	1018.38
17/10/2018 03:37	0	-0.06	1018.38
17/10/2018 04:55	0	-0.06	1018.38
17/10/2018 06:12	0	-0.06	1018.86
17/10/2018 07:30	0	-0.06	1019.34

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Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH108

Time	avg CH4[%	avg CO2[%	avg O2[%v	avg CO[ppr	avg H2S[pp	avg VOC[p	BaroPres[hPa]
26/09/2018 11:58	0.02	4.38	16.25	0.73	0.06	0	1034.59
26/09/2018 13:16	0.02	5.17	15.37	0.69	0.06	0	1034.59
26/09/2018 14:33	0.03	5.72	14.9	0.9	0.17	0	1033.64
26/09/2018 15:51	0.03	5.96	14.54	2.02	0.78	0	1033.16
26/09/2018 17:08	0	6.24	14.31	3.68	1.54	0	1033.16
26/09/2018 18:25	0.03	6.45	14.13	4.53	1.89	0	1032.69
26/09/2018 19:43	0.03	6.68	13.93	4.53	1.93	0	1032.69
26/09/2018 21:01	0.02	6.9	13.74	4.09	1.98	0	1032.69
26/09/2018 22:19	0.02	7.01	13.61	4.34	1.89	0	1032.69
26/09/2018 23:36	0.03	7.22	13.6	4.03	1.82	0	1032.69
27/09/2018 00:54	0.03	7.26	13.56	3.58	1.79	0	1031.73
27/09/2018 02:12	0.02	7.46	13.49	3.32	1.73	0	1031.73
27/09/2018 03:29	0.03	7.57	13.44	2.96	1.7	0	1030.3
27/09/2018 04:47	0.06	7.66	13.39	3.56	1.63	0	1029.83
27/09/2018 06:04	0.05	7.61	13.32	3.17	1.57	0	1029.35
27/09/2018 07:21	0.09	7.8	13.29	3.2	1.5	0	1028.87
27/09/2018 08:39	0.1	7.71	13.28	2.96	1.59	0	1028.87
27/09/2018 09:55	0.28	7.57	13.34	3.38	1.7	0	1028.87
27/09/2018 11:13	0.53	7.4	13.35	4.24	1.77	0	1027.92
27/09/2018 12:30	0.27	7.47	13.36	4.65	1.84	0	1027.44
27/09/2018 13:47	0.06	7.32	13.39	5.18	2.06	0	1026.49
27/09/2018 15:04	0.03	7.45	13.39	5.62	2.17	0	1026.01
27/09/2018 16:22	0.03	7.46	13.32	5.62	2.27	0	1025.53
27/09/2018 17:39	0.01	7.49	13.18	6.13	2.35	0	1025.06
27/09/2018 18:57	0.02	7.63	13.28	5.92	2.38	0	1025.06
27/09/2018 20:15	0.03	7.55	13.27	4.95	2.33	0	1025.06
27/09/2018 21:32	0.05	7.62	13.24	5.3	2.27	0	1025.06
27/09/2018 22:50	0.05	7.66	13.23	4.62	2.19	0	1025.06
28/09/2018 00:08	0.04	7.65	13.28	4.34	2.12	0	1025.06
28/09/2018 01:25	0.1	7.75	13.26	4.74	2.04	0	1026.01
28/09/2018 02:43	0.12	7.79	13.11	4.32	2	0	1025.53
28/09/2018 04:00	0.14	8.02	12.98	4.3	1.96	0	1026.01
28/09/2018 05:17	0.12	8.1	12.93	4.26	1.86	0	1026.49
28/09/2018 06:35	0.17	7.97	13	4.21	1.89	0	1027.44
28/09/2018 07:52	0.17	7.96	13.12	4.59	1.96	0	1028.87
28/09/2018 09:10	0.24	7.78	13.16	4.55	1.96	0	1029.83
28/09/2018 10:27	0.26	7.86	13.07	4.65	1.91	0	1030.78
28/09/2018 11:44	0.26	7.8	13.02	4.71	2.02	0	1030.78
28/09/2018 13:01	0.18	7.94	12.93	4.59	2.06	0	1030.78
28/09/2018 14:19	0.1	8.09	12.81	5.18	2.06	0	1030.78
28/09/2018 15:36	0.08	8.24	12.7	5.39	2.14	0	1030.78

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28/09/2018 16:54	0.06	8.46	12.62	5.65	2.19	0	1030.78
28/09/2018 18:11	0.06	8.49	12.71	5.83	2.19	0	1031.26
28/09/2018 19:29	0.03	8.08	13.01	5.33	2.21	0	1031.73
28/09/2018 20:47	0.05	7.87	13.15	5.21	2.06	0	1032.69
28/09/2018 22:04	0.09	7.93	13.25	4.74	2.06	0	1033.16
28/09/2018 23:22	0.06	7.9	13.33	4.41	1.98	0	1032.69
29/09/2018 00:39	0.09	7.92	13.37	4.34	1.91	0	1032.69
29/09/2018 01:57	0.07	8.01	13.29	4.24	1.86	0	1032.21
29/09/2018 03:14	0.11	8.09	13.24	3.94	1.77	0	1031.73
29/09/2018 04:32	0.1	8.25	13.19	3.35	1.79	0	1031.26
29/09/2018 05:49	0.13	8.22	13.2	3.97	1.77	0	1031.26
29/09/2018 07:07	0.13	8.27	13.19	3.55	1.73	0	1031.26
29/09/2018 08:24	0.17	8.36	13.11	3.26	1.7	0	1031.26
29/09/2018 09:41	0.23	8.42	13.08	3.97	1.79	0	1030.78
29/09/2018 10:59	0.5	8.05	13.15	3.59	1.82	0	1030.3
29/09/2018 12:16	0.8	8.08	13.19	4.68	1.93	0	1029.83
29/09/2018 13:33	0.56	7.88	13.33	5.57	2	0	1028.87
29/09/2018 14:50	0.09	7.79	13.45	5.89	2.21	0	1027.44
29/09/2018 16:08	0.06	7.8	13.45	5.92	2.27	0	1026.49
29/09/2018 17:25	0.05	7.67	13.49	5.98	2.33	0	1026.01
29/09/2018 18:43	0.02	7.76	13.5	5.65	2.25	0	1025.53
29/09/2018 20:01	0.03	7.79	13.45	5.15	2.24	0	1024.58
29/09/2018 21:18	0.04	7.94	13.48	4.86	2.19	0	1024.58
29/09/2018 22:36	0.04	8.02	13.55	4.53	2.12	0	1024.1
29/09/2018 23:54	0.07	7.98	13.57	4.24	2	0	1023.63
30/09/2018 01:11	0.07	8.08	13.57	4.26	1.96	0	1022.67
30/09/2018 02:29	0.07	8.05	13.6	3.73	1.86	0	1022.67
30/09/2018 03:46	0.06	7.98	13.61	3.7	1.77	0	1022.2
30/09/2018 05:04	0.1	8.15	13.59	3.32	1.75	0	1021.24
30/09/2018 06:21	0.15	8.01	13.67	3.56	1.73	0	1021.24
30/09/2018 07:39	0.15	7.97	13.77	3.59	1.66	0	1021.72
30/09/2018 08:56	0.18	7.86	13.88	3.38	1.7	0	1021.72
30/09/2018 10:14	0.28	7.73	13.93	3.88	1.84	0	1021.24
30/09/2018 11:31	0.56	7.61	13.88	4.55	1.84	0	1020.77
30/09/2018 12:48	0.8	7.59	13.8	5.05	1.98	0	1020.77
30/09/2018 14:05	0.27	7.68	13.75	5.15	2.02	0	1020.29
30/09/2018 15:23	0.08	7.74	13.67	5.36	2.12	0	1020.29
30/09/2018 16:40	0.08	7.72	13.67	5.05	2.24	0	1020.29
30/09/2018 17:58	0.07	7.67	13.69	6.01	2.25	0	1019.81
30/09/2018 19:15	0.04	7.59	13.84	5.15	2.24	0	1020.77
30/09/2018 20:33	0.07	7.39	13.91	5.12	2.22	0	1021.24
30/09/2018 21:51	0.08	7.47	13.95	5.18	2.24	0	1022.2
30/09/2018 23:08	0.06	7.42	13.94	5	2.19	0	1022.67
01/10/2018 00:26	0.08	7.5	13.93	4.86	2.06	0	1023.15
01/10/2018 01:43	0.06	7.56	13.89	4.95	2.02	0	1023.63
01/10/2018 03:01	0.11	7.56	13.88	4.32	1.91	0	1024.1
01/10/2018 04:18	0.09	7.71	13.84	3.59	1.91	0	1024.58

01/10/2018 05:36	0.09	7.62	13.88	3.7	1.86	0	1025.06
01/10/2018 06:53	0.15	7.47	13.96	3.58	1.84	0	1026.49
01/10/2018 08:11	0.16	7.53	14	4.03	1.79	0	1027.44
01/10/2018 09:28	0.21	7.55	13.92	4.05	1.82	0	1027.92
01/10/2018 10:46	0.44	7.61	13.85	4.41	1.82	0	1028.87
01/10/2018 12:03	0.65	7.67	13.76	4.53	1.93	0	1028.87
01/10/2018 13:20	0.45	7.73	13.69	5.15	1.98	0	1028.4
01/10/2018 14:38	0.11	7.77	13.65	4.92	2.14	0	1028.4
01/10/2018 15:55	0.08	7.82	13.51	6.07	2.12	0	1027.92
01/10/2018 17:13	0.05	7.88	13.46	5.48	2.22	0	1027.44
01/10/2018 18:30	0.06	7.82	13.48	5.8	2.24	0	1027.44
01/10/2018 19:48	0.05	7.76	13.59	5.45	2.19	0	1027.44
01/10/2018 21:06	0.04	7.67	13.66	4.65	2.21	0	1026.96
01/10/2018 22:23	0.06	7.73	13.66	5.15	2.17	0	1026.49
01/10/2018 23:41	0.07	7.83	13.56	4.65	2.12	0	1026.49
02/10/2018 00:58	0.08	7.86	13.48	4.26	2.04	0	1025.53
02/10/2018 02:16	0.13	7.97	13.46	4.74	2	0	1024.1
02/10/2018 03:33	0.14	7.96	13.37	5.15	1.98	0	1023.15
02/10/2018 04:50	0.13	7.97	13.36	4.62	1.98	0	1022.67
02/10/2018 06:08	0.14	7.98	13.21	4.92	1.96	0	1021.72
02/10/2018 07:25	0.13	8.17	13.06	5.09	1.98	0	1021.72
02/10/2018 08:43	0.14	8.14	13.04	4.8	2	0	1022.2
02/10/2018 10:00	0.15	8.05	13.12	5.12	2.06	0	1022.2
02/10/2018 11:17	0.13	8.01	13.25	5.83	2.19	0	1022.2
02/10/2018 12:34	0.09	7.93	13.36	5.8	2.25	0	1022.2
02/10/2018 13:52	0.05	7.82	13.48	6.39	2.31	0	1022.2
02/10/2018 15:09	0.04	7.66	13.6	5.98	2.38	0	1022.2
02/10/2018 16:26	0.04	7.66	13.6	7.25	2.44	0	1022.67
02/10/2018 17:44	0.02	7.73	13.52	6.6	2.42	0	1022.67
02/10/2018 19:01	0.05	7.8	13.55	6.39	2.44	0	1023.63
02/10/2018 20:19	0.03	7.71	13.57	6.24	2.47	0	1024.58
02/10/2018 21:36	0.04	7.75	13.68	6.48	2.42	0	1025.06
02/10/2018 22:54	0.04	7.5	13.79	6.07	2.38	0	1025.06
03/10/2018 00:12	0.06	7.4	13.89	5.71	2.38	0	1025.06
03/10/2018 01:29	0.08	7.46	13.93	5.54	2.31	0	1025.53
03/10/2018 02:46	0.08	7.31	13.94	5.36	2.31	0	1026.01
03/10/2018 04:04	0.1	7.28	13.96	5.03	2.24	0	1026.49
03/10/2018 05:21	0.07	7.21	13.99	5.3	2.21	0	1026.96
03/10/2018 06:39	0.09	7.17	14.06	5.03	2.19	0	1027.44
03/10/2018 07:56	0.08	7.14	14.11	5.21	2.14	0	1027.92
03/10/2018 09:14	0.1	7.06	14.21	5.15	2.12	0	1028.87
03/10/2018 10:32	0.18	6.93	14.34	5.92	2.24	0	1029.83
03/10/2018 11:49	0.16	6.81	14.41	6.24	2.31	0	1029.83
03/10/2018 13:06	0.05	6.68	14.49	6.39	2.4	0	1029.83
03/10/2018 14:23	0.04	6.77	14.5	6.87	2.47	0	1028.87
03/10/2018 15:41	0.03	6.84	14.48	7.01	2.5	0	1028.4
03/10/2018 16:58	0.02	6.8	14.46	7.54	2.56	0	1027.92

03/10/2018 18:16	0.01	6.85	14.46	7.57	2.6	0	1028.4
03/10/2018 19:34	0.04	6.87	14.42	6.86	2.56	0	1028.87
03/10/2018 20:51	0.04	6.86	14.39	6.87	2.56	0	1028.87
03/10/2018 22:09	0.03	6.92	14.36	6.19	2.44	0	1028.87
03/10/2018 23:27	0.05	6.91	14.35	5.98	2.4	0	1028.87
04/10/2018 00:44	0.08	6.99	14.36	5.45	2.35	0	1027.92
04/10/2018 02:02	0.05	6.96	14.37	5.57	2.25	0	1027.92
04/10/2018 03:19	0.1	6.93	14.36	4.92	2.22	0	1027.44
04/10/2018 04:37	0.12	7	14.4	5.54	2.21	0	1026.96
04/10/2018 05:54	0.14	7.06	14.42	4.97	2.19	0	1027.44
04/10/2018 07:11	0.12	6.94	14.43	5.05	2.17	0	1027.44
04/10/2018 08:29	0.17	6.92	14.47	5.65	2.14	0	1027.44
04/10/2018 09:46	0.16	6.83	14.49	5.21	2.19	0	1027.44
04/10/2018 11:03	0.18	6.84	14.56	5	2.21	0	1026.96
04/10/2018 12:21	0.16	6.77	14.6	5.59	2.25	0	1026.49
04/10/2018 13:38	0.11	6.65	14.63	5.83	2.27	0	1026.01
04/10/2018 14:55	0.1	6.58	14.63	6.01	2.33	0	1025.53
04/10/2018 16:13	0.09	6.6	14.64	6.24	2.4	0	1024.58
04/10/2018 17:30	0.07	6.6	14.6	6.75	2.4	0	1024.1
04/10/2018 18:48	0.05	6.74	14.55	6.39	2.44	0	1023.15
04/10/2018 20:06	0.05	6.83	14.5	6.07	2.42	0	1022.67
04/10/2018 21:23	0.05	6.77	14.42	6.25	2.27	0	1022.67
04/10/2018 22:41	0.05	6.93	14.36	5.54	2.24	0	1022.2
05/10/2018 10:17	0.28	6.74	14.39	4.98	2.02	0	1017.43
05/10/2018 11:34	0.49	6.78	14.46	5.8	2.1	0	1016.95
05/10/2018 12:52	0.2	6.57	14.54	6.24	2.24	0	1016
05/10/2018 14:09	0.04	6.54	14.6	6.54	2.38	0	1015.52
05/10/2018 15:26	0.02	6.53	14.53	7.78	2.49	0	1014.57
05/10/2018 16:44	0.01	6.52	14.57	7.78	2.58	0	1014.57
05/10/2018 18:02	0.04	6.59	14.61	7.31	2.56	0	1014.09
05/10/2018 19:19	0.06	6.73	14.53	6.98	2.5	0	1014.09
05/10/2018 20:37	0.01	6.74	14.46	6.19	2.42	0	1013.14
05/10/2018 21:55	0.04	6.73	14.44	5.86	2.4	0	1013.14
05/10/2018 23:12	0.06	6.67	14.41	6.16	2.31	0	1012.66
06/10/2018 00:30	0.07	6.73	14.43	5.74	2.25	0	1012.18
06/10/2018 01:47	0.09	6.8	14.43	5.27	2.24	0	1011.71
06/10/2018 03:05	0.12	6.71	14.47	5.77	2.17	0	1010.75
06/10/2018 04:22	0.17	6.6	14.48	5.39	2.21	0	1010.27
06/10/2018 05:39	0.18	6.64	14.48	4.86	2.14	0	1009.32
06/10/2018 06:57	0.14	6.78	14.4	5.27	2.12	0	1008.84
06/10/2018 08:14	0.16	6.86	14.36	5.36	2.1	0	1009.32
06/10/2018 09:32	0.15	6.9	14.26	5.3	2.14	0	1008.84
06/10/2018 10:49	0.19	6.97	14.2	5.18	2.14	0	1009.32
06/10/2018 12:06	0.15	7.06	14.09	5.18	2.12	0	1009.8
06/10/2018 13:24	0.13	7.26	13.9	5.05	2.06	0	1009.32
06/10/2018 14:41	0.09	7.57	13.64	4.86	2.02	0	1009.8
06/10/2018 15:59	0.1	7.92	13.35	5.24	1.96	0	1010.27

06/10/2018 17:16	0.1	8.26	13.15	4.41	1.96	0	1010.27
06/10/2018 18:34	0.13	8.59	12.91	4.41	1.86	0	1011.71
06/10/2018 19:51	0.14	8.94	12.64	4.26	1.86	0	1012.66
06/10/2018 21:09	0.14	9.3	12.4	4.3	1.79	0	1014.09
06/10/2018 22:26	0.17	9.51	12.19	4	1.77	0	1014.57
06/10/2018 23:44	0.15	9.77	12	4.41	1.75	0	1015.52
07/10/2018 01:01	0.16	10.01	11.83	4.5	1.73	0	1016.47
07/10/2018 02:19	0.12	10.07	11.99	3.94	1.75	0	1018.38
07/10/2018 03:36	0.13	9.32	12.62	4.38	1.79	0	1019.34
07/10/2018 04:54	0.11	8.68	13.08	4.12	1.77	0	1021.24
07/10/2018 06:11	0.14	8.46	13.37	3.82	1.75	0	1021.72
07/10/2018 07:29	0.1	8.41	13.45	4.03	1.73	0	1022.2
07/10/2018 08:46	0.13	8.33	13.46	3.85	1.7	0	1023.63
07/10/2018 10:03	0.21	8.43	13.37	3.79	1.77	0	1023.63
07/10/2018 11:20	0.39	8.55	13.24	4.21	1.75	0	1024.58
07/10/2018 12:37	0.53	8.51	13.2	4.29	1.89	0	1023.63
07/10/2018 13:54	0.5	8.38	13.26	4.68	1.93	0	1023.63
07/10/2018 15:11	0.13	8.11	13.58	5.42	2.12	0	1023.63
07/10/2018 16:29	0.08	7.86	13.86	5.21	2.19	0	1024.1
07/10/2018 17:47	0.04	7.7	14.05	5.39	2.22	0	1024.1
07/10/2018 19:04	0.04	7.63	14.19	4.97	2.17	0	1024.1
07/10/2018 20:22	0.05	7.61	14.26	4.59	2.14	0	1024.58
07/10/2018 21:40	0.09	7.54	14.39	4.88	2.06	0	1025.06
07/10/2018 22:57	0.06	7.57	14.4	4.55	2	0	1025.06
08/10/2018 00:15	0.06	7.57	14.44	3.97	1.91	0	1024.58
08/10/2018 01:32	0.12	7.67	14.43	4.03	1.79	0	1024.1
08/10/2018 02:50	0.09	7.63	14.46	4.24	1.79	0	1023.63
08/10/2018 04:07	0.09	7.67	14.45	3.65	1.75	0	1023.63
08/10/2018 05:25	0.11	7.57	14.49	3.2	1.7	0	1022.67
08/10/2018 06:42	0.14	7.75	14.49	3.41	1.68	0	1022.67
08/10/2018 08:00	0.16	7.41	14.67	3.53	1.66	0	1023.63
08/10/2018 09:17	0.24	7.26	14.88	3.44	1.73	0	1024.1
08/10/2018 10:34	0.35	7.04	15.03	3.76	1.79	0	1024.58
08/10/2018 11:51	0.54	6.98	15.06	4.03	1.89	0	1024.1
08/10/2018 13:09	0.64	6.88	15.04	4.65	1.96	0	1023.63
08/10/2018 14:26	0.3	7.07	14.99	4.98	2.04	0	1022.67
08/10/2018 15:43	0.06	6.97	15	4.76	2.19	0	1022.2
08/10/2018 17:00	0.06	7	15.01	5.54	2.21	0	1021.72
08/10/2018 18:18	0.07	6.87	14.99	5.15	2.25	0	1021.72
08/10/2018 19:36	0.05	6.96	14.99	5.63	2.24	0	1022.2
08/10/2018 20:53	0.08	6.8	15.13	5.3	2.24	0	1022.67
08/10/2018 22:11	0.04	6.82	15.11	5.21	2.21	0	1022.2
08/10/2018 23:28	0.06	6.8	15.07	4.92	2.12	0	1021.24
09/10/2018 00:46	0.09	6.92	15	4.74	2.12	0	1021.24
09/10/2018 02:03	0.12	6.92	15	4.71	2.12	0	1021.24
09/10/2018 03:21	0.08	6.89	15	4.68	2.02	0	1019.81
09/10/2018 04:38	0.08	6.88	14.99	4.8	2.02	0	1019.81

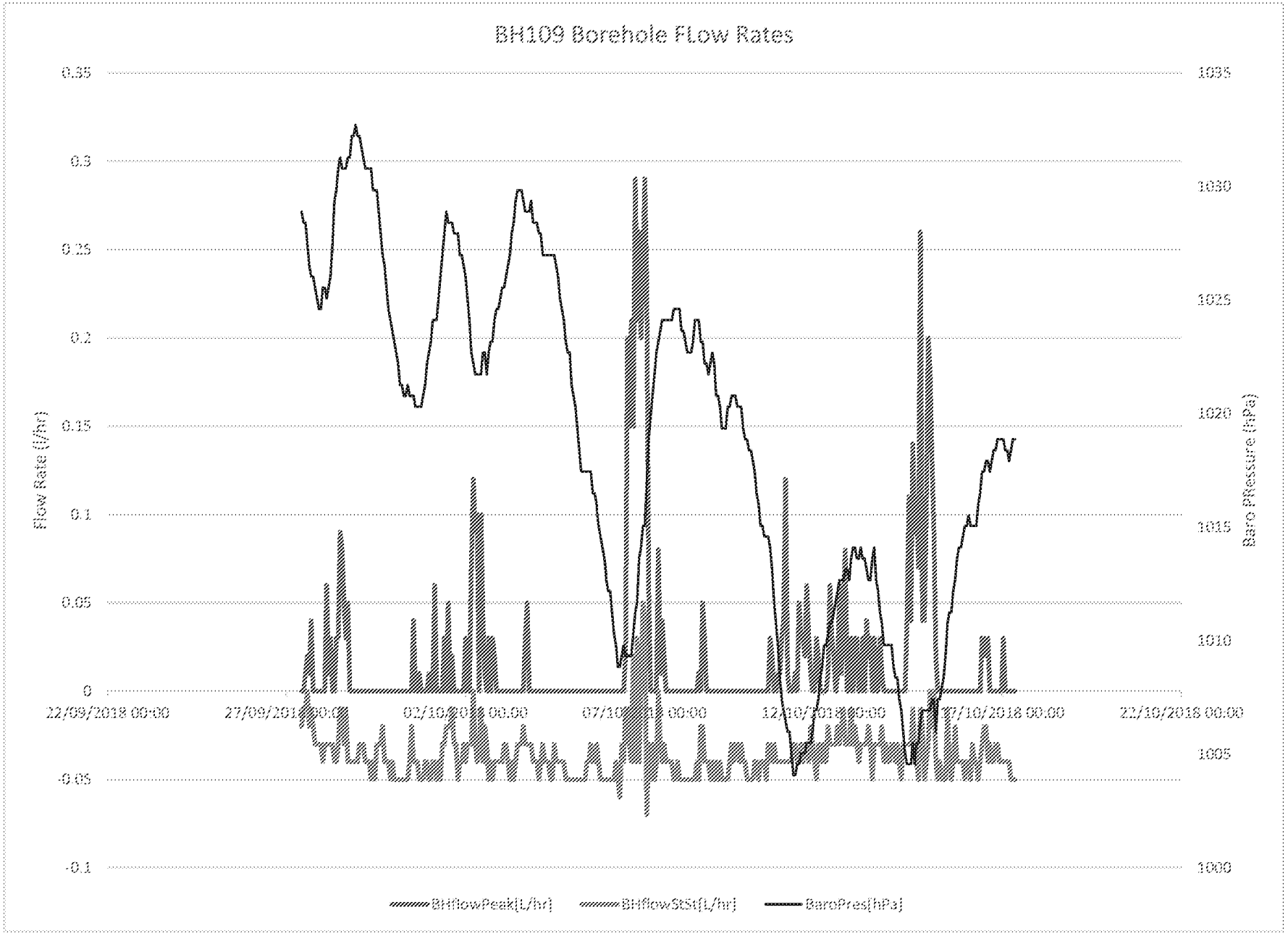
09/10/2018 05:56	0.08	6.9	14.96	4.65	2	0	1019.81
09/10/2018 07:13	0.1	6.82	15	4.41	1.98	0	1019.81
09/10/2018 08:30	0.13	6.8	15.04	4.86	2.02	0	1020.77
09/10/2018 09:47	0.19	6.66	15.12	5	2.04	0	1020.29
09/10/2018 11:05	0.12	6.66	15.17	5.24	2.14	0	1020.77
09/10/2018 12:21	0.08	6.52	15.23	5.65	2.24	0	1020.29
09/10/2018 13:39	0.04	6.48	15.3	6.48	2.31	0	1019.81
09/10/2018 14:56	0.03	6.35	15.33	6.78	2.42	0	1019.81
09/10/2018 16:13	0.04	6.51	15.31	6.36	2.49	0	1019.34
09/10/2018 17:31	0.04	6.44	15.29	6.25	2.5	0	1019.34
09/10/2018 18:49	0.02	6.5	15.25	6.1	2.4	0	1019.34
09/10/2018 20:07	0.03	6.56	15.16	5.36	2.42	0	1018.86
09/10/2018 21:24	0.04	6.58	15.12	5.71	2.35	0	1018.38
09/10/2018 22:42	0.06	6.52	15.1	5.3	2.27	0	1018.38
09/10/2018 23:59	0.05	6.54	15.11	5.56	2.19	0	1018.38
10/10/2018 01:17	0.09	6.57	15.13	5.33	2.19	0	1017.43
10/10/2018 02:34	0.15	6.55	15.14	5.68	2.21	0	1017.43
10/10/2018 03:51	0.12	6.57	15.16	5	2.14	0	1016.95
10/10/2018 05:09	0.09	6.52	15.13	5.18	2.14	0	1016
10/10/2018 06:26	0.11	6.55	15.11	5.05	2.15	0	1015.04
10/10/2018 07:44	0.1	6.58	15.06	5.01	2.17	0	1015.04
10/10/2018 09:01	0.1	6.59	15.01	5.3	2.19	0	1014.57
10/10/2018 10:18	0.1	6.52	15.02	5.21	2.24	0	1014.09
10/10/2018 11:35	0.12	6.54	15.01	5.54	2.25	0	1014.09
10/10/2018 12:53	0.06	6.51	15.03	5.95	2.38	0	1013.14
10/10/2018 14:10	0.03	6.54	14.9	6.33	2.44	0	1011.71
10/10/2018 15:27	0.01	6.54	14.86	6.84	2.49	0	1010.75
10/10/2018 16:45	0	6.65	14.8	6.86	2.54	0	1009.32
10/10/2018 18:02	0.03	6.7	14.72	6.75	2.54	0	1008.37
10/10/2018 19:20	0.04	6.72	14.65	6.51	2.47	0	1008.37
10/10/2018 20:38	0.05	6.75	14.54	6.36	2.54	0	1007.41
10/10/2018 21:55	0.04	6.95	14.46	6.36	2.49	0	1006.46
10/10/2018 23:13	0.06	6.77	14.46	6.24	2.47	0	1005.98
11/10/2018 00:30	0.05	6.8	14.5	6.16	2.42	0	1005.51
11/10/2018 01:48	0.07	6.94	14.53	5.86	2.47	0	1005.51
11/10/2018 03:05	0.08	6.78	14.56	5.77	2.42	0	1004.08
11/10/2018 04:22	0.06	6.74	14.6	5.83	2.38	0	1004.08
11/10/2018 05:40	0.05	6.7	14.61	6.07	2.4	0	1004.08
11/10/2018 06:57	0.05	6.71	14.67	5.45	2.38	0	1004.55
11/10/2018 08:15	0.05	6.6	14.7	6.36	2.33	0	1004.55
11/10/2018 09:32	0.05	6.5	14.8	6.07	2.38	0	1005.03
11/10/2018 10:50	0.04	6.51	14.91	6.39	2.47	0	1005.03
11/10/2018 12:07	0.06	6.36	14.97	6.51	2.47	0	1005.03
11/10/2018 13:24	0.05	6.4	15.01	6.33	2.49	0	1005.03
11/10/2018 14:41	0.04	6.39	15.09	6.27	2.5	0	1005.51
11/10/2018 15:59	0.04	6.41	15.15	6.78	2.49	0	1005.51
11/10/2018 17:16	0.04	6.28	15.24	6.3	2.54	0	1006.46

11/10/2018 18:34	0.07	6.29	15.27	6.66	2.49	0	1006.94
11/10/2018 19:51	0.06	6.27	15.31	5.95	2.49	0	1007.41
11/10/2018 21:09	0.05	6.28	15.32	5.51	2.47	0	1007.89
11/10/2018 22:26	0.05	6.32	15.3	5.56	2.42	0	1008.84
11/10/2018 23:44	0.07	6.29	15.29	5.71	2.4	0	1009.32
12/10/2018 01:01	0.07	6.35	15.25	5.77	2.38	0	1009.8
12/10/2018 02:19	0.1	6.35	15.23	5.51	2.38	0	1010.27
12/10/2018 03:36	0.06	6.42	15.24	5.98	2.31	0	1010.27
12/10/2018 04:54	0.1	6.39	15.21	5.51	2.33	0	1010.75
12/10/2018 06:11	0.1	6.42	15.24	5.39	2.35	0	1010.75
12/10/2018 07:29	0.08	6.43	15.32	5.71	2.31	0	1010.75
12/10/2018 08:46	0.07	6.29	15.41	6.27	2.38	0	1012.18
12/10/2018 10:03	0.08	6.28	15.57	6.01	2.42	0	1012.18
12/10/2018 11:20	0.08	6.13	15.69	6.27	2.49	0	1012.18
12/10/2018 12:38	0.06	6.08	15.8	6.24	2.56	0	1012.18
12/10/2018 13:55	0.03	6.09	15.95	7.04	2.56	0	1012.66
12/10/2018 15:12	0.01	5.95	16.04	6.86	2.63	0	1012.18
12/10/2018 16:30	0.03	5.86	16.17	6.92	2.74	0	1012.18
12/10/2018 17:47	0.04	5.81	16.26	7.22	2.72	0	1013.14
12/10/2018 19:05	0.04	5.85	16.3	6.87	2.72	0	1013.61
12/10/2018 20:22	0.05	5.79	16.34	6.98	2.74	0	1013.14
12/10/2018 21:40	0.06	5.87	16.36	7.01	2.65	0	1014.09
12/10/2018 22:57	0.04	5.75	16.39	6.95	2.7	0	1013.61
13/10/2018 00:15	0.05	5.82	16.41	6.78	2.65	0	1013.61
13/10/2018 01:32	0.04	5.7	16.42	6.72	2.7	0	1014.09
13/10/2018 02:50	0.07	5.7	16.39	6.81	2.67	0	1013.14
13/10/2018 04:07	0.06	5.68	16.39	6.71	2.63	0	1013.14
13/10/2018 05:24	0.06	5.66	16.41	6.48	2.63	0	1013.14
13/10/2018 06:42	0.04	5.72	16.43	6.66	2.63	0	1012.66
13/10/2018 07:59	0.08	5.71	16.42	6.24	2.56	0	1012.66
13/10/2018 09:17	0.08	5.66	16.44	6.75	2.65	0	1014.09
13/10/2018 10:34	0.03	5.63	16.51	7.1	2.63	0	1013.14
13/10/2018 11:51	0.05	5.57	16.54	6.96	2.7	0	1012.18
13/10/2018 13:08	0.04	5.55	16.5	7.49	2.76	0	1010.75
13/10/2018 14:25	0.01	5.57	16.32	7.34	2.83	0	1010.27
13/10/2018 15:43	0.03	5.6	16.28	8.55	3.18	0	1009.8
13/10/2018 17:01	0.03	5.62	16.27	8.82	3.37	0	1009.32
13/10/2018 18:18	0.03	5.6	16.29	8.9	3.3	0	1009.32
13/10/2018 19:36	0.03	5.72	16.27	8.55	3.25	0	1009.8
13/10/2018 20:53	0.04	5.73	16.2	8.34	3.14	0	1009.32
13/10/2018 22:11	0.06	5.71	16.17	7.87	3.02	0	1009.32
13/10/2018 23:28	0.09	5.72	16.13	7.78	2.95	0	1008.84
14/10/2018 00:46	0.07	5.71	16.07	7.37	2.88	0	1008.37
14/10/2018 02:03	0.06	5.74	16.03	7.31	2.86	0	1007.89
14/10/2018 03:21	0.07	5.81	15.96	6.75	2.81	0	1007.41
14/10/2018 04:38	0.07	5.82	15.87	6.69	2.7	0	1005.98
14/10/2018 05:56	0.06	5.91	15.78	6.72	2.67	0	1005.51

14/10/2018 07:13	0.08	6.05	15.65	6.54	2.54	0	1005.03
14/10/2018 08:31	0.09	6.13	15.44	6.25	2.54	0	1004.55
14/10/2018 09:48	0.09	6.43	15.18	6.07	2.49	0	1004.55
14/10/2018 11:06	0.12	6.62	14.98	5.98	2.42	0	1005.03
14/10/2018 12:23	0.12	6.8	14.83	5.89	2.4	0	1005.03
14/10/2018 13:40	0.1	6.96	14.58	5.39	2.31	0	1005.03
14/10/2018 14:58	0.11	7.41	14.32	5.01	2.31	0	1005.51
14/10/2018 16:15	0.12	7.64	14.07	5.8	2.27	0	1005.98
14/10/2018 17:33	0.1	7.88	13.87	5.65	2.24	0	1006.46
14/10/2018 18:50	0.1	8.19	13.68	5.09	2.19	0	1006.46
14/10/2018 20:08	0.13	8.34	13.56	5.18	2.19	0	1007.41
14/10/2018 21:25	0.11	8.55	13.38	5.36	2.12	0	1006.46
14/10/2018 22:43	0.13	9.03	13.12	5.27	2.1	0	1006.46
15/10/2018 00:00	0.13	8.77	13.14	4.33	2.12	0	1007.41
15/10/2018 01:18	0.15	8.68	13.15	4.44	2.02	0	1007.89
15/10/2018 02:35	0.15	8.75	13.1	4.53	2	0	1006.46
15/10/2018 03:52	0.16	8.9	13.06	5.12	2.02	0	1006.46
15/10/2018 05:10	0.19	8.53	13.22	4.68	2.04	0	1007.41
15/10/2018 06:27	0.17	8.38	13.45	4.65	2.06	0	1007.89
15/10/2018 07:45	0.17	8.18	13.53	4.59	2.06	0	1008.37
15/10/2018 09:02	0.2	8	13.63	4.88	2.1	0	1009.32
15/10/2018 10:19	0.18	7.87	13.7	4.94	2.14	0	1010.27
15/10/2018 11:37	0.15	7.83	13.77	5.24	2.19	0	1010.75
15/10/2018 12:54	0.2	7.56	13.88	5.33	2.27	0	1011.23
15/10/2018 14:11	0.17	7.32	14.08	5.95	2.4	0	1011.71
15/10/2018 15:28	0.1	7.26	14.22	6.63	2.4	0	1012.18
15/10/2018 16:46	0.06	6.97	14.35	6.19	2.5	0	1013.14
15/10/2018 18:03	0.05	6.89	14.46	6.3	2.44	0	1013.61
15/10/2018 19:21	0.06	6.94	14.47	5.77	2.42	0	1014.09
15/10/2018 20:39	0.06	6.77	14.47	5.65	2.4	0	1014.09
15/10/2018 21:56	0.09	6.77	14.5	5.71	2.4	0	1015.04
15/10/2018 23:14	0.11	6.66	14.52	5.54	2.35	0	1015.52
16/10/2018 00:31	0.1	6.64	14.54	5.36	2.35	0	1015.52
16/10/2018 01:49	0.13	6.53	14.6	5.6	2.27	0	1015.52
16/10/2018 03:06	0.13	6.51	14.64	5.68	2.31	0	1015.04
16/10/2018 04:23	0.12	6.42	14.66	5.54	2.27	0	1015.52
16/10/2018 05:41	0.09	6.46	14.68	5.54	2.24	0	1015.52
16/10/2018 06:58	0.09	6.46	14.66	5.45	2.21	0	1015.52
16/10/2018 08:16	0.1	6.38	14.67	5.42	2.17	0	1016.47
16/10/2018 09:33	0.17	6.33	14.69	5.36	2.24	0	1016.47
16/10/2018 10:50	0.21	6.33	14.75	5.15	2.25	0	1017.43
16/10/2018 12:07	0.24	6.26	14.78	6.45	2.31	0	1017.43
16/10/2018 13:24	0.09	6.17	14.84	6.39	2.38	0	1017.43
16/10/2018 14:42	0.05	6.17	14.81	6.69	2.44	0	1017.43
16/10/2018 15:59	0.05	6.12	14.8	6.69	2.49	0	1017.43
16/10/2018 17:17	0.04	6.25	14.8	6.54	2.49	0	1017.43
16/10/2018 18:35	0.06	6.15	14.78	5.89	2.47	0	1018.38

16/10/2018 19:52	0.06	6.21	14.78	5.92	2.54	0	1018.38
16/10/2018 21:10	0.06	6.23	14.76	6.07	2.47	0	1019.34
16/10/2018 22:27	0.06	6.19	14.75	5.71	2.42	0	1018.86
16/10/2018 23:45	0.09	6.23	14.75	6.07	2.35	0	1018.86
17/10/2018 01:02	0.05	6.18	14.71	5.63	2.31	0	1018.86
17/10/2018 02:20	0.12	6.2	14.67	5.42	2.25	0	1018.38
17/10/2018 03:37	0.08	6.19	14.67	5.39	2.21	0	1018.38
17/10/2018 04:55	0.1	6.25	14.64	5.12	2.17	0	1018.38
17/10/2018 06:12	0.12	6.21	14.57	5.03	2.04	0	1018.86
17/10/2018 07:30	0.09	6.28	14.58	4.38	2.04	0	1019.34

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Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH109

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
27/09/2018 10:08	0	-0.02	1028.89
27/09/2018 11:25	0	-0.01	1028.41
27/09/2018 12:43	0.01	-0.01	1028.41
27/09/2018 14:00	0.02	0	1027.46
27/09/2018 15:18	0.01	-0.02	1026.51
27/09/2018 16:36	0.04	-0.01	1026.03
27/09/2018 17:54	0	-0.02	1026.03
27/09/2018 19:11	0	-0.03	1025.55
27/09/2018 20:29	0	-0.03	1025.07
27/09/2018 21:47	0	-0.03	1024.6
27/09/2018 23:05	0	-0.03	1024.6
28/09/2018 00:23	0	-0.04	1025.55
28/09/2018 01:40	0	-0.03	1025.55
28/09/2018 02:58	0.06	-0.03	1025.07
28/09/2018 04:15	0.01	-0.03	1025.55
28/09/2018 05:32	0.03	-0.03	1026.03
28/09/2018 06:50	0	-0.03	1027.46
28/09/2018 08:07	0	-0.04	1029.37
28/09/2018 09:25	0.03	-0.04	1029.84
28/09/2018 10:42	0.03	-0.03	1030.8
28/09/2018 11:59	0.09	-0.01	1031.28
28/09/2018 13:17	0.08	-0.01	1030.8
28/09/2018 14:35	0.05	-0.03	1030.8
28/09/2018 15:52	0.03	-0.01	1030.8
28/09/2018 17:10	0.05	-0.04	1031.28
28/09/2018 18:28	0	-0.04	1031.28
28/09/2018 19:46	0	-0.04	1032.23
28/09/2018 21:04	0	-0.04	1032.23
28/09/2018 22:21	0	-0.04	1032.71
28/09/2018 23:39	0	-0.04	1032.23
29/09/2018 00:56	0	-0.03	1032.23
29/09/2018 02:14	0	-0.03	1031.75
29/09/2018 03:31	0	-0.03	1031.28
29/09/2018 04:49	0	-0.04	1030.8
29/09/2018 06:06	0	-0.04	1030.8
29/09/2018 07:24	0	-0.04	1030.8
29/09/2018 08:41	0	-0.05	1030.8
29/09/2018 09:59	0	-0.04	1029.84
29/09/2018 11:16	0	-0.05	1029.84

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29/09/2018 12:34	0	-0.03	1029.84
29/09/2018 13:51	0	-0.03	1028.89
29/09/2018 15:09	0	-0.03	1027.94
29/09/2018 16:27	0	-0.02	1026.98
29/09/2018 17:45	0	-0.04	1026.51
29/09/2018 19:03	0	-0.04	1025.55
29/09/2018 20:21	0	-0.04	1024.6
29/09/2018 21:39	0	-0.05	1024.12
29/09/2018 22:56	0	-0.04	1023.64
30/09/2018 00:14	0	-0.05	1023.17
30/09/2018 01:32	0	-0.05	1022.69
30/09/2018 02:49	0	-0.05	1022.21
30/09/2018 04:07	0	-0.05	1021.26
30/09/2018 05:24	0	-0.05	1021.26
30/09/2018 06:42	0	-0.05	1020.78
30/09/2018 07:59	0	-0.05	1020.78
30/09/2018 09:16	0	-0.05	1021.26
30/09/2018 10:34	0	-0.04	1020.78
30/09/2018 11:51	0	-0.02	1020.78
30/09/2018 13:09	0.04	-0.04	1020.78
30/09/2018 14:27	0	-0.04	1020.3
30/09/2018 15:44	0	-0.04	1020.3
30/09/2018 17:02	0.01	-0.05	1020.3
30/09/2018 18:19	0	-0.05	1020.3
30/09/2018 19:37	0	-0.05	1020.78
30/09/2018 20:55	0	-0.04	1021.26
30/09/2018 22:12	0	-0.04	1022.21
30/09/2018 23:30	0.01	-0.05	1022.69
01/10/2018 00:47	0	-0.05	1023.17
01/10/2018 02:05	0	-0.04	1024.12
01/10/2018 03:22	0.06	-0.04	1024.12
01/10/2018 04:40	0	-0.05	1024.12
01/10/2018 05:57	0	-0.04	1025.07
01/10/2018 07:15	0	-0.05	1026.03
01/10/2018 08:32	0	-0.03	1026.98
01/10/2018 09:50	0.03	-0.03	1027.94
01/10/2018 11:07	0	-0.02	1028.89
01/10/2018 12:25	0.05	-0.02	1028.41
01/10/2018 13:43	0	-0.02	1028.41
01/10/2018 15:01	0.02	-0.01	1028.41
01/10/2018 16:19	0	-0.03	1027.94
01/10/2018 17:37	0	-0.03	1027.94
01/10/2018 18:54	0	-0.05	1027.94
01/10/2018 20:12	0	-0.04	1026.98
01/10/2018 21:30	0	-0.04	1026.98
01/10/2018 22:47	0	-0.03	1026.51
02/10/2018 00:05	0.03	-0.04	1026.03

02/10/2018 01:22	0	-0.03	1025.07
02/10/2018 02:40	0	-0.03	1024.12
02/10/2018 03:57	0.07	-0.03	1022.69
02/10/2018 05:15	0.12	0	1022.21
02/10/2018 06:32	0.09	-0.03	1021.73
02/10/2018 07:50	0.1	-0.04	1021.73
02/10/2018 09:07	0	-0.03	1021.73
02/10/2018 10:24	0.1	-0.01	1021.73
02/10/2018 11:41	0.04	-0.04	1022.69
02/10/2018 12:59	0.01	-0.02	1022.69
02/10/2018 14:16	0	-0.03	1021.73
02/10/2018 15:33	0.03	-0.05	1022.69
02/10/2018 16:51	0	-0.04	1023.17
02/10/2018 18:09	0.03	-0.05	1023.17
02/10/2018 19:26	0.02	-0.04	1024.12
02/10/2018 20:44	0	-0.04	1024.6
02/10/2018 22:01	0	-0.04	1024.6
02/10/2018 23:19	0	-0.04	1025.07
03/10/2018 00:36	0	-0.04	1025.55
03/10/2018 01:54	0	-0.03	1025.55
03/10/2018 03:11	0	-0.03	1026.03
03/10/2018 04:29	0	-0.04	1026.51
03/10/2018 05:46	0	-0.05	1026.98
03/10/2018 07:04	0	-0.04	1027.94
03/10/2018 08:21	0	-0.05	1028.41
03/10/2018 09:38	0	-0.04	1029.37
03/10/2018 10:56	0	-0.03	1029.84
03/10/2018 12:13	0	-0.03	1029.84
03/10/2018 13:31	0	-0.03	1029.84
03/10/2018 14:49	0	-0.02	1029.37
03/10/2018 16:07	0.03	-0.03	1028.89
03/10/2018 17:25	0.05	-0.03	1028.89
03/10/2018 18:43	0	-0.03	1028.89
03/10/2018 20:00	0	-0.03	1029.37
03/10/2018 21:18	0	-0.04	1028.41
03/10/2018 22:36	0	-0.04	1028.41
03/10/2018 23:53	0	-0.04	1028.41
04/10/2018 01:11	0	-0.05	1027.94
04/10/2018 02:28	0	-0.04	1027.94
04/10/2018 03:46	0	-0.03	1026.98
04/10/2018 05:03	0	-0.04	1026.98
04/10/2018 06:21	0	-0.04	1026.98
04/10/2018 07:38	0	-0.04	1026.98
04/10/2018 08:56	0	-0.05	1026.98
04/10/2018 10:13	0	-0.05	1026.98
04/10/2018 11:30	0	-0.03	1026.98
04/10/2018 12:48	0	-0.04	1026.51

04/10/2018 14:05	0	-0.04	1026.03
04/10/2018 15:22	0	-0.04	1025.07
04/10/2018 16:40	0	-0.04	1024.6
04/10/2018 17:57	0	-0.04	1024.12
04/10/2018 19:15	0	-0.05	1023.17
04/10/2018 20:33	0	-0.05	1022.69
04/10/2018 21:50	0	-0.05	1022.69
04/10/2018 23:08	0	-0.05	1021.26
05/10/2018 00:26	0	-0.05	1020.78
05/10/2018 01:43	0	-0.05	1020.3
05/10/2018 03:01	0	-0.05	1019.35
05/10/2018 04:18	0	-0.05	1018.39
05/10/2018 05:35	0	-0.05	1017.44
05/10/2018 06:53	0	-0.05	1017.44
05/10/2018 08:10	0	-0.05	1017.44
05/10/2018 09:27	0	-0.04	1017.44
05/10/2018 10:45	0	-0.04	1017.44
05/10/2018 12:02	0	-0.03	1017.44
05/10/2018 13:20	0	-0.04	1016.49
05/10/2018 14:37	0	-0.04	1016.49
05/10/2018 15:55	0	-0.03	1016.01
05/10/2018 17:13	0	-0.04	1015.05
05/10/2018 18:31	0	-0.05	1014.58
05/10/2018 19:49	0	-0.05	1014.1
05/10/2018 21:07	0	-0.05	1013.62
05/10/2018 22:25	0	-0.05	1012.67
05/10/2018 23:42	0	-0.05	1012.19
06/10/2018 01:00	0	-0.05	1012.19
06/10/2018 02:17	0	-0.05	1011.24
06/10/2018 03:35	0	-0.05	1010.28
06/10/2018 04:52	0	-0.04	1009.81
06/10/2018 06:09	0	-0.05	1008.85
06/10/2018 07:27	0	-0.06	1008.85
06/10/2018 08:44	0	-0.03	1009.33
06/10/2018 10:02	0	-0.04	1009.81
06/10/2018 11:19	0.02	-0.01	1009.33
06/10/2018 12:37	0.2	-0.01	1009.33
06/10/2018 13:54	0.15	-0.03	1009.33
06/10/2018 15:12	0.21	-0.04	1009.33
06/10/2018 16:29	0.15	0.02	1010.28
06/10/2018 17:47	0.29	-0.04	1011.24
06/10/2018 19:04	0.21	0.03	1011.71
06/10/2018 20:22	0.26	-0.04	1013.62
06/10/2018 21:39	0.2	0	1014.1
06/10/2018 22:57	0.24	0.05	1015.05
07/10/2018 00:14	0.29	0.04	1015.05
07/10/2018 01:32	0.23	-0.07	1016.96

07/10/2018 02:49	0.06	-0.03	1018.87
07/10/2018 04:07	0	-0.05	1019.83
07/10/2018 05:24	0	-0.03	1020.78
07/10/2018 06:42	0	-0.05	1021.73
07/10/2018 07:59	0	-0.04	1022.69
07/10/2018 09:16	0.08	0	1023.17
07/10/2018 10:34	0.01	-0.03	1023.64
07/10/2018 11:52	0.04	-0.04	1024.12
07/10/2018 13:10	0.02	-0.03	1024.12
07/10/2018 14:27	0	-0.04	1024.12
07/10/2018 15:45	0	-0.04	1024.12
07/10/2018 17:03	0	-0.04	1024.12
07/10/2018 18:21	0	-0.04	1024.12
07/10/2018 19:38	0	-0.05	1024.6
07/10/2018 20:56	0	-0.05	1024.6
07/10/2018 22:14	0	-0.04	1024.6
07/10/2018 23:32	0	-0.05	1024.6
08/10/2018 00:49	0	-0.05	1023.64
08/10/2018 02:07	0	-0.05	1023.64
08/10/2018 03:24	0	-0.05	1023.17
08/10/2018 04:42	0	-0.05	1022.69
08/10/2018 05:59	0	-0.05	1022.69
08/10/2018 07:17	0	-0.05	1022.69
08/10/2018 08:34	0	-0.05	1023.17
08/10/2018 09:51	0	-0.05	1024.12
08/10/2018 11:08	0	-0.04	1024.12
08/10/2018 12:25	0.01	-0.05	1024.12
08/10/2018 13:43	0	-0.02	1023.17
08/10/2018 15:00	0.05	-0.02	1023.17
08/10/2018 16:17	0.03	-0.04	1022.21
08/10/2018 17:35	0	-0.04	1022.21
08/10/2018 18:53	0	-0.04	1021.73
08/10/2018 20:10	0	-0.05	1022.21
08/10/2018 21:28	0	-0.04	1022.69
08/10/2018 22:45	0	-0.05	1022.21
09/10/2018 00:03	0	-0.04	1020.78
09/10/2018 01:21	0	-0.05	1020.78
09/10/2018 02:38	0	-0.04	1020.3
09/10/2018 03:56	0	-0.05	1019.35
09/10/2018 05:13	0	-0.05	1019.35
09/10/2018 06:30	0	-0.05	1019.35
09/10/2018 07:48	0	-0.05	1020.3
09/10/2018 09:05	0	-0.04	1020.3
09/10/2018 10:22	0	-0.03	1020.78
09/10/2018 11:40	0	-0.04	1020.78
09/10/2018 12:57	0	-0.03	1020.78
09/10/2018 14:15	0	-0.03	1020.3

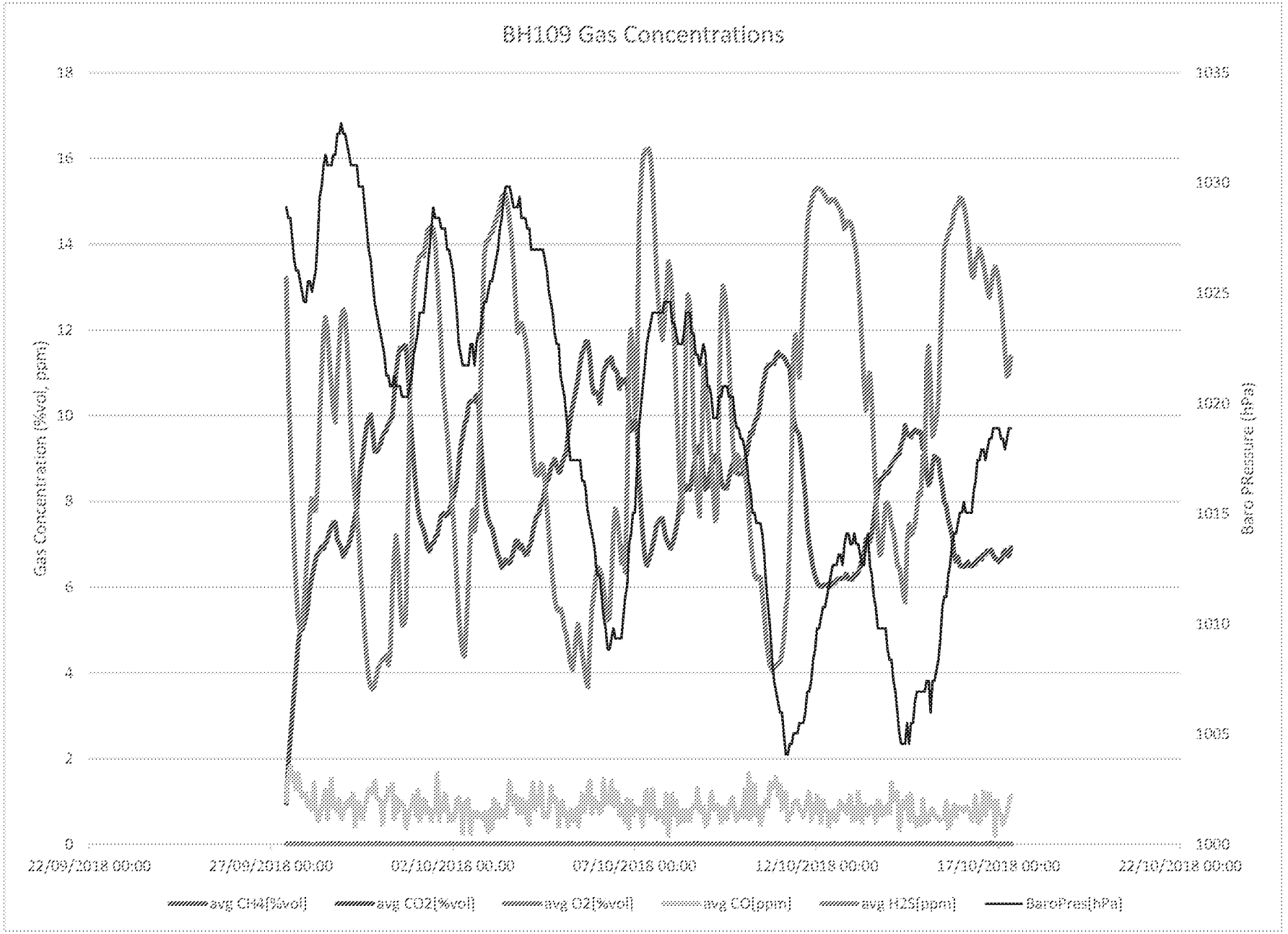
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09/10/2018 16:51	0	-0.03	1020.3
09/10/2018 18:09	0	-0.04	1019.35
09/10/2018 19:27	0	-0.04	1018.87
09/10/2018 20:45	0	-0.05	1018.87
09/10/2018 22:02	0	-0.05	1018.39
09/10/2018 23:20	0	-0.05	1018.39
10/10/2018 00:38	0	-0.05	1017.92
10/10/2018 01:55	0	-0.04	1017.44
10/10/2018 03:12	0	-0.04	1016.49
10/10/2018 04:30	0	-0.05	1016.01
10/10/2018 05:47	0	-0.04	1015.05
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10/10/2018 12:14	0.03	-0.03	1014.1
10/10/2018 13:32	0.02	-0.04	1013.15
10/10/2018 14:50	0	-0.03	1011.71
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10/10/2018 17:26	0.01	-0.04	1009.81
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10/10/2018 20:01	0.03	-0.04	1007.42
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10/10/2018 22:36	0.12	-0.04	1006.47
10/10/2018 23:54	0.01	-0.04	1005.99
11/10/2018 01:12	0	-0.04	1005.99
11/10/2018 02:29	0	-0.04	1005.04
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11/10/2018 10:13	0.03	-0.04	1005.04
11/10/2018 11:31	0.02	-0.03	1005.04
11/10/2018 12:48	0.06	-0.03	1005.51
11/10/2018 14:06	0.03	-0.04	1005.51
11/10/2018 15:23	0.01	-0.02	1005.51
11/10/2018 16:41	0	-0.03	1005.99
11/10/2018 17:59	0	-0.04	1006.94
11/10/2018 19:16	0.03	-0.05	1006.94
11/10/2018 20:34	0.02	-0.03	1007.42
11/10/2018 21:51	0	-0.04	1008.38
11/10/2018 23:09	0	-0.03	1008.85
12/10/2018 00:26	0	-0.04	1009.81
12/10/2018 01:44	0	-0.04	1009.81
12/10/2018 03:01	0.01	-0.02	1010.28

12/10/2018 04:19	0.06	-0.03	1010.76
12/10/2018 05:36	0.03	-0.03	1010.76
12/10/2018 06:54	0.02	-0.03	1011.24
12/10/2018 08:11	0	-0.03	1011.71
12/10/2018 09:28	0.01	-0.02	1012.19
12/10/2018 10:46	0.06	-0.03	1012.67
12/10/2018 12:03	0.01	-0.02	1012.67
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12/10/2018 14:38	0.08	-0.03	1013.15
12/10/2018 15:55	0	-0.03	1013.15
12/10/2018 17:13	0	-0.03	1012.67
12/10/2018 18:31	0.03	-0.01	1013.62
12/10/2018 19:49	0	-0.03	1014.1
12/10/2018 21:06	0.03	-0.02	1014.1
12/10/2018 22:24	0.03	-0.03	1013.62
12/10/2018 23:41	0	-0.04	1013.62
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13/10/2018 02:16	0.03	-0.03	1013.62
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13/10/2018 06:09	0.02	-0.02	1012.67
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13/10/2018 08:43	0	-0.05	1013.62
13/10/2018 10:01	0.03	-0.03	1014.1
13/10/2018 11:18	0	-0.03	1012.67
13/10/2018 12:35	0	-0.03	1012.19
13/10/2018 13:53	0.03	-0.03	1011.24
13/10/2018 15:11	0.01	-0.02	1010.76
13/10/2018 16:28	0	-0.04	1009.81
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13/10/2018 20:21	0	-0.04	1009.81
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13/10/2018 22:56	0	-0.03	1008.85
14/10/2018 00:14	0	-0.04	1008.38
14/10/2018 01:31	0	-0.03	1008.38
14/10/2018 02:49	0	-0.04	1007.42
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14/10/2018 05:24	0	-0.03	1005.99
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14/10/2018 09:16	0.11	-0.03	1004.56
14/10/2018 10:34	0.04	-0.03	1004.56
14/10/2018 11:51	0.14	-0.01	1005.51
14/10/2018 13:09	0.09	-0.03	1004.56
14/10/2018 14:26	0.11	-0.04	1005.51
14/10/2018 15:44	0.07	-0.05	1005.51

14/10/2018 17:01	0.26	-0.01	1006.47
14/10/2018 18:19	0.04	-0.02	1006.94
14/10/2018 19:36	0.04	-0.05	1006.94
14/10/2018 20:54	0.1	-0.04	1006.94
14/10/2018 22:11	0.2	-0.03	1006.94
14/10/2018 23:29	0.18	0	1006.94
15/10/2018 00:46	0.13	-0.02	1007.42
15/10/2018 02:04	0.09	0	1007.42
15/10/2018 03:21	0.02	-0.04	1005.99
15/10/2018 04:39	0	-0.05	1007.42
15/10/2018 05:56	0	-0.04	1007.42
15/10/2018 07:13	0	-0.05	1007.9
15/10/2018 08:31	0	-0.05	1008.38
15/10/2018 09:48	0	-0.05	1009.33
15/10/2018 11:06	0	-0.01	1010.76
15/10/2018 12:23	0	-0.04	1011.24
15/10/2018 13:40	0	-0.05	1011.24
15/10/2018 14:58	0	-0.04	1012.19
15/10/2018 16:15	0	-0.02	1012.67
15/10/2018 17:33	0	-0.04	1013.62
15/10/2018 18:51	0	-0.04	1014.1
15/10/2018 20:08	0	-0.04	1014.1
15/10/2018 21:26	0	-0.04	1014.58
15/10/2018 22:44	0	-0.05	1015.05
16/10/2018 00:01	0	-0.04	1015.05
16/10/2018 01:19	0	-0.04	1015.53
16/10/2018 02:36	0	-0.05	1015.05
16/10/2018 03:53	0	-0.03	1015.05
16/10/2018 05:11	0	-0.04	1015.05
16/10/2018 06:28	0	-0.04	1015.05
16/10/2018 07:46	0	-0.05	1016.01
16/10/2018 09:03	0	-0.04	1016.49
16/10/2018 10:20	0.03	-0.03	1017.44
16/10/2018 11:38	0.03	-0.02	1017.44
16/10/2018 12:55	0.02	-0.02	1017.92
16/10/2018 14:13	0.03	-0.04	1017.92
16/10/2018 15:31	0	-0.03	1017.44
16/10/2018 16:48	0	-0.04	1017.92
16/10/2018 18:06	0	-0.04	1018.39
16/10/2018 19:24	0	-0.03	1018.39
16/10/2018 20:41	0	-0.03	1018.87
16/10/2018 21:59	0	-0.04	1018.87
16/10/2018 23:16	0	-0.04	1018.87
17/10/2018 00:34	0.03	-0.04	1018.87
17/10/2018 01:51	0	-0.04	1018.39
17/10/2018 03:09	0	-0.04	1018.39
17/10/2018 04:26	0	-0.04	1017.92

17/10/2018 05:44	0	-0.05	1018.39
17/10/2018 07:01	0	-0.05	1018.87
17/10/2018 08:19	0	-0.05	1018.87

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH109

Time	avg CH4[%	avg CO2[%	avg O2[%v	avg CO[ppi	avg H2S[pp	BaroPres[hPa]
27/09/2018 10:08	0.02	0.96	13.21	1.02	0	1028.89
27/09/2018 11:25	0.01	1.91	10.72	1.53	0	1028.41
27/09/2018 12:43	0.02	2.44	9.42	1.83	0	1028.41
27/09/2018 14:00	0.01	3	8.11	1.7	0	1027.46
27/09/2018 15:18	0.01	3.58	6.88	1.49	0	1026.51
27/09/2018 16:36	0.02	4.17	5.97	1.28	0	1026.03
27/09/2018 17:54	0.01	4.68	5.26	1.66	0	1026.03
27/09/2018 19:11	0.01	4.96	4.98	1.36	0	1025.55
27/09/2018 20:29	0.02	5	5.13	1.11	0	1025.07
27/09/2018 21:47	0.01	5.15	5.65	1.19	0	1024.6
27/09/2018 23:05	0.01	5.33	6.29	1.19	0	1024.6
28/09/2018 00:23	0.01	5.58	7	0.89	0	1025.55
28/09/2018 01:40	0.01	6	7.71	0.93	0	1025.55
28/09/2018 02:58	0	6.23	8.07	0.81	0	1025.07
28/09/2018 04:15	0	6.43	7.78	1.45	0	1025.55
28/09/2018 05:32	0.01	6.66	7.79	0.89	0	1026.03
28/09/2018 06:50	0.01	6.8	8.43	0.55	0	1027.46
28/09/2018 08:07	0.01	6.84	9.94	0.64	0	1029.37
28/09/2018 09:25	0.01	6.94	11.06	0.85	0	1029.84
28/09/2018 10:42	0.02	6.9	11.99	1.06	0	1030.8
28/09/2018 11:59	0.01	7.02	12.29	1.28	0	1031.28
28/09/2018 13:17	0.01	7.13	12.01	0.6	0	1030.8
28/09/2018 14:35	0.02	7.3	11.29	1.14	0	1030.8
28/09/2018 15:52	0.02	7.41	10.68	1.53	0	1030.8
28/09/2018 17:10	0.02	7.52	10.09	0.85	0	1031.28
28/09/2018 18:28	0.01	7.52	9.85	0.98	0	1031.28
28/09/2018 19:46	0.02	7.1	10.93	0.76	0	1032.23
28/09/2018 21:04	0.02	7.02	11.68	1.06	0	1032.23
28/09/2018 22:21	0.01	6.91	12.28	0.59	0	1032.71
28/09/2018 23:39	0.01	6.71	12.48	0.72	0	1032.23
29/09/2018 00:56	0.01	6.82	12.36	0.94	0	1032.23
29/09/2018 02:14	0.01	6.9	11.69	1.02	0	1031.75
29/09/2018 03:31	0.01	7.02	10.75	0.89	0	1031.28
29/09/2018 04:49	0.01	7.2	9.66	1.02	0	1030.8
29/09/2018 06:06	0.01	7.4	8.74	1.19	0	1030.8
29/09/2018 07:24	0.01	7.63	8.08	0.42	0	1030.8
29/09/2018 08:41	0.02	7.86	7.73	0.89	0	1030.8
29/09/2018 09:59	0.01	8.47	7.1	0.98	0	1029.84
29/09/2018 11:16	0.01	8.84	6.31	0.64	0	1029.84
29/09/2018 12:34	0	9.08	5.62	0.59	0	1029.84
29/09/2018 13:51	0.01	9.44	4.91	0.89	0	1028.89

29/09/2018 15:09	0.01	9.77	4.34	1.06	0	1027.94
29/09/2018 16:27	0.02	9.92	3.89	1.28	0	1026.98
29/09/2018 17:45	0.01	10.03	3.67	1.23	0	1026.51
29/09/2018 19:03	0.01	9.68	3.62	1.19	0	1025.55
29/09/2018 20:21	0.02	9.17	3.73	1.49	0	1024.6
29/09/2018 21:39	0.02	9.17	3.93	1.14	0	1024.12
29/09/2018 22:56	0.01	9.24	4.15	1.02	0	1023.64
30/09/2018 00:14	0.02	9.33	4.22	1.06	0	1023.17
30/09/2018 01:32	0.01	9.52	4.28	0.46	0	1022.69
30/09/2018 02:49	0.01	9.59	4.38	0.98	0	1022.21
30/09/2018 04:07	0.01	9.66	4.41	1.06	0	1021.26
30/09/2018 05:24	0.01	9.82	4.19	1.32	0	1021.26
30/09/2018 06:42	0.01	9.88	4.45	1.23	0	1020.78
30/09/2018 07:59	0.02	9.96	5.83	1.41	0	1020.78
30/09/2018 09:16	0	10.48	6.73	0.59	0	1021.26
30/09/2018 10:34	0.01	10.99	7.2	1.11	0	1020.78
30/09/2018 11:51	0.01	11.38	6.74	0.76	0	1020.78
30/09/2018 13:09	0.02	11.58	5.77	1.02	0	1020.78
30/09/2018 14:27	0.02	11.56	5.11	0.98	0	1020.3
30/09/2018 15:44	0.02	11.64	5.11	0.89	0	1020.3
30/09/2018 17:02	0.01	11.63	5.36	0.38	0	1020.3
30/09/2018 18:19	0.02	11.05	7.76	0.59	0	1020.3
30/09/2018 19:37	0.01	10.19	10.29	0.85	0	1020.78
30/09/2018 20:55	0.01	9.55	11.81	0.89	0	1021.26
30/09/2018 22:12	0.02	8.93	12.78	1.14	0	1022.21
30/09/2018 23:30	0.02	8.31	13.32	0.68	0	1022.69
01/10/2018 00:47	0.01	7.88	13.54	1.28	0	1023.17
01/10/2018 02:05	0.01	7.59	13.72	0.55	0	1024.12
01/10/2018 03:22	0.01	7.47	13.78	0.72	0	1024.12
01/10/2018 04:40	0.01	7.34	13.73	1.06	0	1024.12
01/10/2018 05:57	0.02	7.16	13.99	1.02	0	1025.07
01/10/2018 07:15	0.01	6.93	14.3	0.72	0	1026.03
01/10/2018 08:32	0.02	6.83	14.4	0.85	0	1026.98
01/10/2018 09:50	0.01	7	14.42	0.55	0	1027.94
01/10/2018 11:07	0.01	7.02	14.36	0.76	0	1028.89
01/10/2018 12:25	0.01	7.15	14.04	0.85	0	1028.41
01/10/2018 13:43	0.02	7.23	13.23	1.66	0	1028.41
01/10/2018 15:01	0.01	7.45	12.48	0.55	0	1028.41
01/10/2018 16:19	0	7.67	11.61	0.94	0	1027.94
01/10/2018 17:37	0.01	7.73	10.67	0.81	0	1027.94
01/10/2018 18:54	0.01	7.66	10.11	1.19	0	1027.94
01/10/2018 20:12	0.01	7.68	9.61	0.94	0	1026.98
01/10/2018 21:30	0.01	7.76	9.08	0.55	0	1026.98
01/10/2018 22:47	0.02	7.93	8.34	0.72	0	1026.51
02/10/2018 00:05	0.01	8.05	7.75	0.55	0	1026.03
02/10/2018 01:22	0.01	8.24	7.02	0.68	0	1025.07
02/10/2018 02:40	0.01	8.48	6.14	1.06	0	1024.12

02/10/2018 03:57	0.01	8.92	5.34	1.11	0	1022.69
02/10/2018 05:15	0.01	9.28	4.82	0.89	0	1022.21
02/10/2018 06:32	0.01	9.52	4.46	0.25	0	1021.73
02/10/2018 07:50	0.01	9.81	4.38	0.93	0	1021.73
02/10/2018 09:07	0.02	9.92	5.26	1.02	0	1021.73
02/10/2018 10:24	0.01	10.24	6.17	1.06	0	1021.73
02/10/2018 11:41	0.01	10.34	7.35	0.25	0	1022.69
02/10/2018 12:59	0.02	10.34	7.81	0.76	0	1022.69
02/10/2018 14:16	0.01	10.34	7.3	0.63	0	1021.73
02/10/2018 15:33	0.01	10.49	7.59	0.76	0	1022.69
02/10/2018 16:51	0.01	10.35	8.49	0.64	0	1023.17
02/10/2018 18:09	0.01	9.59	10.42	0.72	0	1023.17
02/10/2018 19:26	0.02	8.92	12.35	0.59	0	1024.12
02/10/2018 20:44	0.02	8.24	13.75	0.76	0	1024.6
02/10/2018 22:01	0.01	7.78	14.05	0.47	0	1024.6
02/10/2018 23:19	0.01	7.6	14.11	0.28	0	1025.07
03/10/2018 00:36	0.01	7.46	14.21	0.81	0	1025.55
03/10/2018 01:54	0.01	7.38	14.26	0.38	0	1025.55
03/10/2018 03:11	0.01	7.18	14.43	1.06	0	1026.03
03/10/2018 04:29	0.02	6.94	14.56	0.64	0	1026.51
03/10/2018 05:46	0.01	6.76	14.7	0.94	0	1026.98
03/10/2018 07:04	0.02	6.64	14.89	0.64	0	1027.94
03/10/2018 08:21	0.02	6.45	15.08	0.81	0	1028.41
03/10/2018 09:38	0.02	6.53	15.18	0.68	0	1029.37
03/10/2018 10:56	0.02	6.64	15.16	0.64	0	1029.84
03/10/2018 12:13	0.01	6.62	14.92	1.02	0	1029.84
03/10/2018 13:31	0.01	6.55	14.52	1.49	0	1029.84
03/10/2018 14:49	0.01	6.69	14.12	1.11	0	1029.37
03/10/2018 16:07	0.01	6.85	13.49	0.93	0	1028.89
03/10/2018 17:25	0.01	7.05	12.64	1.14	0	1028.89
03/10/2018 18:43	0.01	7.09	11.94	0.72	0	1028.89
03/10/2018 20:00	0.02	6.91	12.08	0.85	0	1029.37
03/10/2018 21:18	0.01	6.99	12.17	1.06	0	1028.41
03/10/2018 22:36	0.01	6.86	12.01	0.72	0	1028.41
03/10/2018 23:53	0.02	6.75	11.8	0.98	0	1028.41
04/10/2018 01:11	0.01	6.77	11.41	0.59	0	1027.94
04/10/2018 02:28	0.01	6.96	10.73	0.46	0	1027.94
04/10/2018 03:46	0.01	7.06	9.89	1.19	0	1026.98
04/10/2018 05:03	0.01	7.35	8.98	1.45	0	1026.98
04/10/2018 06:21	0.01	7.54	8.66	0.81	0	1026.98
04/10/2018 07:38	0.01	7.69	8.61	1.11	0	1026.98
04/10/2018 08:56	0.01	7.73	8.67	0.94	0	1026.98
04/10/2018 10:13	0.01	7.96	8.88	1.45	0	1026.98
04/10/2018 11:30	0.01	8.02	8.84	0.64	0	1026.98
04/10/2018 12:48	0.01	8.3	8.44	0.76	0	1026.51
04/10/2018 14:05	0.01	8.48	7.85	0.64	0	1026.03
04/10/2018 15:22	0.02	8.56	7.28	0.76	0	1025.07

04/10/2018 16:40	0.02	8.78	6.68	1.36	0	1024.6
04/10/2018 17:57	0.02	8.89	6.15	1.02	0	1024.12
04/10/2018 19:15	0.01	8.99	5.75	1.1	0	1023.17
04/10/2018 20:33	0.02	8.82	5.48	0.98	0	1022.69
04/10/2018 21:50	0.02	8.68	5.44	0.42	0	1022.69
04/10/2018 23:08	0.01	8.74	5.5	0.81	0	1021.26
05/10/2018 00:26	0.01	8.94	5.33	1.02	0	1020.78
05/10/2018 01:43	0.01	9.05	5.03	0.68	0	1020.3
05/10/2018 03:01	0.02	9.19	4.88	0.76	0	1019.35
05/10/2018 04:18	0.02	9.63	4.55	0.42	0	1018.39
05/10/2018 05:35	0.02	9.94	4.26	0.81	0	1017.44
05/10/2018 06:53	0.02	10.18	4.08	0.68	0	1017.44
05/10/2018 08:10	0.01	10.41	4.37	0.55	0	1017.44
05/10/2018 09:27	0	10.65	4.91	0.85	0	1017.44
05/10/2018 10:45	0.01	10.87	5.14	0.42	0	1017.44
05/10/2018 12:02	0.01	11.22	4.82	0.72	0	1017.44
05/10/2018 13:20	0.02	11.47	4.46	1.19	0	1016.49
05/10/2018 14:37	0.01	11.56	4.13	0.76	0	1016.49
05/10/2018 15:55	0.01	11.73	3.81	0.93	0	1016.01
05/10/2018 17:13	0.02	11.73	3.68	1.32	0	1015.05
05/10/2018 18:31	0.02	11.35	4.76	1.49	0	1014.58
05/10/2018 19:49	0.02	10.75	5.5	0.72	0	1014.1
05/10/2018 21:07	0.01	10.52	5.86	1.1	0	1013.62
05/10/2018 22:25	0.02	10.55	6.26	0.89	0	1012.67
05/10/2018 23:42	0.01	10.53	6.47	0.98	0	1012.19
06/10/2018 01:00	0.01	10.28	6.4	0.72	0	1012.19
06/10/2018 02:17	0.01	10.66	6.3	0.76	0	1011.24
06/10/2018 03:35	0.01	11.04	5.95	1.53	0	1010.28
06/10/2018 04:52	0.01	11.14	5.56	0.93	0	1009.81
06/10/2018 06:09	0.01	11.3	5.23	0.98	0	1008.85
06/10/2018 07:27	0.01	11.24	5.31	0.98	0	1008.85
06/10/2018 08:44	0.02	11.36	6.21	1.49	0	1009.33
06/10/2018 10:02	0.01	11.11	7.39	0.89	0	1009.81
06/10/2018 11:19	0.02	11.08	7.83	0.98	0	1009.33
06/10/2018 12:37	0.02	10.99	7.63	1.23	0	1009.33
06/10/2018 13:54	0.02	10.63	7.19	0.68	0	1009.33
06/10/2018 15:12	0.01	10.85	6.56	0.93	0	1009.33
06/10/2018 16:29	0.01	10.78	6.96	0.72	0	1010.28
06/10/2018 17:47	0.01	10.85	6.35	0.51	0	1011.24
06/10/2018 19:04	0.01	10.75	8.41	1.06	0	1011.71
06/10/2018 20:22	0	10.02	11.52	0.38	0	1013.62
06/10/2018 21:39	0.01	9.64	12.01	1.02	0	1014.1
06/10/2018 22:57	0.01	9.69	11.51	0.68	0	1015.05
07/10/2018 00:14	0.01	9.9	10.02	0.89	0	1015.05
07/10/2018 01:32	0.01	9.75	10.34	0.81	0	1016.96
07/10/2018 02:49	0.01	8.64	14.45	0.85	0	1018.87
07/10/2018 04:07	0.01	7.87	15.4	0.68	0	1019.83

07/10/2018 05:24	0.01	7.22	16.02	0.42	0	1020.78
07/10/2018 06:42	0.02	6.7	16.17	1.1	0	1021.73
07/10/2018 07:59	0.01	6.51	16.21	1.28	0	1022.69
07/10/2018 09:16	0.01	6.62	16.23	0.85	0	1023.17
07/10/2018 10:34	0	6.77	16.03	0.68	0	1023.64
07/10/2018 11:52	0.01	6.96	15.44	1.28	0	1024.12
07/10/2018 13:10	0.01	7.17	14.41	0.81	0	1024.12
07/10/2018 14:27	0.02	7.45	13.37	0.59	0	1024.12
07/10/2018 15:45	0.01	7.52	12.59	0.8	0	1024.12
07/10/2018 17:03	0.01	7.58	12.13	0.81	0	1024.12
07/10/2018 18:21	0.01	7.61	11.77	0.64	0	1024.12
07/10/2018 19:38	0.01	7.31	12.19	0.51	0	1024.6
07/10/2018 20:56	0.01	7.11	12.88	1.19	0	1024.6
07/10/2018 22:14	0.01	7.01	13.6	0.21	0	1024.6
07/10/2018 23:32	0.01	6.9	13.39	0.72	0	1024.6
08/10/2018 00:49	0	6.99	12.79	1.19	0	1023.64
08/10/2018 02:07	0.01	7.16	11.72	0.68	0	1023.64
08/10/2018 03:24	0.01	7.37	10.55	1.02	0	1023.17
08/10/2018 04:42	0.01	7.62	9.39	0.47	0	1022.69
08/10/2018 05:59	0.01	8	8.28	0.51	0	1022.69
08/10/2018 07:17	0.01	8.16	7.75	0.8	0	1022.69
08/10/2018 08:34	0.01	8.36	9.08	0.55	0	1023.17
08/10/2018 09:51	0.02	8.27	11.86	0.8	0	1024.12
08/10/2018 11:08	0.01	8.38	12.83	0.77	0	1024.12
08/10/2018 12:25	0.01	8.28	12.6	0.55	0	1024.12
08/10/2018 13:43	0.01	8.52	11.66	0.81	0	1023.17
08/10/2018 15:00	0.02	8.8	9.53	0.93	0	1023.17
08/10/2018 16:17	0.02	9.11	8.57	0.85	0	1022.21
08/10/2018 17:35	0.02	9.18	8.02	1.32	0	1022.21
08/10/2018 18:53	0.02	9.32	7.65	0.76	0	1021.73
08/10/2018 20:10	0.01	9.08	9.11	0.76	0	1022.21
08/10/2018 21:28	0.02	8.61	11.17	0.89	0	1022.69
08/10/2018 22:45	0.01	8.28	10.79	0.42	0	1022.21
09/10/2018 00:03	0.02	8.34	10.21	0.51	0	1020.78
09/10/2018 01:21	0.01	8.63	9.65	0.81	0	1020.78
09/10/2018 02:38	0.01	8.83	9.03	1.23	0	1020.3
09/10/2018 03:56	0.01	8.9	8.14	0.81	0	1019.35
09/10/2018 05:13	0.01	9.08	7.54	0.89	0	1019.35
09/10/2018 06:30	0.01	9.1	7.72	0.93	0	1019.35
09/10/2018 07:48	0	8.91	10.59	0.72	0	1020.3
09/10/2018 09:05	0.02	8.52	12.48	0.51	0	1020.3
09/10/2018 10:22	0.01	8.33	13.03	0.85	0	1020.78
09/10/2018 11:40	0.01	8.3	12.79	0.72	0	1020.78
09/10/2018 12:57	0.01	8.31	12.2	0.59	0	1020.78
09/10/2018 14:15	0.01	8.56	11.3	0.89	0	1020.3
09/10/2018 15:33	0.02	8.73	10.27	1.02	0	1020.3
09/10/2018 16:51	0.02	8.89	9.32	1.1	0	1020.3

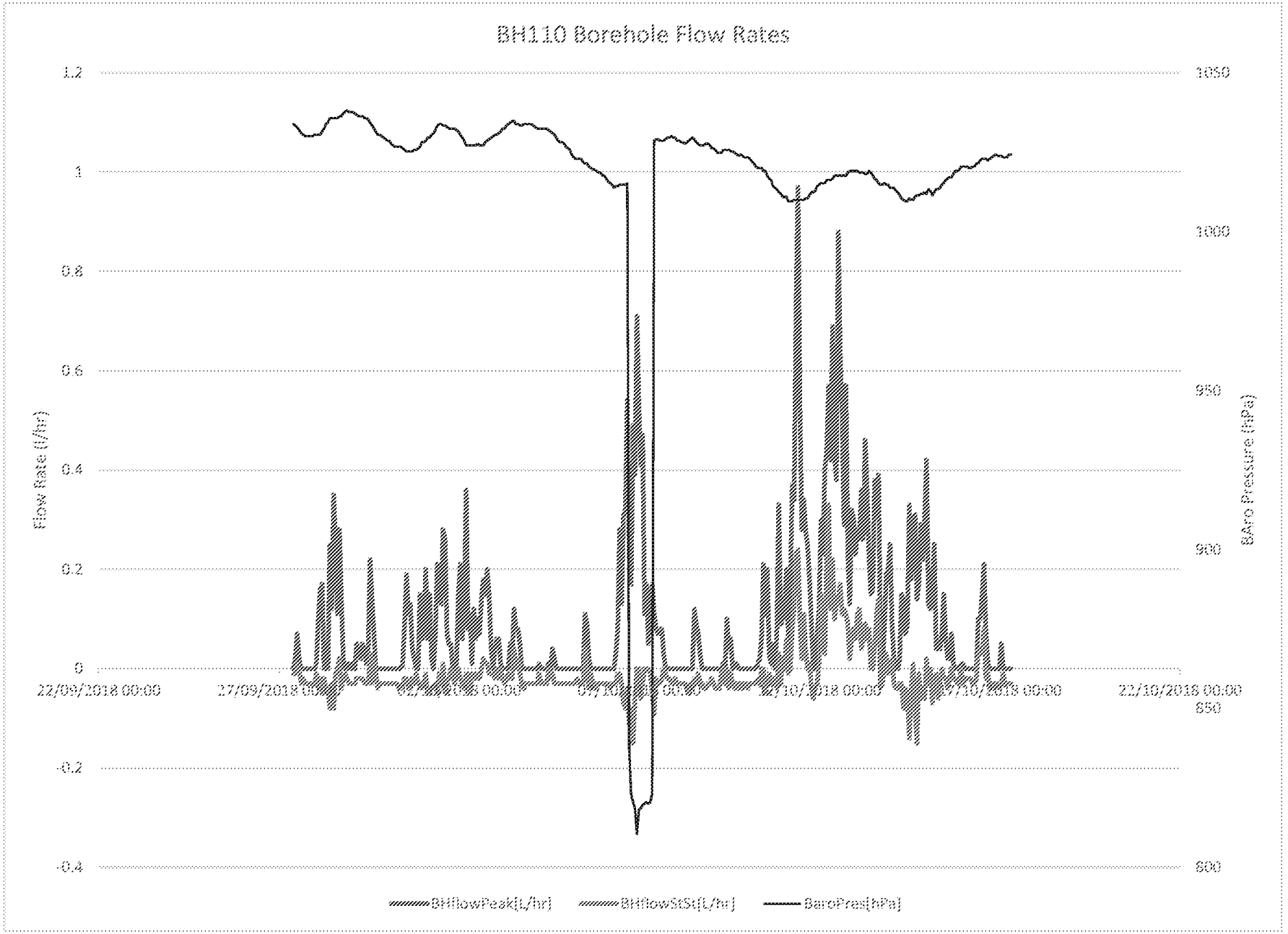
09/10/2018 18:09	0.01	8.96	8.67	0.72	0	1019.35
09/10/2018 19:27	0.02	8.68	9.1	0.55	0	1018.87
09/10/2018 20:45	0.01	8.64	9.02	0.68	0	1018.87
09/10/2018 22:02	0.02	8.65	8.82	0.81	0	1018.39
09/10/2018 23:20	0.01	8.65	8.9	0.63	0	1018.39
10/10/2018 00:38	0.01	8.94	8.8	1.28	0	1017.92
10/10/2018 01:55	0.01	9.09	8.35	0.64	0	1017.44
10/10/2018 03:12	0.01	9.34	7.79	1.66	0	1016.49
10/10/2018 04:30	0.01	9.61	7.15	0.59	0	1016.01
10/10/2018 05:47	0.02	9.59	6.71	1.14	0	1015.05
10/10/2018 07:05	0.02	9.82	6.28	1.4	0	1015.05
10/10/2018 08:22	0.02	9.92	6.18	0.68	0	1014.58
10/10/2018 09:39	0.01	10.03	6.24	0.89	0	1014.58
10/10/2018 10:57	0.01	10.3	6.23	0.46	0	1014.58
10/10/2018 12:14	0.01	10.66	5.83	0.64	0	1014.1
10/10/2018 13:32	0.01	10.85	5.36	0.93	0	1013.15
10/10/2018 14:50	0.02	11.08	4.78	1.06	0	1011.71
10/10/2018 16:08	0.02	11.19	4.4	0.89	0	1010.76
10/10/2018 17:26	0.01	11.17	4.16	1.45	0	1009.81
10/10/2018 18:44	0.01	11.21	4.07	1.32	0	1008.38
10/10/2018 20:01	0	11.21	4.13	1.32	0	1007.42
10/10/2018 21:19	0.02	11.37	4.16	1.58	0	1006.94
10/10/2018 22:36	0.01	11.49	4.2	1.14	0	1006.47
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11/10/2018 07:39	0.02	10.53	9.21	0.72	0	1004.56
11/10/2018 08:56	0.01	9.97	11.49	0.98	0	1005.04
11/10/2018 10:13	0.01	9.69	11.9	1.02	0	1005.04
11/10/2018 11:31	0.01	9.63	11.46	1.02	0	1005.04
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11/10/2018 15:23	0	8.58	12.8	0.64	0	1005.51
11/10/2018 16:41	0.02	8.13	13.55	0.85	0	1005.99
11/10/2018 17:59	0.02	7.41	14.48	1.06	0	1006.94
11/10/2018 19:16	0.01	6.99	14.8	1.23	0	1006.94
11/10/2018 20:34	0.01	6.74	14.99	0.55	0	1007.42
11/10/2018 21:51	0.02	6.45	15.15	0.93	0	1008.38
11/10/2018 23:09	0.01	6.25	15.27	0.72	0	1008.85
12/10/2018 00:26	0.01	6.12	15.31	1.14	0	1009.81
12/10/2018 01:44	0.01	6.03	15.29	0.8	0	1009.81
12/10/2018 03:01	0	6.02	15.28	0.51	0	1010.28
12/10/2018 04:19	0.01	6.02	15.22	1.02	0	1010.76
12/10/2018 05:36	0.01	6.06	15.13	0.81	0	1010.76

12/10/2018 06:54	0.01	6.04	15.04	0.81	0	1011.24
12/10/2018 08:11	0.01	6.07	14.98	0.42	0	1011.71
12/10/2018 09:28	0.01	6.01	15.05	0.63	0	1012.19
12/10/2018 10:46	0.02	6.1	15.03	0.8	0	1012.67
12/10/2018 12:03	0.02	6.09	15.05	0.59	0	1012.67
12/10/2018 13:20	0	6.16	14.95	0.55	0	1012.67
12/10/2018 14:38	0.01	6.2	14.86	0.85	0	1013.15
12/10/2018 15:55	0.01	6.21	14.81	1.02	0	1013.15
12/10/2018 17:13	0.01	6.2	14.59	0.81	0	1012.67
12/10/2018 18:31	0.01	6.23	14.35	0.89	0	1013.62
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12/10/2018 21:06	0.01	6.19	14.54	0.98	0	1014.1
12/10/2018 22:24	0.02	6.2	14.51	1.14	0	1013.62
12/10/2018 23:41	0.02	6.17	14.35	0.55	0	1013.62
13/10/2018 00:59	0.01	6.31	14.06	0.89	0	1014.1
13/10/2018 02:16	0.01	6.28	13.8	0.59	0	1013.62
13/10/2018 03:34	0.02	6.37	13.24	1.23	0	1013.62
13/10/2018 04:51	0.01	6.46	12.5	0.93	0	1013.15
13/10/2018 06:09	0.01	6.7	11.63	0.51	0	1012.67
13/10/2018 07:26	0.02	6.79	10.73	0.93	0	1012.67
13/10/2018 08:43	0.01	7.11	10.11	0.76	0	1013.62
13/10/2018 10:01	0.02	7.07	10.8	0.68	0	1014.1
13/10/2018 11:18	0.02	7.07	11	0.89	0	1012.67
13/10/2018 12:35	0.01	7.28	10.35	0.89	0	1012.19
13/10/2018 13:53	0.01	7.58	9.24	0.89	0	1011.24
13/10/2018 15:11	0.01	7.94	8.16	0.51	0	1010.76
13/10/2018 16:28	0.02	8.25	7.31	1.02	0	1009.81
13/10/2018 17:46	0.01	8.47	6.74	0.98	0	1009.81
13/10/2018 19:04	0.02	8.55	6.86	0.72	0	1009.81
13/10/2018 20:21	0.01	8.6	7.39	0.68	0	1009.81
13/10/2018 21:39	0.02	8.69	7.94	0.85	0	1009.81
13/10/2018 22:56	0.02	8.66	7.97	0.94	0	1008.85
14/10/2018 00:14	0.01	8.76	7.8	0.72	0	1008.38
14/10/2018 01:31	0.02	8.88	7.45	1.45	0	1008.38
14/10/2018 02:49	0.02	8.94	7.28	1.02	0	1007.42
14/10/2018 04:07	0.02	8.99	6.94	1.06	0	1006.94
14/10/2018 05:24	0.01	9.11	6.5	1.23	0	1005.99
14/10/2018 06:41	0.01	9.11	6.46	0.34	0	1005.04
14/10/2018 07:59	0.01	9.36	6.21	0.68	0	1004.56
14/10/2018 09:16	0.02	9.44	5.84	1.02	0	1004.56
14/10/2018 10:34	0.01	9.78	5.65	0.85	0	1004.56
14/10/2018 11:51	0.01	9.56	7.1	1.11	0	1005.51
14/10/2018 13:09	0.01	9.55	7.47	0.55	0	1004.56
14/10/2018 14:26	0.01	9.5	7.21	1.19	0	1005.51
14/10/2018 15:44	0.01	9.63	7.31	0.72	0	1005.51
14/10/2018 17:01	0.01	9.67	7.47	0.55	0	1006.47
14/10/2018 18:19	0.02	9.61	7.84	0.42	0	1006.94

14/10/2018 19:36	0.02	9.64	8.23	0.64	0	1006.94
14/10/2018 20:54	0.02	9.6	8.16	0.46	0	1006.94
14/10/2018 22:11	0.02	9.22	9.09	1.06	0	1006.94
14/10/2018 23:29	0.01	9.23	8.85	0.72	0	1006.94
15/10/2018 00:46	0.02	8.59	11.21	0.51	0	1007.42
15/10/2018 02:04	0.01	8.38	11.62	0.59	0	1007.42
15/10/2018 03:21	0.01	8.52	10.7	0.76	0	1005.99
15/10/2018 04:39	0.02	8.86	9.51	0.85	0	1007.42
15/10/2018 05:56	0.01	9.06	9.69	0.68	0	1007.42
15/10/2018 07:13	0.01	8.96	9.94	0.6	0	1007.9
15/10/2018 08:31	0.02	8.99	10.37	0.64	0	1008.38
15/10/2018 09:48	0.02	8.61	11.76	0.55	0	1009.33
15/10/2018 11:06	0.01	8.33	12.97	0.59	0	1010.76
15/10/2018 12:23	0.01	7.99	13.91	0.59	0	1011.24
15/10/2018 13:40	0.02	7.91	14.07	1.02	0	1011.24
15/10/2018 14:58	0.01	7.6	14.23	0.38	0	1012.19
15/10/2018 16:15	0.01	7.41	14.35	0.42	0	1012.67
15/10/2018 17:33	0.02	7.2	14.48	0.76	0	1013.62
15/10/2018 18:51	0.01	6.78	14.75	0.93	0	1014.1
15/10/2018 20:08	0	6.6	14.88	0.64	0	1014.1
15/10/2018 21:26	0.01	6.71	14.91	0.89	0	1014.58
15/10/2018 22:44	0.01	6.49	15.08	0.81	0	1015.05
16/10/2018 00:01	0.01	6.5	15.06	0.85	0	1015.05
16/10/2018 01:19	0.01	6.48	14.9	0.76	0	1015.53
16/10/2018 02:36	0	6.49	14.66	0.89	0	1015.05
16/10/2018 03:53	0.01	6.6	14.29	0.85	0	1015.05
16/10/2018 05:11	0.01	6.49	13.76	0.76	0	1015.05
16/10/2018 06:28	0.02	6.5	13.27	0.55	0	1015.05
16/10/2018 07:46	0.02	6.56	13.22	0.76	0	1016.01
16/10/2018 09:03	0.01	6.54	13.61	1.14	0	1016.49
16/10/2018 10:20	0.01	6.66	13.74	0.55	0	1017.44
16/10/2018 11:38	0	6.68	13.9	0.5	0	1017.44
16/10/2018 12:55	0.01	6.65	13.75	0.64	0	1017.92
16/10/2018 14:13	0.01	6.76	13.51	1.23	0	1017.92
16/10/2018 15:31	0.01	6.76	13.28	0.68	0	1017.44
16/10/2018 16:48	0.02	6.85	12.94	0.93	0	1017.92
16/10/2018 18:06	0.02	6.83	12.76	1.19	0	1018.39
16/10/2018 19:24	0.03	6.87	13.06	0.85	0	1018.39
16/10/2018 20:41	0.02	6.75	13.35	1.02	0	1018.87
16/10/2018 21:59	0.01	6.66	13.48	0.21	0	1018.87
16/10/2018 23:16	0.01	6.65	13.36	1.02	0	1018.87
17/10/2018 00:34	0.01	6.58	13.07	0.68	0	1018.87
17/10/2018 01:51	0.01	6.64	12.66	0.72	0	1018.39
17/10/2018 03:09	0.01	6.76	12.11	0.46	0	1018.39
17/10/2018 04:26	0.01	6.87	11.5	0.64	0	1017.92
17/10/2018 05:44	0.02	6.76	10.92	0.72	0	1018.39
17/10/2018 07:01	0.01	6.72	11	0.98	0	1018.87

17/10/2018 08:19	0.02	6.93	11.37	1.14	0	1018.87

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

BH110

Time	BHflowPeak[L/hr]	BHflowStSt[L/hr]	BaroPres[hPa]
27/09/2018 09:39	0	-0.01	1033.86
27/09/2018 10:55	0.02	-0.01	1033.38
27/09/2018 12:12	0.07	0.01	1032.91
27/09/2018 13:28	0.02	0	1031.95
27/09/2018 14:45	0	-0.03	1031
27/09/2018 16:02	0	-0.02	1030.52
27/09/2018 17:19	0	-0.03	1030.04
27/09/2018 18:36	0	-0.03	1030.04
27/09/2018 19:52	0	-0.03	1030.04
27/09/2018 21:09	0	-0.03	1030.04
27/09/2018 22:26	0	-0.03	1030.04
27/09/2018 23:43	0	-0.03	1030.52
28/09/2018 01:00	0.01	-0.01	1030.52
28/09/2018 02:16	0.1	-0.04	1030.52
28/09/2018 03:33	0.16	-0.02	1030.52
28/09/2018 04:50	0.17	-0.05	1031.47
28/09/2018 06:06	0	-0.02	1032.43
28/09/2018 07:23	0	-0.04	1033.86
28/09/2018 08:40	0	-0.04	1034.34
28/09/2018 09:56	0.25	-0.08	1035.77
28/09/2018 11:12	0.12	-0.03	1035.77
28/09/2018 12:29	0.35	-0.08	1035.77
28/09/2018 13:45	0.25	-0.01	1035.77
28/09/2018 15:01	0.11	0	1035.77
28/09/2018 16:18	0.28	0.02	1036.25
28/09/2018 17:35	0.14	-0.04	1036.25
28/09/2018 18:52	0.02	-0.02	1037.2
28/09/2018 20:08	0	-0.01	1037.68
28/09/2018 21:25	0	-0.02	1038.16
28/09/2018 22:42	0.01	-0.03	1037.68
28/09/2018 23:59	0	-0.03	1037.68
29/09/2018 01:16	0.01	-0.03	1037.68
29/09/2018 02:32	0	-0.03	1037.2
29/09/2018 03:49	0.05	-0.02	1036.73
29/09/2018 05:06	0.03	-0.02	1036.25
29/09/2018 06:23	0.02	-0.02	1036.25
29/09/2018 07:39	0.05	-0.02	1036.25
29/09/2018 08:56	0.04	-0.03	1035.77
29/09/2018 10:12	0.01	-0.03	1035.77
29/09/2018 11:28	0.04	-0.03	1035.29

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29/09/2018 12:44	0.22	0.03	1034.34
29/09/2018 14:00	0.14	-0.03	1033.38
29/09/2018 15:17	0.07	0.02	1032.43
29/09/2018 16:34	0	-0.01	1031.47
29/09/2018 17:50	0	-0.04	1030.52
29/09/2018 19:07	0	-0.03	1030.52
29/09/2018 20:24	0	-0.03	1030.04
29/09/2018 21:41	0	-0.03	1029.57
29/09/2018 22:58	0	-0.03	1029.09
30/09/2018 00:15	0	-0.03	1028.61
30/09/2018 01:31	0	-0.03	1028.61
30/09/2018 02:48	0	-0.03	1027.66
30/09/2018 04:05	0	-0.03	1027.18
30/09/2018 05:21	0	-0.03	1026.7
30/09/2018 06:38	0	-0.03	1026.7
30/09/2018 07:55	0	-0.04	1026.7
30/09/2018 09:11	0	-0.04	1026.7
30/09/2018 10:27	0.01	-0.03	1026.22
30/09/2018 11:45	0.09	-0.02	1025.75
30/09/2018 13:01	0.19	-0.02	1025.27
30/09/2018 14:18	0.11	-0.04	1025.27
30/09/2018 15:34	0.13	-0.03	1025.27
30/09/2018 16:51	0.04	-0.02	1025.27
30/09/2018 18:08	0.02	-0.03	1025.75
30/09/2018 19:25	0	-0.01	1025.75
30/09/2018 20:42	0	-0.03	1026.22
30/09/2018 21:58	0.15	-0.03	1026.7
30/09/2018 23:15	0.06	-0.04	1028.13
01/10/2018 00:32	0.07	-0.03	1028.13
01/10/2018 01:49	0.2	-0.01	1028.61
01/10/2018 03:05	0.06	-0.05	1029.57
01/10/2018 04:22	0.15	-0.05	1029.57
01/10/2018 05:39	0.02	-0.04	1030.52
01/10/2018 06:55	0	-0.04	1031
01/10/2018 08:12	0.07	-0.03	1031.95
01/10/2018 09:28	0.21	-0.05	1033.38
01/10/2018 10:46	0.18	-0.01	1033.86
01/10/2018 12:02	0.13	-0.03	1033.86
01/10/2018 13:20	0.28	0.01	1033.38
01/10/2018 14:37	0.26	-0.05	1033.38
01/10/2018 15:54	0.07	-0.03	1032.91
01/10/2018 17:10	0.05	-0.02	1032.43
01/10/2018 18:27	0.05	0	1032.43
01/10/2018 19:44	0	-0.01	1032.43
01/10/2018 21:01	0	-0.03	1032.43
01/10/2018 22:17	0.01	-0.01	1031.95
01/10/2018 23:34	0.15	0	1031.47

02/10/2018 00:51	0.21	-0.02	1030.52
02/10/2018 02:07	0.06	-0.03	1029.57
02/10/2018 03:24	0.12	-0.04	1028.61
02/10/2018 04:41	0.36	-0.01	1027.18
02/10/2018 05:57	0.08	-0.01	1027.18
02/10/2018 07:14	0.11	-0.05	1027.18
02/10/2018 08:30	0.01	-0.01	1027.18
02/10/2018 09:47	0.12	-0.02	1027.18
02/10/2018 11:03	0.06	-0.01	1027.18
02/10/2018 12:20	0.1	-0.02	1027.66
02/10/2018 13:37	0.07	-0.02	1027.18
02/10/2018 14:53	0.14	0	1027.18
02/10/2018 16:10	0.18	0.02	1027.18
02/10/2018 17:27	0.15	0.01	1028.13
02/10/2018 18:43	0.2	0.01	1028.61
02/10/2018 20:00	0.15	-0.01	1029.09
02/10/2018 21:17	0.04	-0.01	1029.57
02/10/2018 22:34	0	-0.01	1030.04
02/10/2018 23:50	0.04	-0.02	1030.52
03/10/2018 01:07	0.06	0	1030.52
03/10/2018 02:24	0.06	-0.02	1031
03/10/2018 03:40	0.01	0	1031.47
03/10/2018 04:57	0	-0.02	1032.43
03/10/2018 06:14	0	-0.03	1032.43
03/10/2018 07:31	0	-0.02	1033.38
03/10/2018 08:47	0	-0.01	1033.86
03/10/2018 10:03	0.05	-0.02	1034.34
03/10/2018 11:19	0.02	-0.02	1034.82
03/10/2018 12:36	0.12	0.04	1034.82
03/10/2018 13:52	0.08	0	1033.86
03/10/2018 15:09	0.08	0.02	1033.86
03/10/2018 16:26	0.05	-0.01	1033.38
03/10/2018 17:43	0	-0.03	1033.38
03/10/2018 18:59	0	-0.04	1033.86
03/10/2018 20:16	0	-0.03	1033.86
03/10/2018 21:33	0	-0.03	1033.86
03/10/2018 22:50	0	-0.03	1033.86
04/10/2018 00:07	0	-0.03	1033.86
04/10/2018 01:23	0	-0.03	1033.38
04/10/2018 02:40	0	-0.03	1032.91
04/10/2018 03:57	0	-0.03	1032.43
04/10/2018 05:13	0.01	-0.01	1032.43
04/10/2018 06:30	0	-0.03	1032.43
04/10/2018 07:47	0	-0.03	1032.43
04/10/2018 09:03	0	-0.03	1032.43
04/10/2018 10:20	0	-0.03	1032.43
04/10/2018 11:36	0.01	0	1031.95

04/10/2018 12:53	0	-0.02	1031.47
04/10/2018 14:09	0.04	-0.01	1031
04/10/2018 15:26	0.02	-0.03	1030.52
04/10/2018 16:43	0	-0.03	1029.57
04/10/2018 17:59	0	-0.03	1028.61
04/10/2018 19:16	0	-0.03	1028.13
04/10/2018 20:33	0	-0.03	1028.13
04/10/2018 21:50	0	-0.03	1027.66
04/10/2018 23:07	0	-0.03	1026.7
05/10/2018 00:23	0	-0.03	1026.22
05/10/2018 01:40	0	-0.03	1025.75
05/10/2018 02:57	0	-0.03	1024.31
05/10/2018 04:13	0	-0.03	1023.36
05/10/2018 05:30	0	-0.03	1022.88
05/10/2018 06:47	0	-0.02	1022.88
05/10/2018 08:03	0	-0.03	1022.88
05/10/2018 09:19	0	-0.03	1022.88
05/10/2018 10:36	0	-0.03	1021.93
05/10/2018 11:53	0.11	0.04	1021.45
05/10/2018 13:09	0.09	0	1021.45
05/10/2018 14:26	0.02	-0.04	1020.5
05/10/2018 15:43	0	-0.01	1020.02
05/10/2018 17:00	0	-0.03	1019.54
05/10/2018 18:17	0	-0.04	1019.54
05/10/2018 19:33	0	-0.03	1019.06
05/10/2018 20:50	0	-0.03	1018.59
05/10/2018 22:07	0	-0.03	1018.59
05/10/2018 23:24	0	-0.03	1017.63
06/10/2018 00:41	0	-0.03	1017.63
06/10/2018 01:57	0	-0.03	1016.68
06/10/2018 03:14	0	-0.03	1015.72
06/10/2018 04:30	0	-0.04	1015.25
06/10/2018 05:47	0	-0.03	1014.77
06/10/2018 07:04	0	-0.03	1013.81
06/10/2018 08:20	0.03	-0.03	1014.29
06/10/2018 09:37	0.08	-0.01	1014.29
06/10/2018 10:54	0.28	-0.01	1014.77
06/10/2018 12:10	0.13	-0.03	1014.77
06/10/2018 13:27	0.31	-0.07	1014.77
06/10/2018 14:44	0.32	-0.08	1014.77
06/10/2018 16:00	0.54	-0.04	1015.25
06/10/2018 17:17	0.23	-0.11	837.2
06/10/2018 18:33	0.17	-0.08	822.88
06/10/2018 19:50	0.49	-0.15	820.5
06/10/2018 21:06	0.39	-0.06	818.59
06/10/2018 22:23	0.71	0	810.47
06/10/2018 23:39	0.53	0	818.11

07/10/2018 00:56	0.41	-0.06	818.59
07/10/2018 02:12	0.47	-0.03	819.54
07/10/2018 03:28	0.11	0	820.02
07/10/2018 04:45	0.17	0	820.5
07/10/2018 06:01	0.05	0	820.02
07/10/2018 07:18	0.14	-0.01	820.5
07/10/2018 08:34	0.17	-0.05	823.36
07/10/2018 09:50	0.11	-0.09	1028.61
07/10/2018 11:06	0.08	-0.02	1029.09
07/10/2018 12:22	0.07	-0.03	1029.09
07/10/2018 13:38	0.07	-0.03	1028.61
07/10/2018 14:55	0.08	-0.02	1028.61
07/10/2018 16:12	0.03	0	1028.61
07/10/2018 17:29	0	-0.01	1029.09
07/10/2018 18:46	0	-0.02	1029.57
07/10/2018 20:03	0	-0.02	1029.57
07/10/2018 21:19	0	-0.03	1030.04
07/10/2018 22:36	0	-0.03	1029.57
07/10/2018 23:53	0	-0.02	1029.57
08/10/2018 01:10	0	-0.03	1028.61
08/10/2018 02:26	0	-0.03	1028.61
08/10/2018 03:43	0	-0.03	1028.13
08/10/2018 05:00	0	-0.03	1028.13
08/10/2018 06:16	0	-0.03	1027.66
08/10/2018 07:33	0	-0.04	1028.13
08/10/2018 08:50	0	-0.05	1028.61
08/10/2018 10:06	0	-0.03	1029.09
08/10/2018 11:22	0	-0.04	1029.57
08/10/2018 12:39	0.12	-0.02	1029.09
08/10/2018 13:55	0.09	-0.03	1028.13
08/10/2018 15:12	0.07	-0.01	1027.66
08/10/2018 16:28	0.03	-0.03	1027.18
08/10/2018 17:45	0	-0.03	1027.18
08/10/2018 19:02	0	-0.04	1027.18
08/10/2018 20:19	0	-0.04	1027.66
08/10/2018 21:36	0	-0.03	1027.66
08/10/2018 22:52	0	-0.03	1027.18
09/10/2018 00:09	0	-0.02	1026.22
09/10/2018 01:26	0	-0.03	1026.22
09/10/2018 02:42	0	-0.04	1025.75
09/10/2018 03:59	0	-0.04	1024.79
09/10/2018 05:16	0	-0.04	1024.79
09/10/2018 06:32	0	-0.01	1024.79
09/10/2018 07:49	0.01	0	1025.75
09/10/2018 09:05	0	-0.03	1025.75
09/10/2018 10:22	0.1	0	1025.75
09/10/2018 11:38	0.04	-0.04	1025.75

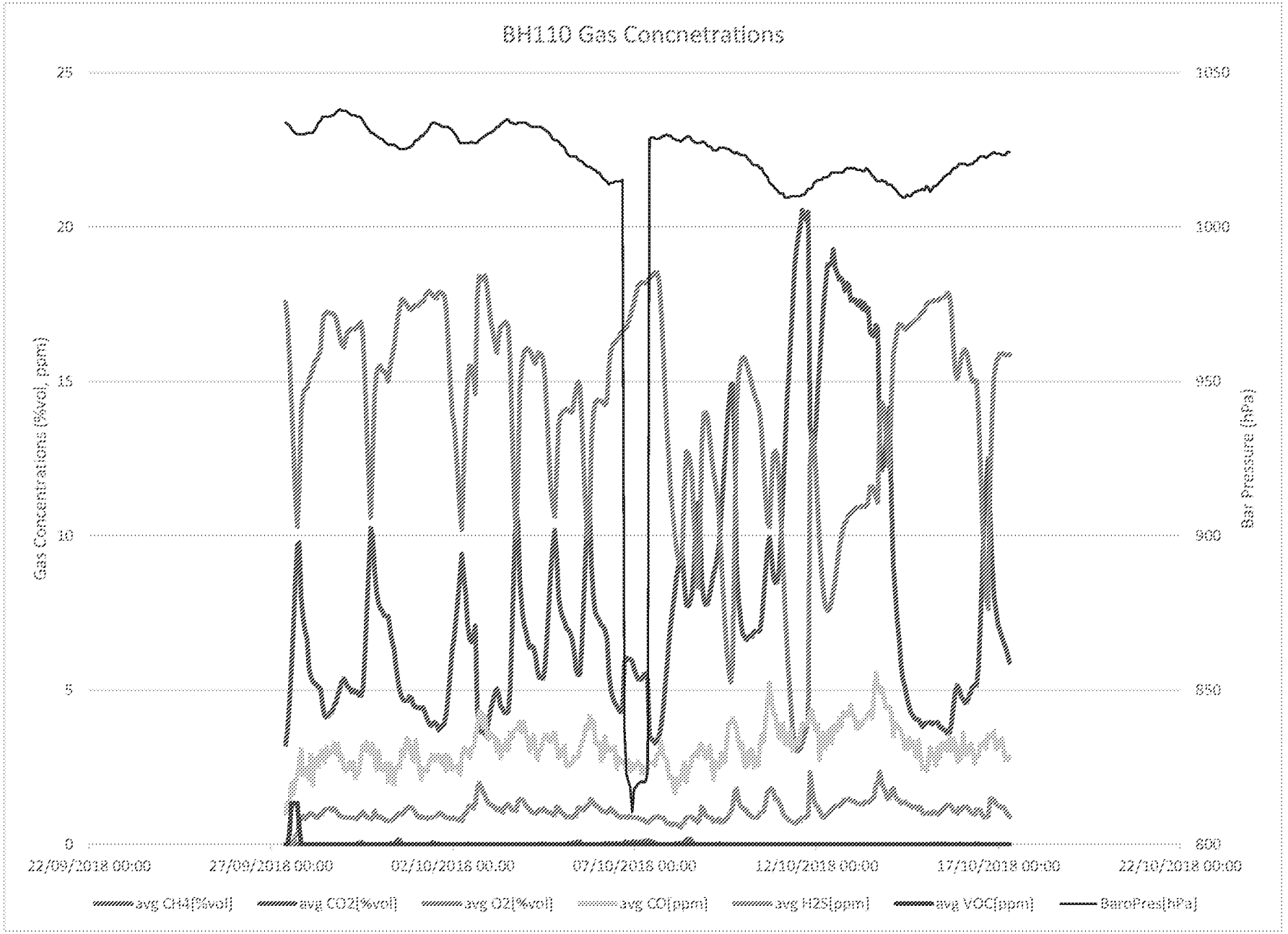
09/10/2018 12:54	0.06	-0.01	1025.27
09/10/2018 14:11	0	-0.03	1025.27
09/10/2018 15:28	0.01	-0.04	1024.79
09/10/2018 16:44	0.01	-0.03	1024.31
09/10/2018 18:01	0	-0.04	1023.84
09/10/2018 19:18	0	-0.03	1024.31
09/10/2018 20:35	0	-0.04	1023.84
09/10/2018 21:52	0	-0.03	1023.36
09/10/2018 23:08	0	-0.03	1023.36
10/10/2018 00:25	0	-0.04	1023.36
10/10/2018 01:42	0	-0.03	1022.88
10/10/2018 02:59	0	-0.03	1021.93
10/10/2018 04:15	0	-0.03	1021.45
10/10/2018 05:32	0	-0.03	1020.5
10/10/2018 06:48	0.01	-0.02	1020.02
10/10/2018 08:05	0.02	-0.03	1020.02
10/10/2018 09:22	0.06	0	1020.02
10/10/2018 10:38	0.21	0	1019.06
10/10/2018 11:54	0.11	-0.05	1019.06
10/10/2018 13:10	0.2	-0.03	1017.63
10/10/2018 14:27	0.03	-0.01	1016.68
10/10/2018 15:44	0.01	-0.03	1016.2
10/10/2018 17:01	0.05	-0.03	1014.29
10/10/2018 18:17	0	-0.02	1013.81
10/10/2018 19:34	0.07	-0.04	1013.34
10/10/2018 20:51	0.33	0.03	1012.38
10/10/2018 22:08	0.09	-0.03	1011.9
10/10/2018 23:24	0.1	0.02	1010.95
11/10/2018 00:41	0.12	0	1010.95
11/10/2018 01:57	0.2	0.06	1010.95
11/10/2018 03:14	0.05	-0.01	1009.52
11/10/2018 04:31	0.16	0	1009.52
11/10/2018 05:47	0.37	0.08	1009.52
11/10/2018 07:04	0.34	0.13	1009.99
11/10/2018 08:21	0.72	0.23	1009.99
11/10/2018 09:37	0.97	0.24	1009.99
11/10/2018 10:53	0.54	0.1	1009.99
11/10/2018 12:10	0.28	0.02	1009.99
11/10/2018 13:26	0.34	0.11	1009.99
11/10/2018 14:43	0.28	0.04	1010.47
11/10/2018 16:00	0.25	0	1010.47
11/10/2018 17:17	0.18	0.01	1011.43
11/10/2018 18:33	0.09	-0.04	1012.38
11/10/2018 19:50	0	-0.06	1012.38
11/10/2018 21:07	0	-0.04	1012.86
11/10/2018 22:24	0.07	-0.03	1014.29
11/10/2018 23:40	0.12	0.01	1014.77

12/10/2018 00:57	0.3	0.15	1015.25
12/10/2018 02:14	0.23	0.05	1015.25
12/10/2018 03:30	0.4	0.03	1015.25
12/10/2018 04:47	0.44	0.23	1016.2
12/10/2018 06:03	0.57	0.33	1016.2
12/10/2018 07:20	0.42	0.12	1016.2
12/10/2018 08:37	0.69	0.22	1016.68
12/10/2018 09:53	0.43	0.1	1017.63
12/10/2018 11:10	0.38	0.13	1017.63
12/10/2018 12:27	0.88	0.14	1017.63
12/10/2018 13:43	0.63	0.17	1017.63
12/10/2018 15:00	0.51	0.11	1017.63
12/10/2018 16:16	0.29	0.12	1017.63
12/10/2018 17:33	0.57	0.11	1017.63
12/10/2018 18:50	0.23	0.09	1018.59
12/10/2018 20:06	0.13	0.02	1019.06
12/10/2018 21:23	0.32	0.06	1019.06
12/10/2018 22:40	0.3	0.08	1019.06
12/10/2018 23:56	0.23	0.06	1019.06
13/10/2018 01:13	0.28	0.11	1019.06
13/10/2018 02:30	0.26	0.12	1018.59
13/10/2018 03:46	0.36	0.04	1018.59
13/10/2018 05:03	0.26	0.06	1018.59
13/10/2018 06:20	0.46	0.09	1018.11
13/10/2018 07:36	0.36	0.06	1018.11
13/10/2018 08:53	0.23	0.08	1019.06
13/10/2018 10:10	0.15	0	1018.59
13/10/2018 11:26	0.16	0	1017.63
13/10/2018 12:43	0.38	0.05	1016.68
13/10/2018 13:59	0.37	0.11	1016.2
13/10/2018 15:16	0.39	0.14	1015.25
13/10/2018 16:32	0.07	-0.04	1014.77
13/10/2018 17:49	0	-0.03	1014.77
13/10/2018 19:06	0.08	0	1015.25
13/10/2018 20:23	0.19	0.03	1014.77
13/10/2018 21:39	0.2	-0.01	1014.77
13/10/2018 22:56	0.25	0.01	1013.81
14/10/2018 00:13	0.09	0.02	1013.81
14/10/2018 01:29	0.02	-0.03	1013.81
14/10/2018 02:46	0	-0.04	1012.86
14/10/2018 04:03	0	-0.04	1012.38
14/10/2018 05:20	0.02	-0.03	1011.43
14/10/2018 06:36	0.15	-0.03	1010.47
14/10/2018 07:53	0.14	-0.08	1009.99
14/10/2018 09:10	0.07	-0.04	1009.52
14/10/2018 10:26	0.09	-0.05	1009.52
14/10/2018 11:43	0.33	-0.14	1010.47

14/10/2018 13:00	0.18	-0.04	1009.99
14/10/2018 14:16	0.3	0.01	1009.99
14/10/2018 15:33	0.31	-0.08	1010.95
14/10/2018 16:50	0.14	-0.15	1011.43
14/10/2018 18:06	0.17	-0.01	1011.43
14/10/2018 19:23	0.29	-0.06	1011.9
14/10/2018 20:40	0.22	-0.04	1011.9
14/10/2018 21:56	0.3	-0.06	1012.38
14/10/2018 23:13	0.42	0.02	1011.9
15/10/2018 00:30	0.13	-0.03	1013.34
15/10/2018 01:46	0.12	0	1012.86
15/10/2018 03:03	0.17	-0.07	1011.43
15/10/2018 04:20	0.25	-0.03	1012.38
15/10/2018 05:36	0.04	-0.01	1013.34
15/10/2018 06:53	0.04	-0.06	1013.34
15/10/2018 08:09	0.04	-0.03	1013.81
15/10/2018 09:26	0.07	0	1014.77
15/10/2018 10:43	0.15	-0.02	1015.25
15/10/2018 11:59	0.06	-0.02	1016.2
15/10/2018 13:15	0.02	-0.04	1016.68
15/10/2018 14:32	0.02	-0.02	1017.15
15/10/2018 15:49	0.07	0	1017.15
15/10/2018 17:06	0.01	-0.02	1018.11
15/10/2018 18:22	0	-0.02	1019.06
15/10/2018 19:39	0	-0.03	1019.06
15/10/2018 20:56	0	-0.03	1019.54
15/10/2018 22:13	0.01	0	1020.5
15/10/2018 23:29	0.01	-0.03	1020.5
16/10/2018 00:46	0	-0.02	1020.5
16/10/2018 02:02	0	-0.02	1020.5
16/10/2018 03:19	0	-0.02	1020.02
16/10/2018 04:36	0	-0.02	1020.02
16/10/2018 05:52	0	-0.03	1020.5
16/10/2018 07:09	0	-0.03	1020.5
16/10/2018 08:26	0	-0.02	1021.45
16/10/2018 09:42	0.1	0.03	1021.45
16/10/2018 10:58	0.1	0.04	1022.41
16/10/2018 12:14	0.15	0.03	1022.88
16/10/2018 13:31	0.21	0.08	1022.88
16/10/2018 14:47	0.07	-0.02	1022.88
16/10/2018 16:04	0.01	-0.01	1022.41
16/10/2018 17:21	0	-0.04	1022.88
16/10/2018 18:38	0	-0.03	1023.36
16/10/2018 19:54	0	-0.04	1023.84
16/10/2018 21:11	0	-0.03	1024.31
16/10/2018 22:28	0	-0.03	1023.84
16/10/2018 23:45	0	-0.04	1023.84

17/10/2018 01:01	0.05	-0.03	1023.84
17/10/2018 02:18	0	-0.01	1023.36
17/10/2018 03:35	0	-0.03	1023.36
17/10/2018 04:51	0	-0.03	1023.36
17/10/2018 06:08	0	-0.03	1024.31
17/10/2018 07:25	0	-0.03	1024.31

ARUN DISTRICT COUNCIL LU/330/18/PL



Project: Cornflower Close, Littlehampton
Ref: GE17106
Client: Thakeham Homes

Geo-Environmental

BH110

Time	avg CH4[%	avg CO2[%	avg O2[%v	avg CO[pp	avg H2S[pp	avg VOC[p	BaroPres[hPa]
27/09/2018 09:39	0	3.23	17.57	1.02	0.03	0	1033.86
27/09/2018 10:55	0	3.71	16.98	1.35	0	0	1033.38
27/09/2018 12:12	0	4.62	15.7	1.27	0	0.38	1032.91
27/09/2018 13:28	0	5.71	14.36	1.98	0.05	1.33	1031.95
27/09/2018 14:45	0	7	12.91	1.65	0.08	1.33	1031
27/09/2018 16:02	0	8.48	11.4	2.06	0.25	1.33	1030.52
27/09/2018 17:19	0	9.67	10.3	2.2	0.3	1.33	1030.04
27/09/2018 18:36	0	9.78	11.56	2.66	0.71	0.59	1030.04
27/09/2018 19:52	0	8	13.99	3.08	0.87	0	1030.04
27/09/2018 21:09	0	7.37	14.59	2.24	0.92	0	1030.04
27/09/2018 22:26	0	6.91	14.73	2.41	0.84	0	1030.04
27/09/2018 23:43	0	6.69	14.77	2.49	0.87	0	1030.52
28/09/2018 01:00	0	5.75	15.04	2.11	0.98	0	1030.52
28/09/2018 02:16	0	5.43	15.21	2.91	1.01	0	1030.52
28/09/2018 03:33	0	5.29	15.39	1.94	0.98	0	1030.52
28/09/2018 04:50	0	5.21	15.62	2.79	0.92	0	1031.47
28/09/2018 06:06	0	5.18	15.7	2.74	0.87	0	1032.43
28/09/2018 07:23	0	5.09	15.84	2.52	0.87	0	1033.86
28/09/2018 08:40	0	5.05	16.04	2.95	0.98	0	1034.34
28/09/2018 09:56	0	4.53	16.87	3.04	0.98	0	1035.77
28/09/2018 11:12	0	4.19	17.19	2.66	1.11	0	1035.77
28/09/2018 12:29	0	4.12	17.25	3.17	1.13	0	1035.77
28/09/2018 13:45	0	4.15	17.23	2.87	1.17	0	1035.77
28/09/2018 15:01	0	4.26	17.21	2.95	1.17	0	1035.77
28/09/2018 16:18	0	4.28	17.21	3	1.11	0	1036.25
28/09/2018 17:35	0	4.49	17.16	3.29	1.17	0	1036.25
28/09/2018 18:52	0	4.59	17.05	2.91	1.11	0	1037.2
28/09/2018 20:08	0	4.84	16.8	3.25	1.01	0	1037.68
28/09/2018 21:25	0	5.04	16.44	2.75	0.92	0	1038.16
28/09/2018 22:42	0	5.26	16.2	2.87	0.92	0	1037.68
28/09/2018 23:59	0	5.38	16.11	2.49	0.87	0	1037.68
29/09/2018 01:16	0	5.26	16.37	2.36	0.87	0	1037.68
29/09/2018 02:32	0	5.12	16.59	2.41	0.87	0	1037.2
29/09/2018 03:49	0	5.07	16.67	2.66	0.87	0	1036.73
29/09/2018 05:06	0	4.93	16.7	2.45	0.87	0	1036.25
29/09/2018 06:23	0	5.01	16.7	2.66	0.87	0	1036.25
29/09/2018 07:39	0	4.91	16.7	2.15	0.84	0	1036.25
29/09/2018 08:56	0.03	4.94	16.73	2.27	0.82	0	1035.77
29/09/2018 10:12	0.03	4.82	16.88	2.41	0.9	0	1035.77
29/09/2018 11:28	0.08	4.83	16.92	2.87	0.98	0	1035.29
29/09/2018 12:44	0.02	5.05	16.42	3.21	1.06	0	1034.34

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29/09/2018 14:00	0	6.14	15.09	3.04	0.95	0	1033.38
29/09/2018 15:17	0.01	7.59	13.38	3.33	0.87	0	1032.43
29/09/2018 16:34	0	9.01	11.78	3.08	0.87	0	1031.47
29/09/2018 17:50	0	10.25	10.58	2.95	0.82	0	1030.52
29/09/2018 19:07	0	9.94	12.68	3.25	0.9	0	1030.52
29/09/2018 20:24	0	8.86	14.59	2.83	1.09	0	1030.04
29/09/2018 21:41	0	8.16	15.29	2.41	0.9	0	1029.57
29/09/2018 22:58	0	7.81	15.49	3.04	0.87	0	1029.09
30/09/2018 00:15	0	7.64	15.51	2.45	0.9	0	1028.61
30/09/2018 01:31	0	7.56	15.34	2.41	0.84	0	1028.61
30/09/2018 02:48	0	7.41	15.33	2.52	0.82	0	1027.66
30/09/2018 04:05	0.01	7.4	15.22	2.62	0.76	0	1027.18
30/09/2018 05:21	0	7.39	15	2.02	0.76	0	1026.7
30/09/2018 06:38	0.02	6.95	15.49	2.62	0.76	0	1026.7
30/09/2018 07:55	0.03	6.58	15.82	2.41	0.82	0	1026.7
30/09/2018 09:11	0.02	6.33	16.1	1.95	0.82	0	1026.7
30/09/2018 10:27	0.07	5.77	16.64	2.49	0.87	0	1026.22
30/09/2018 11:45	0.15	5.31	17.07	2.58	0.98	0	1025.75
30/09/2018 13:01	0.14	4.98	17.39	2.49	1.01	0	1025.27
30/09/2018 14:18	0.01	4.76	17.67	3.08	0.98	0	1025.27
30/09/2018 15:34	0	4.66	17.63	2.87	1.03	0	1025.27
30/09/2018 16:51	0.01	4.65	17.54	3.29	1.17	0	1025.27
30/09/2018 18:08	0	4.66	17.46	3.46	1.17	0	1025.75
30/09/2018 19:25	0	4.79	17.32	3.29	1.22	0	1025.75
30/09/2018 20:42	0	4.75	17.32	2.91	1.2	0	1026.22
30/09/2018 21:58	0	4.51	17.42	2.7	1.13	0	1026.7
30/09/2018 23:15	0	4.45	17.46	3.38	1.06	0	1028.13
01/10/2018 00:32	0	4.44	17.45	3	0.92	0	1028.13
01/10/2018 01:49	0	4.42	17.52	2.45	0.87	0	1028.61
01/10/2018 03:05	0.01	4.43	17.59	2.11	0.9	0	1029.57
01/10/2018 04:22	0	4.44	17.59	2.49	0.87	0	1029.57
01/10/2018 05:39	0	4.28	17.73	2.36	0.87	0	1030.52
01/10/2018 06:55	0.01	4.08	17.89	2.36	0.84	0	1031
01/10/2018 08:12	0.01	3.94	17.93	2.62	0.87	0	1031.95
01/10/2018 09:28	0.04	3.85	17.88	2.79	0.87	0	1033.38
01/10/2018 10:46	0.06	3.94	17.78	2.91	0.87	0	1033.86
01/10/2018 12:02	0.03	3.95	17.71	2.7	0.9	0	1033.86
01/10/2018 13:20	0.01	3.89	17.7	2.79	0.95	0	1033.38
01/10/2018 14:37	0.02	3.7	17.88	2.91	1.03	0	1033.38
01/10/2018 15:54	0	3.8	17.89	2.75	1.01	0	1032.91
01/10/2018 17:10	0	3.82	17.85	2.58	0.98	0	1032.43
01/10/2018 18:27	0	3.94	17.76	2.91	0.92	0	1032.43
01/10/2018 19:44	0	4.26	17.27	2.37	0.87	0	1032.43
01/10/2018 21:01	0	4.86	16.2	2.87	0.87	0	1032.43
01/10/2018 22:17	0	5.51	15.04	2.79	0.84	0	1031.95
01/10/2018 23:34	0	6.3	14.02	2.41	0.84	0	1031.47
02/10/2018 00:51	0	6.68	13.6	2.49	0.87	0	1030.52

02/10/2018 02:07	0.01	7.33	12.8	2.52	0.82	0	1029.57
02/10/2018 03:24	0.01	7.97	11.87	2.52	0.79	0	1028.61
02/10/2018 04:41	0.01	8.64	10.91	2.27	0.84	0	1027.18
02/10/2018 05:57	0.01	9.41	10.19	2.87	0.76	0	1027.18
02/10/2018 07:14	0.01	8.69	12.36	3.12	0.92	0	1027.18
02/10/2018 08:30	0	8.13	13.82	3.04	1.03	0	1027.18
02/10/2018 09:47	0.01	7.11	15.09	3	1.13	0	1027.18
02/10/2018 11:03	0.02	6.66	15.5	2.79	1.25	0	1027.18
02/10/2018 12:20	0	6.56	15.49	3.08	1.25	0	1027.66
02/10/2018 13:37	0	6.75	15.19	3.12	1.17	0	1027.18
02/10/2018 14:53	0	7.08	14.59	3.54	1.3	0	1027.18
02/10/2018 16:10	0	4.38	17.75	3.79	1.79	0	1027.18
02/10/2018 17:27	0	3.64	18.42	4.3	2	0	1028.13
02/10/2018 18:43	0	3.74	18.3	4.3	1.85	0	1028.61
02/10/2018 20:00	0	3.66	18.39	3.79	1.71	0	1029.09
02/10/2018 21:17	0	3.56	18.44	4.13	1.58	0	1029.57
02/10/2018 22:34	0	3.73	18.07	3.46	1.41	0	1030.04
02/10/2018 23:50	0	4.08	17.46	3.42	1.3	0	1030.52
03/10/2018 01:07	0	4.41	16.95	3.59	1.28	0	1030.52
03/10/2018 02:24	0	4.63	16.61	3.5	1.25	0	1031
03/10/2018 03:40	0	4.88	16.27	3.5	1.22	0	1031.47
03/10/2018 04:57	0	5.05	15.93	3.04	1.11	0	1032.43
03/10/2018 06:14	0	4.86	16.41	3.38	1.17	0	1032.43
03/10/2018 07:31	0	4.48	16.78	2.78	1.11	0	1033.38
03/10/2018 08:47	0	4.41	16.86	3.16	1.03	0	1033.86
03/10/2018 10:03	0.01	4.26	16.93	3.04	1.17	0	1034.34
03/10/2018 11:19	0.01	4.26	16.93	3.37	1.25	0	1034.82
03/10/2018 12:36	0.01	4.33	16.77	3.04	1.3	0	1034.82
03/10/2018 13:52	0	5.05	15.66	3.63	1.22	0	1033.86
03/10/2018 15:09	0	6.96	13.5	3.46	1.11	0	1033.86
03/10/2018 16:26	0	9.08	11.41	3.71	1.11	0	1033.38
03/10/2018 17:43	0	10.8	9.93	3.75	1.09	0	1033.38
03/10/2018 18:59	0	10.42	11.98	3.84	1.36	0	1033.86
03/10/2018 20:16	0	8.53	14.74	3.96	1.47	0	1033.86
03/10/2018 21:33	0	7.74	15.57	3.63	1.47	0	1033.86
03/10/2018 22:50	0	7.15	15.89	3.96	1.39	0	1033.86
04/10/2018 00:07	0	6.92	16.05	3.63	1.28	0	1033.86
04/10/2018 01:23	0	6.63	16.07	3.42	1.2	0	1033.38
04/10/2018 02:40	0	6.37	16.02	3	1.13	0	1032.91
04/10/2018 03:57	0	6.43	15.88	3.29	1.03	0	1032.43
04/10/2018 05:13	0.01	6.38	15.67	3.54	1.03	0	1032.43
04/10/2018 06:30	0.01	6.13	15.58	3.12	1.01	0	1032.43
04/10/2018 07:47	0.01	5.65	15.85	2.74	1.06	0	1032.43
04/10/2018 09:03	0.01	5.41	15.94	3.04	1.13	0	1032.43
04/10/2018 10:20	0.03	5.4	15.89	3.12	1.09	0	1032.43
04/10/2018 11:36	0.01	5.37	15.71	3.42	1.17	0	1031.95
04/10/2018 12:53	0.02	5.74	15.05	3.54	1.11	0	1031.47

04/10/2018 14:09	0	6.68	13.96	3.54	1.06	0	1031
04/10/2018 15:26	0	7.81	12.61	3.37	1.03	0	1030.52
04/10/2018 16:43	0	8.91	11.48	3.33	1.03	0	1029.57
04/10/2018 17:59	0	9.61	10.98	3.54	0.95	0	1028.61
04/10/2018 19:16	0	10.19	10.63	3.63	0.95	0	1028.13
04/10/2018 20:33	0	9.36	12.13	3.21	1.22	0	1028.13
04/10/2018 21:50	0	8	13.59	2.79	1.2	0	1027.66
04/10/2018 23:07	0	7.61	13.92	2.91	1.06	0	1026.7
05/10/2018 00:23	0.01	7.38	14.02	3.08	1.01	0	1026.22
05/10/2018 01:40	0	7.22	14.07	3.21	0.95	0	1025.75
05/10/2018 02:57	0.01	7	14.11	2.52	0.87	0	1024.31
05/10/2018 04:13	0.03	6.95	14.08	2.62	0.9	0	1023.36
05/10/2018 05:30	0.03	6.85	14	2.58	0.9	0	1022.88
05/10/2018 06:47	0.01	6.63	14.02	2.62	0.87	0	1022.88
05/10/2018 08:03	0.06	6.25	14.37	2.83	0.95	0	1022.88
05/10/2018 09:19	0.04	5.66	14.76	2.83	0.92	0	1022.88
05/10/2018 10:36	0.08	5.49	14.99	2.83	1.17	0	1021.93
05/10/2018 11:53	0.09	5.49	14.88	3.08	1.2	0	1021.45
05/10/2018 13:09	0	6.39	13.8	3.29	1.13	0	1021.45
05/10/2018 14:26	0	7.96	12.12	3.46	1.11	0	1020.5
05/10/2018 15:43	0	9.5	10.86	3.84	1.25	0	1020.02
05/10/2018 17:00	0	10.73	9.9	3.71	1.25	0	1019.54
05/10/2018 18:17	0	10.85	10.67	4.17	1.39	0	1019.54
05/10/2018 19:33	0	8.94	13.15	4.05	1.47	0	1019.06
05/10/2018 20:50	0	8.02	13.96	4	1.36	0	1018.59
05/10/2018 22:07	0	7.49	14.34	3.33	1.25	0	1018.59
05/10/2018 23:24	0	7.37	14.41	3.25	1.25	0	1017.63
06/10/2018 00:41	0	7.27	14.37	3.29	1.2	0	1017.63
06/10/2018 01:57	0	7.1	14.36	2.7	1.11	0	1016.68
06/10/2018 03:14	0.02	7.07	14.32	2.79	1.06	0	1015.72
06/10/2018 04:30	0.04	6.93	14.24	3.5	1.06	0	1015.25
06/10/2018 05:47	0.03	6.66	14.42	3.04	1.03	0	1014.77
06/10/2018 07:04	0.02	5.52	15.52	3.17	1.13	0	1013.81
06/10/2018 08:20	0.03	5.01	15.99	3.04	1.17	0	1014.29
06/10/2018 09:37	0.02	4.76	16.18	3.08	1.06	0	1014.29
06/10/2018 10:54	0.03	4.58	16.25	3.17	1.06	0	1014.77
06/10/2018 12:10	0.04	4.49	16.38	2.45	0.95	0	1014.77
06/10/2018 13:27	0.02	4.38	16.43	2.83	0.92	0	1014.77
06/10/2018 14:44	0	4.29	16.55	2.66	0.87	0	1014.77
06/10/2018 16:00	0.03	4.33	16.6	2.7	0.9	0	1015.25
06/10/2018 17:17	0.09	5.95	16.68	2.66	0.9	0	837.2
06/10/2018 18:33	0.07	6.05	16.73	2.37	0.87	0	822.88
06/10/2018 19:50	0.05	5.98	16.92	2.74	0.87	0	820.5
06/10/2018 21:06	0.06	6	17.11	2.36	0.92	0	818.59
06/10/2018 22:23	0.08	5.94	17.34	2.62	0.87	0	810.47
06/10/2018 23:39	0.09	5.68	17.55	2.45	0.87	0	818.11
07/10/2018 00:56	0.08	5.51	17.85	2.52	0.87	0	818.59

07/10/2018 02:12	0.08	5.35	18.07	2.7	0.87	0	819.54
07/10/2018 03:28	0.08	5.34	18.17	2.62	0.84	0	820.02
07/10/2018 04:45	0.07	5.34	18.21	2.31	0.79	0	820.5
07/10/2018 06:01	0.12	5.52	18.21	2.52	0.82	0	820.02
07/10/2018 07:18	0.08	5.53	18.17	2.31	0.73	0	820.5
07/10/2018 08:34	0.14	5.33	18.2	2.49	0.71	0	823.36
07/10/2018 09:50	0.03	3.53	18.35	2.66	0.79	0	1028.61
07/10/2018 11:06	0.09	3.41	18.39	2.66	0.84	0	1029.09
07/10/2018 12:22	0.07	3.38	18.48	2.62	0.87	0	1029.09
07/10/2018 13:38	0.03	3.27	18.53	2.58	0.87	0	1028.61
07/10/2018 14:55	0.01	3.42	18.53	2.91	0.92	0	1028.61
07/10/2018 16:12	0.01	3.51	18.23	2.95	0.87	0	1028.61
07/10/2018 17:29	0	3.85	17.39	3.33	0.87	0	1029.09
07/10/2018 18:46	0	4.3	16.18	2.87	0.87	0	1029.57
07/10/2018 20:03	0	5.09	14.66	2.79	0.76	0	1029.57
07/10/2018 21:19	0	5.76	13.41	2.74	0.68	0	1030.04
07/10/2018 22:36	0	6.53	12.44	2.16	0.68	0	1029.57
07/10/2018 23:53	0	7.14	11.46	2.24	0.65	0	1029.57
08/10/2018 01:10	0	7.66	10.66	2.11	0.63	0	1028.61
08/10/2018 02:26	0	8.14	10.02	1.65	0.68	0	1028.61
08/10/2018 03:43	0.03	8.69	9.55	2.15	0.65	0	1028.13
08/10/2018 05:00	0.03	8.99	9.22	1.94	0.6	0	1028.13
08/10/2018 06:16	0.03	9.26	9.1	2.11	0.56	0	1027.66
08/10/2018 07:33	0.05	9.33	9.63	2.37	0.68	0	1028.13
08/10/2018 08:50	0.08	8.42	11.56	2.66	0.71	0	1028.61
08/10/2018 10:06	0.12	7.75	12.74	2.02	0.87	0	1029.09
08/10/2018 11:22	0.17	7.73	12.67	2.45	0.87	0	1029.57
08/10/2018 12:39	0.18	7.89	12.41	2.52	0.9	0	1029.09
08/10/2018 13:55	0.09	8.15	11.85	2.83	0.87	0	1028.13
08/10/2018 15:12	0.02	9	10.52	2.87	0.79	0	1027.66
08/10/2018 16:28	0	10.37	9.17	2.95	0.82	0	1027.18
08/10/2018 17:45	0	11.05	8.32	2.83	0.71	0	1027.18
08/10/2018 19:02	0	10.63	9.65	3.21	0.87	0	1027.18
08/10/2018 20:19	0	8.6	12.97	3.25	1.22	0	1027.66
08/10/2018 21:36	0	7.94	13.95	3	1.13	0	1027.66
08/10/2018 22:52	0	7.76	14	2.79	0.95	0	1027.18
09/10/2018 00:09	0.01	7.81	13.85	2.87	0.9	0	1026.22
09/10/2018 01:26	0	8.08	13.25	3.21	0.87	0	1026.22
09/10/2018 02:42	0	8.4	12.63	2.7	0.87	0	1025.75
09/10/2018 03:59	0.01	8.74	12.08	2.11	0.73	0	1024.79
09/10/2018 05:16	0	8.97	11.68	2.7	0.76	0	1024.79
09/10/2018 06:32	0.01	9.3	11.26	2.49	0.79	0	1024.79
09/10/2018 07:49	0.03	9.77	10.53	2.54	0.82	0	1025.75
09/10/2018 09:05	0.01	10.67	9.4	2.96	0.71	0	1025.75
09/10/2018 10:22	0	11.58	8.23	2.66	0.79	0	1025.75
09/10/2018 11:38	0.01	12.47	7.15	2.7	0.73	0	1025.75
09/10/2018 12:54	0	13.55	6.22	3.42	0.84	0	1025.27

09/10/2018 14:11	0	14.27	5.64	3.96	0.98	0	1025.27
09/10/2018 15:28	0	14.84	5.26	3.92	1.03	0	1024.79
09/10/2018 16:44	0	14.92	5.86	4.09	1.22	0	1024.31
09/10/2018 18:01	0	13.03	10.03	3.96	1.74	0	1023.84
09/10/2018 19:18	0	9.03	14.22	3.75	1.82	0	1024.31
09/10/2018 20:35	0	7.95	15.17	3.33	1.44	0	1023.84
09/10/2018 21:52	0	7.37	15.57	3.08	1.25	0	1023.36
09/10/2018 23:08	0	6.84	15.79	3.29	1.2	0	1023.36
10/10/2018 00:25	0	6.74	15.77	2.52	1.13	0	1023.36
10/10/2018 01:42	0.01	6.63	15.61	2.96	1.13	0	1022.88
10/10/2018 02:59	0	6.74	15.39	2.54	0.98	0	1021.93
10/10/2018 04:15	0	6.75	15.13	3.08	0.95	0	1021.45
10/10/2018 05:32	0	6.73	14.88	3.08	0.9	0	1020.5
10/10/2018 06:48	0.01	6.9	14.61	2.49	0.87	0	1020.02
10/10/2018 08:05	0	6.9	14.42	2.83	0.87	0	1020.02
10/10/2018 09:22	0	6.9	14.27	2.58	0.92	0	1020.02
10/10/2018 10:38	0.01	6.94	13.95	3.17	1.03	0	1019.06
10/10/2018 11:54	0	7.33	13.29	3.58	1.06	0	1019.06
10/10/2018 13:10	0	8.05	12.27	3.33	1.09	0	1017.63
10/10/2018 14:27	0	8.86	11.25	4.04	1.33	0	1016.68
10/10/2018 15:44	0	9.6	10.43	4.59	1.71	0	1016.2
10/10/2018 17:01	0	9.96	10.29	5.22	1.79	0	1014.29
10/10/2018 18:17	0	9.38	11.68	4.68	1.82	0	1013.81
10/10/2018 19:34	0	8.65	12.64	4.26	1.74	0	1013.34
10/10/2018 20:51	0	8.47	12.77	4.17	1.47	0	1012.38
10/10/2018 22:08	0	8.51	12.6	3.79	1.47	0	1011.9
10/10/2018 23:24	0	8.94	11.78	3.42	1.36	0	1010.95
11/10/2018 00:41	0	9.96	10.56	3.88	1.22	0	1010.95
11/10/2018 01:57	0	11.42	9	3.92	1.01	0	1010.95
11/10/2018 03:14	0	12.78	7.57	3.25	0.92	0	1009.52
11/10/2018 04:31	0	14.4	6.42	3.59	0.87	0	1009.52
11/10/2018 05:47	0	15.23	5.42	3.21	0.79	0	1009.52
11/10/2018 07:04	0	16.45	4.48	3.71	0.76	0	1009.99
11/10/2018 08:21	0	17.48	3.7	3.04	0.71	0	1009.99
11/10/2018 09:37	0	18.78	3.21	3.33	0.68	0	1009.99
11/10/2018 10:53	0	19.32	3.02	3.29	0.71	0	1009.99
11/10/2018 12:10	0	19.72	3.04	3.25	0.79	0	1009.99
11/10/2018 13:26	0	20.07	3.12	3.58	0.76	0	1009.99
11/10/2018 14:43	0	20.55	3.27	3.92	0.87	0	1010.47
11/10/2018 16:00	0	20.27	3.5	3.88	0.87	0	1010.47
11/10/2018 17:17	0	20.25	3.73	3.88	0.9	0	1011.43
11/10/2018 18:33	0	20.48	4.05	4	0.92	0	1012.38
11/10/2018 19:50	0	13.58	12.27	4.21	2.33	0	1012.38
11/10/2018 21:07	0	12.96	13.26	4.34	1.77	0	1012.86
11/10/2018 22:24	0	12.94	13.01	3.92	1.44	0	1014.29
11/10/2018 23:40	0	13.57	12.08	3.71	1.25	0	1014.77
12/10/2018 00:57	0	14.76	10.83	3.88	1.22	0	1015.25

12/10/2018 02:14	0	15.66	9.66	2.74	1.06	0	1015.25
12/10/2018 03:30	0	16.7	8.76	3.42	0.92	0	1015.25
12/10/2018 04:47	0	17.54	8.07	3.62	0.87	0	1016.2
12/10/2018 06:03	0	18.13	7.68	3.12	0.92	0	1016.2
12/10/2018 07:20	0	18.79	7.57	3.42	0.95	0	1016.2
12/10/2018 08:37	0	18.8	7.65	3.75	1.03	0	1016.68
12/10/2018 09:53	0	18.8	7.86	3.29	1.11	0	1017.63
12/10/2018 11:10	0	19.28	8.18	3.84	1.17	0	1017.63
12/10/2018 12:27	0	18.66	8.58	3.67	1.25	0	1017.63
12/10/2018 13:43	0	18.52	9.07	3.71	1.25	0	1017.63
12/10/2018 15:00	0	18.3	9.57	4.09	1.25	0	1017.63
12/10/2018 16:16	0	18.34	9.96	3.84	1.3	0	1017.63
12/10/2018 17:33	0	18.23	10.22	4.3	1.44	0	1017.63
12/10/2018 18:50	0	17.93	10.41	4.21	1.44	0	1018.59
12/10/2018 20:06	0	18.18	10.54	4.17	1.44	0	1019.06
12/10/2018 21:23	0	18.12	10.66	4.34	1.49	0	1019.06
12/10/2018 22:40	0	17.62	10.73	4.51	1.44	0	1019.06
12/10/2018 23:56	0	17.62	10.82	4.21	1.39	0	1019.06
13/10/2018 01:13	0	17.66	10.88	4.09	1.39	0	1019.06
13/10/2018 02:30	0	17.53	10.91	3.75	1.33	0	1018.59
13/10/2018 03:46	0	17.46	10.92	3.96	1.33	0	1018.59
13/10/2018 05:03	0	17.61	10.94	3.79	1.3	0	1018.59
13/10/2018 06:20	0	17.34	10.96	3.96	1.3	0	1018.11
13/10/2018 07:36	0	17.54	10.95	4.05	1.39	0	1018.11
13/10/2018 08:53	0	17.29	10.99	4.09	1.36	0	1019.06
13/10/2018 10:10	0	17.39	11.09	4.21	1.36	0	1018.59
13/10/2018 11:26	0	16.59	11.57	4.3	1.39	0	1017.63
13/10/2018 12:43	0	16.51	11.6	4.09	1.44	0	1016.68
13/10/2018 13:59	0	16.47	11.48	4.84	1.52	0	1016.2
13/10/2018 15:16	0	16.82	11.26	5.56	1.93	0	1015.25
13/10/2018 16:32	0	16.71	11.07	5.14	1.96	0	1014.77
13/10/2018 17:49	0	13.01	13.74	4.93	2.35	0	1014.77
13/10/2018 19:06	0	12.13	14.33	5.09	2	0	1015.25
13/10/2018 20:23	0	12.27	14.15	4.8	1.82	0	1014.77
13/10/2018 21:39	0	12.92	13.52	4.47	1.71	0	1014.77
13/10/2018 22:56	0	13.58	12.77	4.42	1.47	0	1013.81
14/10/2018 00:13	0	14.17	12.17	4.46	1.49	0	1013.81
14/10/2018 01:29	0	11.14	14.53	4.21	1.74	0	1013.81
14/10/2018 02:46	0	9.01	15.86	3.5	1.82	0	1012.86
14/10/2018 04:03	0	8.19	16.25	3.96	1.58	0	1012.38
14/10/2018 05:20	0	7.22	16.68	3.88	1.47	0	1011.43
14/10/2018 06:36	0	6.64	16.85	3.75	1.44	0	1010.47
14/10/2018 07:53	0	5.8	16.84	3.67	1.33	0	1009.99
14/10/2018 09:10	0	5.34	16.77	3.46	1.36	0	1009.52
14/10/2018 10:26	0	5.11	16.69	3.12	1.39	0	1009.52
14/10/2018 11:43	0	4.75	16.75	3.08	1.3	0	1010.47
14/10/2018 13:00	0	4.51	16.78	3.46	1.28	0	1009.99

14/10/2018 14:16	0	4.28	16.84	3.16	1.25	0	1009.99
14/10/2018 15:33	0	4.2	16.88	3.33	1.2	0	1010.95
14/10/2018 16:50	0	4.07	16.95	3.04	1.22	0	1011.43
14/10/2018 18:06	0	4.05	17	2.83	1.2	0	1011.43
14/10/2018 19:23	0	4.05	17.05	3.37	1.13	0	1011.9
14/10/2018 20:40	0	3.94	17.14	2.87	1.22	0	1011.9
14/10/2018 21:56	0	3.81	17.23	2.45	1.03	0	1012.38
14/10/2018 23:13	0	3.92	17.34	2.49	0.98	0	1011.9
15/10/2018 00:30	0	3.92	17.45	2.36	1.01	0	1013.34
15/10/2018 01:46	0	3.95	17.54	2.62	1.01	0	1012.86
15/10/2018 03:03	0	3.95	17.57	3.17	1.03	0	1011.43
15/10/2018 04:20	0.02	3.9	17.6	2.95	0.98	0	1012.38
15/10/2018 05:36	0	3.94	17.62	2.83	1.06	0	1013.34
15/10/2018 06:53	0.02	3.94	17.62	2.58	1.01	0	1013.34
15/10/2018 08:09	0.01	3.95	17.63	3.12	0.98	0	1013.81
15/10/2018 09:26	0.02	3.79	17.66	2.79	1.01	0	1014.77
15/10/2018 10:43	0.01	3.79	17.7	3.29	1.11	0	1015.25
15/10/2018 11:59	0.02	3.71	17.73	3.08	1.17	0	1016.2
15/10/2018 13:15	0.01	3.69	17.8	3.25	1.22	0	1016.68
15/10/2018 14:32	0	3.58	17.88	3.04	1.28	0	1017.15
15/10/2018 15:49	0	3.62	17.78	3.5	1.28	0	1017.15
15/10/2018 17:06	0	3.92	17.25	3.04	1.22	0	1018.11
15/10/2018 18:22	0	4.44	16.18	3.42	1.09	0	1019.06
15/10/2018 19:39	0	4.95	15.31	3.25	1.06	0	1019.06
15/10/2018 20:56	0	5.16	15.08	2.66	1.01	0	1019.54
15/10/2018 22:13	0.01	5.03	15.38	3.08	1.17	0	1020.5
15/10/2018 23:29	0.02	4.8	15.73	2.75	1.13	0	1020.5
16/10/2018 00:46	0	4.7	15.99	3.63	1.22	0	1020.5
16/10/2018 02:02	0.01	4.58	16.04	3.08	1.22	0	1020.5
16/10/2018 03:19	0	4.61	15.91	2.91	1.22	0	1020.02
16/10/2018 04:36	0	4.8	15.58	3.12	1.13	0	1020.02
16/10/2018 05:52	0	4.94	15.21	3.25	1.03	0	1020.5
16/10/2018 07:09	0.01	5.13	14.99	3.08	0.98	0	1020.5
16/10/2018 08:26	0	5.17	14.99	2.62	0.98	0	1021.45
16/10/2018 09:42	0.03	5.15	15.02	2.91	1.13	0	1021.45
16/10/2018 10:58	0.02	5.76	13.99	2.87	1.13	0	1022.41
16/10/2018 12:14	0.01	7.15	12.33	3.25	1.11	0	1022.88
16/10/2018 13:31	0	8.93	10.56	3.25	0.95	0	1022.88
16/10/2018 14:47	0	10.52	9.09	3.33	0.87	0	1022.88
16/10/2018 16:04	0	11.75	8.06	3.12	0.9	0	1022.41
16/10/2018 17:21	0	12.5	7.64	3.54	0.92	0	1022.88
16/10/2018 18:38	0	10.66	11.72	3.5	1.44	0	1023.36
16/10/2018 19:54	0	9.24	13.82	3.46	1.49	0	1023.84
16/10/2018 21:11	0	8.06	15.17	3.67	1.44	0	1024.31
16/10/2018 22:28	0	7.6	15.58	3.08	1.3	0	1023.84
16/10/2018 23:45	0	7.13	15.75	3.17	1.25	0	1023.84
17/10/2018 01:01	0	6.95	15.88	3.29	1.25	0	1023.84

17/10/2018 02:18	0	6.74	15.89	3.42	1.2	0	1023.36
17/10/2018 03:35	0	6.54	15.9	3.04	1.2	0	1023.36
17/10/2018 04:51	0	6.39	15.85	2.74	1.09	0	1023.36
17/10/2018 06:08	0	6.16	15.86	2.74	0.98	0	1024.31
17/10/2018 07:25	0.01	5.89	15.87	2.87	0.9	0	1024.31