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Experts in Continuous Monitoring

Initial Landfill Gas Assessment Coed Darcy Landfill, Llandarcy



Site permit boundary (Atkins, 2013)

Prepared for:
Englobe Regeneration UK Ltd.



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Coed Darcy Landfill, Llandarcy

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FOREWORD

This report has been prepared based on information made available to Ground-Gas Solutions Limited (GGS) at the time of the reporting using all reasonable skill, care and diligence and within the limitations of the scope of works agreed with, and resources provided by, the client.

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1 Introduction

GGS Limited (GGS) was commissioned by Englobe Regeneration UK Ltd. (hereafter referred to as Englobe or 'the client'), to prepare an initial landfill gas assessment, to inform an environmental permit surrender strategy, for the Coed Darcy Landfill in Llandarcy, South Wales (subsequently referred to as 'the site' throughout this report).

The site is currently operated by St. Modwen Developments Ltd (hereafter referred to as St. Modwen) in accordance with the environmental permit (converted from an earlier Waste Management Licence), transferred by Environment Agency Wales (since re-organised within Natural Resources Wales), to St. Modwen, in December 2010 (Ref: EPR/AP3990LR). Englobe are understood to have undertaken remediation works on behalf of St. Modwen, and are currently exploring the viability of preparing a landfill surrender application on behalf of St. Modwen.

This initial landfill gas assessment will consider the scope and objectives of GGS' commission, as detailed in Section 1.2 below. The scope of GGS' commission is limited to providing advisory services related to the monitoring and management of landfill gas issues only. GGS's scope does not pertain to the site's ongoing and future management, or redevelopment. The adjoining sites, which include multiple environmental, permitting, and regulatory issues, are also outside GGS' scope. GGS understands that all materials deposited at the site, took place before the site's current environmental permit was issued, and that the permit is solely to ensure the suitable restoration and remediation of the site, taking account of the land condition at the time of permit issue.

1.1 Information supplied to GGS

GGS has relied on the following documents and information provided by the client to help inform this assessment:

- BP Llandarcy Remedial Action Plan – Tip Closure and Completion Strategy (URS, Issue No1c 44382528 – 15th March 2006).
- Coed Darcy Environmental Setting and Installation Design (ESID) Report (Atkins, Rev 0 Draft – June 2013)
- Crymlyn Tip, Coed Darcy Landfill Gas Risk Assessment and Gas Management Plan (Atkins, Rev 0 Draft – June 2013)

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- Interim Comments on Landfill Gas Risk Assessment and Management Plan (Natural Resources Wales, 02/10/2013)
- 2021 Crymlyn Tip – Draft Annual Report (PJA, 04020 – March 2022)
- Coed Darcy Landfill – Assorted gas monitoring records 2013 – 2022 (Various authors)
- Coed Darcy Landfill and adjoining lands – Assorted drilling records (Various authors)
- Coed Darcy Tip – Percussion Drilling Draft Logs 2022. ENBH1 to ENBH11, ENGM01 to ENGM02.

1.2 Aim and objectives

GGs' scope of works aims to provide an initial assessment of the current gas regime at the site, to appropriately determine its suitability to enable environmental permit surrender (landfill gas issues only), and to set out advice on a future programme of monitoring and other works considered likely to be required, to inform a successful future permit surrender application, at an appropriate juncture.

GGs' objectives include:

- Review the site history and geological setting, including previous surrender submissions and management plans
- Review the site's existing landfill gas monitoring infrastructure
- Review available historic landfill gas monitoring data
- Develop a detailed schematic conceptual site model (CSM) of the permitted site
- Identify any immediately apparent obstacles to a successful environmental permit surrender application (landfill gas issues only)
- Outline a future monitoring network and monitoring strategy, to inform a future surrender application.

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2 Site characteristics

2.1 Site history

The site is located approximately 5km west south-west of Neath, and approximately 5km north-east of Swansea, South Wales. The 8ha site was historically operated as an informal and largely unregulated waste disposal facility for wastes arising from the former BP Llandarcy refinery; this large hydrocarbon refinery site (c.400ha) operated throughout most of the 20th Century.

The site is understood to have been used for the disposal of site-derived wastes only between 1947 (possibly since 1920s) and 1999. The site has been covered by appropriate waste disposal authorisation according to the prevailing regulations since 1974. The site is currently operated under an environmental permit issued under the environmental permitting regulations 2007 (as amended). GGS understands that the principal function of the environmental permit between 2010 and the present time is to manage the aftercare period, rather than to allow further waste deposits. Approximately one-third of the original permit area was subject to a successful partial surrender after 2013 (see Figure 1 below).



Figure 1: Original permit area (in red), and the site under consideration in this assessment (in blue). Area inside red line, but outside blue line has been subject to a partial surrender in 2013.

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Varied waste types were deposited at the site, including significant quantities of hydrocarbon liquids and sludges, asbestos containing materials, peat-derived solids and sludges, septic tank wastes, vanadium bearing materials and so-called pyrophoric (auto-ignition) wastes. It is also considered likely that large quantities of Made Ground and pre-Landfill Directive inert wastes were deposited at the site.

The site predates any form of modern landfill containment features, and as such, is considered to have been operated using dilute and disperse principles. Due to the large volumes of liquid hydrocarbon liquids and sludges deposited at the site (and across the wider former refinery area), the site is known to have been heavily impacted by contamination. Longstanding works have been undertaken over approximately 20-years to pump and treat the large quantities of free hydrocarbon product present within the site.

The site has been intensively investigated since the landfill ceased accepting waste; therefore, a significant understanding of the various waste types and depths has previously been established. This is further detailed in Section 2.2 below. It is understood that up to 2-million litres of contaminated groundwater have been successfully treated to date. Residual hydrocarbon contamination within the site is known to exist, including some remaining non-aqueous phase liquid (NAPL) free product. GGS understand that approximately one cubic metre per day of free product is currently extracted via the wells on site, and this activity was ongoing during the monitoring work undertaken by GGS in December 2022.

An extensive network of excavations, monitoring wells, and wells and sumps associated with hydrocarbon extraction exists at the site. A programme of landfill gas monitoring has been undertaken from a subset of these locations since at least 2011; however, this has involved varying locations, parameters, and monitoring approaches. GGS consider the resulting dataset from the landfill gas monitoring conducted since 2011 should be viewed as indicative only, because it only targeted selected areas of the site.

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2.2 Landfill waste composition

The site is comprised of multiple different waste types deposited in several discrete areas. This creates a complex and variable landfill gas regime. For clarity, and to aid the discussion and assessment, the site has been divided into three areas, based on distinct waste deposits, as shown in Figure 2 below:

- Western area – Low-lying terrain with high water table and Made Ground deposits, from the edge of the “Santander trench” to the site’s western boundary.
- Central area – Encompassing the majority of the hydrocarbon impacted deposits.
- Eastern area – Heavily vegetated area eastwards to the site boundary with multiple waste deposit types.

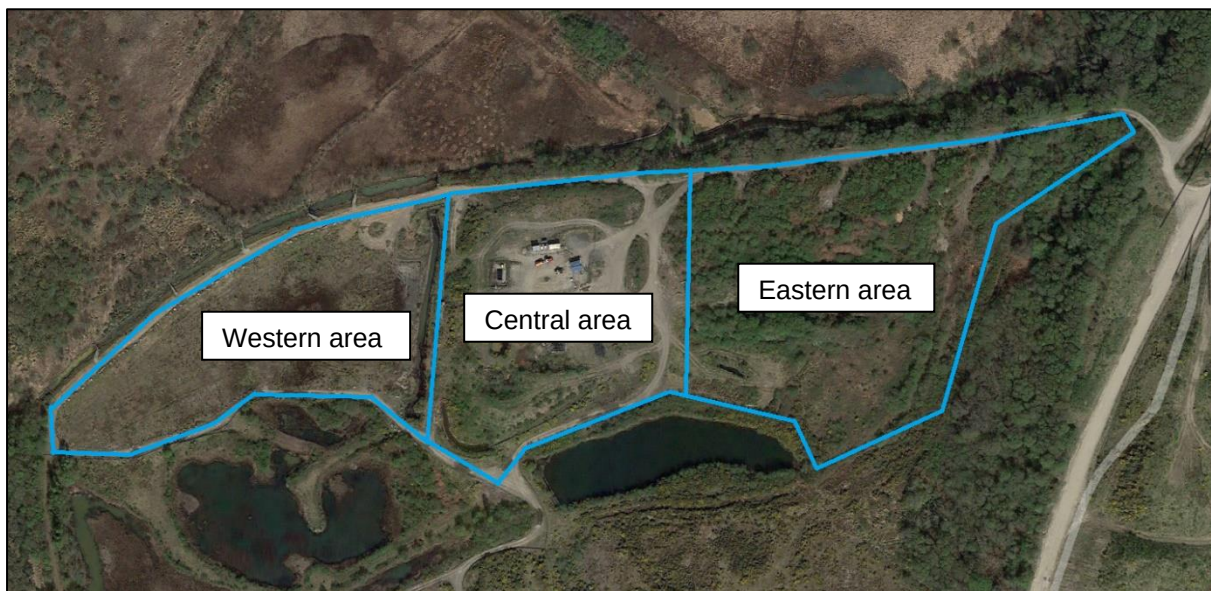


Figure 2: The site divided into 3 areas to aid discussion and assessment.

2.2.1 Western area

The evidence currently available suggests a reasonably standard industrial inert waste, with records indicating the deposition of clean soils across most of this area, and a localised drum burial mound in the far west corner. There is likely to be organic material and minor hydrocarbon contamination in the western area, but it is unlikely that this is a potential significant source of current gas generation, considering its age and composition.

There are a couple of locations at the extreme western end of this zone (almost certainly out of waste) which have occasionally recorded elevated gas concentrations.

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Given the known waste deposits in this area, this gas is very likely caused by localised ground deposits in the immediate vicinity of these monitoring well locations, rather than being evidence of lateral migration from the waste deposits in the western area or from the rest of the site.

2.2.2 Central area

This area is understood to have received peat, Made Ground, asbestos, hydrocarbon liquids, and sewage waste deposits. This area contains most of the monitoring well locations where elevated methane concentrations were measured; however, there has been limited evidence of significant positive gas flow rates.

The water table in the central area appears substantially lowered relative to the surrounding area, which is likely due to the historic/current hydrocarbon pumping operations. The ground gas regime is likely to be significantly altered if pumping ceases.

2.2.3 Eastern area

The eastern area has a complex mixture of deposited wastes, which included sludges, septic tank wastes, vanadium bearing materials, asbestos, and pyrophoric waste. The co-mixing of these different waste deposits will likely result in a complex ground gas regime. In addition, there may be further limitations to investigating this area due to the hazardous nature of these materials, if disturbed. More information on the land condition to the south is likely to be required to fully understand this data.

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3 Regulatory framework

The site and its permit currently sit within the jurisdiction of Natural Resources Wales (NRW). NRW (formerly part of Environment Agency Wales (EAW)), published guidance for surrendering a landfill environmental permit, detailed in document “EPR 5.02 How to surrender your environmental permit – Additional guidance for: Landfill and other permanent deposits of waste”¹.

Note: NRW’s published landfill surrender guidance is essentially a 2014 re-branded version of EA/EAW’s original landfill surrender guidance from 2012². While the Environment Agency has no formal role in the regulating of landfill environmental permits in Wales, they remain influential in this regulatory space. The Environment Agency has since migrated its own landfill surrender guidance to the Gov.uk website³, and subsequently revised it. While the EA state the regulatory substance of the now-published guidance remains unchanged, the ‘language improvements’ introduced do appear to have illustrated a degree of divergence between the original standards and the current text. This point is noted solely to highlight the risk of alternative (more conservative and risk-averse), regulatory standards being brought to bear on the site, should NRW seek input or advice on the surrender of Coed Darcy landfill environmental permit, with particular regard to landfill gas completion criteria.

Note: NRW’s website currently includes links to both the ‘original’ 2014 re-branded guidance and the ‘current’ gov.uk guidance as is applied in England by the Environment Agency. GGS advise that the client should seek confirmation at the earliest juncture as to which guidance version NRW will apply at the present time.

NRW’s guidance states that for a permit to be suitable for surrender, they must be satisfied that:

¹ Natural Resources Wales (2014). How to surrender your environmental permit. Additional guidance for: Landfill and other permanent deposits of waste (EPR 5.02). Version 3, September 2014.

² EA (2012). How to surrender your environmental permit. Landfill (EPR 5.02) and other permanent deposits of waste. Version 2, 13th December 2012.

³ UK Government (2022). Landfill operators: environmental permits. Accessed at: https://www.gov.uk/government/publications/landfill-epr-502-and-other-permanent-deposits-of-waste-how-to-surrender-your-environmental-permit/landfill-and-deposit-for-recovery-aftercare-and-permit-surrender#Completion_criteria:_landfill Updated on 30th March 2022. Viewed 20th December 2022.

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- The site has ceased accepting waste;
- Relevant closure procedures have been complied with;
- An appropriate period of aftercare has passed to allow the waste to stabilise, and to gather evidence to demonstrate that the pollution control measures are no longer necessary; and,
- The deposits of waste are in a satisfactory state that, if left undisturbed, will not cause pollution of the environment.

In addition to the above, any impact on the surrounding environment should be identified, considering the use of the land, including any receptors that are present and any specific land use approved by the planning authority. Site infrastructure such as leachate extraction wells, monitoring boreholes and associated site infrastructure must also be decommissioned before they will accept an application to surrender an environmental permit.

There are three types of surrender applications accepted by NRW for landfill environmental permits: basic, low risk and standard surrender applications. To determine the type of surrender application required the following should be considered:

- The type of waste deposited
- The controls that have been employed to protect the environment
- The sensitivity of the location

The site has a long, atypical, and complex waste acceptance history (as described above), and therefore, has a higher gassing potential (when compared to inert waste). The site will pose challenges related to landfill gas which may require a bespoke approach to surrender and pragmatism on all parties. Therefore, GGS considers it appropriate that the site should follow the standard surrender application criteria.

A standard surrender application should demonstrate through monitoring that landfill gas is no longer being generated at a significant rate. This should be considered on a site-specific basis and consider the likelihood of the gas escaping from the site, causing an unacceptable impact at a receptor. This can include human receptors, sensitive flora and fauna, and emissions to the atmosphere.

A standard surrender application should meet the completion criteria set out by NRW guidance (EPR 5.02¹). These completion criteria are categorised as Scenarios 1, 2 and 3 and a summary of these scenarios taken from the guidance is illustrated in Figure 3 below:

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Scenario 1 Completion criteria

Gas concentration

Maximum methane concentration is less than 1.5%v/v

Maximum carbon dioxide concentration is less than 5%v/v

Standard of evidence

A minimum of 12 datasets over two consecutive years.

Note: You must ensure that these limits have been met throughout the entire waste body and that the gas concentrations have not been exceeded at any time during the two year period. Alternatively, if you can show that the concentration of methane and carbon dioxide within the waste is similar to background concentrations (either natural sources or because of non-landfill activities) in the surrounding environment we will accept that the gas completion criteria have been met.

Scenario 2 Completion criteria

Gas concentration

Maximum methane concentration is less than 5%v/v and

Maximum carbon dioxide concentration is less than 10%v/v

Flow rate

Qhgs is less than 0.7l/h

Maximum flow in any borehole is less than 70l/hr

Standard of evidence

A minimum of 12 datasets over two consecutive years.

This must include gas concentrations in external boreholes between the site and nearby receptors if this is not already required by your permit.

Where continuous monitoring is used this must be for a minimum of 2 months.

Scenario 3 Completion criteria

Measured gas concentration

Maximum methane concentration is greater than 5%v/v or

Maximum carbon dioxide concentration is greater than 10%v/v

Flow rate

Qhgs is less than 0.7l/h

Maximum flow in any borehole is less than 70l/hr

Standard of evidence

A minimum of 24 datasets over two consecutive years.

This must include gas concentrations in external boreholes around the site perimeter if this is not already required by your permit.

Where continuous monitoring is used this must be for a minimum period of six months

Figure 3: NRW guidance (EPR 5.02¹) completion criteria scenarios.

Furthermore, if a site has accepted waste types that have the potential to produce significant quantities of gases other than methane and carbon dioxide, for example hydrogen sulphide or hydrogen, the production of these gases should no longer be significant, and there should be no unacceptable risks associated with any residual gases within the waste mass. GGS consider that this requirement will need considering when assessing the landfill gas regime at the site.

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As part of this initial landfill gas assessment, GGS will take account of available historic monitoring data, contemporary monitoring results, together with additional lines of evidence in developing a surrender strategy for landfill gas issues. This is detailed further in Sections 4, 5 and 6. However, based on initial correspondence with the client, GGS anticipate that only Scenario 3 will provide a viable future strategy.

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4 Review of historical monitoring data (2018- 2022)

4.1 Outline of historic monitoring network

Atkins, and more recently Geo-environmental Applications Limited (GAL), were undertaking monthly periodic gas monitoring at the site, from 12no. monitoring locations since 2010. The results of this monitoring were submitted to the NRW annually.

The current monitoring network is comprised of 4No.* perimeter and off-site locations, and 8No. in-waste locations. It appears to GGS that in earlier years (i.e. pre-2010), a larger monitoring network was maintained, and that the monitoring locations evolved over time; however, no information is available on the rationale for these changes. It is assumed that these changes did not affect the site's core compliance network; however, this should be verified where possible.

* Two of these locations (MSMW155S & D) are a dual installation at a single location.

4.2 Description of current network and recent monitoring results

The current monitoring network is heavily weighted towards the site's central and eastern areas. Large areas across the site and the site perimeter contain no routinely monitored locations. Figure 4 illustrates the approximate locations of these wells, whilst a detailed plan is included in Appendix A.

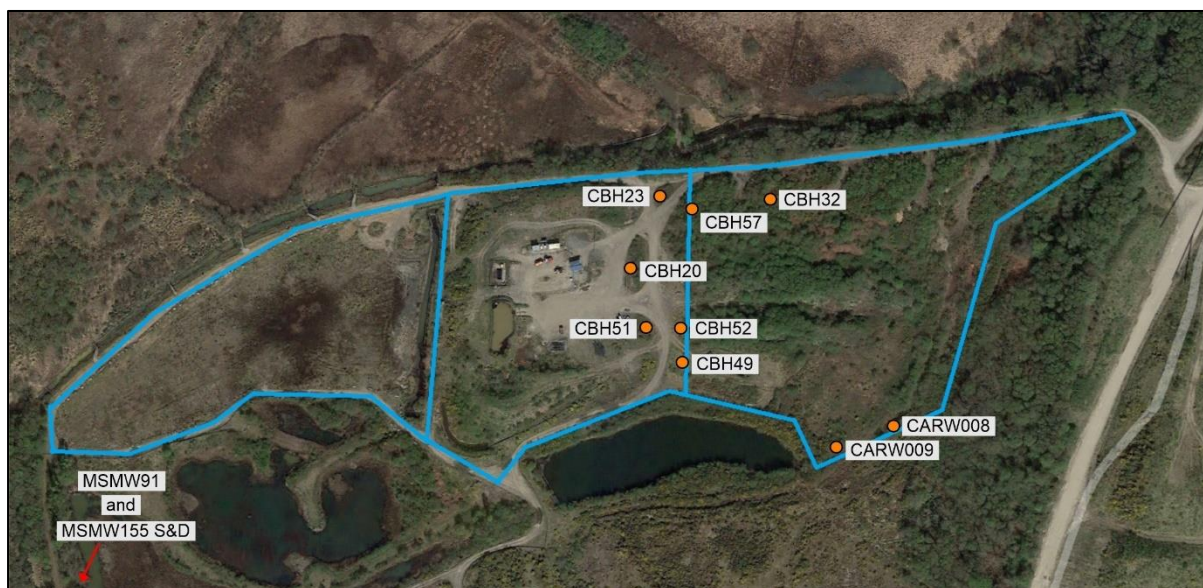


Figure 4. Approximate locations of existing monitoring well network.

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While detailed investigations were not undertaken, these locations have been on-site for approximately 20-years and their condition and ongoing viability is unknown. Therefore, care should be taken in the interpretation of all data arising from these locations.

Notwithstanding the above issues, GGS have reviewed approximately 48-months' worth of periodic gas monitoring results from the current monitoring network, to aid assessment of the site's prospects for supporting a future permit surrender application.

Table 5.1 provides a high-level summary of the gas monitoring results recorded by others, between 2018 – 2022.

Table 5.1: Gas monitoring summary

Monitoring well ID	Location	Summary of observed gas results
MSMW91	Offsite (Partial surrender area)	CO ₂ significantly elevated (up to 17% v/v) and highly variable. Methane only occasionally observed.
MSMW155S & D	Offsite (Partial surrender area)	CO ₂ modestly elevated (up to 3% v/v), methane only occasionally observed (up to 7% v/v).
CARW008	Perimeter (SE boundary)	Both CO ₂ and methane elevated in concert on occasional basis. Potential evidence of transitory gas migration – gas source unconfirmed.
CARW009	Perimeter (SE boundary)	Both CO ₂ and methane elevated in concert on occasional basis. Potential evidence of transitory gas migration – gas source unconfirmed.
CBH51	In-waste – central area	Both CO ₂ and methane significantly elevated, but only occasionally – Evidence of gas migration within site rather than significant ongoing generation.
CBH52	In-waste – eastern area	Both CO ₂ and methane significant elevated, but only occasionally – Evidence of gas migration within site rather than significant ongoing generation.
CBH20	In-waste – central area	Methane significantly and consistently elevated, CO ₂ also consistently elevated – potential ongoing gas generation and/or influence of peat and/or hydrocarbon volatilisation.
CBH57	In-waste – eastern area	Both CO ₂ and methane elevated in concert, but irregularly so – likely evidence of barometric pumping rather than ongoing significant gas generation
CBH32	In-waste – eastern area	Both CO ₂ and methane elevated in concert, but irregularly so – likely evidence of barometric pumping rather than ongoing significant gas generation
CBH23	In-waste – eastern area	Both CO ₂ and methane present at generally very low levels (<5% v/v) with occasional instances of both gases becoming elevated (>5%)
CBH49	In-waste – eastern area	Both CO ₂ and methane consistently elevated, sometimes very significantly so (CH ₄ ~ 40%, CO ₂ ~8%).

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When considering gas monitoring results gathered over prolonged periods, it can be useful to graph individual gases from multiple locations to assess the general character of gas behaviour over time. For example, such visual analysis can allow assessment of data consistency, whether all wells behave in a similar manner, and whether perimeter and in-waste locations display distinct patterns. The following graphs (Figure 5 and Figure 6) summarise the methane and carbon dioxide behaviour respectively, at each of current monitoring locations.

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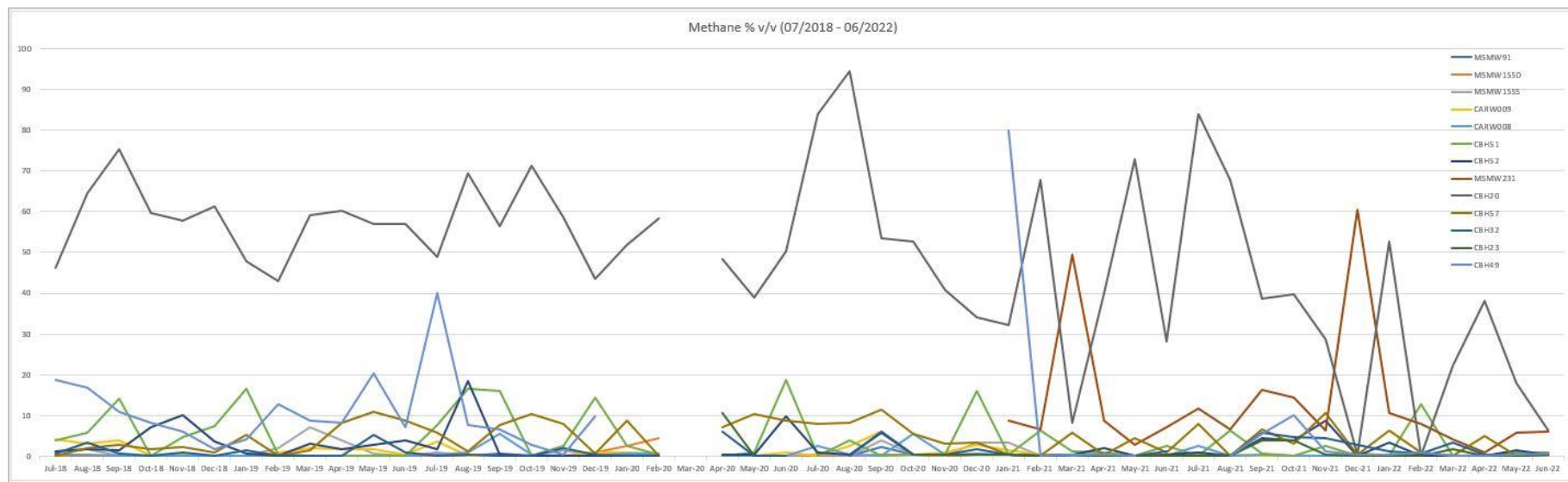


Figure 5. A graph summarising the measured concentration of methane at all locations over a four-year period (2018 – 2022).

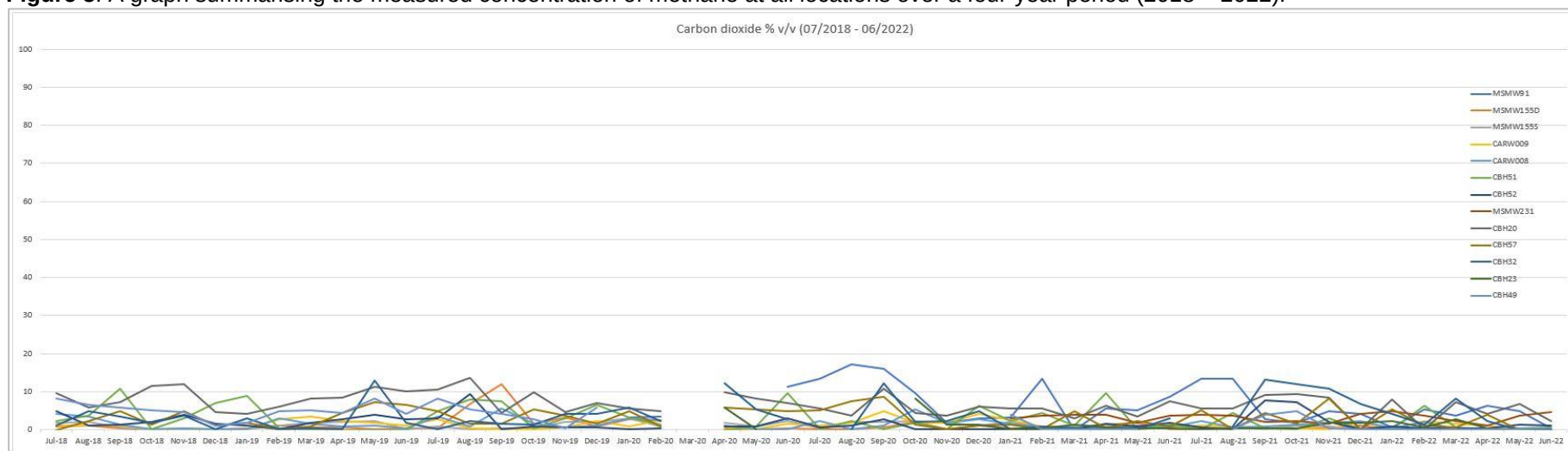


Figure 6. A graph summarising the measured concentration of carbon dioxide at all locations over a four-year period (2018 – 2022).

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4.2.1 Methane behaviour summary

Figure 5 characterises methane in two broad behaviours. Firstly, monitoring locations CBH20, CBH49 and occasionally MSMW231, display very significantly elevated methane concentrations, up to a maximum of 94.6% v/v. Secondly, a larger number of locations display much lower methane concentrations (<20% v/v), albeit with significant temporal variability across all locations.

4.2.2 Carbon dioxide behaviour summary

Figure 6 demonstrates that measured carbon dioxide behaviour is more consistent. The majority of monitoring results indicate carbon dioxide concentrations below 10% v/v. Within this dataset, there are several distinct patterns of behaviour evident. While some instances display consistently elevated readings (which is suggestive of atmospheric pressure driven gas), for most of the monitoring conducted between 2018 and 2022, a complex and indistinct picture is evident. This is likely to be due to multiple different gas regimes, and driving mechanisms, responding to different gas reservoirs across the site, at different times, and under variable conditions. Individual consideration of each monitoring location will ultimately be required to provide more detailed interpretation of the prevailing gas behaviour, and any potential impacts on a future permit surrender application.

4.2.3 Discussion of borehole flow results

No borehole flow results were contained within the gas monitoring results summary provided for the monitoring conducted between mid-2019 and mid-2022; however, limited flow data was available for monitoring conducted between 2018 and early 2019. A broad range of borehole flow rates were recorded, ranging from -17 l/hr to +3.2 l/hr. The majority of results reviewed indicated negative borehole flow rates, which indicates flow from atmosphere into the waste mass. This fact, while by no means conclusive, can be suggestive of a general absence of significant ongoing landfill gas generation; any such generation would generally be expected to overwhelm any atmospheric dynamics, to yield generally positive measured flow rates.

GGs' experience across many sites, shows that recorded borehole flow rates may overstate the true rates of borehole flow present at a site (for both positive and negative flows). Measurements of flow rates are commonly judged prematurely on sites, due to time pressures, particularly where large numbers of locations are routinely monitored (i.e. a degree of operator fatigue can affect the results recorded).

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Due to the nature of both the hazardous gas flow rate (Qhgs) and gas screening value (GSV) calculations set out in guidance⁴, borehole flow rates play a disproportionate role in the assessment of gas risks posed by a site (whether it be a landfill or alternative gas source). It is essential that care is taken in the future collection of borehole flow rate data at the site. This is crucial at this site, for surrender criteria 3, where flow becomes the sole threshold parameter; this is likely to apply to a large proportion of the site area.

4.3 Conclusions

While the existing monitoring network is significantly limited in its spatial extent, it nonetheless provides valuable insights into ground gas behaviour both within the site, and its surrounding area. Virtually all monitored locations display elevated gas concentrations on occasion; however, there is a general absence of monitoring results which closely mirror those typically expected of genuine landfill gas generation (see also Section 6.1). There are some instances, particularly at location CBH20, where very significantly elevated methane concentrations are evident. While insufficient evidence is available at this time to confidently explain this behaviour, it is considered highly likely that a combination of significant hydrocarbon contamination, together with an underlying gas regime, dominated by peat gases prevails on the site.

Limited reliable evidence is available on accurate borehole flow rates at the site. Where recorded, a significant number of monitoring results indicate negative borehole flow rates. While not conclusive, this is suggestive of a general absence of significant ongoing landfill gas generation. Further scrutiny and careful monitoring of borehole flow rates from a fit-for-purpose monitoring network is required; this will be critical to justifying an acceptable case to support permit surrender, once an appropriate period of data collection has been executed.

⁴ BSI (2019). Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings. BS8485:2015+A1:2019.

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5 Technical uncertainties and contemporary monitoring

5.1 Outline

Following initial discussions with the client, several technical uncertainties relating the existing landfill gas behaviour and monitoring data were identified. To avoid these uncertainties negatively affecting the ability to support a future successful permit surrender application, it was decided to investigate these issues at the earliest possible stage.

The two technical uncertainties identified, together with a justification of their inclusion are as follows:

1. Significantly elevated methane concentrations ($>5\%v/v$) within gas monitoring data. Such results limit a site to Scenario 3 completion criteria (with respect to landfill gas), and commonly present an obstacle to successful permit surrender when not associated with natural background concentrations or other off-site sources.
2. Consideration of trace gases, including volatile organic compounds (VOCs), and their potential to present unacceptable risks on human health, for example, to a person stood/walking across the site surface (as would be enabled without controls, should a permit be surrendered)

Initial communications between GGS and the client identified the fact that a small number of monitoring locations at the site commonly recorded significantly elevated methane concentrations (up to c.70% v/v). GGS noted that if such concentrations were identified to be due to significant ongoing landfill gas generation and/or should they be accompanied by positive borehole flow rates ($Q_{hgs} > 0.7$ l/hr and/or flow > 70 l/hr in any single borehole), this would present a potentially insurmountable obstacle for a successful surrender application, in the near future. It was decided to scrutinise a select number of wells where significantly elevated methane concentrations were previously recorded, together with the historic data obtained, to better understand the current gas conditions present. In addition, further data was obtained to understand whether the unusually high VOC concentrations present within the gas (due to the historic hydrocarbon contamination), might be interfering with the methane results recorded (due to instrument sensor cross-sensitivity), or any other atypical phenomena.

A secondary technical uncertainty identified was whether the unusual waste deposit history at the site (particularly within the central portion of the site), which may give rise to significant trace gas generation. Related to this, is understanding whether significant surface emissions

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of VOCs exist, for example, whether a person stood upon the site surface may experience acute harm, due to breathing in VOC emissions. It was therefore considered necessary to establish whether significant surface VOC emissions were occurring, and if so, to identify whether such emissions may be sufficiently significant to require more detailed human health risk assessment.

To refine the client's understanding of these technical uncertainties, a limited initial programme of site-based monitoring and gas sampling works was undertaken. These are detailed in the following sections.

5.2 Monitoring works

GGs specialists attended the site during December 2022 to undertake an initial programme of works. The objectives of this site work were as follows:

- to undertake site reconnaissance, to identify any further relevant issues
- to assess the presence, condition, and ongoing suitability of any pre-existing landfill gas monitoring infrastructure
- to undertake real-time comparison of observed methane concentrations using both a GA5000 infra-red (IR) gas analyser (GA), and a methane-specific tuneable diode laser (TDL) gas analyser
- to collect landfill gas samples from selected wells for subsequent laboratory analysis, to identify absolute methane and Total VOC (TVOC) concentrations using flame ionisation detection (FID), gas chromatography (GC), and mass spectrometry (MS), for comparison with results gathered in the field
- to survey the central area surface for any significant sources of methane and/or TVOC emissions (and if detected, to seek to quantify their relative flux at the time of surveying)

Additionally, at the client's direction, the following objective was added at a late stage:

- to deploy continuous monitoring equipment within selected monitoring wells, to provide improved information of equilibrium gas concentrations and potential driving mechanisms.

Table 5.1 below details the monitoring and sampling works undertaken

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Table 5.1 Schedule of onsite monitoring works undertaken

Date	Gas monitoring undertaken
07/12/2022	- Simultaneous periodic monitoring (GA & TDL) of 5No. monitoring wells - Replacement of 3No. monitoring well headworks (to accommodate CM instruments) - Deployment of 3No. continuous monitoring instruments
08/12/2022	- Simultaneous periodic monitoring (GA & TDL) of 10No. monitoring wells - Gas sampling of 6No. monitoring wells - Replacement of 2No. monitoring well headworks (to accommodate CM instruments) - Deployment of 2No. continuous monitoring instruments - Completed surface emissions walkover survey (CH₄ & TVOC)

The approximate locations of the monitoring wells included in GGS' monitoring works in December 2022 are illustrated in Figure 7, whilst a detailed plan is included in Appendix A.



Figure 7. Approximate locations of the monitoring wells included in GGS' monitoring works in December 2022.

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5.3 Monitoring results

5.3.1 Periodic monitoring and gas sampling

GGs undertook periodic monitoring of 15no. monitoring wells between 12:30 on 7th December and 13:00 on 8th December 2022. During this period the atmospheric pressure was falling steadily from 1023mbar to 1010mbar (see Figure 8).

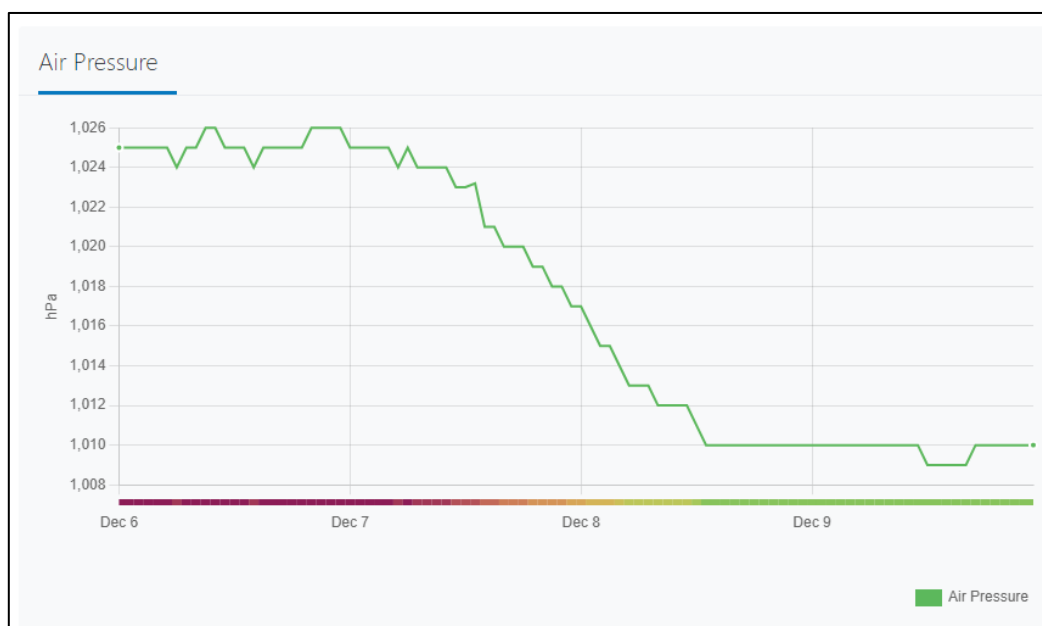


Figure 8: Atmospheric pressure trend during periodic monitoring visits⁵.

The periodic monitoring results are summarised in Table 5.2 below.

⁵ Meteostat (2022). Swansea. Available at: <https://meteostat.net/en/place/gb/swansea?s=03605&t=2022-12-06/2022-12-09>

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Table 5.2 Summary of December 2022 periodic monitoring results

Table 5.12 Summary of December 2022 periodic monitoring results									
BH	Max. steady flow rate (l/hr)	Max. CH ₄ (% v/v)	Max. CO ₂ (% v/v)	Min. O ₂ (% v/v)	Max. CO (ppmv)	Max. H ₂ S (ppmv)	TVOC (ppmv)	Min GW level (m bgl)	Notes
ENBH02	0.1	0.1	1.6	19.0	2	0	0.0	2.75	4 & 8
ENBH03	0.3	0.1	1.3	19.3	3	0	0.0	5.37	1 & 8
ENBH04	0.2	0.1	4.4	13.2	0	0	1.6	9.54	4 & 8
GM01	0.1	0.1	0.9	20.6	0	0	0.0	4.12	3 & 5
ENBH08	0.2	4.6	5.5	10.7	0	0	15.8	2.23	2
GM02	0.1	13.8	0.3	6.6	0	0	0.5	2.46	
ENBH06	-4.5	2.6	0.5	16.7	0	0	0.6	1.22	3 & 8
ENBH09	0.1	15.6	5.3	16.6	0	0	0.0	2.96	1 & 2
ENBH11	-0.3	0.5	9.8	16.2	44	1	0.0	0.34	3 & 8
CBH20	0.1	45.4	12.2	0.0	0	5	2.6	6.57	1
CBH32	0.0	3.0	9.9	6.4	0	0	9.4	NM	5
CBH51	0.1	0.1	1.5	19.6	0	0	40.2	7.08	5
CBH52	0.0	11.7	2.2	15.4	0	0	0.4	NM	6
CBH57	0.1	8.8	7.9	0.7	0	0	8.4	NM	5
MSMW2 31/ BH40	0.1	7.2	3.2	16.8	0	0	38.8	7.30	5 & 7
Key: 1/hr – litres per hour %v/v – percentage volume by volume ppmv – parts per million by volume						mbgl – metres below ground level Max – Maximum Min. – Minimum NM – Not Measured			
Notes: 1 – Hydrocarbon odour 2 – Sewage odour 3 – Headwork flooded 4 – Well unsealed upon arrival 5 – Free product present						6 – Well blocked (pumping pipework) 7 – Uncertainty over borehole ID. 8 – Gas analyser pump struggled due to negative pressure observed during sampling, indicating an isolated well headspace.			
Monitoring wells located along the northern boundary of the site, screened in peat and other natural strata									
Monitoring wells located along the southern boundary of the site. Screened horizon uncertain									
Monitoring wells located in the centre of the site. Screened horizon uncertain									

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The periodic monitoring highlighted very modest gas flows and concentrations in the monitoring wells along the northern perimeter of the central and eastern areas of the site (ENBH02, ENBH03, ENBH04, GM01). The monitoring wells along the southern boundary of the central area (ENBH08 and GM02) identified elevated concentrations of methane, TVOCs and depleted oxygen, but no significant carbon dioxide concentrations or flow rates.

The remaining monitoring wells located across the centre of the site, highlighted a mixture of gas concentrations, but no significant flow rates. The most notable flow rates were negative readings, and most wells where a flow reading was detected, were noted to have likely had a trapped headspace (normally caused by a flooded response zone). Therefore, the flow readings observed are likely a result of the “piston effect” within the wells, rather than an indication of gas generation at the site.

The periodic monitoring undertaken by GGS included multiple methods for analysing the gas concentrations, in order to identify/highlight any cross-sensitivity or variance between the monitoring methods. The results are summarised in Table 5.3.

Table 5.3 Comparison of periodic and laboratory results (key parameters only)

Location	CH4 (GA) % v/v	CH4 (TDL) % v/v	CH4 (Lab) % v/v	CO2 (GA) % v/v	CO2 (Lab) % v/v	O2 (GA) % v/v	O2 (Lab) % v/v	TVOC (PID) (ppmv)	TVOC (Lab) (ppmv)
ENBH02	0.1	0.01	NM	1.6	NM	19.0	NM	0.0	NM
ENBH03	0.1	0.0002	NM	1.3	NM	19.3	NM	0.0	NM
ENBH04	0.1	0.0002	NM	4.4	NM	13.2	NM	1.6	NM
GM01	0.1	0.0003	NM	0.9	NM	20.6	NM	0.0	NM
ENBH08	4.6	2.0	NM	5.5	NM	10.7	NM	15.8	NM
GM02	13.8	7.4	NM	0.3	NM	6.6	NM	0.5	NM
ENBH06	2.6	1.1	NM	0.5	NM	16.7	NM	0.6	NM
ENBH09	15.6	9.7	NM	5.3	NM	16.6	NM	0.0	NM
ENBH11	0.5	0.0003	NM	9.8	NM	16.2	NM	0.0	NM
CBH20	45.4	25.7	41.91	12.2	10.51	0.0	2.0	2.6	27.37
CBH32	3.0	1.3	2.29	9.9	7.62	6.4	9.4	9.4	16.99
CBH51	0.2	0.03	<0.05	2.6	0.83	20.6	18.7	40.2	8.40
CBH52	11.7	6.0	9.69	2.2	1.70	15.4	16.4	0.4	14.40
CBH57	8.9	4.3	6.49	8.0	6.00	0.7	5.1	8.4	14.33
MSMW231/ BH40	7.2	3.1	3.59	3.2	1.88	16.8	18.7	38.8	15.84
Key: NM – Not measured.									

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The results summarised in Table 5.3 confirm that there is a systematic variance between the methane concentrations measured by a standard handheld Infrared (IR) gas analyser (GA5000), tuneable laser diode (TDL) technology, and laboratory gas chromatography/mass spectrometry. This is a well-known cross-sensitivity of IR methane sensors to VOC vapours. The TDL technology claims to be totally selective to methane; however, the relationship is not perfectly consistent and it appears that at this site, a standard handheld instrument provides methane readings 80-120% higher than the true (TDL) value, and 10-30% higher than laboratory analysis values.

The same relationship is true with carbon dioxide concentrations, with field measurements recording 10-30% higher than laboratory analysis values. For oxygen, although there was a variance between the field measurements and laboratory analysis results, there was no correlation either way, and the results were broadly comparable. The TVOC results demonstrated a significant divergence between field results and laboratory analysis. It is well known that using different methods to quantify “total” VOC concentrations can produce significantly different results; therefore, these TVOC concentrations should be used as indicative values, rather than absolute. Given the site’s history, the order of magnitude of TVOC concentrations identified in both methods is considered low.

5.3.2 Surface emissions

GGs undertook a detailed surface emissions survey of the site on 8th December 2022 for both methane and TVOC. Access to large areas of the site surface was not possible due to dense vegetation, saturated ground and the presence of earthworks bunds, etc. Figure 9 highlights the approximate area covered by the survey (in yellow). Atmospheric pressure at the time of the survey was stable at 1012mb. A light frost was present earlier in the day, but the ground had thawed and was very wet during the surface emissions survey.



Figure 9. Approximate area covered by the surface emissions survey (in yellow).

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No widespread surface emissions of either methane or TVOC were detected during the survey. A single point source feature associated with a surface crack was identified close to the site's southern boundary, where a maximum methane reading of 15ppmv was recorded. No corresponding elevated TVOC measurement was evident from this feature. While the results of this survey suggest an absence of significant surface emissions, which is encouraging, it is likely that further evidence gathered when the ground conditions are dryer and higher atmospheric temperature, may be required to establish 'worst case' conditions with respect of surface VOC emissions.

5.3.3 Continuous monitoring

Continuous ground gas monitoring equipment was deployed in 5No. monitoring wells for a four-week period, between 7/8th December 2022 and 10th January 2023.

Table 5.4 below summarises the continuous ground gas equipment deployment at the site:

Table 5.4 Schedule of continuous monitoring at the site

Location ID	Dates monitored	Instrument Model & ID
ENBH04	08/12/22 – 10/01/23	GC31/04/09 & FD05
ENBH08	07/12/22 – 10/01/23	GC50/06/18 & FD24
ENBH09	07/12/22 – 10/01/23	GC125/03/10 & FD20*
GM01	08/12/22 – 10/01/23	GC117/03/10 & FD22 BL001-2017849
GM02	07/12/22 – 10/01/23	GC118/03/10 & FD21
Key: GC – GasClam; FD – Flow Device; BL – Barologger		

Note: * The flow device at ENBH09 failed it's post-deployment quality checks, therefore the data from this device has been omitted from this report.

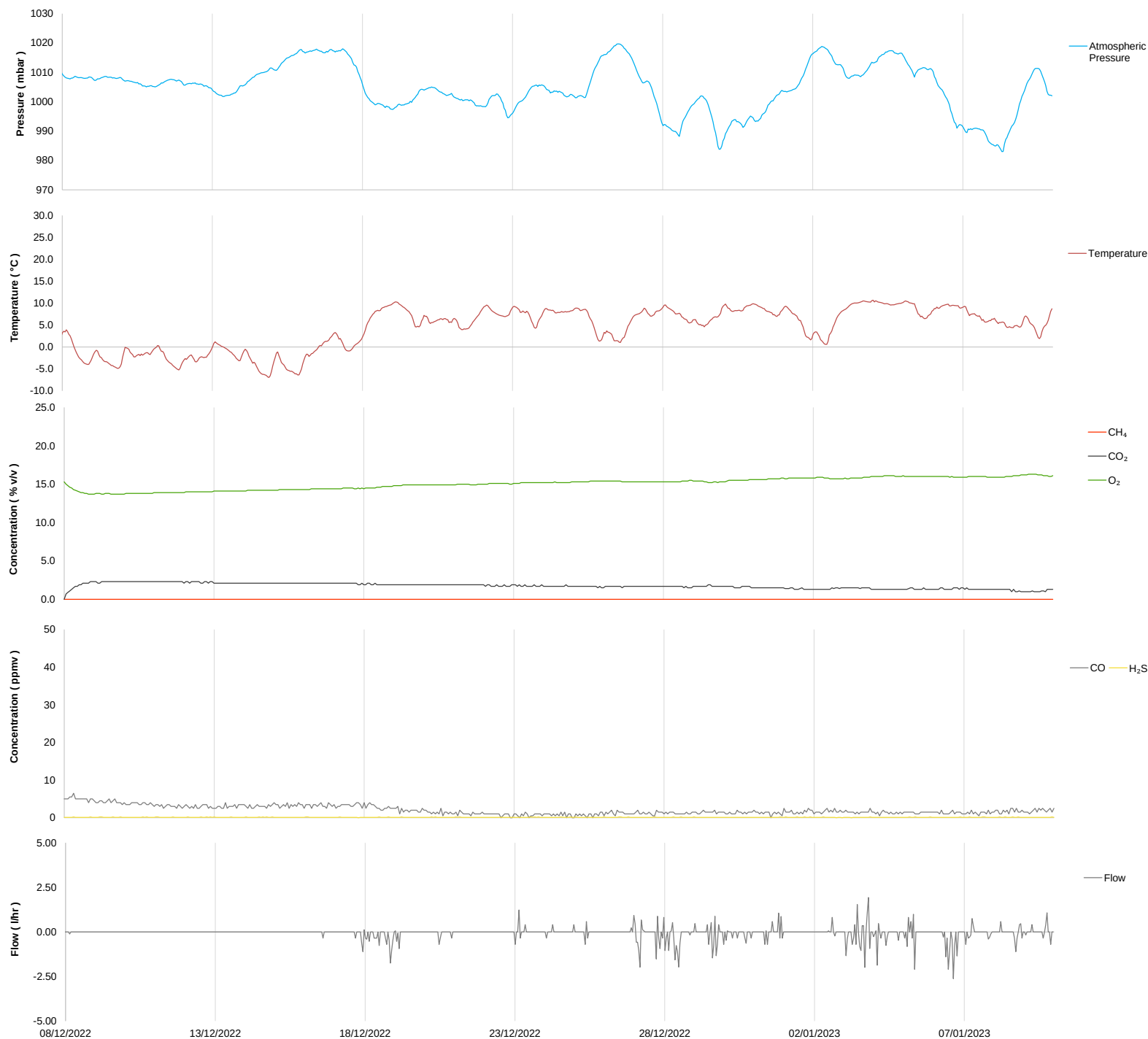
The continuous monitoring targeted wells at the site that are currently compatible with the continuous monitoring instruments. Two selected wells were located along the northern perimeter of the site (ENBH04 and GM01) and three selected wells were along the southern perimeter of the site (ENBH08, ENBH09 and GM02). These wells are understood to have a screen in the Peat horizons, which were submerged by the groundwater during the monitoring period.

The continuous monitoring data undertaken by GGS, is presented on time-series graphs on the following pages. The full dataset is presented in Appendix B.

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The most significant atmospheric pressure fall captured during the continuous monitoring period was 17 millibars over 11-hours and, with a peak rate of fall of 8mbar over 4-hours at 8am on 30th December 2022. It is considered that falling atmospheric pressure events approaching 'worst case' conditions were captured during this continuous monitoring period.



Title:

ENBH04 - Time Series Graphs

Project:

GG3151 - Coed Darcy Landfill, Llandarcy

Client:

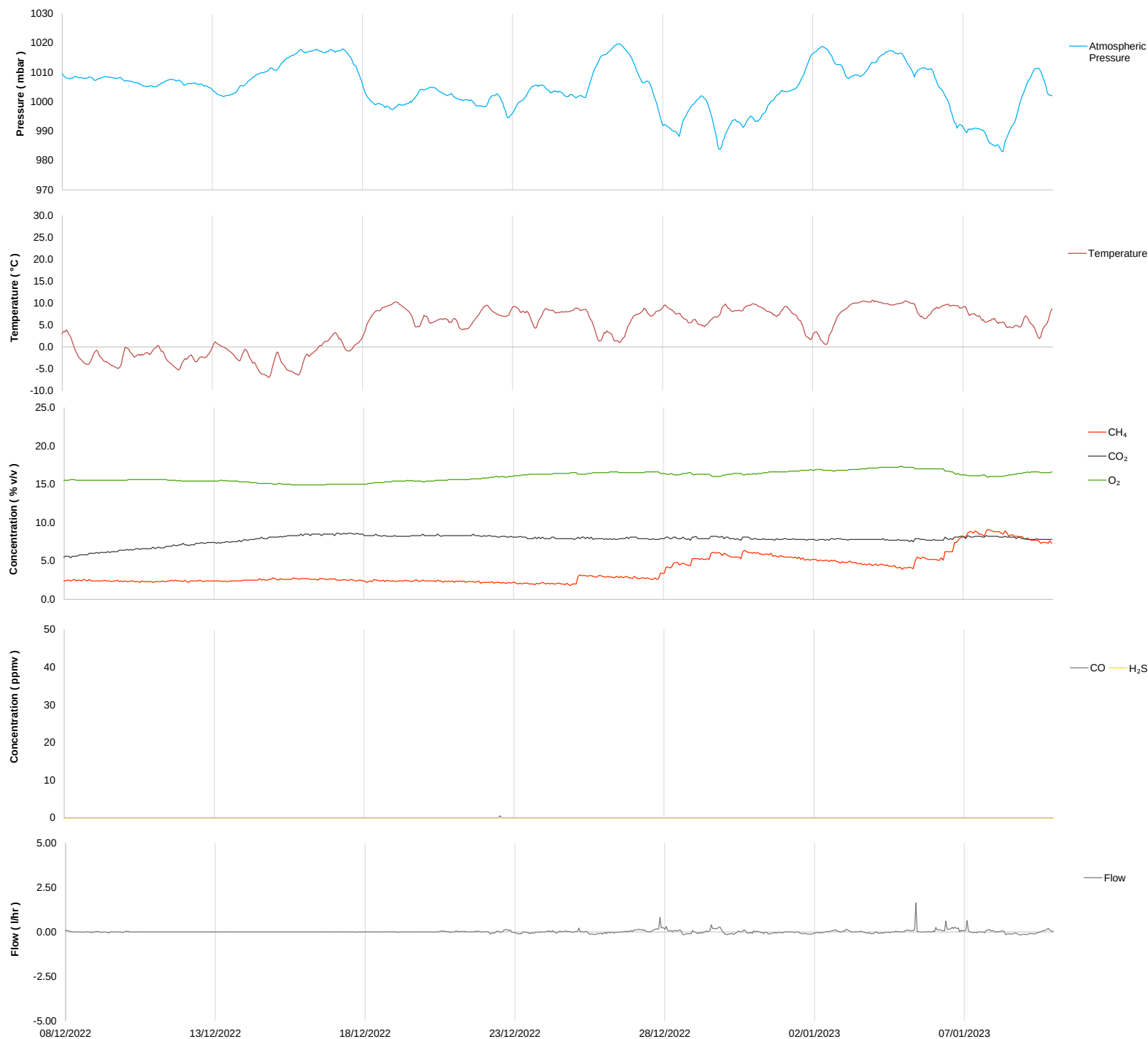
Englobe Regeneration UK Ltd.

Minimum / Maximum Table		
Parameter	Minimum	Maximum
CH ₄ (% v/v)	0.0	0.0
CO ₂ (% v/v)	0.0	2.3
O ₂ (% v/v)	13.7	16.3
Hydrogen Sulphide (ppmv)	0	0
Carbon Monoxide (ppmv)	0	7
Atmospheric Pressure (mbar)	983	1020
Temperature (° C)	-6.9	10.7
Flow (l/hr)	-2.62	1.93

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Title:

ENBH08 - Time Series Graphs

Project:

GG3151 - Coed Darcy Landfill, Llandarcy

Client:

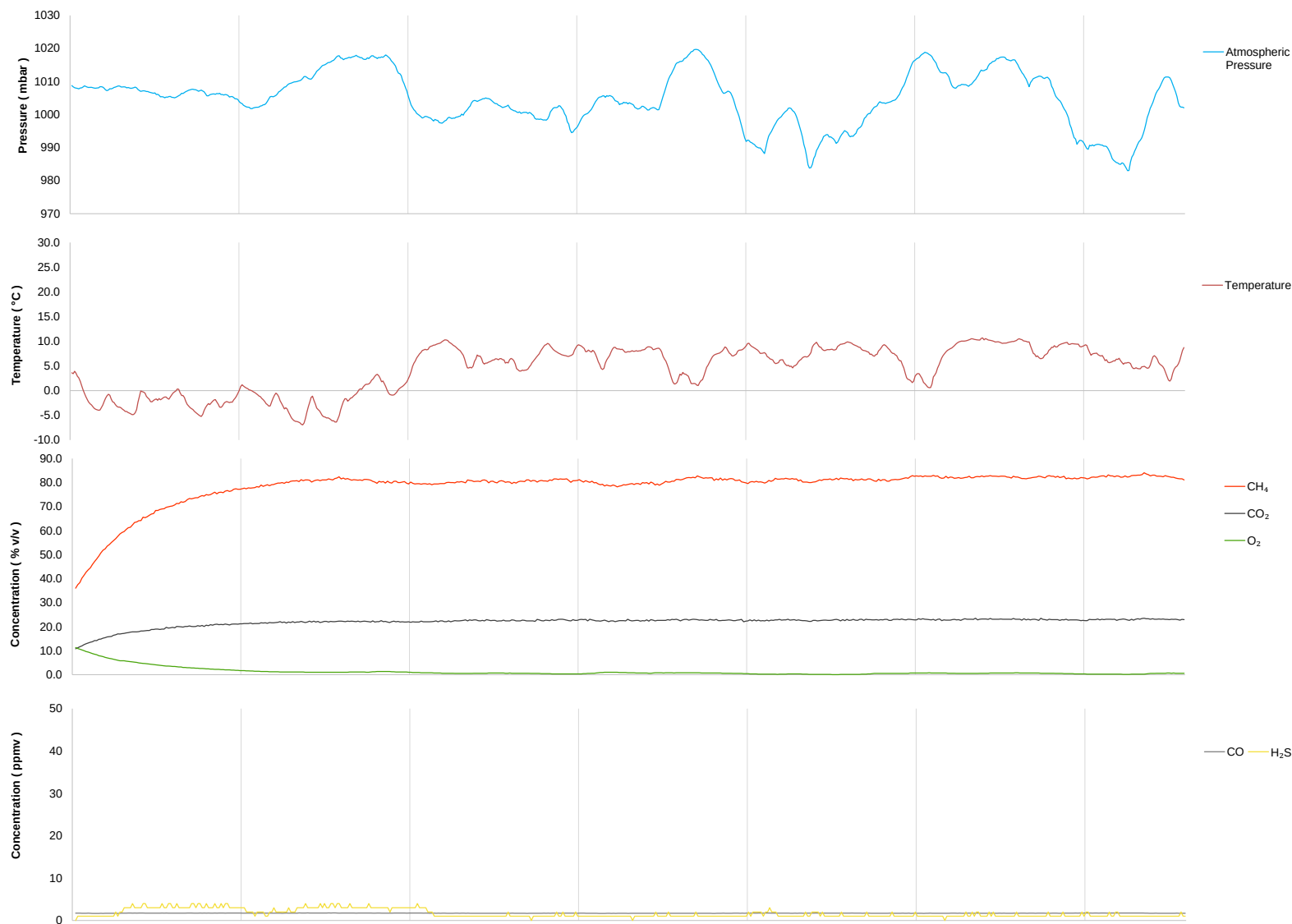
Englobe Regeneration UK Ltd.

Minimum / Maximum Table		
Parameter	Minimum	Maximum
CH ₄ (% v/v)	1.8	9.1
CO ₂ (% v/v)	5.4	8.6
O ₂ (% v/v)	14.9	17.3
Hydrogen Sulphide (ppmv)	0	0
Carbon Monoxide (ppmv)	0	1
Atmospheric Pressure (mbar)	983	1020
Temperature (° C)	-6.9	10.7
Flow (l/hr)	-0.17	1.63

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Title:

ENBH09 - Time Series Graphs

Project:

GG3151 - Coed Darcy Landfill, Llandarcy

Client:

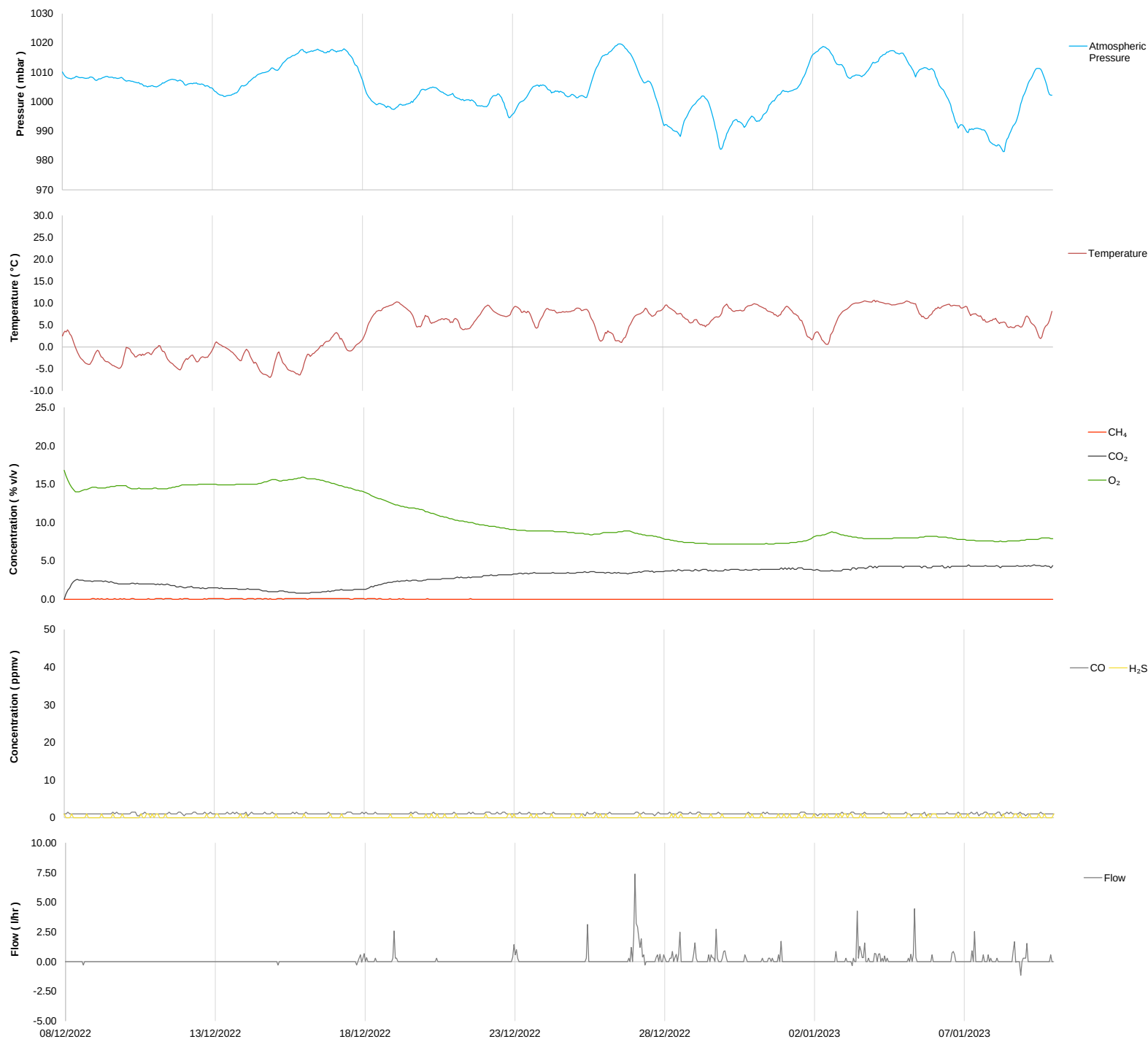
Englobe Regeneration UK Ltd.

Minimum / Maximum Table		
Parameter	Minimum	Maximum
CH ₄ (% v/v)	36.0	84.1
CO ₂ (% v/v)	10.8	23.5
O ₂ (% v/v)	0.0	11.3
Hydrogen Sulphide (ppmv)	0	4
Carbon Monoxide (ppmv)	2	2
Atmospheric Pressure (mbar)	983	1020
Temperature (° C)	-6.9	10.7

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Title:

GM01 - Time Series Graphs

Project:

GG3151 - Coed Darcy Landfill, Llandarcy

Client:

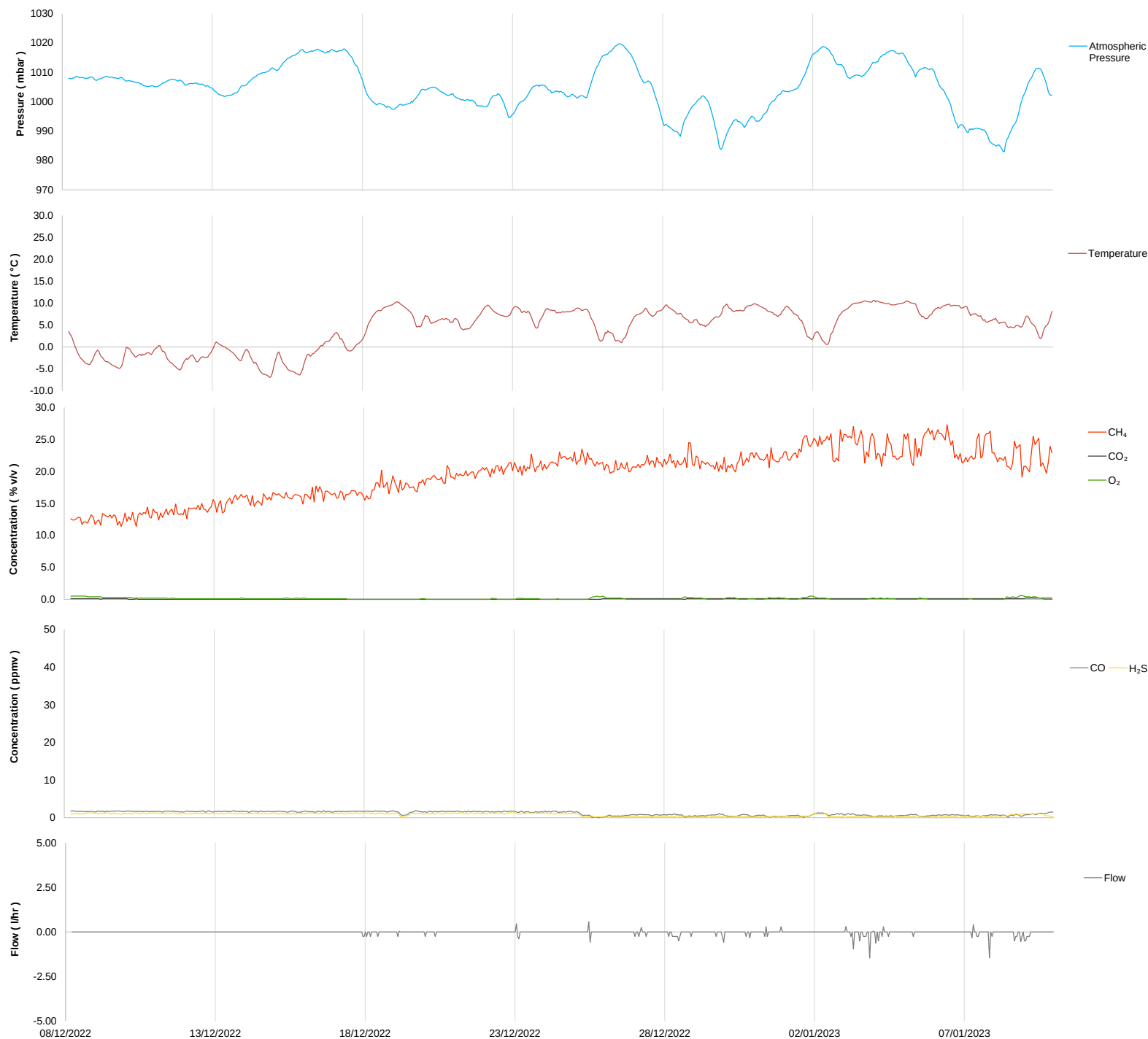
Englobe Regeneration UK Ltd.

Minimum / Maximum Table		
Parameter	Minimum	Maximum
CH ₄ (% v/v)	0.0	0.1
CO ₂ (% v/v)	0.0	4.5
O ₂ (% v/v)	7.2	16.8
Hydrogen Sulphide (ppmv)	0	1
Carbon Monoxide (ppmv)	1	2
Atmospheric Pressure (mbar)	983	1020
Temperature (° C)	-6.9	10.7
Flow (l/hr)	-1.16	7.38

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Title:

GM02 - Time Series Graphs

Project:

GG3151 - Coed Darcy Landfill, Llandarcy

Client:

Englobe Regeneration UK Ltd.

Minimum / Maximum Table		
Parameter	Minimum	Maximum
CH ₄ (% v/v)	11.4	27.3
CO ₂ (% v/v)	0.0	0.2
O ₂ (% v/v)	0.0	0.6
Hydrogen Sulphide (ppmv)	0	2
Carbon Monoxide (ppmv)	0	2
Atmospheric Pressure (mbar)	983	1020
Temperature (° C)	-6.9	10.7
Flow (l/hr)	-1.46	0.57

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The continuous monitoring and periodic monitoring undertaken by GGS had comparable findings to the monitoring conducted at the site between 2018 and 2022, with low concentrations of methane and carbon dioxide in the wells along the northern perimeter, and elevated readings of methane and carbon dioxide in the wells along the southern perimeter. However, the continuous monitoring highlighted that the variability in flow readings was consistent along both the southern and northern boundaries of the site (this is discussed further in Section 6.4).

The gas concentrations observed during the continuous monitoring at ENBH08 demonstrated a behaviour often seen from wells with methane-saturated groundwater. This is evident from the increase in methane concentrations during periods of stable carbon dioxide concentrations. Methane is less soluble in water than carbon dioxide; therefore, it typically degasses from groundwater more readily than carbon dioxide during falling pressure events, or when groundwater is agitated. The presence of TVOCs obtained from periodic monitoring also suggests that hydrocarbons may be present in the groundwater at this location.

The gas regime observed at ENBH09 during the continuous monitoring is typically seen in Peat horizons, with very high methane concentrations and relatively modest carbon dioxide concentrations. The absence of any significant flow rates and TVOC concentrations during the periodic monitoring undertaken by GGS, also suggests that these gases predominantly originate from Peat deposits.

The monitoring at GM02 highlighted a relative absence of carbon dioxide and oxygen, but significant concentrations of methane. This behaviour and gas regime can have many sources (e.g. Peat with carbon dioxide dissolving more readily into the groundwater; organic rich landfill deposits; hydrocarbons etc.), but was exclusive to this location, and highlights the prospect of a complex gas regime across the site, with localised pockets of variable gas behaviour.

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6 Landfill gas surrender initial assessment

GGs will consider each of the requirements set out by the NRW guidance, to assess the current landfill gas regime at the site and whether the landfill gas completion criteria are likely to be reasonably satisfied through a future surrender monitoring programme. GGS will do this by examining the landfill gas behaviour using the available gas monitoring data, and using a lines of evidence approach to assess the potential pathways and existing receptors, within a site-specific conceptual model.

6.1 Typical landfill gas composition

When assessing landfill gases, it is important to understand the typical characteristics of actively generating landfill gases. The methane to carbon dioxide ratio of typical landfill gas is approximately 3:2 (this can vary depending on the composition and age of the waste). Therefore, in locations where landfill gas is present in significant quantities, it is common to see a mix of 60% methane, 40% carbon dioxide and 0% oxygen. Where ongoing landfill gas generation is significant, these concentrations are observed to remain consistent; they are associated with sustained positive borehole flow rates, and with limited influence from other drivers such as atmospheric pressure and groundwater levels, (i.e. the effect of active landfill gas generation is dominant relative to other influences, such as atmospheric pressure changes and/or tidal effects). Figure 10 below illustrates how continuous monitoring data from a monitoring well located within a source of actively generating landfill gas would typically appear. Note: the initial period of well stabilisation following the deployment of the instrument is quickly replaced with steady concentrations of elevated methane and carbon dioxide, together with steady and elevated flow rates. Oxygen is also completely displaced, creating an anaerobic environment.

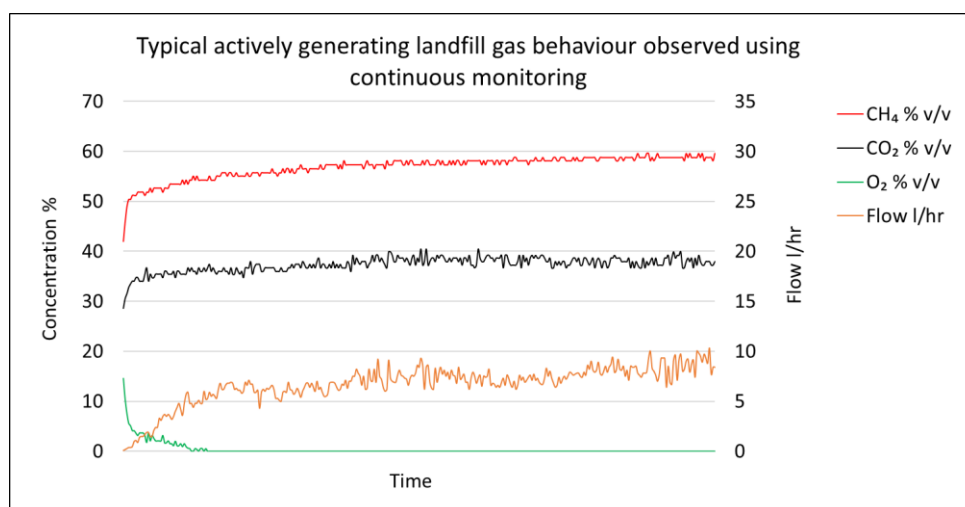


Figure 10: Typical behaviour of actively generating landfill gas as seen on continuous monitoring data.

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6.2 Gas composition

The historic monitoring data together with the data recently obtained by GGS, highlights a variable gas regime at the in-waste monitoring well locations; evidence of high background methane concentrations from Peat deposits; and, potential off-site contamination sources along the southern boundaries of the site (see discussion in Section 5.3.3).

The relatively limited gas flow data, indicates that there is very limited gas generation occurring at the site; however, further data from suitable in-waste boreholes at the site is required to confirm this.

The high groundwater levels at the site also provides limitations to the gas monitoring data, with many monitoring well locations present with flooded screens. The degassing behaviour observed in ENBH08 (see Section 5.3.3), further highlights the need to consider the groundwater as a migration pathway for ground gases, in the dissolved phase at the site.

6.3 Natural superficial and bedrock geology

The site is continuously underlain by Peat deposits, with landfilling understood to have occurred as a land raise over these superficial deposits, with no lining or barrier between the Peat and the waste. Peat is a well-known gas source, with methane produced by the microbial decay of organic material under anaerobic conditions, usually waterlogged vegetation. Although it is typical for methane concentrations to reach 90% in Peat deposits, and it can be a reservoir for large volumes of methane gas due to it's high porosity, it has a low-generation potential, which results in very low flow readings. Carbon dioxide is usually also present in more modest concentrations, as a result of methane oxidation.

Therefore, when assessing the gas concentrations and flow rates at the site against surrender criteria, the background (or baseline) gas regime should be considered; the Peat deposits are very likely to be a contributing factor to the gas regime observed within the waste deposits.

In boreholes located along the northern perimeter of the site, the Peat is underlain by Till, with approximately 1m of clay identified in boreholes logs. Along the southern perimeter of the site, the Peat is underlain by sand in the majority of the boreholes, indicating that the Peat directly overlays the bedrock geology in these locations.

According to borehole logs and BGS maps, the bedrock geology comprises silts, gravels and sands associated with the Hughes Member and Swansea Member, both of which are part of the Pennant Sandstone Formation.

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There is no indication of organic material within these deposits; therefore, they are not considered a potential source of ground gas, and their location, in terms of the site's conceptual model, means they are unlikely to be a significant pathway for vertical and lateral ground gas migration.

6.4 Barometric pumping and gas flow driving mechanisms

The pattern of gas concentrations observed during the continuous monitoring did not indicate any correlation with atmospheric pressure. Gas concentrations remained consistent irrespective of changes in atmospheric pressure. The continuous monitoring identified some variability in the flow rates, with both negative and positive flow rates recorded in all wells. The flow rates recorded are considered relatively modest, and given the lack of consistently positive flow rates, and the presence of negative flow in the same order of magnitude, it is likely this is a result of the piston-effect, caused by rising and falling water levels within the monitoring well standpipes.

The tentative relationship between atmospheric pressure and flow rates in monitoring well ENBH04 (see Figure 11), highlighted greater flow rates (both positive and negative), during periods of falling and relatively low atmospheric pressure. The lack of clear correlation indicates that atmospheric pressure may not be the direct cause of these flow rates. However, changing groundwater levels may be a driving factor in the flow rates, as a result of rainfall during spells of falling and low atmospheric pressure. Combining continuous groundwater level measurements with continuous ground gas monitoring in future monitoring works, may help verify this behaviour.

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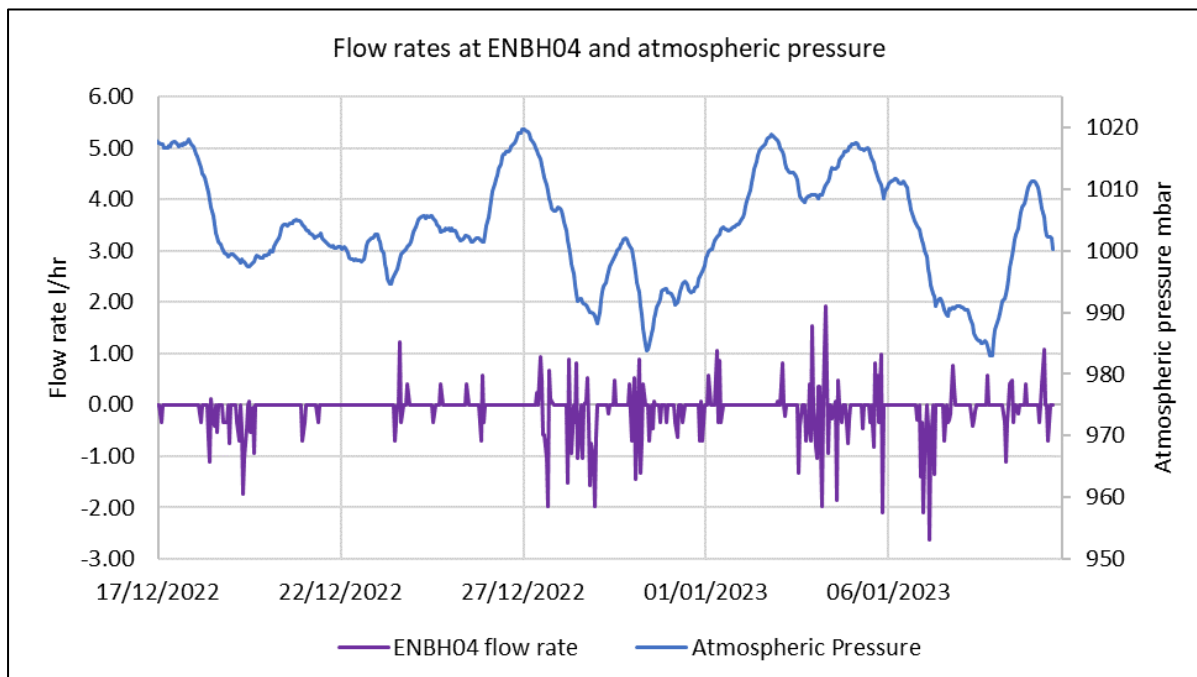


Figure 11: Flow rates at ENBH04 plotted alongside atmospheric pressure.

6.5 Seasonal effects and long-term changes

Additional consideration will need to be given to any seasonality in the ground gas regime, particular between warmer and colder months, where different/changing groundwater levels and frozen ground may have an impact of vertical and lateral migration of ground gases to receptors.

Any other long-term changes to the site condition and situation, such as the current hydrocarbon liquid treatment and extraction works in the central area of the site, which will inevitably cease at some point in the future, will need to be considered in the context of its impact on the ground gas regime. The water table in the central area appears substantially lowered relative to the surrounding materials. The ground gas regime is likely to be significantly altered if pumping ceases, by reducing the vadose zone as the groundwater level recharges. This is likely to decrease aerobic microbial activity, increase anaerobic microbial activity, and limit the ability for ground gases to migrate freely, by reducing the unsaturated zone.

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6.6 TVOCs

During the site walkover undertaken by GGS in December 2022, hydrocarbon odours were limited to areas adjacent to open wells (particularly where hydrocarbon liquid extraction was occurring), and surface waters impacted by hydrocarbons, with no notable hydrocarbon odours in the general ambient air. Readings taken using the handheld PID TVOC analyser also indicated that readings above 1ppmv were only detectable immediately adjacent to hydrocarbon liquids (<5cm). The dark visual appearance and viscous texture of the hydrocarbon liquid encountered in some of the monitoring wells assessed by GGS, indicate that this comprised long-chain hydrocarbons, which are known to be less volatile and have higher boiling points (i.e. do not evaporate as easily).

The results of the surface emissions surveys undertaken by GGS in December 2022, suggest that it is very unlikely that surface emissions of VOC vapours would present an acute human health risk, in ambient air at the site.

Based on a preliminary data gathering exercise, GGS consider that surface VOC vapour emissions are unlikely to present an obstacle to permit surrender.

6.7 Perimeter and offsite migration

There is historic evidence of elevated gas concentrations at monitoring wells MSMW91, MSMW155, CARW08 and CARW09, which are located at the perimeter of the site, or off site. Strategically located and carefully designed monitoring well infrastructure will be required to suitably assess the potential / occurrence of off-site migration. They will need to consider the presence of naturally occurring ground gases from Peat, ground gases from off-site Made Ground, and contamination in close proximity to the site.

6.8 Impact on fauna and flora

Landfill gases are also known to cause vegetation stress. This is predominantly caused by methane and / or carbon dioxide displacing oxygen, or due to the toxic reactions carbon dioxide can have on root systems. Vegetation stress usually results in the discolouration or absence of vegetation. During the site visits undertaken by GGS, there was no obvious vegetation stress observed on, or around the site, due to landfill gases; however, due to the time of year (mid-winter) this was difficult to determine, because the vegetation was in a dormant phase.

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There were clear signs of hydrocarbon contamination in surface water features both on site and off site to the north. Figures 12, 13 and 14 illustrates some of the hydrocarbon contamination observed by GGS. It should be noted that there was a significant presence of bacterial sheens in some of the standing water around the site, which can be mistaken for oil-like substances.



Figure 12: Hydrocarbon contamination visible in surface water ditch on site with visible staining on banks (December 2022).

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Figure 13: Hydrocarbon contamination visible in surface water ditch on northern perimeter of the site (December 2022).



Figure 14: Bacterial sheen visible in surface water on the site (December 2022).

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7 Surrender criteria assessment model

A surrender criteria assessment model, which supports the identification and assessment of current landfill and other ground-gas behaviours, aids the understanding of current landfill gas behaviour, and future obstacles to successful surrender data collection and application.

Based on the available site information reviewed, a tabulated surrender criteria assessment site model has been developed and is presented in Table 7.1 below. A surrender assessment conceptual site model schematic is presented in Appendix C.

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Table 7.1 Initial surrender criteria assessment

Source	Principal gases	Pathways	Receptors	Completion criteria	Completion criteria assessment	Discussion
Western area Made Ground deposits	Methane Carbon dioxide	• Surface emissions • Inhalation • Vertical / lateral migration • Preferential migration through service ducts / trenches / pilings / deep drainage	• Fauna • Flora • Atmosphere • Protected habitats • Nearby commercial properties and their occupants. • Future residential properties and their occupants	Scenario 2 possible • CH ₄ % - <5% v/v • CO ₂ % - <10% v/v • BH Flow (Max) - <70l/hr • Qhgs/GSV - <0.7/0.7	Significant landfill gas generation? No data at present, but future data anticipated to confirm 'No'. Evidence of off-site landfill gas migration causing an unacceptable impact at a receptor? Possible, although data availability limited, and may be influenced by offsite/natural sources.	No in-waste monitoring data currently available. Very limited perimeter gas monitoring data available. Inferred character of Made Ground deposits, which is not likely to have generated significant landfill gases. It is understood that this material was disturbed in 2014/15 by means of physical turning over and free-oil removal, which will have reduced its gassing potential further. Current landfill gas generation is considered likely to be negligible, to minimal. Peat deposits underlying the site, and exposed extensively to north of site, are confirmed to contain significantly elevated gas concentrations (CH₄ and/or CO₂); however, generally an absence of any significant gas-driven flow (some pressure-driven flow is evident). These off-site sources may mask or complicate the future interpretation of in-waste and/or perimeter gas monitoring results. Future in-waste monitoring infrastructure must penetrate the full Made Ground depth; however, all wells must be plugged at base to limit ingress of underlying peat deposits. Future perimeter monitoring infrastructure must penetrate at least to lowest credible natural groundwater level. Future periodic monitoring must pay attention to methodology to ensure only genuinely steady state values are recorded, and specifically for borehole flow measurements, which will disproportionately affect eventual surrender assessment.
Central area hydrocarbon-impacted deposits	Methane Carbon dioxide VOCs	• Surface emissions • Inhalation • Vertical / lateral migration • Preferential migration through service ducts / trenches / pilings / deep drainage	• Fauna • Flora • Atmosphere • Protected habitats • Nearby commercial properties and their occupants. • Future residential properties and their occupants	Scenario 3 possible • CH ₄ % - >5% v/v • CO ₂ % - >10% v/v • BH Flow (Max) - <70l/hr • Qhgs/GSV - <0.7/0.7	Significant landfill gas generation? Gas present, but considered not likely to represent significant ongoing gas generation. Evidence of off-site landfill gas migration causing an unacceptable impact at a receptor? No, but significant background gas present.	Existing in-waste monitoring data is available, and suggests significantly elevated methane concentrations are present, albeit only in select locations. Available evidence suggests elevated readings are due to hydrocarbon contamination and/or underlying peat gases, rather than significant ongoing landfill gas generation. Elevated gas concentrations are unlikely to be eliminated over surrender assessment timescale; therefore, the accurate monitoring and recording of steady state borehole flow is critical to the successful surrender case. Future in-waste monitoring infrastructure must penetrate the full Made Ground depth; however, all wells must be plugged at base to limit ingress of underlying peat deposits. Future perimeter monitoring infrastructure must penetrate at least to lowest credible natural groundwater level. Existing monitoring/pumping infrastructure unlikely to be fit for purpose, due to significant hydrocarbon soiling and general condition. Future periodic monitoring must pay attention to methodology to ensure only genuinely steady state values are recorded, and specifically for borehole flow measurements, which will disproportionately affect eventual surrender assessment.

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Source	Principal gases	Pathways	Receptors	Completion criteria	Completion criteria assessment	Discussion
Eastern area Made Ground deposits plus special wastes	Methane Carbon dioxide	• Surface emissions • Inhalation • Vertical / lateral migration • Preferential migration through service ducts / trenches / pilings / deep drainage	• Fauna • Flora • Atmosphere • Protected habitats • Nearby commercial properties and their occupants. • Future residential properties and their occupants	Scenario 3 possible • CH₄ % - >5% v/v • CO₂ % - >10% v/v • BH Flow (Max) - <70l/hr • Qhgs/GSV - <0.7/0.7	Significant landfill gas generation? Limited data at present, but future data anticipated to confirm 'No'. Evidence of off-site landfill gas migration causing an unacceptable impact at a receptor? Possible, although data availability limited, and may be influenced by offsite/natural sources.	Limited existing in-waste monitoring data is available, and suggests significantly elevated methane concentrations are present, albeit only in select locations. Available evidence suggests elevated readings are due to hydrocarbon contamination and/or underlying peat gases, rather than significant ongoing landfill gas generation. Elevated gas concentrations are unlikely to be eliminated over surrender assessment timescale; therefore, the accurate monitoring and recording of steady state borehole flow is critical to successful surrender case. Limited perimeter monitoring data is available. Some elevated gas concentrations are recorded occasionally; however, available data does not appear to indicate systematic regular off-site migration. There is a significant possibility that off-site and natural gas sources may account for those elevated results, historically observed. Disturbance of asbestos containing materials and pyrophoric wastes should be avoided. Such areas are unlikely to add crucial understanding to gas monitoring dataset, but could cause additional complex problems (e.g. underground fires, additional H&S risks etc.) Future in-waste monitoring infrastructure must penetrate the full Made Ground depth; however, all wells must be plugged at base to limit ingress of underlying peat deposits. Future perimeter monitoring infrastructure must penetrate at least to lowest credible natural groundwater level. Existing monitoring/pumping infrastructure unlikely to be fit for purpose, due to significant hydrocarbon soiling and general condition. Future periodic monitoring must pay attention to methodology to ensure only genuinely steady state values are recorded, and specifically for borehole flow measurements which will disproportionately affect eventual surrender assessment.

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8 Assessment of permit surrender prospects (landfill gas only)

The wastes deposited at the site were placed at least 25 years for the most recent deposits and very much longer periods for the bulk of the deposited volume. As such, any genuine landfill gas generation will have past its peak, and a declining source term will remain.

While the site contains a large variety of waste types, none of these are substantially biodegradable in character, or would be expected to produce significant rates of landfill gas in the classical sense. The significant volumes of liquid hydrocarbons deposited within the site's central area will give rise to locally significant concentrations of both methane and VOCs; however, these waste types would not be expected to give rise to significant future gas generation, nor manifest as significant positive borehole flow rates.

The site is set within and above an area of significant Peat deposits associated with the Crymlyn Bog. Peat deposits generally give rise to significant methane concentrations, albeit generally coupled with negligible rates of 'new' gas generation, and therefore, negligible borehole flow rates. Additionally, the area to the south of the site is also comprised of significant Made Ground deposits and historic hydrocarbon contamination. As such, the site is set within a generally gas-rich background, and thus, the issues typically associated off-site gas migration, are likely to be significantly ameliorated due to the ambiguity of whether any ground gases detected at the site perimeter are site-derived, peat-derived, or due to alternative background sources.

While limited in spatial extent, the available monitoring data indicates that within the waste mass, it is unlikely that surrender criteria 1 or 2 could be reliably achieved, and sustained over a two-year period. However, surrender criteria 3 does provide a viable route to environmental permit surrender, provided the waste-derived gas generation and therefore, borehole flow rates, remain low (i.e below 70 l/hr), at all locations during each monitoring episode, over at least 24 consecutive months.

The available monitoring data from perimeter and off-site locations indicated that elevated gas concentrations are present on some occasions. Careful attention should be paid to any instances of elevated gas concentrations at the site perimeter from a new comprehensive monitoring network, particularly if such elevations appear to be sustained or derived from onsite sources. Additional investigation may be required in such instances.

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Due to the importance of borehole flow rates within scenario 3, the procurement and execution of any future ground gas monitoring must pay attention to methodology, to ensure that genuinely steady state results are recorded. This may require additional time to allow equilibrium gas conditions to be established at each monitoring well, during each monitoring episode, which will have associated costs implications. Each monitoring episode may take several consecutive days per month, to achieve both accurate and reliable data sets. A suitable monitoring methodology for this should be developed and agreed prior to beginning the monitoring programme to ensure consistency and accuracy throughout.

It is recommended that a staged programme of data collection and periodic review is undertaken, to establish that the data collection being undertaken, conforms with the current conceptual understanding of the site's various gas regimes, and presents no obvious obstacles to producing an acceptable surrender case, based on sound and compliant data, in due course.

In GGS' opinion, the earliest such a surrender case may be made (based on landfill gas issues alone), would be late 2025, unless an alternative timescale is negotiated and agreed with NRW.

Ongoing consideration and review of the potential interactions between various surrender 'disciplines' (i.e. controlled waters, slope stability, waste stability etc.) and their potential to impact on current landfill gas conditions should be maintained. Equally, ongoing consideration of any works or plans associated with the wider redevelopment of the broader area, should also be maintained.

Specialist advice should be sought if unforeseen, or problematic data arises at any point, during the 24-month data collection period.

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9 Monitoring network review

It is important to recognise that the monitoring requirements of preparing a permit surrender application are different, and in many respects, more exacting than those required either for compliance, or operational purposes during a landfill's operational period. This is due to surrender being the final opportunity for the regulator to exert control over activities at a site, and therefore, they require a greater degree of confidence prior to approving a surrender application. This is particularly important in the context of landfill gas, due to its inherent spatial and temporal variability. To inform a future monitoring network for permit surrender purposes, it is necessary to both consider the existing monitoring network (number, depth, spacing, condition etc.) alongside NRW's permit surrender requirements.

GGs have considered the existing landfill gas monitoring network present (undertaken over a prolonged period for ongoing permit compliance reasons), at the site as part of this review. It must be noted that the network of monitoring wells used for compliance purposes has changed over the years of the period our data review has covered. The reasons for these changes are not documented, but may have included evolving site operations, lost locations etc. GGS have assumed that these changes were approved at the time, and that the network currently being monitored is consistent with the regulator's requirements and are in line with the permit conditions. If this is not the case, any such monitoring non-compliances may have a material bearing on any future permit application. GGS advise that any ongoing non-compliances related to current monitoring requirements are satisfactorily discharged at the earliest possible opportunity,

The current monitoring network, which comprises the locations detailed in the table below, are concentrated within the site's central area (presumed due to liquid hydrocarbon extraction activities), along with several peripheral locations.

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Table 9.1 Current monitoring network

Monitoring well ID	Location	Screened depth	Classification
MSMW91	Western boundary, formerly permitted area	0.8 – 4.0 m bgl	Perimeter (off-site)
MSMW155S	Western boundary, formerly permitted area	Unconfirmed	Perimeter (off-site)
MSMW155D	Western boundary, formerly permitted area	Unconfirmed	Perimeter (off-site)
CARW008	South eastern boundary	0.5 – 2.0	Perimeter
CARW009	South eastern boundary	0.5 – 2.0	Perimeter
CBH51	Central area	Unconfirmed	In-waste
CBH52	Central area	Unconfirmed	In-waste
CBH20	Central area	Unconfirmed	In-waste
CBH57	Eastern area	Unconfirmed	In-waste
CBH32	Eastern area	1.0 – 12.0	In-waste
CBH23	Central area	2.0 – 12.0	In-waste
CBH49	Eastern area	Unconfirmed	In-waste

Several of these locations may be suitable for use within a surrender-focussed monitoring network, and there is inherent value in providing long-term continuity within datasets, where possible; however, it must be recognised that many of these locations are over 20-years old, and may have been designed and/or used for purposes other than gas monitoring. As such, GGS have developed what we consider to be a monitoring network compliant with the requirements of permit surrender, as stated in NRW guidance (see Table 9.2).

Note: The precise location of the required monitoring locations offers significant flexibility, provided the overall quantity, requirements and spacing needs are satisfied. Advice should be sought from GGS, on any areas of uncertainty prior to any monitoring well installation works.

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Table 9.2 Proposed monitoring network

Site area	No. of required locations	Requirements	Comments
Western area	4	Full waste depth	Legacy locations may be reusable, if fit for purpose.
W-Area, southern perimeter	3/4	Screened depth to at least min. annual GW level	MSMW091 may be reusable, if fit for purpose.
W-Area, northern perimeter	4/5	Screened depth to at least min. annual GW level/surrounding topography	
Central area	4	Full waste depth	Avoid re-using wells previously used for liquid extraction or if heavily soiled.
C-area, southern perimeter	2/3	Screened depth to at least min. annual GW level	ENBH1-5 not fit for re-use. ENBH6-11 may not be fit for re-use depending on their screened horizons.
C-area, northern perimeter	2	Screened depth to at least min. annual GW level/surrounding topography	ENBH1-5 not fit for re-use. ENBH6-11 may not be fit for re-use depending on their screened horizons.
Eastern area	6	Full waste depth	Dependant on access and topography
E-area, southern perimeter	2/3	Screened depth to at least min. annual GW level	CARW009 may be reusable, if fit for purpose.
E-area, northern perimeter	4/5	Screened depth to at least min. annual GW level/surrounding topography	CARW008/CARW009 may be reusable, if fit for purpose.
E-area, eastern perimeter	3/4	Screened depth to at least min. annual GW level	CARW002 - CARW008 may be reusable, if fit for purpose. Dependant on access and topography
Total	36 – 40*		

* Note: These quantities are based on NRW guidance requirements and industry standard practice. It may be possible to agree fewer, potentially substantially fewer locations.

An illustrative plan indicating the broad spatial outline of such a monitoring network is included within Appendix D.

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10 Proposed surrender monitoring strategy

Based on our review of the site's history, and existing monitoring records, GGS consider that the site's only viable route to surrender for landfill gas issues, is via landfill gas completion scenario 3, as set out in NRW's landfill surrender guidance.

Scenario 3 completion criteria for landfill gas assumes that methane is present at greater than 5% v/v and that carbon dioxide is present at greater than 10% v/v. These criteria fit are compatible with the site's existing recent monitoring results.

Furthermore, scenario 3 requires that calculated whole-site hazardous gas flow rate (Qhgs) is lower than 0.7 l/hr (a situation commensurate with CS2 according to BS8485:2015+A1:2019⁴), and that the maximum recorded borehole flow rate is lower than 70l/hr. Although not stated, GGS understand this to related to 'steady-state' flow rates (as in BS8485:2015+A1:2019), rather than peak results (which may be subject to exaggeration and distortion, due to well geometry and dynamics).

Finally, NRW's guidance requires that a dataset satisfying each of the above two criteria be gathered across the entire site (full waste depth and spatial extent), over a minimum of 24 datasets, across two consecutive years.

As noted, continuous monitoring may be used to supplement or, by agreement, to reduce the monitoring period. GGS recommend that the use of continuous monitoring can only be considered once the overall pattern of gas monitoring results is understood.

Taking account of the above requirements, and considering a balance between upfront costs and robust data requirements, the following monitoring strategy presented in Table 10.1 is proposed.

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Table 10.1 Proposed monitoring strategy

Period	Activities
Preliminary data collection phase	
Pre-commencement (Month 0)*	Detailed design of monitoring network (locations, target depths, screened horizons, headworks, monitoring equipment specification etc.) Englobe GI procurement Site mobilisation Position surveying, network plan drawings
Months 1 - 3	Initial periodic monitoring period
Preliminary data review	Assess initial data for critical issues (e.g. Sig. positive steady state flow, evidence of off-site migration etc.). Revise monitoring network & undertake targeted investigation, where necessary.
Months 3 – 6	Continue periodic monitoring period
Data review	Complete preliminary data assessment
Surrender application data collection phase	
Months 7 - 24	Routine periodic data collection with brief monthly review
Data progress review	Month 13, 19 & 25
Months 25 – 32	Surrender application preparation

* In practice, this period may take greater than one month to allow for procurement, rig availability, ground and weather conditions, etc. Month 0 should rather be considered a period prior to 'the clock starting' on the collection of 24 rounds over 2 consecutive years.

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11 Conclusions and recommendations

GGs have undertaken a detailed review of available evidence on landfill gas behaviour at the site, in conjunction with a limited programme of contemporary monitoring at the site.

GGs consider that it is highly unlikely that significant ongoing typical landfill gas generation is ongoing at the site. However, there are significantly elevated gas concentrations present within the site, due to historic hydrocarbon contamination, underlying peat deposits, off-site gas sources, and the general Made Ground character of the site, and the wider area.

Based on the above, GGs consider the site represents a credible candidate for environmental permit surrender over the next five years, with respect to landfill gas issues only. Furthermore, based on the variable gas conditions present within and surrounding the site, GGs considers that landfill gas completion scenario 3 presents the only viable route towards an acceptable surrender case, due to the elevated gas concentrations present.

The scenario 3 completion criteria allows elevated gas concentrations at any value (>5% methane, >10% carbon dioxide), but requires that overall site-wide borehole flow rates (as calculated by the Qhgs method), over two consecutive years (based on monthly data collection), is lower than 0.7 l/hr. In addition, no single borehole should record a flow rate >70 l/hr, on any occasion, within the two-year period.

GGs considers that the site requires a monitoring network compliant with NRW's guidance on landfill permit surrender (and general landfill monitoring guidance). A recommended network is detailed in Section 9 above. It must be noted that this network outlines a 'standard' monitoring network based on guidance requirements. NRW may agree to a more limited network, subject to negotiation.

Once an agreed network is in place, a monitoring programme involving monthly data collection, over a period of 24-months, in two consecutive years, is required to build a sufficient dataset to support a surrender case. A staged approach to collecting such a dataset is outlined in Section 10 above. Periodic progress reviews, targeted investigation, and programme revisions are likely to be required throughout this period, to ensure the data being collected continues to support the completion scenario 3 outlined above, remains viable.

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Due to the significance of borehole flow rates in a Scenario 3 completion criteria, it is imperative that genuinely steady state results are recorded by the monitoring contractor undertaking the landfill gas monitoring works. A suitable monitoring methodology for this should be developed and agreed prior to beginning the monitoring programme to ensure consistency and accuracy throughout.

Ongoing engagement with NRW on landfill gas issues is essential and is recommended ahead of, and throughout the data collection period, to avoid any feedback or unforeseen issues presenting obstacles at a later point.

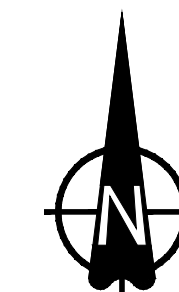
If unexpected monitoring results or significant positive borehole flow rates are recorded, additional specialist advice and investigation should be sought at the earliest opportunity.

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Appendix A

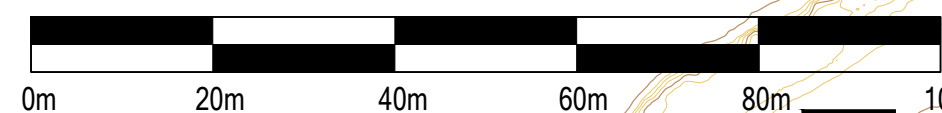
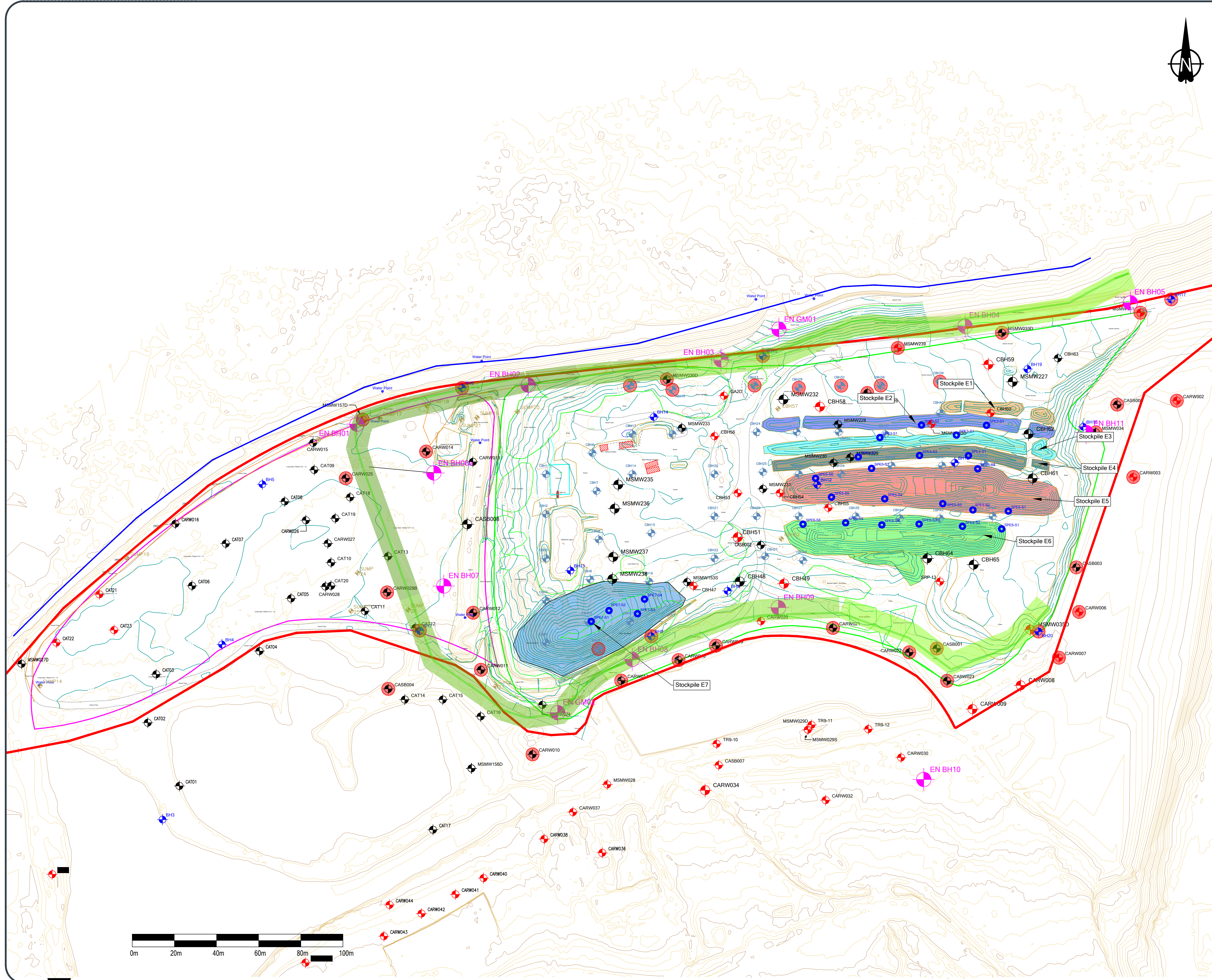
Monitoring well location plan

mm 10 20 30 40 50 60 70 80 90 100



Legend

- Borehole with Available Logs
- Proposed Bentonite Slurry Wall and 10m Wide Platform Location for Construction
- Location of Peripheral Trench
- Environment Agency Permit Boundary
- Water Level Record Location
- EN BH Englobe 2022 Borehole Location



4	Slurry Wall Alignment Amended	09/02/23
3	Added new Englobe BHs	17/11/22
2	Slurry Wall Alignment Amended	20/10/22
1	Englobe Boreholes Amended	13/10/22
0	First Draft	Sept 22

REV	COMMENT	DATE
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Unit 8, Commerce Park Brunel Road Theale Reading RG7 4AB 01189 167340	Columbus House Greenmeadow Springs Tongwynlais Cardiff CF15 7NE 02920 368636	enquiries@englobecorp.com www.englobecorp.com
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Client
St Modwen Homes

Project
Coed Darcy Tip Locations

Title
Site Overview

Drawn by JA/IW	Checked Date	Authorised Date
Original Scale NTS	Date 07.10.22	Rev 4
Drawing Number D1870/01	Paper A1	

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Appendix B

Continuous monitoring data

Time Series Data

Project Ref:	GGS3151
Project Name:	Coed Darcy Landfill, Llandarcy
Borehole ref:	ENBH04
Instrument Name and ID:	GasClam 000031/04/09, Flow Device 03020005
Start Date:	08/12/2022 11:43
End Date:	10/01/2023 11:43
Days of monitoring:	33
Monitoring Frequency (mins):	90 for Gas Clam, 60 for LL and BL
Total samples taken:	529



Summary Table

	CH ₄	CO ₂	O ₂	CO	H ₂ S		Atmospheric Pressure	Flow	Temperature
Minimum	0.0	0.0	13.7	0	0		983	-2.62	-6.9
Maximum	0.0	2.3	16.3	7	0		1020	1.93	10.7
Range	0.0	2.3	2.6	7	0		37	4.55	17.6

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
08/12/2022 11:43	0.0	0.0	15.3	5	0	08/12/2022 11:00	1010	0.00	2.5
08/12/2022 13:13	0.0	0.7	15.0	5	0	08/12/2022 12:00	1009	0.00	3.2
08/12/2022 14:43	0.0	0.9	14.8	5	0	08/12/2022 13:00	1009	0.00	3.6
08/12/2022 16:13	0.0	1.1	14.6	6	0	08/12/2022 14:00	1008	0.00	3.4
08/12/2022 17:43	0.0	1.3	14.5	6	0	08/12/2022 15:00	1008	-0.12	3.9
08/12/2022 19:13	0.0	1.5	14.3	7	0	08/12/2022 16:00	1008	0.00	3.5
08/12/2022 20:43	0.0	1.7	14.2	5	0	08/12/2022 17:00	1008	0.00	2.9
08/12/2022 22:13	0.0	1.7	14.1	5	0	08/12/2022 18:00	1008	0.00	2.6
08/12/2022 23:43	0.0	1.9	14.0	5	0	08/12/2022 19:00	1008	0.00	1.9
09/12/2022 01:13	0.0	1.9	13.9	5	0	08/12/2022 20:00	1008	0.00	1.0
09/12/2022 02:43	0.0	2.1	13.9	5	0	08/12/2022 21:00	1008	0.00	0.2
09/12/2022 04:13	0.0	2.1	13.8	5	0	08/12/2022 22:00	1009	0.00	-0.6
09/12/2022 05:43	0.0	2.1	13.8	5	0	08/12/2022 23:00	1008	0.00	-1.2
09/12/2022 07:13	0.0	2.1	13.7	4	0	09/12/2022 00:00	1008	0.00	-1.8
09/12/2022 08:43	0.0	2.3	13.7	5	0	09/12/2022 01:00	1008	0.00	-2.3
09/12/2022 10:13	0.0	2.3	13.7	5	0	09/12/2022 02:00	1008	0.00	-2.7
09/12/2022 11:43	0.0	2.3	13.7	5	0	09/12/2022 03:00	1008	0.00	-2.9
09/12/2022 13:13	0.0	2.3	13.8	4	0	09/12/2022 04:00	1008	0.00	-3.3
09/12/2022 14:43	0.0	2.1	13.8	4	0	09/12/2022 05:00	1008	0.00	-3.6
09/12/2022 16:13	0.0	2.1	13.8	5	0	09/12/2022 06:00	1008	0.00	-3.8
09/12/2022 17:43	0.0	2.3	13.7	5	0	09/12/2022 07:00	1008	0.00	-3.9
09/12/2022 19:13	0.0	2.3	13.7	4	0	09/12/2022 08:00	1008	0.00	-4.0
09/12/2022 20:43	0.0	2.3	13.8	4	0	09/12/2022 09:00	1008	0.00	-3.9
09/12/2022 22:13	0.0	2.3	13.8	5	0	09/12/2022 10:00	1008	0.00	-3.4
09/12/2022 23:43	0.0	2.3	13.8	5	0	09/12/2022 11:00	1008	0.00	-2.9
10/12/2022 01:13	0.0	2.3	13.7	4	0	09/12/2022 12:00	1008	0.00	-2.2
10/12/2022 02:43	0.0	2.3	13.7	5	0	09/12/2022 13:00	1007	0.00	-1.5
10/12/2022 04:13	0.0	2.3	13.7	5	0	09/12/2022 14:00	1007	0.00	-1.1
10/12/2022 05:43	0.0	2.3	13.7	4	0	09/12/2022 15:00	1007	0.00	-0.7
10/12/2022 07:13	0.0	2.3	13.7	4	0	09/12/2022 16:00	1008	0.00	-0.9
10/12/2022 08:43	0.0	2.3	13.7	4	0	09/12/2022 17:00	1008	0.00	-1.7
10/12/2022 10:13	0.0	2.3	13.7	4	0	09/12/2022 18:00	1008	0.00	-2.3
10/12/2022 11:43	0.0	2.3	13.7	4	0	09/12/2022 19:00	1008	0.00	-2.4
10/12/2022 13:13	0.0	2.3	13.8	4	0	09/12/2022 20:00	1008	0.00	-2.8
10/12/2022 14:43	0.0	2.3	13.8	4	0	09/12/2022 21:00	1008	0.00	-3.2
10/12/2022 16:13	0.0	2.3	13.8	4	0	09/12/2022 22:00	1009	0.00	-3.3
10/12/2022 17:43	0.0	2.3	13.8	4	0	09/12/2022 23:00	1009	0.00	-3.3
10/12/2022 19:13	0.0	2.3	13.8	4	0	10/12/2022 00:00	1008	0.00	-3.5
10/12/2022 20:43	0.0	2.3	13.8	4	0	10/12/2022 01:00	1008	0.00	-3.8
10/12/2022 22:13	0.0	2.3	13.8	4	0	10/12/2022 02:00	1008	0.00	-3.9
10/12/2022 23:43	0.0	2.3	13.8	4	0	10/12/2022 03:00	1008	0.00	-4.2
11/12/2022 01:13	0.0	2.3	13.8	4	0	10/12/2022 04:00	1008	0.00	-4.2
11/12/2022 02:43	0.0	2.3	13.8	4	0	10/12/2022 05:00	1008	0.00	-4.4
11/12/2022 04:13	0.0	2.3	13.8	4	0	10/12/2022 06:00	1008	0.00	-4.6
11/12/2022 05:43	0.0	2.3	13.8	4	0	10/12/2022 07:00	1008	0.00	-4.7
11/12/2022 07:13	0.0	2.3	13.8	4	0	10/12/2022 08:00	1008	0.00	-4.9
11/12/2022 08:43	0.0	2.3	13.8	4	0	10/12/2022 09:00	1008	0.00	-4.8
11/12/2022 10:13	0.0	2.3	13.8	4	0	10/12/2022 10:00	1008	0.00	-4.5
11/12/2022 11:43	0.0	2.3	13.9	3	0	10/12/2022 11:00	1008	0.00	-3.8
11/12/2022 13:13	0.0	2.3	13.9	4	0	10/12/2022 12:00	1008	0.00	-2.3
11/12/2022 14:43	0.0	2.3	13.9	4	0	10/12/2022 13:00	1007	0.00	-1.2
11/12/2022 16:13	0.0	2.3	13.9	3	0	10/12/2022 14:00	1007	0.00	-0.1
11/12/2022 17:43	0.0	2.3	13.9	4	0	10/12/2022 15:00	1007	0.00	-0.2
11/12/2022 19:13	0.0	2.3	13.9	3	0	10/12/2022 16:00	1007	0.00	-0.3
11/12/2022 20:43	0.0	2.3	13.9	3	0	10/12/2022 17:00	1007	0.00	-0.5
11/12/2022 22:13	0.0	2.3	13.9	4	0	10/12/2022 18:00	1007	0.00	-1.2
11/12/2022 23:43	0.0	2.3	13.9	4	0	10/12/2022 19:00	1007	0.00	-1.5
12/12/2022 01:13	0.0	2.3	13.9	3	0	10/12/2022 20:00	1007	0.00	-1.7
12/12/2022 02:43	0.0	2.3	13.9	3	0	10/12/2022 21:00	1007	0.00	-2.2
12/12/2022 04:13	0.0	2.3	13.9	3	0	10/12/2022 22:00	1007	0.00	-2.3
12/12/2022 05:43	0.0	2.3	13.9	3	0	10/12/2022 23:00	1006	0.00	-2.0

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
12/12/2022 07:13	0.0	2.3	13.9	4	0	11/12/2022 00:00	1007	0.00	-1.8
12/12/2022 08:43	0.0	2.3	13.9	3	0	11/12/2022 01:00	1006	0.00	-1.7
12/12/2022 10:13	0.0	2.3	13.9	3	0	11/12/2022 02:00	1006	0.00	-2.0
12/12/2022 11:43	0.0	2.1	13.9	3	0	11/12/2022 03:00	1006	0.00	-1.6
12/12/2022 13:13	0.0	2.3	14.0	4	0	11/12/2022 04:00	1005	0.00	-1.9
12/12/2022 14:43	0.0	2.3	14.0	3	0	11/12/2022 05:00	1005	0.00	-1.7
12/12/2022 16:13	0.0	2.1	14.0	3	0	11/12/2022 06:00	1005	0.00	-1.4
12/12/2022 17:43	0.0	2.3	14.0	3	0	11/12/2022 07:00	1005	0.00	-1.3
12/12/2022 19:13	0.0	2.3	14.0	3	0	11/12/2022 08:00	1005	0.00	-1.3
12/12/2022 20:43	0.0	2.3	14.0	4	0	11/12/2022 09:00	1005	0.00	-1.6
12/12/2022 22:13	0.0	2.3	14.0	3	0	11/12/2022 10:00	1005	0.00	-1.7
12/12/2022 23:43	0.0	2.3	14.0	3	0	11/12/2022 11:00	1005	0.00	-1.3
13/12/2022 01:13	0.0	2.1	14.0	3	0	11/12/2022 12:00	1005	0.00	-0.8
13/12/2022 02:43	0.0	2.1	14.0	4	0	11/12/2022 13:00	1005	0.00	-0.5
13/12/2022 04:13	0.0	2.3	14.0	4	0	11/12/2022 14:00	1005	0.00	-0.3
13/12/2022 05:43	0.0	2.3	14.0	4	0	11/12/2022 15:00	1005	0.00	0.0
13/12/2022 07:13	0.0	2.1	14.0	3	0	11/12/2022 16:00	1005	0.00	0.3
13/12/2022 08:43	0.0	2.3	14.0	3	0	11/12/2022 17:00	1006	0.00	0.3
13/12/2022 10:13	0.0	2.3	14.0	3	0	11/12/2022 18:00	1006	0.00	-0.5
13/12/2022 11:43	0.0	2.1	14.1	3	0	11/12/2022 19:00	1006	0.00	-1.0
13/12/2022 13:13	0.0	2.1	14.1	3	0	11/12/2022 20:00	1006	0.00	-1.0
13/12/2022 14:43	0.0	2.1	14.1	3	0	11/12/2022 21:00	1007	0.00	-1.4
13/12/2022 16:13	0.0	2.1	14.1	3	0	11/12/2022 22:00	1007	0.00	-2.2
13/12/2022 17:43	0.0	2.1	14.1	3	0	11/12/2022 23:00	1007	0.00	-2.8
13/12/2022 19:13	0.0	2.1	14.1	3	0	12/12/2022 00:00	1007	0.00	-3.1
13/12/2022 20:43	0.0	2.1	14.1	4	0	12/12/2022 01:00	1007	0.00	-3.4
13/12/2022 22:13	0.0	2.1	14.1	3	0	12/12/2022 02:00	1008	0.00	-3.7
13/12/2022 23:43	0.0	2.1	14.1	3	0	12/12/2022 03:00	1008	0.00	-3.8
14/12/2022 01:13	0.0	2.1	14.1	3	0	12/12/2022 04:00	1008	0.00	-4.2
14/12/2022 02:43	0.0	2.1	14.1	3	0	12/12/2022 05:00	1007	0.00	-4.4
14/12/2022 04:13	0.0	2.1	14.1	4	0	12/12/2022 06:00	1007	0.00	-4.6
14/12/2022 05:43	0.0	2.1	14.1	3	0	12/12/2022 07:00	1007	0.00	-4.9
14/12/2022 07:13	0.0	2.1	14.1	4	0	12/12/2022 08:00	1007	0.00	-5.1
14/12/2022 08:43	0.0	2.1	14.1	4	0	12/12/2022 09:00	1007	0.00	-5.2
14/12/2022 10:13	0.0	2.1	14.1	4	0	12/12/2022 10:00	1007	0.00	-4.8
14/12/2022 11:43	0.0	2.1	14.1	4	0	12/12/2022 11:00	1007	0.00	-4.0
14/12/2022 13:13	0.0	2.1	14.1	3	0	12/12/2022 12:00	1006	0.00	-3.4
14/12/2022 14:43	0.0	2.1	14.2	3	0	12/12/2022 13:00	1006	0.00	-3.0
14/12/2022 16:13	0.0	2.1	14.2	4	0	12/12/2022 14:00	1006	0.00	-2.6
14/12/2022 17:43	0.0	2.1	14.2	3	0	12/12/2022 15:00	1006	0.00	-2.8
14/12/2022 19:13	0.0	2.1	14.2	3	0	12/12/2022 16:00	1006	0.00	-2.5
14/12/2022 20:43	0.0	2.1	14.2	3	0	12/12/2022 17:00	1006	0.00	-2.2
14/12/2022 22:13	0.0	2.1	14.2	4	0	12/12/2022 18:00	1006	0.00	-1.9
14/12/2022 23:43	0.0	2.1	14.2	3	0	12/12/2022 19:00	1006	0.00	-1.8
15/12/2022 01:13	0.0	2.1	14.2	3	0	12/12/2022 20:00	1006	0.00	-2.3
15/12/2022 02:43	0.0	2.1	14.2	3	0	12/12/2022 21:00	1006	0.00	-2.7
15/12/2022 04:13	0.0	2.1	14.2	3	0	12/12/2022 22:00	1006	0.00	-3.3
15/12/2022 05:43	0.0	2.1	14.2	3	0	12/12/2022 23:00	1006	0.00	-3.4
15/12/2022 07:13	0.0	2.1	14.2	4	0	13/12/2022 00:00	1006	0.00	-3.1
15/12/2022 08:43	0.0	2.1	14.2	3	0	13/12/2022 01:00	1006	0.00	-2.6
15/12/2022 10:13	0.0	2.1	14.2	4	0	13/12/2022 02:00	1006	0.00	-2.4
15/12/2022 11:43	0.0	2.1	14.2	4	0	13/12/2022 03:00	1006	0.00	-2.2
15/12/2022 13:13	0.0	2.1	14.2	4	0	13/12/2022 04:00	1006	0.00	-2.3
15/12/2022 14:43	0.0	2.1	14.2	4	0	13/12/2022 05:00	1005	0.00	-2.4
15/12/2022 16:13	0.0	2.1	14.3	3	0	13/12/2022 06:00	1005	0.00	-2.3
15/12/2022 17:43	0.0	2.1	14.3	3	0	13/12/2022 07:00	1005	0.00	-2.4
15/12/2022 19:13	0.0	2.1	14.3	4	0	13/12/2022 08:00	1005	0.00	-1.9
15/12/2022 20:43	0.0	2.1	14.3	3	0	13/12/2022 09:00	1005	0.00	-1.5
15/12/2022 22:13	0.0	2.1	14.3	4	0	13/12/2022 10:00	1005	0.00	-1.1
15/12/2022 23:43	0.0	2.1	14.3	3	0	13/12/2022 11:00	1005	0.00	-0.5
16/12/2022 01:13	0.0	2.1	14.3	4	0	13/12/2022 12:00	1004	0.00	0.1
16/12/2022 02:43	0.0	2.1	14.3	3	0	13/12/2022 13:00	1004	0.00	0.9
16/12/2022 04:13	0.0	2.1	14.3	4	0	13/12/2022 14:00	1003	0.00	1.2
16/12/2022 05:43	0.0	2.1	14.3	3	0	13/12/2022 15:00	1003	0.00	0.9
16/12/2022 07:13	0.0	2.1	14.3	4	0	13/12/2022 16:00	1003	0.00	0.7
16/12/2022 08:43	0.0	2.1	14.3	4	0	13/12/2022 17:00	1002	0.00	0.5
16/12/2022 10:13	0.0	2.1	14.3	4	0	13/12/2022 18:00	1002	0.00	0.4
16/12/2022 11:43	0.0	2.1	14.3	3	0	13/12/2022 19:00	1002	0.00	0.2
16/12/2022 13:13	0.0	2.1	14.3	4	0	13/12/2022 20:00	1002	0.00	0.1
16/12/2022 14:43	0.0	2.1	14.3	4	0	13/12/2022 21:00	1002	0.00	-0.1
16/12/2022 16:13	0.0	2.1	14.3	4	0	13/12/2022 22:00	1002	0.00	-0.2
16/12/2022 17:43	0.0	2.1	14.4	3	0	13/12/2022 23:00	1002	0.00	-0.4
16/12/2022 19:13	0.0	2.1	14.4	4	0	14/12/2022 00:00	1002	0.00	-0.6
16/12/2022 20:43	0.0	2.1	14.4	4	0	14/12/2022 01:00	1002	0.00	-0.8
16/12/2022 22:13	0.0	2.1	14.4	3	0	14/12/2022 02:00	1002	0.00	-1.1
16/12/2022 23:43	0.0	2.1	14.4	4	0	14/12/2022 03:00	1003	0.00	-1.2
17/12/2022 01:13	0.0	2.1	14.4	4	0	14/12/2022 04:00	1003	0.00	-1.6
17/12/2022 02:43	0.0	2.1	14.4	3	0	14/12/2022 05:00	1003	0.00	-1.9
17/12/2022 04:13	0.0	2.1	14.4	3	0	14/12/2022 06:00	1003	0.00	-2.2
17/12/2022 05:43	0.0	2.1	14.4	3	0	14/12/2022 07:00	1003	0.00	-2.6
17/12/2022 07:13	0.0	2.1	14.4	4	0	14/12/2022 08:00	1004	0.00	-2.8
17/12/2022 08:43	0.0	2.1	14.4	4	0	14/12/2022 09:00	1005	0.00	-3.1
17/12/2022 10:13	0.0	2.1	14.4	3	0	14/12/2022 10:00	1005	0.00	-3.1
17/12/2022 11:43	0.0	2.1	14.4	4	0	14/12/2022 11:00	1006	0.00	-2.2
17/12/2022 13:13	0.0	2.1	14.4	3	0	14/12/2022 12:00	1005	0.00	-1.5

GC Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S	LL and BL Date and Time	Atmospheric Pressure	Flow	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v		mbar	Ltr/hr	°C
17/12/2022 14:43	0.0	2.1	14.4	3	0	14/12/2022 13:00	1006	0.00	-0.9
17/12/2022 16:13	0.0	2.1	14.4	3	0	14/12/2022 14:00	1006	0.00	-0.5
17/12/2022 17:43	0.0	2.1	14.4	4	0	14/12/2022 15:00	1006	0.00	-0.8
17/12/2022 19:13	0.0	2.1	14.5	4	0	14/12/2022 16:00	1007	0.00	-1.2
17/12/2022 20:43	0.0	2.1	14.5	4	0	14/12/2022 17:00	1007	0.00	-2.0
17/12/2022 22:13	0.0	2.1	14.5	4	0	14/12/2022 18:00	1008	0.00	-2.6
17/12/2022 23:43	0.0	2.1	14.5	4	0	14/12/2022 19:00	1008	0.00	-3.1
18/12/2022 01:13	0.0	2.1	14.5	3	0	14/12/2022 20:00	1008	0.00	-3.7
18/12/2022 02:43	0.0	2.1	14.5	3	0	14/12/2022 21:00	1008	0.00	-3.5
18/12/2022 04:13	0.0	2.1	14.4	4	0	14/12/2022 22:00	1009	0.00	-3.7
18/12/2022 05:43	0.0	2.1	14.4	4	0	14/12/2022 23:00	1009	0.00	-4.4
18/12/2022 07:13	0.0	1.9	14.5	4	0	15/12/2022 00:00	1009	0.00	-4.9
18/12/2022 08:43	0.0	1.9	14.4	4	0	15/12/2022 01:00	1010	0.00	-5.5
18/12/2022 10:13	0.0	2.1	14.5	3	0	15/12/2022 02:00	1010	0.00	-5.8
18/12/2022 11:43	0.0	1.9	14.4	4	0	15/12/2022 03:00	1010	0.00	-6.1
18/12/2022 13:13	0.0	1.9	14.5	3	0	15/12/2022 04:00	1010	0.00	-6.2
18/12/2022 14:43	0.0	2.1	14.5	4	0	15/12/2022 05:00	1010	0.00	-6.3
18/12/2022 16:13	0.0	2.1	14.5	4	0	15/12/2022 06:00	1010	0.00	-6.4
18/12/2022 17:43	0.0	1.9	14.5	4	0	15/12/2022 07:00	1010	0.00	-6.5
18/12/2022 19:13	0.0	1.9	14.5	4	0	15/12/2022 08:00	1010	0.00	-6.8
18/12/2022 20:43	0.0	2.1	14.5	3	0	15/12/2022 09:00	1011	0.00	-6.9
18/12/2022 22:13	0.0	1.9	14.6	3	0	15/12/2022 10:00	1011	0.00	-6.6
18/12/2022 23:43	0.0	1.9	14.6	3	0	15/12/2022 11:00	1012	0.00	-5.6
19/12/2022 01:13	0.0	1.9	14.6	2	0	15/12/2022 12:00	1011	0.00	-4.4
19/12/2022 02:43	0.0	1.9	14.7	2	0	15/12/2022 13:00	1011	0.00	-3.2
19/12/2022 04:13	0.0	1.9	14.7	3	0	15/12/2022 14:00	1011	0.00	-2.3
19/12/2022 05:43	0.0	1.9	14.7	3	0	15/12/2022 15:00	1011	0.00	-1.4
19/12/2022 07:13	0.0	1.9	14.7	3	0	15/12/2022 16:00	1011	0.00	-1.1
19/12/2022 08:43	0.0	1.9	14.7	3	0	15/12/2022 17:00	1012	0.00	-2.0
19/12/2022 10:13	0.0	1.9	14.7	3	0	15/12/2022 18:00	1012	0.00	-2.7
19/12/2022 11:43	0.0	1.9	14.8	3	0	15/12/2022 19:00	1013	0.00	-3.5
19/12/2022 13:13	0.0	1.9	14.8	3	0	15/12/2022 20:00	1013	0.00	-3.9
19/12/2022 14:43	0.0	1.9	14.8	3	0	15/12/2022 21:00	1014	0.00	-4.1
19/12/2022 16:13	0.0	1.9	14.8	1	0	15/12/2022 22:00	1014	0.00	-4.6
19/12/2022 17:43	0.0	1.9	14.8	3	0	15/12/2022 23:00	1015	0.00	-5.1
19/12/2022 19:13	0.0	1.9	14.9	2	0	16/12/2022 00:00	1015	0.00	-5.3
19/12/2022 20:43	0.0	1.9	14.9	2	0	16/12/2022 01:00	1015	0.00	-5.4
19/12/2022 22:13	0.0	1.9	14.9	2	0	16/12/2022 02:00	1015	0.00	-5.5
19/12/2022 23:43	0.0	1.9	14.9	2	0	16/12/2022 03:00	1016	0.00	-5.5
20/12/2022 01:13	0.0	1.9	14.9	2	0	16/12/2022 04:00	1016	0.00	-5.7
20/12/2022 02:43	0.0	1.9	14.9	2	0	16/12/2022 05:00	1016	0.00	-5.9
20/12/2022 04:13	0.0	1.9	14.9	2	0	16/12/2022 06:00	1016	0.00	-6.1
20/12/2022 05:43	0.0	1.9	14.9	2	0	16/12/2022 07:00	1016	0.00	-6.1
20/12/2022 07:13	0.0	1.9	14.9	2	0	16/12/2022 08:00	1017	0.00	-6.4
20/12/2022 08:43	0.0	1.9	14.9	2	0	16/12/2022 09:00	1017	0.00	-6.4
20/12/2022 10:13	0.0	1.9	14.9	3	0	16/12/2022 10:00	1018	0.00	-5.7
20/12/2022 11:43	0.0	1.9	14.9	2	0	16/12/2022 11:00	1018	0.00	-5.0
20/12/2022 13:13	0.0	1.9	14.9	2	0	16/12/2022 12:00	1017	0.00	-3.9
20/12/2022 14:43	0.0	1.9	14.9	2	0	16/12/2022 13:00	1017	0.00	-3.0
20/12/2022 16:13	0.0	1.9	14.9	2	0	16/12/2022 14:00	1017	0.00	-2.2
20/12/2022 17:43	0.0	1.9	14.9	1	0	16/12/2022 15:00	1017	0.00	-1.6
20/12/2022 19:13	0.0	1.9	14.9	2	0	16/12/2022 16:00	1017	0.00	-1.7
20/12/2022 20:43	0.0	1.9	14.9	1	0	16/12/2022 17:00	1017	0.00	-2.1
20/12/2022 22:13	0.0	1.9	14.9	2	0	16/12/2022 18:00	1017	0.00	-1.9
20/12/2022 23:43	0.0	1.9	14.9	1	0	16/12/2022 19:00	1017	0.00	-1.5
21/12/2022 01:13	0.0	1.9	14.9	3	0	16/12/2022 20:00	1017	0.00	-1.4
21/12/2022 02:43	0.0	1.9	14.9	1	0	16/12/2022 21:00	1018	0.00	-1.1
21/12/2022 04:13	0.0	1.9	14.9	2	0	16/12/2022 22:00	1018	0.00	-0.9
21/12/2022 05:43	0.0	1.9	14.9	2	0	16/12/2022 23:00	1018	0.00	-0.7
21/12/2022 07:13	0.0	1.9	14.9	1	0	17/12/2022 00:00	1018	0.00	-0.3
21/12/2022 08:43	0.0	1.9	14.9	2	0	17/12/2022 01:00	1017	0.00	0.2
21/12/2022 10:13	0.0	1.9	14.9	1	0	17/12/2022 02:00	1017	-0.35	0.4
21/12/2022 11:43	0.0	1.9	14.9	1	0	17/12/2022 03:00	1017	0.00	0.3
21/12/2022 13:13	0.0	1.9	14.9	2	0	17/12/2022 04:00	1017	0.00	0.7
21/12/2022 14:43	0.0	1.9	15.0	1	0	17/12/2022 05:00	1017	0.00	1.1
21/12/2022 16:13	0.0	1.9	15.0	2	0	17/12/2022 06:00	1017	0.00	1.3
21/12/2022 17:43	0.0	1.9	15.0	2	0	17/12/2022 07:00	1017	0.00	1.3
21/12/2022 19:13	0.0	1.9	15.0	1	0	17/12/2022 08:00	1017	0.00	1.4
21/12/2022 20:43	0.0	1.9	15.0	1	0	17/12/2022 09:00	1017	0.00	1.6
21/12/2022 22:13	0.0	1.9	15.0	1	0	17/12/2022 10:00	1018	0.00	2.1
21/12/2022 23:43	0.0	1.9	15.0	1	0	17/12/2022 11:00	1018	0.00	2.4
22/12/2022 01:13	0.0	1.9	14.9	1	0	17/12/2022 12:00	1017	0.00	2.8
22/12/2022 02:43	0.0	1.9	14.9	2	0	17/12/2022 13:00	1017	0.00	3.1
22/12/2022 04:13	0.0	1.9	14.9	1	0	17/12/2022 14:00	1017	0.00	3.3
22/12/2022 05:43	0.0	1.9	14.9	1	0	17/12/2022 15:00	1017	0.00	3.1
22/12/2022 07:13	0.0	1.9	15.0	1	0	17/12/2022 16:00	1017	0.00	2.5
22/12/2022 08:43	0.0	1.9	15.0	1	0	17/12/2022 17:00	1017	0.00	1.8
22/12/2022 10:13	0.0	1.9	15.0	2	0	17/12/2022 18:00	1017	0.00	2.0
22/12/2022 11:43	0.0	1.9	15.0	1	0	17/12/2022 19:00	1018	0.00	1.4
22/12/2022 13:13	0.0	1.7	15.0	1	0	17/12/2022 20:00	1018	0.00	0.8
22/12/2022 14:43	0.0	1.9	15.0	1	0	17/12/2022 21:00	1018	0.00	0.1
22/12/2022 16:13	0.0	1.9	15.1	1	0	17/12/2022 22:00	1017	0.00	-0.5
22/12/2022 17:43	0.0	1.7	15.1	1	0	17/12/2022 23:00	1017	0.00	-0.8
22/12/2022 19:13	0.0	1.7	15.1	1	0	18/12/2022 00:00	1016	0.00	-0.9
22/12/2022 20:43	0.0	1.7	15.1	1	0	18/12/2022 01:00	1016	0.00	-0.9

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
22/12/2022 22:13	0.0	1.9	15.1	1	0	18/12/2022 02:00	1015	0.00	-0.8
22/12/2022 23:43	0.0	1.7	15.1	1	0	18/12/2022 03:00	1015	0.00	-0.6
23/12/2022 01:13	0.0	1.7	15.1	0	0	18/12/2022 04:00	1013	-0.35	-0.3
23/12/2022 02:43	0.0	1.7	15.1	1	0	18/12/2022 05:00	1013	0.00	0.2
23/12/2022 04:13	0.0	1.9	15.1	1	0	18/12/2022 06:00	1012	0.00	0.5
23/12/2022 05:43	0.0	1.7	15.1	1	0	18/12/2022 07:00	1012	0.00	0.7
23/12/2022 07:13	0.0	1.7	15.1	1	0	18/12/2022 08:00	1010	0.00	0.9
23/12/2022 08:43	0.0	1.7	15.0	0	0	18/12/2022 09:00	1009	-0.64	1.1
23/12/2022 10:13	0.0	1.9	15.0	0	0	18/12/2022 10:00	1008	-1.11	1.4
23/12/2022 11:43	0.0	1.9	15.1	1	0	18/12/2022 11:00	1007	0.12	1.8
23/12/2022 13:13	0.0	1.9	15.1	1	0	18/12/2022 12:00	1006	-0.35	2.4
23/12/2022 14:43	0.0	1.7	15.1	1	0	18/12/2022 13:00	1004	-0.41	3.0
23/12/2022 16:13	0.0	1.9	15.1	0	0	18/12/2022 14:00	1003	0.00	3.8
23/12/2022 17:43	0.0	1.7	15.2	1	0	18/12/2022 15:00	1002	-0.53	4.9
23/12/2022 19:13	0.0	1.7	15.2	1	0	18/12/2022 16:00	1001	0.00	5.5
23/12/2022 20:43	0.0	1.9	15.2	2	0	18/12/2022 17:00	1001	0.00	6.0
23/12/2022 22:13	0.0	1.7	15.2	1	0	18/12/2022 18:00	1000	0.00	6.6
23/12/2022 23:43	0.0	1.7	15.2	0	0	18/12/2022 19:00	1000	-0.35	7.0
24/12/2022 01:13	0.0	1.7	15.2	1	0	18/12/2022 20:00	1000	-0.35	7.4
24/12/2022 02:43	0.0	1.7	15.2	1	0	18/12/2022 21:00	999	-0.35	7.7
24/12/2022 04:13	0.0	1.9	15.2	1	0	18/12/2022 22:00	999	0.00	8.1
24/12/2022 05:43	0.0	1.7	15.2	1	0	18/12/2022 23:00	999	-0.76	8.2
24/12/2022 07:13	0.0	1.7	15.2	1	0	19/12/2022 00:00	999	0.00	8.4
24/12/2022 08:43	0.0	1.7	15.2	1	0	19/12/2022 01:00	999	0.00	8.3
24/12/2022 10:13	0.0	1.9	15.2	1	0	19/12/2022 02:00	999	0.00	8.3
24/12/2022 11:43	0.0	1.7	15.2	1	0	19/12/2022 03:00	999	0.00	8.8
24/12/2022 13:13	0.0	1.7	15.2	1	0	19/12/2022 04:00	999	-0.35	9.0
24/12/2022 14:43	0.0	1.7	15.2	1	0	19/12/2022 05:00	998	-0.70	9.1
24/12/2022 16:13	0.0	1.7	15.2	1	0	19/12/2022 06:00	998	0.00	9.2
24/12/2022 17:43	0.0	1.7	15.2	1	0	19/12/2022 07:00	999	-0.47	9.2
24/12/2022 19:13	0.0	1.7	15.2	1	0	19/12/2022 08:00	998	-1.75	9.4
24/12/2022 20:43	0.0	1.7	15.3	1	0	19/12/2022 09:00	998	-1.05	9.5
24/12/2022 22:13	0.0	1.7	15.2	1	0	19/12/2022 10:00	998	-0.47	9.6
24/12/2022 23:43	0.0	1.7	15.2	1	0	19/12/2022 11:00	997	0.00	9.7
25/12/2022 01:13	0.0	1.7	15.2	2	0	19/12/2022 12:00	997	0.06	9.9
25/12/2022 02:43	0.0	1.7	15.2	1	0	19/12/2022 13:00	998	-0.53	10.1
25/12/2022 04:13	0.0	1.7	15.2	2	0	19/12/2022 14:00	998	-0.06	10.3
25/12/2022 05:43	0.0	1.9	15.2	0	0	19/12/2022 15:00	998	-0.94	10.3
25/12/2022 07:13	0.0	1.7	15.2	1	0	19/12/2022 16:00	999	0.00	10.1
25/12/2022 08:43	0.0	1.7	15.2	1	0	19/12/2022 17:00	999	0.00	9.8
25/12/2022 10:13	0.0	1.7	15.3	0	0	19/12/2022 18:00	999	0.00	9.7
25/12/2022 11:43	0.0	1.7	15.3	0	0	19/12/2022 19:00	999	0.00	9.4
25/12/2022 13:13	0.0	1.7	15.3	1	0	19/12/2022 20:00	999	0.00	9.2
25/12/2022 14:43	0.0	1.7	15.3	1	0	19/12/2022 21:00	999	0.00	9.0
25/12/2022 16:13	0.0	1.7	15.3	1	0	19/12/2022 22:00	999	0.00	8.8
25/12/2022 17:43	0.0	1.7	15.3	1	0	19/12/2022 23:00	999	0.00	8.5
25/12/2022 19:13	0.0	1.7	15.3	1	0	20/12/2022 00:00	999	0.00	8.3
25/12/2022 20:43	0.0	1.7	15.3	1	0	20/12/2022 01:00	1000	0.00	8.1
25/12/2022 22:13	0.0	1.7	15.3	0	0	20/12/2022 02:00	1000	0.00	7.6
25/12/2022 23:43	0.0	1.7	15.3	1	0	20/12/2022 03:00	1000	0.00	7.2
26/12/2022 01:13	0.0	1.7	15.4	1	0	20/12/2022 04:00	1001	0.00	6.4
26/12/2022 02:43	0.0	1.7	15.4	0	0	20/12/2022 05:00	1001	0.00	5.4
26/12/2022 04:13	0.0	1.7	15.4	1	0	20/12/2022 06:00	1002	0.00	4.6
26/12/2022 05:43	0.0	1.7	15.4	1	0	20/12/2022 07:00	1002	0.00	4.6
26/12/2022 07:13	0.0	1.5	15.4	1	0	20/12/2022 08:00	1003	0.00	4.7
26/12/2022 08:43	0.0	1.7	15.4	2	0	20/12/2022 09:00	1004	0.00	4.6
26/12/2022 10:13	0.0	1.5	15.4	2	0	20/12/2022 10:00	1004	0.00	4.9
26/12/2022 11:43	0.0	1.5	15.4	1	0	20/12/2022 11:00	1004	0.00	5.9
26/12/2022 13:13	0.0	1.7	15.4	2	0	20/12/2022 12:00	1004	0.00	6.4
26/12/2022 14:43	0.0	1.7	15.4	1	0	20/12/2022 13:00	1004	0.00	7.2
26/12/2022 16:13	0.0	1.7	15.4	2	0	20/12/2022 14:00	1004	0.00	7.0
26/12/2022 17:43	0.0	1.7	15.4	2	0	20/12/2022 15:00	1004	0.00	7.0
26/12/2022 19:13	0.0	1.7	15.4	1	0	20/12/2022 16:00	1005	0.00	6.5
26/12/2022 20:43	0.0	1.7	15.4	1	0	20/12/2022 17:00	1005	0.00	5.7
26/12/2022 22:13	0.0	1.7	15.4	2	0	20/12/2022 18:00	1005	0.00	5.4
26/12/2022 23:43	0.0	1.7	15.4	2	0	20/12/2022 19:00	1005	0.00	5.6
27/12/2022 01:13	0.0	1.7	15.4	2	0	20/12/2022 20:00	1005	0.00	5.6
27/12/2022 02:43	0.0	1.5	15.3	2	0	20/12/2022 21:00	1005	0.00	5.8
27/12/2022 04:13	0.0	1.7	15.3	1	0	20/12/2022 22:00	1005	0.00	5.9
27/12/2022 05:43	0.0	1.7	15.3	1	0	20/12/2022 23:00	1004	-0.70	6.0
27/12/2022 07:13	0.0	1.7	15.3	1	0	21/12/2022 00:00	1004	-0.35	6.2
27/12/2022 08:43	0.0	1.7	15.3	1	0	21/12/2022 01:00	1004	0.00	6.2
27/12/2022 10:13	0.0	1.7	15.3	1	0	21/12/2022 02:00	1003	0.00	6.4
27/12/2022 11:43	0.0	1.7	15.3	1	0	21/12/2022 03:00	1003	0.00	6.4
27/12/2022 13:13	0.0	1.7	15.3	2	0	21/12/2022 04:00	1003	0.00	6.3
27/12/2022 14:43	0.0	1.7	15.3	2	0	21/12/2022 05:00	1003	0.00	6.5
27/12/2022 16:13	0.0	1.7	15.3	1	0	21/12/2022 06:00	1002	0.00	6.5
27/12/2022 17:43	0.0	1.7	15.3	1	0	21/12/2022 07:00	1002	0.00	6.3
27/12/2022 19:13	0.0	1.7	15.3	2	0	21/12/2022 08:00	1002	0.00	6.2
27/12/2022 20:43	0.0	1.7	15.3	1	0	21/12/2022 09:00	1002	-0.35	5.6
27/12/2022 22:13	0.0	1.7	15.3	1	0	21/12/2022 10:00	1003	0.00	5.7
27/12/2022 23:43	0.0	1.7	15.3	2	0	21/12/2022 11:00	1003	0.00	5.6
28/12/2022 01:13	0.0	1.7	15.3	1	0	21/12/2022 12:00	1002	0.00	6.3
28/12/2022 02:43	0.0	1.7	15.3	1	0	21/12/2022 13:00	1002	0.00	6.5
28/12/2022 04:13	0.0	1.7	15.3	1	0	21/12/2022 14:00	1001	0.00	6.4

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
28/12/2022 05:43	0.0	1.7	15.3	2	0	21/12/2022 15:00	1001	0.00	6.1
28/12/2022 07:13	0.0	1.7	15.3	2	0	21/12/2022 16:00	1001	0.00	5.4
28/12/2022 08:43	0.0	1.7	15.3	2	0	21/12/2022 17:00	1001	0.00	4.5
28/12/2022 10:13	0.0	1.7	15.3	2	0	21/12/2022 18:00	1001	0.00	4.2
28/12/2022 11:43	0.0	1.7	15.3	1	0	21/12/2022 19:00	1001	0.00	4.0
28/12/2022 13:13	0.0	1.7	15.3	2	0	21/12/2022 20:00	1000	0.00	4.0
28/12/2022 14:43	0.0	1.7	15.3	1	0	21/12/2022 21:00	1001	0.00	4.2
28/12/2022 16:13	0.0	1.7	15.3	2	0	21/12/2022 22:00	1001	0.00	4.1
28/12/2022 17:43	0.0	1.7	15.3	2	0	21/12/2022 23:00	1001	0.00	4.1
28/12/2022 19:13	0.0	1.7	15.3	2	0	22/12/2022 00:00	1001	0.00	4.2
28/12/2022 20:43	0.0	1.7	15.3	1	0	22/12/2022 01:00	1000	0.00	4.4
28/12/2022 22:13	0.0	1.7	15.3	1	0	22/12/2022 02:00	1001	0.00	4.8
28/12/2022 23:43	0.0	1.7	15.3	1	0	22/12/2022 03:00	1000	0.00	5.2
29/12/2022 01:13	0.0	1.7	15.3	1	0	22/12/2022 04:00	1000	0.00	5.7
29/12/2022 02:43	0.0	1.7	15.4	1	0	22/12/2022 05:00	1000	0.00	6.0
29/12/2022 04:13	0.0	1.5	15.4	1	0	22/12/2022 06:00	999	0.00	6.4
29/12/2022 05:43	0.0	1.7	15.4	2	0	22/12/2022 07:00	999	0.00	6.8
29/12/2022 07:13	0.0	1.5	15.4	1	0	22/12/2022 08:00	999	0.00	7.1
29/12/2022 08:43	0.0	1.5	15.5	1	0	22/12/2022 09:00	999	0.00	7.4
29/12/2022 10:13	0.0	1.5	15.5	2	0	22/12/2022 10:00	999	0.00	8.0
29/12/2022 11:43	0.0	1.7	15.4	2	0	22/12/2022 11:00	999	0.00	8.4
29/12/2022 13:13	0.0	1.7	15.4	2	0	22/12/2022 12:00	998	0.00	8.8
29/12/2022 14:43	0.0	1.7	15.4	1	0	22/12/2022 13:00	998	0.00	9.2
29/12/2022 16:13	0.0	1.7	15.4	1	0	22/12/2022 14:00	998	0.00	9.3
29/12/2022 17:43	0.0	1.7	15.4	2	0	22/12/2022 15:00	999	0.00	9.6
29/12/2022 19:13	0.0	1.7	15.4	2	0	22/12/2022 16:00	1000	0.00	9.4
29/12/2022 20:43	0.0	1.7	15.3	2	0	22/12/2022 17:00	1001	0.00	9.0
29/12/2022 22:13	0.0	1.7	15.3	2	0	22/12/2022 18:00	1001	0.00	8.7
29/12/2022 23:43	0.0	1.9	15.2	2	0	22/12/2022 19:00	1002	0.00	8.4
30/12/2022 01:13	0.0	1.9	15.2	2	0	22/12/2022 20:00	1002	0.00	8.1
30/12/2022 02:43	0.0	1.7	15.2	2	0	22/12/2022 21:00	1002	0.00	7.9
30/12/2022 04:13	0.0	1.7	15.3	2	0	22/12/2022 22:00	1002	0.00	7.7
30/12/2022 05:43	0.0	1.7	15.3	1	0	22/12/2022 23:00	1003	0.00	7.6
30/12/2022 07:13	0.0	1.7	15.2	2	0	23/12/2022 00:00	1003	0.00	7.4
30/12/2022 08:43	0.0	1.7	15.3	2	0	23/12/2022 01:00	1002	0.00	7.3
30/12/2022 10:13	0.0	1.7	15.3	2	0	23/12/2022 02:00	1001	0.00	7.2
30/12/2022 11:43	0.0	1.7	15.3	2	0	23/12/2022 03:00	1000	0.00	7.1
30/12/2022 13:13	0.0	1.7	15.3	1	0	23/12/2022 04:00	1000	0.00	7.1
30/12/2022 14:43	0.0	1.7	15.4	1	0	23/12/2022 05:00	998	0.00	7.0
30/12/2022 16:13	0.0	1.7	15.5	2	0	23/12/2022 06:00	997	0.00	6.9
30/12/2022 17:43	0.0	1.7	15.5	1	0	23/12/2022 07:00	995	0.00	7.1
30/12/2022 19:13	0.0	1.7	15.5	1	0	23/12/2022 08:00	995	0.00	7.2
30/12/2022 20:43	0.0	1.5	15.5	1	0	23/12/2022 09:00	995	0.00	7.4
30/12/2022 22:13	0.0	1.5	15.5	2	0	23/12/2022 10:00	995	0.00	8.2
30/12/2022 23:43	0.0	1.5	15.5	2	0	23/12/2022 11:00	996	0.00	8.7
31/12/2022 01:13	0.0	1.5	15.5	2	0	23/12/2022 12:00	996	-0.70	9.1
31/12/2022 02:43	0.0	1.7	15.5	1	0	23/12/2022 13:00	997	0.00	9.3
31/12/2022 04:13	0.0	1.7	15.5	2	0	23/12/2022 14:00	998	0.00	9.2
31/12/2022 05:43	0.0	1.7	15.5	1	0	23/12/2022 15:00	999	1.23	9.0
31/12/2022 07:13	0.0	1.7	15.5	2	0	23/12/2022 16:00	999	-0.35	8.8
31/12/2022 08:43	0.0	1.7	15.6	2	0	23/12/2022 17:00	1000	0.00	8.5
31/12/2022 10:13	0.0	1.5	15.6	2	0	23/12/2022 18:00	1000	0.00	7.9
31/12/2022 11:43	0.0	1.5	15.6	2	0	23/12/2022 19:00	1000	0.00	7.9
31/12/2022 13:13	0.0	1.5	15.6	2	0	23/12/2022 20:00	1001	0.41	8.2
31/12/2022 14:43	0.0	1.5	15.6	2	0	23/12/2022 21:00	1001	0.00	8.0
31/12/2022 16:13	0.0	1.5	15.6	1	0	23/12/2022 22:00	1002	0.00	7.8
31/12/2022 17:43	0.0	1.5	15.6	2	0	23/12/2022 23:00	1002	0.00	8.2
31/12/2022 19:13	0.0	1.5	15.6	1	0	24/12/2022 00:00	1003	0.00	7.9
31/12/2022 20:43	0.0	1.5	15.6	2	0	24/12/2022 01:00	1004	0.00	7.4
31/12/2022 22:13	0.0	1.5	15.6	2	0	24/12/2022 02:00	1004	0.00	6.7
31/12/2022 23:43	0.0	1.5	15.7	2	0	24/12/2022 03:00	1005	0.00	5.9
01/01/2023 01:13	0.0	1.5	15.7	0	0	24/12/2022 04:00	1005	0.00	5.3
01/01/2023 02:43	0.0	1.5	15.7	1	0	24/12/2022 05:00	1005	0.00	4.5
01/01/2023 04:13	0.0	1.5	15.7	2	0	24/12/2022 06:00	1006	0.00	4.3
01/01/2023 05:43	0.0	1.5	15.7	1	0	24/12/2022 07:00	1006	0.00	4.5
01/01/2023 07:13	0.0	1.5	15.7	2	0	24/12/2022 08:00	1005	0.00	5.6
01/01/2023 08:43	0.0	1.5	15.7	1	0	24/12/2022 09:00	1006	0.00	6.2
01/01/2023 10:13	0.0	1.5	15.8	1	0	24/12/2022 10:00	1006	0.00	6.6
01/01/2023 11:43	0.0	1.5	15.8	3	0	24/12/2022 11:00	1006	0.00	7.1
01/01/2023 13:13	0.0	1.4	15.7	2	0	24/12/2022 12:00	1006	0.00	7.8
01/01/2023 14:43	0.0	1.4	15.7	2	0	24/12/2022 13:00	1005	-0.35	8.4
01/01/2023 16:13	0.0	1.4	15.8	2	0	24/12/2022 14:00	1005	0.00	8.8
01/01/2023 17:43	0.0	1.5	15.8	2	0	24/12/2022 15:00	1004	0.00	8.8
01/01/2023 19:13	0.0	1.5	15.8	1	0	24/12/2022 16:00	1004	0.00	8.5
01/01/2023 20:43	0.0	1.3	15.8	1	0	24/12/2022 17:00	1004	0.00	8.4
01/01/2023 22:13	0.0	1.3	15.8	2	0	24/12/2022 18:00	1003	0.41	8.4
01/01/2023 23:43	0.0	1.3	15.8	1	0	24/12/2022 19:00	1003	0.00	8.3
02/01/2023 01:13	0.0	1.4	15.8	2	0	24/12/2022 20:00	1003	0.00	8.4
02/01/2023 02:43	0.0	1.5	15.8	1	0	24/12/2022 21:00	1004	0.00	8.1
02/01/2023 04:13	0.0	1.3	15.8	2	0	24/12/2022 22:00	1004	0.00	7.8
02/01/2023 05:43	0.0	1.3	15.8	2	0	24/12/2022 23:00	1004	0.00	7.8
02/01/2023 07:13	0.0	1.3	15.8	3	0	25/12/2022 00:00	1003	0.00	7.9
02/01/2023 08:43	0.0	1.3	15.8	2	0	25/12/2022 01:00	1004	0.00	7.9
02/01/2023 10:13	0.0	1.3	15.8	2	0	25/12/2022 02:00	1003	0.00	7.9
02/01/2023 11:43	0.0	1.3	15.8	1	0	25/12/2022 03:00	1003	0.00	8.1

GC Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S	LL and BL Date and Time	Atmospheric Pressure	Flow	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v		mbar	Ltr/hr	°C
02/01/2023 13:13	0.0	1.3	15.8	2	0	25/12/2022 04:00	1003	0.00	7.9
02/01/2023 14:43	0.0	1.3	15.9	2	0	25/12/2022 05:00	1002	0.00	8.0
02/01/2023 16:13	0.0	1.3	15.9	2	0	25/12/2022 06:00	1002	0.00	8.1
02/01/2023 17:43	0.0	1.3	15.9	1	0	25/12/2022 07:00	1002	0.00	8.0
02/01/2023 19:13	0.0	1.3	15.9	2	0	25/12/2022 08:00	1002	0.00	8.1
02/01/2023 20:43	0.0	1.3	15.8	2	0	25/12/2022 09:00	1002	0.00	8.1
02/01/2023 22:13	0.0	1.3	15.8	3	0	25/12/2022 10:00	1003	0.00	8.2
02/01/2023 23:43	0.0	1.3	15.8	2	0	25/12/2022 11:00	1002	0.41	8.3
03/01/2023 01:13	0.0	1.3	15.7	2	0	25/12/2022 12:00	1002	0.00	8.3
03/01/2023 02:43	0.0	1.5	15.7	2	0	25/12/2022 13:00	1002	0.00	8.6
03/01/2023 04:13	0.0	1.4	15.7	3	0	25/12/2022 14:00	1001	0.00	8.9
03/01/2023 05:43	0.0	1.5	15.7	2	0	25/12/2022 15:00	1001	0.00	8.9
03/01/2023 07:13	0.0	1.5	15.7	2	0	25/12/2022 16:00	1002	0.00	8.8
03/01/2023 08:43	0.0	1.4	15.7	2	0	25/12/2022 17:00	1002	0.00	8.7
03/01/2023 10:13	0.0	1.5	15.7	2	0	25/12/2022 18:00	1002	0.00	8.3
03/01/2023 11:43	0.0	1.5	15.7	2	0	25/12/2022 19:00	1002	0.00	8.4
03/01/2023 13:13	0.0	1.5	15.8	2	0	25/12/2022 20:00	1002	-0.70	8.5
03/01/2023 14:43	0.0	1.5	15.7	2	0	25/12/2022 21:00	1001	0.58	8.6
03/01/2023 16:13	0.0	1.5	15.7	2	0	25/12/2022 22:00	1001	-0.35	8.6
03/01/2023 17:43	0.0	1.5	15.8	2	0	25/12/2022 23:00	1003	0.00	8.3
03/01/2023 19:13	0.0	1.5	15.8	2	0	26/12/2022 00:00	1004	0.00	7.9
03/01/2023 20:43	0.0	1.5	15.8	1	0	26/12/2022 01:00	1006	0.00	7.0
03/01/2023 22:13	0.0	1.5	15.8	2	0	26/12/2022 02:00	1007	0.00	6.4
03/01/2023 23:43	0.0	1.5	15.8	1	0	26/12/2022 03:00	1008	0.00	6.0
04/01/2023 01:13	0.0	1.4	15.8	2	0	26/12/2022 04:00	1010	0.00	5.2
04/01/2023 02:43	0.0	1.5	15.8	2	0	26/12/2022 05:00	1011	0.00	4.4
04/01/2023 04:13	0.0	1.5	15.9	2	0	26/12/2022 06:00	1012	0.00	3.5
04/01/2023 05:43	0.0	1.5	15.9	2	0	26/12/2022 07:00	1012	0.00	2.6
04/01/2023 07:13	0.0	1.5	15.9	2	0	26/12/2022 08:00	1013	0.00	1.7
04/01/2023 08:43	0.0	1.5	15.9	3	0	26/12/2022 09:00	1014	0.00	1.3
04/01/2023 10:13	0.0	1.3	16.0	2	0	26/12/2022 10:00	1015	0.00	1.4
04/01/2023 11:43	0.0	1.3	16.0	2	0	26/12/2022 11:00	1016	0.00	1.7
04/01/2023 13:13	0.0	1.3	16.0	1	0	26/12/2022 12:00	1016	0.00	2.5
04/01/2023 14:43	0.0	1.3	16.0	2	0	26/12/2022 13:00	1016	0.00	3.3
04/01/2023 16:13	0.0	1.3	16.0	1	0	26/12/2022 14:00	1016	0.00	3.1
04/01/2023 17:43	0.0	1.3	16.0	2	0	26/12/2022 15:00	1016	0.00	3.7
04/01/2023 19:13	0.0	1.3	16.0	2	0	26/12/2022 16:00	1017	0.00	3.4
04/01/2023 20:43	0.0	1.3	16.1	2	0	26/12/2022 17:00	1017	0.00	3.3
04/01/2023 22:13	0.0	1.3	16.1	2	0	26/12/2022 18:00	1017	0.00	3.1
04/01/2023 23:43	0.0	1.3	16.1	1	0	26/12/2022 19:00	1018	0.00	2.9
05/01/2023 01:13	0.0	1.3	16.1	2	0	26/12/2022 20:00	1018	0.00	2.2
05/01/2023 02:43	0.0	1.3	16.1	1	0	26/12/2022 21:00	1019	0.00	1.4
05/01/2023 04:13	0.0	1.3	16.1	1	0	26/12/2022 22:00	1019	0.00	1.4
05/01/2023 05:43	0.0	1.3	16.0	2	0	26/12/2022 23:00	1020	0.00	1.5
05/01/2023 07:13	0.0	1.3	16.0	1	0	27/12/2022 00:00	1020	0.00	1.4
05/01/2023 08:43	0.0	1.3	16.0	2	0	27/12/2022 01:00	1020	0.00	1.1
05/01/2023 10:13	0.0	1.3	16.0	1	0	27/12/2022 02:00	1020	0.00	1.0
05/01/2023 11:43	0.0	1.3	16.1	2	0	27/12/2022 03:00	1019	0.00	1.6
05/01/2023 13:13	0.0	1.3	16.0	2	0	27/12/2022 04:00	1019	0.00	2.0
05/01/2023 14:43	0.0	1.3	16.0	2	0	27/12/2022 05:00	1018	0.00	2.2
05/01/2023 16:13	0.0	1.4	16.0	2	0	27/12/2022 06:00	1018	0.00	3.0
05/01/2023 17:43	0.0	1.5	16.0	2	0	27/12/2022 07:00	1017	0.00	3.9
05/01/2023 19:13	0.0	1.5	16.0	2	0	27/12/2022 08:00	1017	0.00	4.7
05/01/2023 20:43	0.0	1.3	16.0	1	0	27/12/2022 09:00	1016	0.23	5.2
05/01/2023 22:13	0.0	1.3	16.0	1	0	27/12/2022 10:00	1016	0.00	5.7
05/01/2023 23:43	0.0	1.3	16.0	1	0	27/12/2022 11:00	1015	0.92	6.3
06/01/2023 01:13	0.0	1.3	16.0	2	0	27/12/2022 12:00	1014	0.47	6.8
06/01/2023 02:43	0.0	1.3	16.0	2	0	27/12/2022 13:00	1013	-0.58	7.1
06/01/2023 04:13	0.0	1.5	16.0	2	0	27/12/2022 14:00	1012	-0.58	7.3
06/01/2023 05:43	0.0	1.3	16.0	2	0	27/12/2022 15:00	1011	-1.05	7.4
06/01/2023 07:13	0.0	1.3	16.0	2	0	27/12/2022 16:00	1010	-1.98	7.5
06/01/2023 08:43	0.0	1.3	16.0	2	0	27/12/2022 17:00	1009	0.67	7.6
06/01/2023 10:13	0.0	1.3	16.0	2	0	27/12/2022 18:00	1008	0.12	7.8
06/01/2023 11:43	0.0	1.3	16.0	2	0	27/12/2022 19:00	1007	0.06	8.0
06/01/2023 13:13	0.0	1.3	16.0	2	0	27/12/2022 20:00	1006	0.00	8.4
06/01/2023 14:43	0.0	1.3	16.0	2	0	27/12/2022 21:00	1007	0.00	8.9
06/01/2023 16:13	0.0	1.3	16.0	1	0	27/12/2022 22:00	1007	0.00	8.7
06/01/2023 17:43	0.0	1.5	16.0	2	0	27/12/2022 23:00	1007	0.00	8.1
06/01/2023 19:13	0.0	1.5	16.0	1	0	28/12/2022 00:00	1007	0.00	7.6
06/01/2023 20:43	0.0	1.3	16.0	1	0	28/12/2022 01:00	1007	0.00	7.4
06/01/2023 22:13	0.0	1.3	16.0	1	0	28/12/2022 02:00	1006	0.00	7.0
06/01/2023 23:43	0.0	1.3	16.0	1	0	28/12/2022 03:00	1005	0.00	7.0
07/01/2023 01:13	0.0	1.3	15.9	2	0	28/12/2022 04:00	1003	0.00	7.2
07/01/2023 02:43	0.0	1.3	16.0	2	0	28/12/2022 05:00	1002	-1.52	7.4
07/01/2023 04:13	0.0	1.5	15.9	1	0	28/12/2022 06:00	1001	0.88	8.0
07/01/2023 05:43	0.0	1.5	15.9	2	0	28/12/2022 07:00	999	-0.35	8.2
07/01/2023 07:13	0.0	1.5	15.9	2	0	28/12/2022 08:00	998	-0.94	8.2
07/01/2023 08:43	0.0	1.3	15.9	2	0	28/12/2022 09:00	996	0.00	8.3
07/01/2023 10:13	0.0	1.5	15.9	1	0	28/12/2022 10:00	995	-0.35	8.4
07/01/2023 11:43	0.0	1.5	15.9	1	0	28/12/2022 11:00	993	0.82	8.7
07/01/2023 13:13	0.0	1.3	15.9	1	0	28/12/2022 12:00	992	-1.05	9.1
07/01/2023 14:43	0.0	1.5	15.9	2	0	28/12/2022 13:00	992	-0.35	9.5
07/01/2023 16:13	0.0	1.3	16.0	1	0	28/12/2022 14:00	992	0.00	9.6
07/01/2023 17:43	0.0	1.3	16.0	2	0	28/12/2022 15:00	992	-1.05	9.2
07/01/2023 19:13	0.0	1.3	16.0	1	0	28/12/2022 16:00	991	0.00	9.0

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
07/01/2023 20:43	0.0	1.3	16.0	2	0	28/12/2022 17:00	991	0.06	8.8
07/01/2023 22:13	0.0	1.3	16.0	1	0	28/12/2022 18:00	991	0.53	8.6
07/01/2023 23:43	0.0	1.3	16.0	1	0	28/12/2022 19:00	990	-0.35	8.4
08/01/2023 01:13	0.0	1.3	16.0	2	0	28/12/2022 20:00	990	-1.57	8.2
08/01/2023 02:43	0.0	1.3	16.0	2	0	28/12/2022 21:00	990	-0.76	8.0
08/01/2023 04:13	0.0	1.3	16.0	2	0	28/12/2022 22:00	990	-1.11	7.6
08/01/2023 05:43	0.0	1.3	16.0	1	0	28/12/2022 23:00	989	-1.97	7.6
08/01/2023 07:13	0.0	1.3	15.9	2	0	29/12/2022 00:00	989	-0.64	7.6
08/01/2023 08:43	0.0	1.3	15.9	1	0	29/12/2022 01:00	988	0.00	7.7
08/01/2023 10:13	0.0	1.3	15.9	2	0	29/12/2022 02:00	990	0.00	7.5
08/01/2023 11:43	0.0	1.3	15.9	2	0	29/12/2022 03:00	992	0.00	6.9
08/01/2023 13:13	0.0	1.3	15.9	2	0	29/12/2022 04:00	993	0.00	6.7
08/01/2023 14:43	0.0	1.3	15.9	2	0	29/12/2022 05:00	994	0.00	6.4
08/01/2023 16:13	0.0	1.3	15.9	1	0	29/12/2022 06:00	995	0.00	6.4
08/01/2023 17:43	0.0	1.3	15.9	1	0	29/12/2022 07:00	996	0.00	6.2
08/01/2023 19:13	0.0	1.3	15.9	2	0	29/12/2022 08:00	997	-0.17	5.6
08/01/2023 20:43	0.0	1.3	15.9	2	0	29/12/2022 09:00	997	0.00	5.5
08/01/2023 22:13	0.0	1.3	16.0	2	0	29/12/2022 10:00	998	0.00	5.6
08/01/2023 23:43	0.0	1.3	16.0	1	0	29/12/2022 11:00	999	0.00	5.7
09/01/2023 01:13	0.0	1.3	16.0	3	0	29/12/2022 12:00	999	0.47	6.2
09/01/2023 02:43	0.0	1.0	16.0	3	0	29/12/2022 13:00	999	0.00	6.3
09/01/2023 04:13	0.0	1.3	16.1	2	0	29/12/2022 14:00	1000	0.00	6.2
09/01/2023 05:43	0.0	1.0	16.1	3	0	29/12/2022 15:00	1001	0.00	5.7
09/01/2023 07:13	0.0	1.0	16.1	2	0	29/12/2022 16:00	1001	0.00	5.3
09/01/2023 08:43	0.0	1.1	16.1	2	0	29/12/2022 17:00	1001	0.00	5.1
09/01/2023 10:13	0.0	1.0	16.2	2	0	29/12/2022 18:00	1002	0.00	5.2
09/01/2023 11:43	0.0	1.0	16.2	2	0	29/12/2022 19:00	1002	0.00	4.9
09/01/2023 13:13	0.0	1.0	16.2	2	0	29/12/2022 20:00	1002	0.00	5.0
09/01/2023 14:43	0.0	1.0	16.2	2	0	29/12/2022 21:00	1001	0.00	4.6
09/01/2023 16:13	0.0	1.0	16.3	1	0	29/12/2022 22:00	1001	0.41	5.0
09/01/2023 17:43	0.0	1.0	16.3	2	0	29/12/2022 23:00	1000	-0.70	5.1
09/01/2023 19:13	0.0	1.1	16.3	2	0	30/12/2022 00:00	999	0.00	5.3
09/01/2023 20:43	0.0	1.0	16.3	3	0	30/12/2022 01:00	998	0.53	5.8
09/01/2023 22:13	0.0	1.0	16.3	2	0	30/12/2022 02:00	996	-1.46	6.1
09/01/2023 23:43	0.0	1.0	16.2	3	0	30/12/2022 03:00	995	-0.75	6.3
10/01/2023 01:13	0.0	1.0	16.2	2	0	30/12/2022 04:00	993	0.88	6.7
10/01/2023 02:43	0.0	1.1	16.2	3	0	30/12/2022 05:00	991	-1.34	6.8
10/01/2023 04:13	0.0	1.1	16.1	2	0	30/12/2022 06:00	990	-0.70	6.9
10/01/2023 05:43	0.0	1.0	16.1	2	0	30/12/2022 07:00	987	0.41	6.8
10/01/2023 07:13	0.0	1.3	16.1	2	0	30/12/2022 08:00	985	0.00	6.9
10/01/2023 08:43	0.0	1.3	16.0	3	0	30/12/2022 09:00	984	0.00	7.2
10/01/2023 10:13	0.0	1.3	16.0	2	0	30/12/2022 10:00	984	0.00	7.7
10/01/2023 11:43	0.0	1.3	16.1	3	0	30/12/2022 11:00	985	-0.70	8.8
						30/12/2022 12:00	987	0.00	9.3
						30/12/2022 13:00	987	-0.47	9.5
						30/12/2022 14:00	989	0.06	9.8
						30/12/2022 15:00	990	0.00	9.3
						30/12/2022 16:00	991	0.00	8.9
						30/12/2022 17:00	992	0.00	8.8
						30/12/2022 18:00	992	-0.35	8.4
						30/12/2022 19:00	993	0.00	8.2
						30/12/2022 20:00	994	0.00	8.1
						30/12/2022 21:00	994	0.00	8.2
						30/12/2022 22:00	994	-0.35	8.3
						30/12/2022 23:00	993	0.00	8.3
						31/12/2022 00:00	993	0.00	8.3
						31/12/2022 01:00	993	0.00	8.4
						31/12/2022 02:00	993	0.00	8.2
						31/12/2022 03:00	992	0.00	8.2
						31/12/2022 04:00	991	-0.35	8.4
						31/12/2022 05:00	992	-0.64	8.9
						31/12/2022 06:00	992	0.00	9.2
						31/12/2022 07:00	993	0.00	9.4
						31/12/2022 08:00	994	0.00	9.4
						31/12/2022 09:00	995	-0.35	9.5
						31/12/2022 10:00	995	0.00	9.6
						31/12/2022 11:00	995	0.00	9.8
						31/12/2022 12:00	995	0.00	9.9
						31/12/2022 13:00	994	0.00	9.8
						31/12/2022 14:00	993	0.00	9.7
						31/12/2022 15:00	994	0.00	9.6
						31/12/2022 16:00	993	0.00	9.4
						31/12/2022 17:00	994	0.00	9.2
						31/12/2022 18:00	994	0.00	9.1
						31/12/2022 19:00	995	0.00	9.0
						31/12/2022 20:00	996	-0.70	8.8
						31/12/2022 21:00	996	0.06	8.8
						31/12/2022 22:00	997	-0.70	8.4
						31/12/2022 23:00	998	0.00	8.2
						01/01/2023 00:00	999	0.00	8.1
						01/01/2023 01:00	999	0.00	8.0
						01/01/2023 02:00	1000	0.58	7.9
						01/01/2023 03:00	1000	0.00	7.8
						01/01/2023 04:00	1000	0.00	7.4
						01/01/2023 05:00	1001	0.00	7.4



GC Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S	LL and BL Date and Time	Atmospheric Pressure	Flow	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v		mbar	Ltr/hr	°C
						01/01/2023 06:00	1002	0.00	7.1
						01/01/2023 07:00	1002	1.06	7.0
						01/01/2023 08:00	1002	-0.35	7.3
						01/01/2023 09:00	1003	0.87	7.3
						01/01/2023 10:00	1003	-0.35	8.0
						01/01/2023 11:00	1004	0.00	8.3
						01/01/2023 12:00	1004	0.00	8.7
						01/01/2023 13:00	1003	0.00	9.1
						01/01/2023 14:00	1004	0.00	9.3
						01/01/2023 15:00	1003	0.00	9.2
						01/01/2023 16:00	1004	0.00	8.9
						01/01/2023 17:00	1004	0.00	8.5
						01/01/2023 18:00	1004	0.00	8.3
						01/01/2023 19:00	1004	0.00	7.8
						01/01/2023 20:00	1004	0.00	7.5
						01/01/2023 21:00	1004	0.00	7.5
						01/01/2023 22:00	1004	0.00	7.2
						01/01/2023 23:00	1005	0.00	7.1
						02/01/2023 00:00	1006	0.00	6.4
						02/01/2023 01:00	1006	0.00	6.1
						02/01/2023 02:00	1007	0.00	6.0
						02/01/2023 03:00	1008	0.00	5.3
						02/01/2023 04:00	1009	0.00	4.6
						02/01/2023 05:00	1010	0.00	3.6
						02/01/2023 06:00	1011	0.00	2.6
						02/01/2023 07:00	1012	0.00	2.3
						02/01/2023 08:00	1013	0.00	2.2
						02/01/2023 09:00	1015	0.00	1.9
						02/01/2023 10:00	1016	0.00	1.6
						02/01/2023 11:00	1016	0.00	1.9
						02/01/2023 12:00	1016	0.00	2.9
						02/01/2023 13:00	1017	0.00	3.3
						02/01/2023 14:00	1017	0.00	3.5
						02/01/2023 15:00	1017	0.00	3.4
						02/01/2023 16:00	1018	0.00	2.9
						02/01/2023 17:00	1018	0.00	2.4
						02/01/2023 18:00	1018	0.00	1.7
						02/01/2023 19:00	1019	0.00	1.4
						02/01/2023 20:00	1019	0.00	1.1
						02/01/2023 21:00	1019	0.00	0.7
						02/01/2023 22:00	1018	0.00	0.6
						02/01/2023 23:00	1018	0.06	0.6
						03/01/2023 00:00	1018	0.00	1.3
						03/01/2023 01:00	1017	0.00	2.8
						03/01/2023 02:00	1016	0.82	3.2
						03/01/2023 03:00	1016	0.00	3.6
						03/01/2023 04:00	1014	-0.23	4.6
						03/01/2023 05:00	1013	0.00	5.2
						03/01/2023 06:00	1013	0.00	6.0
						03/01/2023 07:00	1013	0.00	6.6
						03/01/2023 08:00	1013	0.00	7.1
						03/01/2023 09:00	1013	0.00	7.5
						03/01/2023 10:00	1013	0.00	7.9
						03/01/2023 11:00	1012	0.00	8.2
						03/01/2023 12:00	1011	0.00	8.3
						03/01/2023 13:00	1010	-1.34	8.5
						03/01/2023 14:00	1009	-0.41	8.6
						03/01/2023 15:00	1008	0.00	8.9
						03/01/2023 16:00	1008	0.00	9.1
						03/01/2023 17:00	1008	0.00	9.4
						03/01/2023 18:00	1008	-0.70	9.7
						03/01/2023 19:00	1009	-0.35	9.8
						03/01/2023 20:00	1009	0.41	9.9
						03/01/2023 21:00	1009	-0.70	10.0
						03/01/2023 22:00	1009	1.54	10.0
						03/01/2023 23:00	1009	-0.06	10.0
						04/01/2023 00:00	1009	-0.82	10.1
						04/01/2023 01:00	1009	-1.05	10.2
						04/01/2023 02:00	1009	0.35	10.3
						04/01/2023 03:00	1009	0.35	10.4
						04/01/2023 04:00	1009	-1.99	10.5
						04/01/2023 05:00	1010	0.00	10.5
						04/01/2023 06:00	1010	1.04	10.4
						04/01/2023 07:00	1011	1.93	10.3
						04/01/2023 08:00	1011	-0.93	10.3
						04/01/2023 09:00	1012	0.00	10.3
						04/01/2023 10:00	1013	0.00	10.2
						04/01/2023 11:00	1013	-0.27	10.6
						04/01/2023 12:00	1013	-0.12	10.7
						04/01/2023 13:00	1013	0.06	10.3
						04/01/2023 14:00	1014	-1.87	10.5
						04/01/2023 15:00	1014	0.47	10.4
						04/01/2023 16:00	1015	0.00	10.3
						04/01/2023 17:00	1015	-0.35	10.2
						04/01/2023 18:00	1016	0.00	10.2



GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
						04/01/2023 19:00	1016	0.00	10.1
						04/01/2023 20:00	1016	0.00	10.0
						04/01/2023 21:00	1016	-0.76	9.8
						04/01/2023 22:00	1017	-0.29	9.9
						04/01/2023 23:00	1017	0.00	9.9
						05/01/2023 00:00	1017	0.00	9.8
						05/01/2023 01:00	1017	0.00	9.7
						05/01/2023 02:00	1017	0.00	9.6
						05/01/2023 03:00	1017	0.00	9.6
						05/01/2023 04:00	1017	0.00	9.6
						05/01/2023 05:00	1017	0.00	9.6
						05/01/2023 06:00	1017	0.00	9.8
						05/01/2023 07:00	1016	-0.47	9.8
						05/01/2023 08:00	1016	0.00	9.9
						05/01/2023 09:00	1016	0.00	9.9
						05/01/2023 10:00	1017	0.00	10.0
						05/01/2023 11:00	1017	0.00	10.0
						05/01/2023 12:00	1016	-0.35	10.2
						05/01/2023 13:00	1015	0.00	10.4
						05/01/2023 14:00	1014	-0.82	10.5
						05/01/2023 15:00	1013	0.82	10.4
						05/01/2023 16:00	1013	0.00	10.3
						05/01/2023 17:00	1012	0.58	10.1
						05/01/2023 18:00	1011	-0.35	10.0
						05/01/2023 19:00	1011	0.99	10.0
						05/01/2023 20:00	1010	-2.10	9.9
						05/01/2023 21:00	1008	0.00	9.9
						05/01/2023 22:00	1010	0.00	9.0
						05/01/2023 23:00	1010	0.00	8.3
						06/01/2023 00:00	1011	0.00	7.6
						06/01/2023 01:00	1011	0.00	7.4
						06/01/2023 02:00	1011	0.00	6.9
						06/01/2023 03:00	1011	0.00	7.0
						06/01/2023 04:00	1012	0.00	6.7
						06/01/2023 05:00	1012	0.00	6.5
						06/01/2023 06:00	1011	0.00	6.5
						06/01/2023 07:00	1011	0.00	6.7
						06/01/2023 08:00	1011	0.00	7.1
						06/01/2023 09:00	1011	0.00	7.3
						06/01/2023 10:00	1011	0.00	7.6
						06/01/2023 11:00	1011	0.00	8.2
						06/01/2023 12:00	1010	0.00	8.4
						06/01/2023 13:00	1009	0.00	8.8
						06/01/2023 14:00	1008	0.00	8.7
						06/01/2023 15:00	1007	0.00	9.1
						06/01/2023 16:00	1006	0.00	8.8
						06/01/2023 17:00	1005	0.00	8.9
						06/01/2023 18:00	1004	0.00	9.2
						06/01/2023 19:00	1004	-0.29	9.3
						06/01/2023 20:00	1003	0.00	9.5
						06/01/2023 21:00	1002	-1.40	9.6
						06/01/2023 22:00	1002	-0.35	9.7
						06/01/2023 23:00	1001	-2.10	9.7
						07/01/2023 00:00	1000	-1.04	9.8
						07/01/2023 01:00	999	0.00	9.4
						07/01/2023 02:00	997	-0.41	9.4
						07/01/2023 03:00	996	-2.62	9.5
						07/01/2023 04:00	994	-0.81	9.5
						07/01/2023 05:00	993	0.00	9.5
						07/01/2023 06:00	993	-1.34	9.4
						07/01/2023 07:00	991	0.00	9.4
						07/01/2023 08:00	992	0.00	9.4
						07/01/2023 09:00	992	0.00	9.0
						07/01/2023 10:00	992	0.00	8.8
						07/01/2023 11:00	992	0.00	9.0
						07/01/2023 12:00	991	0.00	9.1
						07/01/2023 13:00	990	-0.70	9.3
						07/01/2023 14:00	990	0.00	9.2
						07/01/2023 15:00	989	-0.35	8.4
						07/01/2023 16:00	991	-0.29	7.8
						07/01/2023 17:00	990	-0.17	7.2
						07/01/2023 18:00	991	0.76	7.4
						07/01/2023 19:00	991	0.35	7.5
						07/01/2023 20:00	991	0.00	7.5
						07/01/2023 21:00	991	0.00	7.6
						07/01/2023 22:00	991	0.00	7.3
						07/01/2023 23:00	991	0.00	7.1
						08/01/2023 00:00	991	0.00	7.0
						08/01/2023 01:00	991	0.00	7.1
						08/01/2023 02:00	990	0.00	6.6
						08/01/2023 03:00	990	0.00	6.1
						08/01/2023 04:00	990	0.00	6.3
						08/01/2023 05:00	990	0.00	5.8
						08/01/2023 06:00	989	0.00	5.7
						08/01/2023 07:00	988	-0.40	5.7

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
						08/01/2023 08:00	987	-0.29	5.9
						08/01/2023 09:00	986	-0.12	6.0
						08/01/2023 10:00	986	0.00	6.0
						08/01/2023 11:00	985	0.00	6.4
						08/01/2023 12:00	985	0.00	6.3
						08/01/2023 13:00	985	0.00	6.6
						08/01/2023 14:00	985	0.00	6.0
						08/01/2023 15:00	985	0.00	5.7
						08/01/2023 16:00	985	0.00	5.3
						08/01/2023 17:00	985	0.58	5.6
						08/01/2023 18:00	984	0.00	5.6
						08/01/2023 19:00	983	0.00	5.7
						08/01/2023 20:00	983	0.00	5.7
						08/01/2023 21:00	986	0.00	5.5
						08/01/2023 22:00	987	0.00	4.8
						08/01/2023 23:00	988	0.00	4.5
						09/01/2023 00:00	989	0.00	4.5
						09/01/2023 01:00	990	0.00	4.6
						09/01/2023 02:00	991	0.00	4.5
						09/01/2023 03:00	992	0.00	4.4
						09/01/2023 04:00	992	-0.35	4.4
						09/01/2023 05:00	993	-1.11	4.8
						09/01/2023 06:00	994	-0.35	4.9
						09/01/2023 07:00	995	0.00	4.9
						09/01/2023 08:00	997	0.41	4.7
						09/01/2023 09:00	999	0.47	4.5
						09/01/2023 10:00	1000	-0.35	4.6
						09/01/2023 11:00	1002	0.00	5.1
						09/01/2023 12:00	1003	0.00	6.0
						09/01/2023 13:00	1004	-0.17	6.9
						09/01/2023 14:00	1005	0.00	7.1
						09/01/2023 15:00	1006	0.00	6.8
						09/01/2023 16:00	1007	0.00	6.4
						09/01/2023 17:00	1008	0.00	5.7
						09/01/2023 18:00	1008	0.41	5.3
						09/01/2023 19:00	1009	0.00	5.1
						09/01/2023 20:00	1010	0.00	4.9
						09/01/2023 21:00	1011	0.00	4.4
						09/01/2023 22:00	1011	0.00	3.7
						09/01/2023 23:00	1011	0.00	2.8
						10/01/2023 00:00	1011	0.00	2.1
						10/01/2023 01:00	1011	0.00	1.9
						10/01/2023 02:00	1010	0.00	2.3
						10/01/2023 03:00	1009	-0.35	3.5
						10/01/2023 04:00	1008	0.00	4.3
						10/01/2023 05:00	1007	0.41	4.8
						10/01/2023 06:00	1005	1.07	5.0
						10/01/2023 07:00	1004	0.00	5.4
						10/01/2023 08:00	1003	0.00	6.1
						10/01/2023 09:00	1002	-0.70	7.1
						10/01/2023 10:00	1002	0.00	8.1
						10/01/2023 11:00	1002	0.00	8.7



Experts in Continuous Monitoring

Time Series Data

Project Ref:	GG3151
Project Name:	Coed Darcy Landfill, Llandarcy
Borehole ref:	ENBH08
Instrument Name and ID:	GasClam 000050/06/18, Flow Device 03020024
Start Date:	08/12/2022 10:52
End Date:	10/01/2023 10:52
Days of monitoring:	33
Monitoring Frequency (mins):	90 for Gas Clam, 60 for LL and BL
Total samples taken:	529



Summary Table

	CH ₄	CO ₂	O ₂	CO	H ₂ S		Atmospheric Pressure	Flow	Temperature
Minimum	1.8	5.4	14.9	0	0		983	-0.17	-6.9
Maximum	9.1	8.6	17.3	1	0		1020	1.63	10.7
Range	7.3	3.2	2.4	1	0		37	1.80	17.6

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
08/12/2022 10:52	2.4	5.4	15.5	0	0	08/12/2022 11:00	1010	0.04	2.5
08/12/2022 12:22	2.4	5.6	15.5	0	0	08/12/2022 12:00	1009	0.10	3.2
08/12/2022 13:52	2.5	5.6	15.5	0	0	08/12/2022 13:00	1009	0.06	3.6
08/12/2022 15:22	2.5	5.6	15.5	0	0	08/12/2022 14:00	1008	0.07	3.4
08/12/2022 16:52	2.4	5.4	15.6	0	0	08/12/2022 15:00	1008	0.03	3.9
08/12/2022 18:22	2.5	5.6	15.6	0	0	08/12/2022 16:00	1008	0.02	3.5
08/12/2022 19:52	2.6	5.6	15.6	0	0	08/12/2022 17:00	1008	0.00	2.9
08/12/2022 21:22	2.4	5.6	15.5	0	0	08/12/2022 18:00	1008	0.00	2.6
08/12/2022 22:52	2.5	5.7	15.5	0	0	08/12/2022 19:00	1008	0.00	1.9
09/12/2022 00:22	2.5	5.8	15.5	0	0	08/12/2022 20:00	1008	0.00	1.0
09/12/2022 01:52	2.4	5.8	15.5	0	0	08/12/2022 21:00	1008	0.00	0.2
09/12/2022 03:22	2.6	5.8	15.5	0	0	08/12/2022 22:00	1009	0.00	-0.6
09/12/2022 04:52	2.5	5.8	15.5	0	0	08/12/2022 23:00	1008	0.00	-1.2
09/12/2022 06:22	2.4	5.8	15.5	0	0	09/12/2022 00:00	1008	-0.01	-1.8
09/12/2022 07:52	2.6	6.0	15.5	0	0	09/12/2022 01:00	1008	0.00	-2.3
09/12/2022 09:22	2.4	6.0	15.5	0	0	09/12/2022 02:00	1008	-0.01	-2.7
09/12/2022 10:52	2.4	6.0	15.5	0	0	09/12/2022 03:00	1008	-0.01	-2.9
09/12/2022 12:22	2.4	6.0	15.5	0	0	09/12/2022 04:00	1008	0.00	-3.3
09/12/2022 13:52	2.4	6.1	15.5	0	0	09/12/2022 05:00	1008	0.00	-3.6
09/12/2022 15:22	2.4	6.0	15.5	0	0	09/12/2022 06:00	1008	0.00	-3.8
09/12/2022 16:52	2.4	6.1	15.5	0	0	09/12/2022 07:00	1008	-0.02	-3.9
09/12/2022 18:22	2.4	6.1	15.5	0	0	09/12/2022 08:00	1008	0.00	-4.0
09/12/2022 19:52	2.5	6.1	15.5	0	0	09/12/2022 09:00	1008	-0.04	-3.9
09/12/2022 21:22	2.4	6.1	15.5	0	0	09/12/2022 10:00	1008	-0.02	-3.4
09/12/2022 22:52	2.4	6.2	15.5	0	0	09/12/2022 11:00	1008	0.01	-2.9
10/12/2022 00:22	2.4	6.1	15.5	0	0	09/12/2022 12:00	1008	0.01	-2.2
10/12/2022 01:52	2.3	6.2	15.5	0	0	09/12/2022 13:00	1007	0.03	-1.5
10/12/2022 03:22	2.4	6.2	15.5	0	0	09/12/2022 14:00	1007	0.02	-1.1
10/12/2022 04:52	2.4	6.2	15.5	0	0	09/12/2022 15:00	1007	0.00	-0.7
10/12/2022 06:22	2.5	6.2	15.5	0	0	09/12/2022 16:00	1008	-0.03	-0.9
10/12/2022 07:52	2.3	6.4	15.5	0	0	09/12/2022 17:00	1008	0.00	-1.7
10/12/2022 09:22	2.4	6.4	15.5	0	0	09/12/2022 18:00	1008	-0.01	-2.3
10/12/2022 10:52	2.3	6.4	15.5	0	0	09/12/2022 19:00	1008	-0.01	-2.4
10/12/2022 12:22	2.4	6.4	15.5	0	0	09/12/2022 20:00	1008	0.00	-2.8
10/12/2022 13:52	2.3	6.5	15.5	0	0	09/12/2022 21:00	1008	-0.04	-3.2
10/12/2022 15:22	2.3	6.4	15.6	0	0	09/12/2022 22:00	1009	-0.04	-3.3
10/12/2022 16:52	2.4	6.5	15.6	0	0	09/12/2022 23:00	1009	-0.05	-3.3
10/12/2022 18:22	2.4	6.4	15.6	0	0	10/12/2022 00:00	1008	0.01	-3.5
10/12/2022 19:52	2.3	6.5	15.6	0	0	10/12/2022 01:00	1008	-0.01	-3.8
10/12/2022 21:22	2.3	6.6	15.6	0	0	10/12/2022 02:00	1008	0.00	-3.9
10/12/2022 22:52	2.3	6.6	15.6	0	0	10/12/2022 03:00	1008	0.00	-4.2
11/12/2022 00:22	2.2	6.5	15.6	0	0	10/12/2022 04:00	1008	0.00	-4.2
11/12/2022 01:52	2.4	6.6	15.6	0	0	10/12/2022 05:00	1008	-0.01	-4.4
11/12/2022 03:22	2.3	6.6	15.6	0	0	10/12/2022 06:00	1008	0.00	-4.6
11/12/2022 04:52	2.3	6.6	15.6	0	0	10/12/2022 07:00	1008	0.00	-4.7
11/12/2022 06:22	2.3	6.6	15.6	0	0	10/12/2022 08:00	1008	-0.01	-4.9
11/12/2022 07:52	2.3	6.6	15.6	0	0	10/12/2022 09:00	1008	-0.03	-4.8
11/12/2022 09:22	2.3	6.6	15.6	0	0	10/12/2022 10:00	1008	-0.03	-4.5
11/12/2022 10:52	2.2	6.8	15.6	0	0	10/12/2022 11:00	1008	0.00	-3.8
11/12/2022 12:22	2.3	6.6	15.6	0	0	10/12/2022 12:00	1008	0.04	-2.3
11/12/2022 13:52	2.3	6.7	15.6	0	0	10/12/2022 13:00	1007	0.03	-1.2
11/12/2022 15:22	2.3	6.8	15.6	0	0	10/12/2022 14:00	1007	0.04	-0.1
11/12/2022 16:52	2.3	6.7	15.6	0	0	10/12/2022 15:00	1007	0.00	-0.2
11/12/2022 18:22	2.4	6.7	15.6	0	0	10/12/2022 16:00	1007	0.00	-0.3
11/12/2022 19:52	2.3	6.7	15.6	0	0	10/12/2022 17:00	1007	0.00	-0.5
11/12/2022 21:22	2.3	6.9	15.6	0	0	10/12/2022 18:00	1007	0.00	-1.2
11/12/2022 22:52	2.4	6.9	15.5	0	0	10/12/2022 19:00	1007	-0.01	-1.5
12/12/2022 00:22	2.4	6.9	15.5	0	0	10/12/2022 20:00	1007	0.00	-1.7
12/12/2022 01:52	2.5	6.9	15.5	0	0	10/12/2022 21:00	1007	0.00	-2.2
12/12/2022 03:22	2.4	7.1	15.5	0	0	10/12/2022 22:00	1007	0.00	-2.3
12/12/2022 04:52	2.5	7.0	15.5	0	0	10/12/2022 23:00	1006	0.00	-2.0

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
12/12/2022 06:22	2.4	7.0	15.4	0	0	11/12/2022 00:00	1007	0.00	-1.8
12/12/2022 07:52	2.4	7.1	15.5	0	0	11/12/2022 01:00	1006	0.00	-1.7
12/12/2022 09:22	2.4	7.1	15.4	0	0	11/12/2022 02:00	1006	0.00	-2.0
12/12/2022 10:52	2.3	7.3	15.4	0	0	11/12/2022 03:00	1006	0.00	-1.6
12/12/2022 12:22	2.5	7.1	15.4	0	0	11/12/2022 04:00	1005	0.00	-1.9
12/12/2022 13:52	2.3	7.1	15.4	0	0	11/12/2022 05:00	1005	0.00	-1.7
12/12/2022 15:22	2.2	7.0	15.4	0	0	11/12/2022 06:00	1005	0.00	-1.4
12/12/2022 16:52	2.4	7.1	15.4	0	0	11/12/2022 07:00	1005	0.00	-1.3
12/12/2022 18:22	2.4	7.1	15.4	0	0	11/12/2022 08:00	1005	0.00	-1.3
12/12/2022 19:52	2.4	7.1	15.4	0	0	11/12/2022 09:00	1005	0.00	-1.6
12/12/2022 21:22	2.4	7.3	15.4	0	0	11/12/2022 10:00	1005	0.00	-1.7
12/12/2022 22:52	2.4	7.3	15.4	0	0	11/12/2022 11:00	1005	0.00	-1.3
13/12/2022 00:22	2.5	7.3	15.4	0	0	11/12/2022 12:00	1005	0.00	-0.8
13/12/2022 01:52	2.4	7.4	15.4	0	0	11/12/2022 13:00	1005	0.00	-0.5
13/12/2022 03:22	2.3	7.3	15.4	0	0	11/12/2022 14:00	1005	0.00	-0.3
13/12/2022 04:52	2.4	7.3	15.4	0	0	11/12/2022 15:00	1005	0.00	0.0
13/12/2022 06:22	2.4	7.4	15.4	0	0	11/12/2022 16:00	1005	0.00	0.3
13/12/2022 07:52	2.4	7.4	15.4	0	0	11/12/2022 17:00	1006	0.00	0.3
13/12/2022 09:22	2.4	7.4	15.4	0	0	11/12/2022 18:00	1006	0.00	-0.5
13/12/2022 10:52	2.4	7.4	15.4	0	0	11/12/2022 19:00	1006	0.00	-1.0
13/12/2022 12:22	2.4	7.4	15.4	0	0	11/12/2022 20:00	1006	0.00	-1.0
13/12/2022 13:52	2.4	7.3	15.4	0	0	11/12/2022 21:00	1007	0.00	-1.4
13/12/2022 15:22	2.4	7.4	15.4	0	0	11/12/2022 22:00	1007	0.00	-2.2
13/12/2022 16:52	2.4	7.3	15.5	0	0	11/12/2022 23:00	1007	0.00	-2.8
13/12/2022 18:22	2.3	7.4	15.5	0	0	12/12/2022 00:00	1007	0.00	-3.1
13/12/2022 19:52	2.4	7.4	15.4	0	0	12/12/2022 01:00	1007	0.00	-3.4
13/12/2022 21:22	2.3	7.5	15.5	0	0	12/12/2022 02:00	1008	0.00	-3.7
13/12/2022 22:52	2.3	7.5	15.4	0	0	12/12/2022 03:00	1008	0.00	-3.8
14/12/2022 00:22	2.4	7.4	15.4	0	0	12/12/2022 04:00	1008	0.00	-4.2
14/12/2022 01:52	2.4	7.5	15.4	0	0	12/12/2022 05:00	1007	0.00	-4.4
14/12/2022 03:22	2.4	7.5	15.4	0	0	12/12/2022 06:00	1007	0.00	-4.6
14/12/2022 04:52	2.4	7.5	15.4	0	0	12/12/2022 07:00	1007	0.00	-4.9
14/12/2022 06:22	2.4	7.5	15.4	0	0	12/12/2022 08:00	1007	0.00	-5.1
14/12/2022 07:52	2.4	7.7	15.3	0	0	12/12/2022 09:00	1007	0.00	-5.2
14/12/2022 09:22	2.4	7.5	15.3	0	0	12/12/2022 10:00	1007	0.00	-4.8
14/12/2022 10:52	2.5	7.7	15.3	0	0	12/12/2022 11:00	1007	0.00	-4.0
14/12/2022 12:22	2.5	7.8	15.3	0	0	12/12/2022 12:00	1006	0.00	-3.4
14/12/2022 13:52	2.5	7.7	15.3	0	0	12/12/2022 13:00	1006	0.00	-3.0
14/12/2022 15:22	2.5	7.7	15.3	0	0	12/12/2022 14:00	1006	0.00	-2.6
14/12/2022 16:52	2.5	7.8	15.2	0	0	12/12/2022 15:00	1006	0.00	-2.8
14/12/2022 18:22	2.5	7.8	15.2	0	0	12/12/2022 16:00	1006	0.00	-2.5
14/12/2022 19:52	2.5	7.8	15.2	0	0	12/12/2022 17:00	1006	0.00	-2.2
14/12/2022 21:22	2.5	7.9	15.2	0	0	12/12/2022 18:00	1006	0.00	-1.9
14/12/2022 22:52	2.5	7.9	15.1	0	0	12/12/2022 19:00	1006	0.00	-1.8
15/12/2022 00:22	2.7	7.9	15.1	0	0	12/12/2022 20:00	1006	0.00	-2.3
15/12/2022 01:52	2.5	8.1	15.1	0	0	12/12/2022 21:00	1006	0.00	-2.7
15/12/2022 03:22	2.6	7.9	15.1	0	0	12/12/2022 22:00	1006	0.00	-3.3
15/12/2022 04:52	2.5	7.9	15.1	0	0	12/12/2022 23:00	1006	0.00	-3.4
15/12/2022 06:22	2.5	7.9	15.1	0	0	13/12/2022 00:00	1006	0.00	-3.1
15/12/2022 07:52	2.6	8.1	15.1	0	0	13/12/2022 01:00	1006	0.00	-2.6
15/12/2022 09:22	2.6	8.1	15.1	0	0	13/12/2022 02:00	1006	0.00	-2.4
15/12/2022 10:52	2.8	8.1	15.0	0	0	13/12/2022 03:00	1006	0.00	-2.2
15/12/2022 12:22	2.7	8.1	15.0	0	0	13/12/2022 04:00	1006	0.00	-2.3
15/12/2022 13:52	2.6	8.1	15.0	0	0	13/12/2022 05:00	1005	0.00	-2.4
15/12/2022 15:22	2.5	8.1	15.1	0	0	13/12/2022 06:00	1005	0.00	-2.3
15/12/2022 16:52	2.7	8.2	15.1	0	0	13/12/2022 07:00	1005	0.00	-2.4
15/12/2022 18:22	2.6	8.1	15.0	0	0	13/12/2022 08:00	1005	0.00	-1.9
15/12/2022 19:52	2.6	8.2	15.0	0	0	13/12/2022 09:00	1005	0.00	-1.5
15/12/2022 21:22	2.6	8.2	15.0	0	0	13/12/2022 10:00	1005	0.00	-1.1
15/12/2022 22:52	2.6	8.3	15.0	0	0	13/12/2022 11:00	1005	0.00	-0.5
16/12/2022 00:22	2.6	8.3	15.0	0	0	13/12/2022 12:00	1004	0.00	0.1
16/12/2022 01:52	2.6	8.3	14.9	0	0	13/12/2022 13:00	1004	0.00	0.9
16/12/2022 03:22	2.8	8.3	14.9	0	0	13/12/2022 14:00	1003	0.00	1.2
16/12/2022 04:52	2.7	8.3	14.9	0	0	13/12/2022 15:00	1003	0.00	0.9
16/12/2022 06:22	2.7	8.3	14.9	0	0	13/12/2022 16:00	1003	0.00	0.7
16/12/2022 07:52	2.6	8.3	14.9	0	0	13/12/2022 17:00	1002	0.00	0.5
16/12/2022 09:22	2.7	8.5	14.9	0	0	13/12/2022 18:00	1002	0.00	0.4
16/12/2022 10:52	2.7	8.3	14.9	0	0	13/12/2022 19:00	1002	0.00	0.2
16/12/2022 12:22	2.7	8.5	14.9	0	0	13/12/2022 20:00	1002	0.00	0.1
16/12/2022 13:52	2.7	8.5	14.9	0	0	13/12/2022 21:00	1002	0.00	-0.1
16/12/2022 15:22	2.7	8.5	14.9	0	0	13/12/2022 22:00	1002	0.00	-0.2
16/12/2022 16:52	2.6	8.3	14.9	0	0	13/12/2022 23:00	1002	0.00	-0.4
16/12/2022 18:22	2.6	8.5	14.9	0	0	14/12/2022 00:00	1002	0.00	-0.6
16/12/2022 19:52	2.6	8.5	14.9	0	0	14/12/2022 01:00	1002	0.00	-0.8
16/12/2022 21:22	2.6	8.5	14.9	0	0	14/12/2022 02:00	1002	0.00	-1.1
16/12/2022 22:52	2.5	8.5	14.9	0	0	14/12/2022 03:00	1003	0.00	-1.2
17/12/2022 00:22	2.7	8.5	14.9	0	0	14/12/2022 04:00	1003	0.00	-1.6
17/12/2022 01:52	2.7	8.3	14.9	0	0	14/12/2022 05:00	1003	0.00	-1.9
17/12/2022 03:22	2.7	8.5	14.9	0	0	14/12/2022 06:00	1003	0.00	-2.2
17/12/2022 04:52	2.6	8.5	14.9	0	0	14/12/2022 07:00	1003	0.00	-2.6
17/12/2022 06:22	2.6	8.5	15.0	0	0	14/12/2022 08:00	1004	0.00	-2.8
17/12/2022 07:52	2.6	8.5	15.0	0	0	14/12/2022 09:00	1005	0.00	-3.1
17/12/2022 09:22	2.7	8.5	15.0	0	0	14/12/2022 10:00	1005	0.00	-3.1
17/12/2022 10:52	2.6	8.5	15.0	0	0	14/12/2022 11:00	1006	0.00	-2.2
17/12/2022 12:22	2.7	8.3	15.0	0	0	14/12/2022 12:00	1005	0.00	-1.5

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
17/12/2022 13:52	2.5	8.6	15.0	0	0	14/12/2022 13:00	1006	0.00	-0.9
17/12/2022 15:22	2.5	8.6	15.0	0	0	14/12/2022 14:00	1006	0.00	-0.5
17/12/2022 16:52	2.5	8.5	15.0	0	0	14/12/2022 15:00	1006	0.00	-0.8
17/12/2022 18:22	2.5	8.5	15.0	0	0	14/12/2022 16:00	1007	0.00	-1.2
17/12/2022 19:52	2.6	8.6	15.0	0	0	14/12/2022 17:00	1007	0.00	-2.0
17/12/2022 21:22	2.5	8.5	15.0	0	0	14/12/2022 18:00	1008	0.00	-2.6
17/12/2022 22:52	2.5	8.6	15.0	0	0	14/12/2022 19:00	1008	0.00	-3.1
18/12/2022 00:22	2.5	8.6	15.0	0	0	14/12/2022 20:00	1008	0.00	-3.7
18/12/2022 01:52	2.6	8.6	15.0	0	0	14/12/2022 21:00	1008	0.00	-3.5
18/12/2022 03:22	2.5	8.5	15.0	0	0	14/12/2022 22:00	1009	0.00	-3.7
18/12/2022 04:52	2.4	8.5	15.0	0	0	14/12/2022 23:00	1009	0.00	-4.4
18/12/2022 06:22	2.4	8.6	15.0	0	0	15/12/2022 00:00	1009	0.00	-4.9
18/12/2022 07:52	2.5	8.5	15.0	0	0	15/12/2022 01:00	1010	0.00	-5.5
18/12/2022 09:22	2.5	8.5	15.0	0	0	15/12/2022 02:00	1010	0.00	-5.8
18/12/2022 10:52	2.4	8.5	15.0	0	0	15/12/2022 03:00	1010	0.00	-6.1
18/12/2022 12:22	2.4	8.3	15.0	0	0	15/12/2022 04:00	1010	0.00	-6.2
18/12/2022 13:52	2.2	8.3	15.0	0	0	15/12/2022 05:00	1010	0.00	-6.3
18/12/2022 15:22	2.3	8.3	15.1	0	0	15/12/2022 06:00	1010	0.00	-6.4
18/12/2022 16:52	2.4	8.3	15.1	0	0	15/12/2022 07:00	1010	0.00	-6.5
18/12/2022 18:22	2.3	8.3	15.1	0	0	15/12/2022 08:00	1010	0.00	-6.8
18/12/2022 19:52	2.6	8.3	15.2	0	0	15/12/2022 09:00	1011	0.00	-6.9
18/12/2022 21:22	2.5	8.5	15.2	0	0	15/12/2022 10:00	1011	0.00	-6.6
18/12/2022 22:52	2.5	8.3	15.2	0	0	15/12/2022 11:00	1012	0.00	-5.6
19/12/2022 00:22	2.4	8.3	15.2	0	0	15/12/2022 12:00	1011	0.00	-4.4
19/12/2022 01:52	2.4	8.2	15.2	0	0	15/12/2022 13:00	1011	0.00	-3.2
19/12/2022 03:22	2.5	8.3	15.2	0	0	15/12/2022 14:00	1011	0.00	-2.3
19/12/2022 04:52	2.3	8.3	15.3	0	0	15/12/2022 15:00	1011	0.00	-1.4
19/12/2022 06:22	2.5	8.2	15.3	0	0	15/12/2022 16:00	1011	0.00	-1.1
19/12/2022 07:52	2.4	8.2	15.3	0	0	15/12/2022 17:00	1012	0.00	-2.0
19/12/2022 09:22	2.4	8.2	15.3	0	0	15/12/2022 18:00	1012	0.00	-2.7
19/12/2022 10:52	2.4	8.2	15.4	0	0	15/12/2022 19:00	1013	0.00	-3.5
19/12/2022 12:22	2.4	8.3	15.4	0	0	15/12/2022 20:00	1013	0.00	-3.9
19/12/2022 13:52	2.3	8.2	15.4	0	0	15/12/2022 21:00	1014	0.00	-4.1
19/12/2022 15:22	2.4	8.2	15.4	0	0	15/12/2022 22:00	1014	0.00	-4.6
19/12/2022 16:52	2.4	8.2	15.4	0	0	15/12/2022 23:00	1015	0.00	-5.1
19/12/2022 18:22	2.4	8.2	15.4	0	0	16/12/2022 00:00	1015	0.00	-5.3
19/12/2022 19:52	2.4	8.2	15.4	0	0	16/12/2022 01:00	1015	0.00	-5.4
19/12/2022 21:22	2.5	8.2	15.4	0	0	16/12/2022 02:00	1015	0.00	-5.5
19/12/2022 22:52	2.4	8.2	15.5	0	0	16/12/2022 03:00	1016	0.00	-5.5
20/12/2022 00:22	2.4	8.2	15.4	0	0	16/12/2022 04:00	1016	0.00	-5.7
20/12/2022 01:52	2.3	8.3	15.5	0	0	16/12/2022 05:00	1016	0.00	-5.9
20/12/2022 03:22	2.4	8.3	15.4	0	0	16/12/2022 06:00	1016	0.00	-6.1
20/12/2022 04:52	2.5	8.3	15.4	0	0	16/12/2022 07:00	1016	0.00	-6.1
20/12/2022 06:22	2.5	8.3	15.4	0	0	16/12/2022 08:00	1017	0.00	-6.4
20/12/2022 07:52	2.3	8.3	15.4	0	0	16/12/2022 09:00	1017	0.00	-6.4
20/12/2022 09:22	2.4	8.3	15.4	0	0	16/12/2022 10:00	1018	0.00	-5.7
20/12/2022 10:52	2.5	8.5	15.3	0	0	16/12/2022 11:00	1018	0.00	-5.0
20/12/2022 12:22	2.4	8.3	15.3	0	0	16/12/2022 12:00	1017	0.00	-3.9
20/12/2022 13:52	2.4	8.3	15.4	0	0	16/12/2022 13:00	1017	0.00	-3.0
20/12/2022 15:22	2.4	8.3	15.4	0	0	16/12/2022 14:00	1017	0.00	-2.2
20/12/2022 16:52	2.4	8.3	15.4	0	0	16/12/2022 15:00	1017	0.00	-1.6
20/12/2022 18:22	2.4	8.3	15.4	0	0	16/12/2022 16:00	1017	0.00	-1.7
20/12/2022 19:52	2.4	8.3	15.4	0	0	16/12/2022 17:00	1017	0.00	-2.1
20/12/2022 21:22	2.3	8.3	15.5	0	0	16/12/2022 18:00	1017	0.00	-1.9
20/12/2022 22:52	2.5	8.5	15.5	0	0	16/12/2022 19:00	1017	0.00	-1.5
21/12/2022 00:22	2.4	8.3	15.5	0	0	16/12/2022 20:00	1017	0.00	-1.4
21/12/2022 01:52	2.4	8.2	15.5	0	0	16/12/2022 21:00	1018	0.00	-1.1
21/12/2022 03:22	2.2	8.3	15.5	0	0	16/12/2022 22:00	1018	0.00	-0.9
21/12/2022 04:52	2.4	8.3	15.5	0	0	16/12/2022 23:00	1018	0.00	-0.7
21/12/2022 06:22	2.3	8.3	15.5	0	0	17/12/2022 00:00	1018	0.00	-0.3
21/12/2022 07:52	2.4	8.3	15.6	0	0	17/12/2022 01:00	1017	0.01	0.2
21/12/2022 09:22	2.3	8.3	15.6	0	0	17/12/2022 02:00	1017	0.00	0.4
21/12/2022 10:52	2.4	8.3	15.6	0	0	17/12/2022 03:00	1017	0.00	0.3
21/12/2022 12:22	2.2	8.3	15.6	0	0	17/12/2022 04:00	1017	0.00	0.7
21/12/2022 13:52	2.4	8.3	15.6	0	0	17/12/2022 05:00	1017	0.00	1.1
21/12/2022 15:22	2.3	8.3	15.6	0	0	17/12/2022 06:00	1017	0.00	1.3
21/12/2022 16:52	2.4	8.3	15.6	0	0	17/12/2022 07:00	1017	0.00	1.3
21/12/2022 18:22	2.3	8.3	15.6	0	0	17/12/2022 08:00	1017	0.00	1.4
21/12/2022 19:52	2.4	8.3	15.6	0	0	17/12/2022 09:00	1017	0.00	1.6
21/12/2022 21:22	2.2	8.3	15.6	0	0	17/12/2022 10:00	1018	0.00	2.1
21/12/2022 22:52	2.3	8.3	15.6	0	0	17/12/2022 11:00	1018	0.00	2.4
22/12/2022 00:22	2.3	8.3	15.6	0	0	17/12/2022 12:00	1017	0.00	2.8
22/12/2022 01:52	2.3	8.3	15.7	0	0	17/12/2022 13:00	1017	0.00	3.1
22/12/2022 03:22	2.3	8.5	15.7	0	0	17/12/2022 14:00	1017	0.00	3.3
22/12/2022 04:52	2.2	8.3	15.7	0	0	17/12/2022 15:00	1017	0.00	3.1
22/12/2022 06:22	2.3	8.3	15.7	0	0	17/12/2022 16:00	1017	0.00	2.5
22/12/2022 07:52	2.4	8.3	15.7	0	0	17/12/2022 17:00	1017	0.00	1.8
22/12/2022 09:22	2.1	8.2	15.7	0	0	17/12/2022 18:00	1017	0.00	2.0
22/12/2022 10:52	2.2	8.2	15.8	0	0	17/12/2022 19:00	1018	0.00	1.4
22/12/2022 12:22	2.2	8.3	15.8	0	0	17/12/2022 20:00	1018	0.00	0.8
22/12/2022 13:52	2.2	8.2	15.8	0	0	17/12/2022 21:00	1018	0.00	0.1
22/12/2022 15:22	2.2	8.3	15.8	0	0	17/12/2022 22:00	1017	0.00	-0.5
22/12/2022 16:52	2.2	8.3	15.9	0	0	17/12/2022 23:00	1017	0.00	-0.8
22/12/2022 18:22	2.3	8.2	15.9	0	0	18/12/2022 00:00	1016	0.00	-0.9
22/12/2022 19:52	2.1	8.2	15.9	0	0	18/12/2022 01:00	1016	0.00	-0.9

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
22/12/2022 21:22	2.2	8.2	16.0	0	0	18/12/2022 02:00	1015	0.00	-0.8
22/12/2022 22:52	2.2	8.1	16.0	0	0	18/12/2022 03:00	1015	0.00	-0.6
23/12/2022 00:22	2.2	8.1	15.9	1	0	18/12/2022 04:00	1013	0.00	-0.3
23/12/2022 01:52	2.1	8.2	16.0	0	0	18/12/2022 05:00	1013	-0.02	0.2
23/12/2022 03:22	2.2	8.2	16.0	0	0	18/12/2022 06:00	1012	0.00	0.5
23/12/2022 04:52	2.1	8.2	15.9	0	0	18/12/2022 07:00	1012	0.00	0.7
23/12/2022 06:22	2.1	8.1	15.9	0	0	18/12/2022 08:00	1010	0.01	0.9
23/12/2022 07:52	2.2	8.1	16.0	0	0	18/12/2022 09:00	1009	-0.02	1.1
23/12/2022 09:22	2.1	8.2	16.0	0	0	18/12/2022 10:00	1008	0.00	1.4
23/12/2022 10:52	2.2	8.1	16.0	0	0	18/12/2022 11:00	1007	0.00	1.8
23/12/2022 12:22	2.2	8.1	16.1	0	0	18/12/2022 12:00	1006	0.01	2.4
23/12/2022 13:52	2.1	8.1	16.1	0	0	18/12/2022 13:00	1004	0.01	3.0
23/12/2022 15:22	2.0	8.1	16.1	0	0	18/12/2022 14:00	1003	0.00	3.8
23/12/2022 16:52	2.1	8.2	16.1	0	0	18/12/2022 15:00	1002	0.01	4.9
23/12/2022 18:22	2.0	8.1	16.2	0	0	18/12/2022 16:00	1001	0.00	5.5
23/12/2022 19:52	2.1	8.1	16.2	0	0	18/12/2022 17:00	1001	0.00	6.0
23/12/2022 21:22	2.1	8.1	16.2	0	0	18/12/2022 18:00	1000	0.00	6.6
23/12/2022 22:52	2.1	7.9	16.2	0	0	18/12/2022 19:00	1000	0.00	7.0
24/12/2022 00:22	2.0	7.9	16.3	0	0	18/12/2022 20:00	1000	0.00	7.4
24/12/2022 01:52	2.0	7.9	16.3	0	0	18/12/2022 21:00	999	0.00	7.7
24/12/2022 03:22	2.0	7.9	16.3	0	0	18/12/2022 22:00	999	0.00	8.1
24/12/2022 04:52	1.9	8.1	16.3	0	0	18/12/2022 23:00	999	0.00	8.2
24/12/2022 06:22	2.1	7.9	16.3	0	0	19/12/2022 00:00	999	0.00	8.4
24/12/2022 07:52	2.0	8.1	16.3	0	0	19/12/2022 01:00	999	0.00	8.3
24/12/2022 09:22	2.1	7.9	16.3	0	0	19/12/2022 02:00	999	0.00	8.3
24/12/2022 10:52	2.2	8.1	16.3	0	0	19/12/2022 03:00	999	0.00	8.8
24/12/2022 12:22	2.1	7.9	16.3	0	0	19/12/2022 04:00	999	0.00	9.0
24/12/2022 13:52	2.0	7.9	16.3	0	0	19/12/2022 05:00	998	0.01	9.1
24/12/2022 15:22	2.1	7.9	16.3	0	0	19/12/2022 06:00	998	0.00	9.2
24/12/2022 16:52	2.0	7.9	16.3	0	0	19/12/2022 07:00	999	0.00	9.2
24/12/2022 18:22	2.1	8.1	16.3	0	0	19/12/2022 08:00	998	0.00	9.4
24/12/2022 19:52	2.0	8.1	16.4	0	0	19/12/2022 09:00	998	0.00	9.5
24/12/2022 21:22	2.0	7.9	16.4	0	0	19/12/2022 10:00	998	-0.01	9.6
24/12/2022 22:52	2.1	7.9	16.4	0	0	19/12/2022 11:00	997	0.00	9.7
25/12/2022 00:22	2.1	7.9	16.4	0	0	19/12/2022 12:00	997	0.01	9.9
25/12/2022 01:52	2.0	7.9	16.4	0	0	19/12/2022 13:00	998	-0.01	10.1
25/12/2022 03:22	2.0	7.9	16.4	0	0	19/12/2022 14:00	998	-0.02	10.3
25/12/2022 04:52	1.9	7.9	16.4	0	0	19/12/2022 15:00	998	0.00	10.3
25/12/2022 06:22	2.1	7.9	16.4	0	0	19/12/2022 16:00	999	0.00	10.1
25/12/2022 07:52	1.9	7.9	16.4	0	0	19/12/2022 17:00	999	0.00	9.8
25/12/2022 09:22	1.8	7.9	16.5	0	0	19/12/2022 18:00	999	0.00	9.7
25/12/2022 10:52	2.0	7.9	16.5	0	0	19/12/2022 19:00	999	0.00	9.4
25/12/2022 12:22	2.0	7.8	16.5	0	0	19/12/2022 20:00	999	0.00	9.2
25/12/2022 13:52	2.0	7.9	16.5	0	0	19/12/2022 21:00	999	0.00	9.0
25/12/2022 15:22	3.0	8.1	16.3	0	0	19/12/2022 22:00	999	0.00	8.8
25/12/2022 16:52	3.2	7.9	16.3	0	0	19/12/2022 23:00	999	0.00	8.5
25/12/2022 18:22	3.1	8.1	16.3	0	0	20/12/2022 00:00	999	0.00	8.3
25/12/2022 19:52	3.1	8.1	16.3	0	0	20/12/2022 01:00	1000	0.00	8.1
25/12/2022 21:22	3.1	7.9	16.3	0	0	20/12/2022 02:00	1000	0.00	7.6
25/12/2022 22:52	3.0	8.1	16.4	0	0	20/12/2022 03:00	1000	0.00	7.2
26/12/2022 00:22	3.1	7.9	16.4	0	0	20/12/2022 04:00	1001	0.00	6.4
26/12/2022 01:52	3.1	8.1	16.4	0	0	20/12/2022 05:00	1001	0.00	5.4
26/12/2022 03:22	3.0	7.8	16.5	0	0	20/12/2022 06:00	1002	0.00	4.6
26/12/2022 04:52	2.9	7.9	16.5	0	0	20/12/2022 07:00	1002	0.00	4.6
26/12/2022 06:22	2.9	7.9	16.5	0	0	20/12/2022 08:00	1003	0.00	4.7
26/12/2022 07:52	3.1	7.9	16.5	0	0	20/12/2022 09:00	1004	0.00	4.6
26/12/2022 09:22	3.1	7.9	16.5	0	0	20/12/2022 10:00	1004	0.00	4.9
26/12/2022 10:52	3.0	7.9	16.5	0	0	20/12/2022 11:00	1004	0.01	5.9
26/12/2022 12:22	2.9	7.8	16.5	0	0	20/12/2022 12:00	1004	0.00	6.4
26/12/2022 13:52	2.9	7.9	16.5	0	0	20/12/2022 13:00	1004	0.00	7.2
26/12/2022 15:22	3.0	7.8	16.5	0	0	20/12/2022 14:00	1004	0.00	7.0
26/12/2022 16:52	2.9	7.9	16.6	0	0	20/12/2022 15:00	1004	0.00	7.0
26/12/2022 18:22	2.9	7.8	16.6	0	0	20/12/2022 16:00	1005	0.00	6.5
26/12/2022 19:52	2.8	7.9	16.6	0	0	20/12/2022 17:00	1005	0.00	5.7
26/12/2022 21:22	2.9	7.8	16.6	0	0	20/12/2022 18:00	1005	0.00	5.4
26/12/2022 22:52	3.0	7.8	16.6	0	0	20/12/2022 19:00	1005	-0.02	5.6
27/12/2022 00:22	2.8	7.9	16.5	0	0	20/12/2022 20:00	1005	0.00	5.6
27/12/2022 01:52	3.0	7.9	16.5	0	0	20/12/2022 21:00	1005	0.00	5.8
27/12/2022 03:22	2.8	7.9	16.5	0	0	20/12/2022 22:00	1005	0.00	5.9
27/12/2022 04:52	2.9	7.9	16.5	0	0	20/12/2022 23:00	1004	0.02	6.0
27/12/2022 06:22	3.0	8.1	16.5	0	0	21/12/2022 00:00	1004	0.04	6.2
27/12/2022 07:52	2.8	7.9	16.5	0	0	21/12/2022 01:00	1004	0.06	6.2
27/12/2022 09:22	2.8	8.1	16.5	0	0	21/12/2022 02:00	1003	0.04	6.4
27/12/2022 10:52	2.7	8.1	16.5	0	0	21/12/2022 03:00	1003	0.04	6.4
27/12/2022 12:22	3.0	8.1	16.5	0	0	21/12/2022 04:00	1003	0.04	6.3
27/12/2022 13:52	2.8	8.1	16.5	0	0	21/12/2022 05:00	1003	0.02	6.5
27/12/2022 15:22	2.7	7.9	16.5	0	0	21/12/2022 06:00	1002	0.01	6.5
27/12/2022 16:52	2.7	7.9	16.5	0	0	21/12/2022 07:00	1002	0.02	6.3
27/12/2022 18:22	2.8	7.9	16.5	0	0	21/12/2022 08:00	1002	-0.04	6.2
27/12/2022 19:52	2.8	7.9	16.5	0	0	21/12/2022 09:00	1002	0.00	5.6
27/12/2022 21:22	2.7	7.9	16.6	0	0	21/12/2022 10:00	1003	0.00	5.7
27/12/2022 22:52	2.8	7.9	16.6	0	0	21/12/2022 11:00	1003	0.00	5.6
28/12/2022 00:22	2.7	7.8	16.6	0	0	21/12/2022 12:00	1002	0.04	6.3
28/12/2022 01:52	2.6	7.8	16.6	0	0	21/12/2022 13:00	1002	0.06	6.5
28/12/2022 03:22	2.6	7.9	16.6	0	0	21/12/2022 14:00	1001	0.00	6.4

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
28/12/2022 04:52	2.8	7.8	16.6	0	0	21/12/2022 15:00	1001	0.04	6.1
28/12/2022 06:22	2.6	7.8	16.6	0	0	21/12/2022 16:00	1001	0.00	5.4
28/12/2022 07:52	2.7	7.8	16.6	0	0	21/12/2022 17:00	1001	0.03	4.5
28/12/2022 09:22	3.4	7.9	16.4	0	0	21/12/2022 18:00	1001	0.04	4.2
28/12/2022 10:52	3.4	7.9	16.4	0	0	21/12/2022 19:00	1001	0.00	4.0
28/12/2022 12:22	3.4	7.9	16.4	0	0	21/12/2022 20:00	1000	0.04	4.0
28/12/2022 13:52	4.2	8.1	16.3	0	0	21/12/2022 21:00	1001	0.00	4.2
28/12/2022 15:22	4.2	8.1	16.3	0	0	21/12/2022 22:00	1001	0.00	4.1
28/12/2022 16:52	4.1	7.9	16.3	0	0	21/12/2022 23:00	1001	0.00	4.1
28/12/2022 18:22	4.2	7.9	16.4	0	0	22/12/2022 00:00	1001	0.00	4.2
28/12/2022 19:52	4.7	8.1	16.2	0	0	22/12/2022 01:00	1000	0.01	4.4
28/12/2022 21:22	4.8	8.1	16.2	0	0	22/12/2022 02:00	1001	0.00	4.8
28/12/2022 22:52	4.8	7.9	16.2	0	0	22/12/2022 03:00	1000	0.00	5.2
29/12/2022 00:22	4.5	7.9	16.2	0	0	22/12/2022 04:00	1000	0.05	5.7
29/12/2022 01:52	4.6	7.9	16.3	0	0	22/12/2022 05:00	1000	0.00	6.0
29/12/2022 03:22	4.7	8.1	16.4	0	0	22/12/2022 06:00	999	0.05	6.4
29/12/2022 04:52	4.6	7.9	16.4	0	0	22/12/2022 07:00	999	0.04	6.8
29/12/2022 06:22	4.5	7.8	16.4	0	0	22/12/2022 08:00	999	0.00	7.1
29/12/2022 07:52	4.4	7.9	16.5	0	0	22/12/2022 09:00	999	0.00	7.4
29/12/2022 09:22	4.4	7.7	16.5	0	0	22/12/2022 10:00	999	0.00	8.0
29/12/2022 10:52	5.3	8.1	16.3	0	0	22/12/2022 11:00	999	0.00	8.4
29/12/2022 12:22	5.3	8.1	16.2	0	0	22/12/2022 12:00	998	0.00	8.8
29/12/2022 13:52	5.3	8.2	16.3	0	0	22/12/2022 13:00	998	0.01	9.2
29/12/2022 15:22	5.3	7.9	16.3	0	0	22/12/2022 14:00	998	0.02	9.3
29/12/2022 16:52	5.2	7.9	16.3	0	0	22/12/2022 15:00	999	-0.03	9.6
29/12/2022 18:22	5.3	7.9	16.3	0	0	22/12/2022 16:00	1000	-0.12	9.4
29/12/2022 19:52	5.2	7.9	16.3	0	0	22/12/2022 17:00	1001	-0.09	9.0
29/12/2022 21:22	5.2	7.9	16.3	0	0	22/12/2022 18:00	1001	-0.05	8.7
29/12/2022 22:52	5.3	7.9	16.3	0	0	22/12/2022 19:00	1002	-0.06	8.4
30/12/2022 00:22	5.2	7.9	16.3	0	0	22/12/2022 20:00	1002	-0.05	8.1
30/12/2022 01:52	6.0	8.2	16.1	0	0	22/12/2022 21:00	1002	0.03	7.9
30/12/2022 03:22	6.1	8.2	16.0	0	0	22/12/2022 22:00	1002	0.04	7.7
30/12/2022 04:52	6.1	8.2	16.0	0	0	22/12/2022 23:00	1003	0.03	7.6
30/12/2022 06:22	6.0	8.2	16.0	0	0	23/12/2022 00:00	1003	-0.03	7.4
30/12/2022 07:52	6.1	8.1	16.0	0	0	23/12/2022 01:00	1002	0.00	7.3
30/12/2022 09:22	6.0	8.1	16.0	0	0	23/12/2022 02:00	1001	0.01	7.2
30/12/2022 10:52	5.7	8.2	16.1	0	0	23/12/2022 03:00	1000	0.12	7.1
30/12/2022 12:22	6.0	7.9	16.2	0	0	23/12/2022 04:00	1000	0.11	7.1
30/12/2022 13:52	5.9	8.1	16.2	0	0	23/12/2022 05:00	998	0.15	7.0
30/12/2022 15:22	5.7	8.1	16.3	0	0	23/12/2022 06:00	997	0.10	6.9
30/12/2022 16:52	5.6	7.9	16.3	0	0	23/12/2022 07:00	995	0.06	7.1
30/12/2022 18:22	5.5	7.9	16.3	0	0	23/12/2022 08:00	995	0.12	7.2
30/12/2022 19:52	5.5	7.9	16.4	0	0	23/12/2022 09:00	995	0.00	7.4
30/12/2022 21:22	5.5	7.8	16.4	0	0	23/12/2022 10:00	995	-0.02	8.2
30/12/2022 22:52	5.5	7.9	16.4	0	0	23/12/2022 11:00	996	-0.02	8.7
31/12/2022 00:22	5.5	7.8	16.4	0	0	23/12/2022 12:00	996	-0.04	9.1
31/12/2022 01:52	5.3	7.7	16.4	0	0	23/12/2022 13:00	997	-0.08	9.3
31/12/2022 03:22	6.2	8.1	16.2	0	0	23/12/2022 14:00	998	-0.11	9.2
31/12/2022 04:52	6.4	8.1	16.2	0	0	23/12/2022 15:00	999	-0.11	9.0
31/12/2022 06:22	6.2	8.1	16.3	0	0	23/12/2022 16:00	999	-0.09	8.8
31/12/2022 07:52	6.1	8.1	16.3	0	0	23/12/2022 17:00	1000	-0.12	8.5
31/12/2022 09:22	6.1	7.9	16.3	0	0	23/12/2022 18:00	1000	-0.01	7.9
31/12/2022 10:52	6.0	7.8	16.3	0	0	23/12/2022 19:00	1000	0.00	7.9
31/12/2022 12:22	6.1	7.9	16.4	0	0	23/12/2022 20:00	1001	-0.01	8.2
31/12/2022 13:52	6.0	7.9	16.3	0	0	23/12/2022 21:00	1001	-0.01	8.0
31/12/2022 15:22	6.1	7.8	16.4	0	0	23/12/2022 22:00	1002	-0.05	7.8
31/12/2022 16:52	5.9	7.8	16.4	0	0	23/12/2022 23:00	1002	-0.07	8.2
31/12/2022 18:22	5.9	7.8	16.4	0	0	24/12/2022 00:00	1003	-0.09	7.9
31/12/2022 19:52	5.8	7.9	16.5	0	0	24/12/2022 01:00	1004	-0.06	7.4
31/12/2022 21:22	5.9	7.8	16.5	0	0	24/12/2022 02:00	1004	-0.06	6.7
31/12/2022 22:52	5.9	7.8	16.5	0	0	24/12/2022 03:00	1005	-0.07	5.9
01/01/2023 00:22	5.8	7.8	16.6	0	0	24/12/2022 04:00	1005	-0.03	5.3
01/01/2023 01:52	6.0	7.8	16.6	0	0	24/12/2022 05:00	1005	-0.01	4.5
01/01/2023 03:22	5.6	7.8	16.6	0	0	24/12/2022 06:00	1006	-0.02	4.3
01/01/2023 04:52	5.7	7.7	16.6	0	0	24/12/2022 07:00	1006	-0.01	4.5
01/01/2023 06:22	5.6	7.9	16.6	0	0	24/12/2022 08:00	1005	0.02	5.6
01/01/2023 07:52	5.5	7.8	16.6	0	0	24/12/2022 09:00	1006	-0.03	6.2
01/01/2023 09:22	5.7	7.8	16.6	0	0	24/12/2022 10:00	1006	0.00	6.6
01/01/2023 10:52	5.6	7.8	16.6	0	0	24/12/2022 11:00	1006	0.00	7.1
01/01/2023 12:22	5.5	7.9	16.6	0	0	24/12/2022 12:00	1006	0.00	7.8
01/01/2023 13:52	5.5	7.9	16.6	0	0	24/12/2022 13:00	1005	0.02	8.4
01/01/2023 15:22	5.5	7.8	16.6	0	0	24/12/2022 14:00	1005	0.03	8.8
01/01/2023 16:52	5.5	7.8	16.7	0	0	24/12/2022 15:00	1004	0.07	8.8
01/01/2023 18:22	5.5	7.8	16.7	0	0	24/12/2022 16:00	1004	0.01	8.5
01/01/2023 19:52	5.4	7.9	16.7	0	0	24/12/2022 17:00	1004	0.02	8.4
01/01/2023 21:22	5.5	7.8	16.7	0	0	24/12/2022 18:00	1003	0.08	8.4
01/01/2023 22:52	5.3	7.8	16.7	0	0	24/12/2022 19:00	1003	0.00	8.3
02/01/2023 00:22	5.5	7.8	16.7	0	0	24/12/2022 20:00	1003	0.00	8.4
02/01/2023 01:52	5.2	7.8	16.8	0	0	24/12/2022 21:00	1004	-0.08	8.1
02/01/2023 03:22	5.4	7.8	16.8	0	0	24/12/2022 22:00	1004	0.00	7.8
02/01/2023 04:52	5.1	7.8	16.8	0	0	24/12/2022 23:00	1004	0.01	7.8
02/01/2023 06:22	5.2	7.7	16.8	0	0	25/12/2022 00:00	1003	0.06	7.9
02/01/2023 07:52	5.2	7.8	16.8	0	0	25/12/2022 01:00	1004	0.00	7.9
02/01/2023 09:22	5.1	7.8	16.9	0	0	25/12/2022 02:00	1003	0.02	7.9
02/01/2023 10:52	5.2	7.8	16.8	0	0	25/12/2022 03:00	1003	0.02	8.1

GC Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S	LL and BL Date and Time	Atmospheric Pressure	Flow	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v		mbar	Ltr/hr	°C
02/01/2023 12:22	5.2	7.8	16.8	0	0	25/12/2022 04:00	1003	0.04	7.9
02/01/2023 13:52	5.2	7.7	16.9	0	0	25/12/2022 05:00	1002	0.06	8.0
02/01/2023 15:22	5.0	7.7	16.9	0	0	25/12/2022 06:00	1002	0.00	8.1
02/01/2023 16:52	5.1	7.8	16.9	0	0	25/12/2022 07:00	1002	0.03	8.0
02/01/2023 18:22	5.1	7.8	16.9	0	0	25/12/2022 08:00	1002	0.01	8.1
02/01/2023 19:52	5.0	7.8	16.8	0	0	25/12/2022 09:00	1002	0.00	8.1
02/01/2023 21:22	5.1	7.7	16.8	0	0	25/12/2022 10:00	1003	-0.02	8.2
02/01/2023 22:52	5.1	7.8	16.8	0	0	25/12/2022 11:00	1002	0.00	8.3
03/01/2023 00:22	4.9	7.7	16.8	0	0	25/12/2022 12:00	1002	0.01	8.3
03/01/2023 01:52	5.1	7.9	16.8	0	0	25/12/2022 13:00	1002	0.02	8.6
03/01/2023 03:22	5.0	7.9	16.7	0	0	25/12/2022 14:00	1001	0.04	8.9
03/01/2023 04:52	5.1	7.8	16.7	0	0	25/12/2022 15:00	1001	0.22	8.9
03/01/2023 06:22	4.9	7.9	16.8	0	0	25/12/2022 16:00	1002	0.01	8.8
03/01/2023 07:52	4.9	7.9	16.8	0	0	25/12/2022 17:00	1002	0.02	8.7
03/01/2023 09:22	4.7	7.9	16.8	0	0	25/12/2022 18:00	1002	0.00	8.3
03/01/2023 10:52	4.9	7.8	16.8	0	0	25/12/2022 19:00	1002	0.00	8.4
03/01/2023 12:22	4.8	7.8	16.8	0	0	25/12/2022 20:00	1002	0.01	8.5
03/01/2023 13:52	4.8	7.8	16.8	0	0	25/12/2022 21:00	1001	0.03	8.6
03/01/2023 15:22	4.8	7.7	16.8	0	0	25/12/2022 22:00	1001	0.00	8.6
03/01/2023 16:52	5.0	7.8	16.9	0	0	25/12/2022 23:00	1003	-0.11	8.3
03/01/2023 18:22	4.8	7.8	16.9	0	0	26/12/2022 00:00	1004	-0.13	7.9
03/01/2023 19:52	4.8	7.8	16.9	0	0	26/12/2022 01:00	1006	-0.12	7.0
03/01/2023 21:22	4.8	7.8	16.9	0	0	26/12/2022 02:00	1007	-0.12	6.4
03/01/2023 22:52	4.7	7.8	16.9	0	0	26/12/2022 03:00	1008	-0.14	6.0
04/01/2023 00:22	4.6	7.8	16.9	0	0	26/12/2022 04:00	1010	-0.14	5.2
04/01/2023 01:52	4.7	7.8	17.0	0	0	26/12/2022 05:00	1011	-0.12	4.4
04/01/2023 03:22	4.5	7.8	17.0	0	0	26/12/2022 06:00	1012	-0.10	3.5
04/01/2023 04:52	4.6	7.8	17.0	0	0	26/12/2022 07:00	1012	-0.09	2.6
04/01/2023 06:22	4.5	7.8	17.0	0	0	26/12/2022 08:00	1013	-0.09	1.7
04/01/2023 07:52	4.6	7.8	17.1	0	0	26/12/2022 09:00	1014	-0.08	1.3
04/01/2023 09:22	4.6	7.8	17.1	0	0	26/12/2022 10:00	1015	-0.13	1.4
04/01/2023 10:52	4.4	7.8	17.1	0	0	26/12/2022 11:00	1016	-0.07	1.7
04/01/2023 12:22	4.5	7.8	17.1	0	0	26/12/2022 12:00	1016	-0.01	2.5
04/01/2023 13:52	4.6	7.8	17.1	0	0	26/12/2022 13:00	1016	-0.10	3.3
04/01/2023 15:22	4.4	7.8	17.1	0	0	26/12/2022 14:00	1016	-0.02	3.1
04/01/2023 16:52	4.5	7.8	17.2	0	0	26/12/2022 15:00	1016	-0.02	3.7
04/01/2023 18:22	4.6	7.8	17.2	0	0	26/12/2022 16:00	1017	-0.06	3.4
04/01/2023 19:52	4.5	7.9	17.2	0	0	26/12/2022 17:00	1017	0.00	3.3
04/01/2023 21:22	4.4	7.7	17.2	0	0	26/12/2022 18:00	1017	-0.03	3.1
04/01/2023 22:52	4.5	7.8	17.2	0	0	26/12/2022 19:00	1018	-0.05	2.9
05/01/2023 00:22	4.3	7.7	17.2	0	0	26/12/2022 20:00	1018	-0.03	2.2
05/01/2023 01:52	4.3	7.7	17.2	0	0	26/12/2022 21:00	1019	-0.03	1.4
05/01/2023 03:22	4.3	7.7	17.2	0	0	26/12/2022 22:00	1019	0.00	1.4
05/01/2023 04:52	4.4	7.7	17.2	0	0	26/12/2022 23:00	1020	-0.03	1.5
05/01/2023 06:22	4.1	7.7	17.2	0	0	27/12/2022 00:00	1020	-0.01	1.4
05/01/2023 07:52	4.1	7.8	17.2	0	0	27/12/2022 01:00	1020	0.00	1.1
05/01/2023 09:22	4.2	7.7	17.3	0	0	27/12/2022 02:00	1020	0.00	1.0
05/01/2023 10:52	3.9	7.7	17.3	0	0	27/12/2022 03:00	1019	0.01	1.6
05/01/2023 12:22	4.1	7.7	17.2	0	0	27/12/2022 04:00	1019	0.02	2.0
05/01/2023 13:52	4.1	7.7	17.2	0	0	27/12/2022 05:00	1018	0.05	2.2
05/01/2023 15:22	4.1	7.7	17.2	0	0	27/12/2022 06:00	1018	0.00	3.0
05/01/2023 16:52	4.2	7.5	17.2	0	0	27/12/2022 07:00	1017	0.04	3.9
05/01/2023 18:22	4.1	7.7	17.2	0	0	27/12/2022 08:00	1017	0.03	4.7
05/01/2023 19:52	4.0	7.5	17.2	0	0	27/12/2022 09:00	1016	0.07	5.2
05/01/2023 21:22	5.0	7.9	17.0	0	0	27/12/2022 10:00	1016	0.02	5.7
05/01/2023 22:52	5.5	7.9	17.0	0	0	27/12/2022 11:00	1015	0.11	6.3
06/01/2023 00:22	5.4	7.9	17.0	0	0	27/12/2022 12:00	1014	0.10	6.8
06/01/2023 01:52	5.3	7.8	17.0	0	0	27/12/2022 13:00	1013	0.12	7.1
06/01/2023 03:22	5.5	7.8	17.0	0	0	27/12/2022 14:00	1012	0.13	7.3
06/01/2023 04:52	5.4	7.8	17.0	0	0	27/12/2022 15:00	1011	0.16	7.4
06/01/2023 06:22	5.3	7.7	17.0	0	0	27/12/2022 16:00	1010	0.13	7.5
06/01/2023 07:52	5.2	7.7	17.0	0	0	27/12/2022 17:00	1009	0.11	7.6
06/01/2023 09:22	5.2	7.7	17.0	0	0	27/12/2022 18:00	1008	0.14	7.8
06/01/2023 10:52	5.2	7.7	17.0	0	0	27/12/2022 19:00	1007	0.08	8.0
06/01/2023 12:22	5.2	7.8	17.0	0	0	27/12/2022 20:00	1006	0.10	8.4
06/01/2023 13:52	5.2	7.7	17.0	0	0	27/12/2022 21:00	1007	0.04	8.9
06/01/2023 15:22	5.1	7.7	17.0	0	0	27/12/2022 22:00	1007	0.02	8.7
06/01/2023 16:52	5.1	7.7	17.0	0	0	27/12/2022 23:00	1007	0.00	8.1
06/01/2023 18:22	5.4	7.7	17.0	0	0	28/12/2022 00:00	1007	0.01	7.6
06/01/2023 19:52	5.1	7.7	17.0	0	0	28/12/2022 01:00	1007	0.03	7.4
06/01/2023 21:22	6.2	8.1	16.7	0	0	28/12/2022 02:00	1006	0.07	7.0
06/01/2023 22:52	6.2	7.9	16.7	0	0	28/12/2022 03:00	1005	0.12	7.0
07/01/2023 00:22	6.2	7.8	16.7	0	0	28/12/2022 04:00	1003	0.15	7.2
07/01/2023 01:52	6.2	7.9	16.6	0	0	28/12/2022 05:00	1002	0.18	7.4
07/01/2023 03:22	6.2	7.8	16.6	0	0	28/12/2022 06:00	1001	0.15	8.0
07/01/2023 04:52	7.4	8.1	16.4	0	0	28/12/2022 07:00	999	0.18	8.2
07/01/2023 06:22	7.4	8.1	16.3	0	0	28/12/2022 08:00	998	0.82	8.2
07/01/2023 07:52	7.7	8.1	16.4	0	0	28/12/2022 09:00	996	0.24	8.3
07/01/2023 09:22	8.0	8.2	16.2	0	0	28/12/2022 10:00	995	0.24	8.4
07/01/2023 10:52	8.1	8.2	16.2	0	0	28/12/2022 11:00	993	0.22	8.7
07/01/2023 12:22	8.1	8.2	16.2	0	0	28/12/2022 12:00	992	0.15	9.1
07/01/2023 13:52	8.1	7.9	16.2	0	0	28/12/2022 13:00	992	0.31	9.5
07/01/2023 15:22	8.6	8.3	16.1	0	0	28/12/2022 14:00	992	0.09	9.6
07/01/2023 16:52	8.8	8.2	16.1	0	0	28/12/2022 15:00	992	0.06	9.2
07/01/2023 18:22	8.8	8.1	16.1	0	0	28/12/2022 16:00	991	0.08	9.0

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
07/01/2023 19:52	8.6	8.1	16.1	0	0	28/12/2022 17:00	991	0.06	8.8
07/01/2023 21:22	8.9	8.2	16.1	0	0	28/12/2022 18:00	991	0.01	8.6
07/01/2023 22:52	8.8	8.2	16.1	0	0	28/12/2022 19:00	990	0.08	8.4
08/01/2023 00:22	8.5	8.2	16.1	0	0	28/12/2022 20:00	990	0.08	8.2
08/01/2023 01:52	8.5	8.2	16.1	0	0	28/12/2022 21:00	990	0.06	8.0
08/01/2023 03:22	8.4	8.1	16.2	0	0	28/12/2022 22:00	990	0.08	7.6
08/01/2023 04:52	8.2	8.1	16.2	0	0	28/12/2022 23:00	989	0.08	7.6
08/01/2023 06:22	8.9	8.3	16.0	0	0	29/12/2022 00:00	989	0.12	7.6
08/01/2023 07:52	9.1	8.2	15.9	0	0	29/12/2022 01:00	988	0.04	7.7
08/01/2023 09:22	9.0	8.2	16.0	0	0	29/12/2022 02:00	990	-0.13	7.5
08/01/2023 10:52	8.9	8.2	16.0	0	0	29/12/2022 03:00	992	-0.15	6.9
08/01/2023 12:22	8.8	8.2	16.0	0	0	29/12/2022 04:00	993	-0.15	6.7
08/01/2023 13:52	8.8	8.2	16.0	0	0	29/12/2022 05:00	994	-0.09	6.4
08/01/2023 15:22	8.8	8.2	16.0	0	0	29/12/2022 06:00	995	-0.10	6.4
08/01/2023 16:52	8.8	8.1	16.0	0	0	29/12/2022 07:00	996	-0.09	6.2
08/01/2023 18:22	8.6	8.1	16.0	0	0	29/12/2022 08:00	997	-0.10	5.6
08/01/2023 19:52	8.5	8.1	16.0	0	0	29/12/2022 09:00	997	-0.09	5.5
08/01/2023 21:22	8.9	8.2	16.1	0	0	29/12/2022 10:00	998	0.08	5.6
08/01/2023 22:52	8.7	8.1	16.1	0	0	29/12/2022 11:00	999	0.03	5.7
09/01/2023 00:22	8.2	8.1	16.2	0	0	29/12/2022 12:00	999	0.00	6.2
09/01/2023 01:52	8.4	8.1	16.2	0	0	29/12/2022 13:00	999	-0.03	6.3
09/01/2023 03:22	8.4	8.1	16.2	0	0	29/12/2022 14:00	1000	-0.11	6.2
09/01/2023 04:52	8.2	8.1	16.3	0	0	29/12/2022 15:00	1001	-0.05	5.7
09/01/2023 06:22	8.2	7.9	16.3	0	0	29/12/2022 16:00	1001	-0.08	5.3
09/01/2023 07:52	8.2	8.1	16.4	0	0	29/12/2022 17:00	1001	-0.03	5.1
09/01/2023 09:22	8.1	8.1	16.4	0	0	29/12/2022 18:00	1002	-0.07	5.2
09/01/2023 10:52	8.2	7.9	16.4	0	0	29/12/2022 19:00	1002	0.00	4.9
09/01/2023 12:22	7.9	7.9	16.5	0	0	29/12/2022 20:00	1002	0.00	5.0
09/01/2023 13:52	7.8	7.9	16.5	0	0	29/12/2022 21:00	1001	0.05	4.6
09/01/2023 15:22	8.0	7.8	16.6	0	0	29/12/2022 22:00	1001	0.02	5.0
09/01/2023 16:52	7.8	7.8	16.5	0	0	29/12/2022 23:00	1000	0.03	5.1
09/01/2023 18:22	7.7	7.8	16.6	0	0	30/12/2022 00:00	999	0.09	5.3
09/01/2023 19:52	7.7	7.8	16.6	0	0	30/12/2022 01:00	998	0.41	5.8
09/01/2023 21:22	7.7	7.8	16.6	0	0	30/12/2022 02:00	996	0.20	6.1
09/01/2023 22:52	7.7	7.9	16.6	0	0	30/12/2022 03:00	995	0.20	6.3
10/01/2023 00:22	7.6	7.8	16.6	0	0	30/12/2022 04:00	993	0.18	6.7
10/01/2023 01:52	7.3	7.8	16.5	0	0	30/12/2022 05:00	991	0.20	6.8
10/01/2023 03:22	7.4	7.8	16.5	0	0	30/12/2022 06:00	990	0.20	6.9
10/01/2023 04:52	7.4	7.8	16.5	0	0	30/12/2022 07:00	987	0.26	6.8
10/01/2023 06:22	7.4	7.8	16.5	0	0	30/12/2022 08:00	985	0.28	6.9
10/01/2023 07:52	7.3	7.8	16.5	0	0	30/12/2022 09:00	984	0.15	7.2
10/01/2023 09:22	7.6	7.8	16.5	0	0	30/12/2022 10:00	984	0.02	7.7
10/01/2023 10:52	7.3	7.8	16.6	0	0	30/12/2022 11:00	985	-0.04	8.8
						30/12/2022 12:00	987	-0.13	9.3
						30/12/2022 13:00	987	-0.10	9.5
						30/12/2022 14:00	989	-0.16	9.8
						30/12/2022 15:00	990	-0.12	9.3
						30/12/2022 16:00	991	-0.10	8.9
						30/12/2022 17:00	992	-0.11	8.8
						30/12/2022 18:00	992	-0.07	8.4
						30/12/2022 19:00	993	-0.14	8.2
						30/12/2022 20:00	994	-0.10	8.1
						30/12/2022 21:00	994	-0.04	8.2
						30/12/2022 22:00	994	0.00	8.3
						30/12/2022 23:00	993	0.05	8.3
						31/12/2022 00:00	993	0.00	8.3
						31/12/2022 01:00	993	0.00	8.4
						31/12/2022 02:00	993	0.03	8.2
						31/12/2022 03:00	992	0.11	8.2
						31/12/2022 04:00	991	0.10	8.4
						31/12/2022 05:00	992	-0.01	8.9
						31/12/2022 06:00	992	-0.07	9.2
						31/12/2022 07:00	993	-0.05	9.4
						31/12/2022 08:00	994	-0.06	9.4
						31/12/2022 09:00	995	-0.03	9.5
						31/12/2022 10:00	995	-0.08	9.6
						31/12/2022 11:00	995	0.06	9.8
						31/12/2022 12:00	995	0.00	9.9
						31/12/2022 13:00	994	0.04	9.8
						31/12/2022 14:00	993	0.04	9.7
						31/12/2022 15:00	994	-0.01	9.6
						31/12/2022 16:00	993	0.00	9.4
						31/12/2022 17:00	994	-0.04	9.2
						31/12/2022 18:00	994	-0.02	9.1
						31/12/2022 19:00	995	-0.10	9.0
						31/12/2022 20:00	996	-0.02	8.8
						31/12/2022 21:00	996	-0.02	8.8
						31/12/2022 22:00	997	-0.05	8.4
						31/12/2022 23:00	998	-0.12	8.2
						01/01/2023 00:00	999	-0.11	8.1
						01/01/2023 01:00	999	-0.08	8.0
						01/01/2023 02:00	1000	-0.07	7.9
						01/01/2023 03:00	1000	-0.06	7.8
						01/01/2023 04:00	1000	-0.02	7.4
						01/01/2023 05:00	1001	-0.07	7.4



GC Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S	LL and BL Date and Time	Atmospheric Pressure	Flow	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v		mbar	Ltr/hr	°C
						01/01/2023 06:00	1002	-0.04	7.1
						01/01/2023 07:00	1002	-0.02	7.0
						01/01/2023 08:00	1002	-0.05	7.3
						01/01/2023 09:00	1003	-0.04	7.3
						01/01/2023 10:00	1003	-0.05	8.0
						01/01/2023 11:00	1004	-0.04	8.3
						01/01/2023 12:00	1004	0.01	8.7
						01/01/2023 13:00	1003	0.00	9.1
						01/01/2023 14:00	1004	0.00	9.3
						01/01/2023 15:00	1003	0.01	9.2
						01/01/2023 16:00	1004	0.00	8.9
						01/01/2023 17:00	1004	-0.01	8.5
						01/01/2023 18:00	1004	0.00	8.3
						01/01/2023 19:00	1004	0.00	7.8
						01/01/2023 20:00	1004	-0.04	7.5
						01/01/2023 21:00	1004	0.00	7.5
						01/01/2023 22:00	1004	0.00	7.2
						01/01/2023 23:00	1005	0.00	7.1
						02/01/2023 00:00	1006	-0.06	6.4
						02/01/2023 01:00	1006	-0.08	6.1
						02/01/2023 02:00	1007	-0.11	6.0
						02/01/2023 03:00	1008	-0.09	5.3
						02/01/2023 04:00	1009	-0.08	4.6
						02/01/2023 05:00	1010	-0.09	3.6
						02/01/2023 06:00	1011	-0.12	2.6
						02/01/2023 07:00	1012	-0.11	2.3
						02/01/2023 08:00	1013	-0.12	2.2
						02/01/2023 09:00	1015	-0.13	1.9
						02/01/2023 10:00	1016	-0.11	1.6
						02/01/2023 11:00	1016	-0.08	1.9
						02/01/2023 12:00	1016	-0.06	2.9
						02/01/2023 13:00	1017	-0.06	3.3
						02/01/2023 14:00	1017	-0.02	3.5
						02/01/2023 15:00	1017	-0.04	3.4
						02/01/2023 16:00	1018	-0.05	2.9
						02/01/2023 17:00	1018	-0.05	2.4
						02/01/2023 18:00	1018	-0.02	1.7
						02/01/2023 19:00	1019	-0.04	1.4
						02/01/2023 20:00	1019	0.00	1.1
						02/01/2023 21:00	1019	0.00	0.7
						02/01/2023 22:00	1018	0.04	0.6
						02/01/2023 23:00	1018	0.01	0.6
						03/01/2023 00:00	1018	0.02	1.3
						03/01/2023 01:00	1017	0.06	2.8
						03/01/2023 02:00	1016	0.07	3.2
						03/01/2023 03:00	1016	0.07	3.6
						03/01/2023 04:00	1014	0.12	4.6
						03/01/2023 05:00	1013	0.07	5.2
						03/01/2023 06:00	1013	0.07	6.0
						03/01/2023 07:00	1013	0.01	6.6
						03/01/2023 08:00	1013	0.01	7.1
						03/01/2023 09:00	1013	-0.02	7.5
						03/01/2023 10:00	1013	0.02	7.9
						03/01/2023 11:00	1012	0.06	8.2
						03/01/2023 12:00	1011	0.05	8.3
						03/01/2023 13:00	1010	0.15	8.5
						03/01/2023 14:00	1009	0.13	8.6
						03/01/2023 15:00	1008	0.07	8.9
						03/01/2023 16:00	1008	0.06	9.1
						03/01/2023 17:00	1008	0.00	9.4
						03/01/2023 18:00	1008	-0.01	9.7
						03/01/2023 19:00	1009	0.00	9.8
						03/01/2023 20:00	1009	0.01	9.9
						03/01/2023 21:00	1009	-0.01	10.0
						03/01/2023 22:00	1009	0.01	10.0
						03/01/2023 23:00	1009	0.02	10.0
						04/01/2023 00:00	1009	0.03	10.1
						04/01/2023 01:00	1009	0.05	10.2
						04/01/2023 02:00	1009	0.01	10.3
						04/01/2023 03:00	1009	-0.02	10.4
						04/01/2023 04:00	1009	-0.02	10.5
						04/01/2023 05:00	1010	-0.05	10.5
						04/01/2023 06:00	1010	-0.07	10.4
						04/01/2023 07:00	1011	-0.06	10.3
						04/01/2023 08:00	1011	-0.05	10.3
						04/01/2023 09:00	1012	-0.10	10.3
						04/01/2023 10:00	1013	-0.09	10.2
						04/01/2023 11:00	1013	-0.09	10.6
						04/01/2023 12:00	1013	-0.04	10.7
						04/01/2023 13:00	1013	0.02	10.3
						04/01/2023 14:00	1014	-0.06	10.5
						04/01/2023 15:00	1014	-0.06	10.4
						04/01/2023 16:00	1015	-0.08	10.3
						04/01/2023 17:00	1015	-0.05	10.2
						04/01/2023 18:00	1016	-0.05	10.2

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
						04/01/2023 19:00	1016	-0.07	10.1
						04/01/2023 20:00	1016	-0.02	10.0
						04/01/2023 21:00	1016	-0.02	9.8
						04/01/2023 22:00	1017	-0.03	9.9
						04/01/2023 23:00	1017	0.00	9.9
						05/01/2023 00:00	1017	-0.05	9.8
						05/01/2023 01:00	1017	-0.01	9.7
						05/01/2023 02:00	1017	-0.01	9.6
						05/01/2023 03:00	1017	0.00	9.6
						05/01/2023 04:00	1017	0.00	9.6
						05/01/2023 05:00	1017	0.05	9.6
						05/01/2023 06:00	1017	0.01	9.8
						05/01/2023 07:00	1016	0.00	9.8
						05/01/2023 08:00	1016	0.02	9.9
						05/01/2023 09:00	1016	0.00	9.9
						05/01/2023 10:00	1017	0.00	10.0
						05/01/2023 11:00	1017	0.00	10.0
						05/01/2023 12:00	1016	0.06	10.2
						05/01/2023 13:00	1015	0.07	10.4
						05/01/2023 14:00	1014	0.11	10.5
						05/01/2023 15:00	1013	0.10	10.4
						05/01/2023 16:00	1013	0.07	10.3
						05/01/2023 17:00	1012	0.06	10.1
						05/01/2023 18:00	1011	0.09	10.0
						05/01/2023 19:00	1011	0.07	10.0
						05/01/2023 20:00	1010	0.14	9.9
						05/01/2023 21:00	1008	1.63	9.9
						05/01/2023 22:00	1010	0.04	9.0
						05/01/2023 23:00	1010	0.00	8.3
						06/01/2023 00:00	1011	0.00	7.6
						06/01/2023 01:00	1011	0.00	7.4
						06/01/2023 02:00	1011	0.00	6.9
						06/01/2023 03:00	1011	0.00	7.0
						06/01/2023 04:00	1012	0.00	6.7
						06/01/2023 05:00	1012	0.00	6.5
						06/01/2023 06:00	1011	0.00	6.5
						06/01/2023 07:00	1011	0.03	6.7
						06/01/2023 08:00	1011	0.00	7.1
						06/01/2023 09:00	1011	0.00	7.3
						06/01/2023 10:00	1011	0.00	7.6
						06/01/2023 11:00	1011	0.06	8.2
						06/01/2023 12:00	1010	0.02	8.4
						06/01/2023 13:00	1009	0.27	8.8
						06/01/2023 14:00	1008	0.12	8.7
						06/01/2023 15:00	1007	0.13	9.1
						06/01/2023 16:00	1006	0.12	8.8
						06/01/2023 17:00	1005	0.10	8.9
						06/01/2023 18:00	1004	0.07	9.2
						06/01/2023 19:00	1004	0.07	9.3
						06/01/2023 20:00	1003	0.06	9.5
						06/01/2023 21:00	1002	0.61	9.6
						06/01/2023 22:00	1002	0.18	9.7
						06/01/2023 23:00	1001	0.14	9.7
						07/01/2023 00:00	1000	0.17	9.8
						07/01/2023 01:00	999	0.17	9.4
						07/01/2023 02:00	997	0.26	9.4
						07/01/2023 03:00	996	0.19	9.5
						07/01/2023 04:00	994	0.27	9.5
						07/01/2023 05:00	993	0.23	9.5
						07/01/2023 06:00	993	0.19	9.4
						07/01/2023 07:00	991	0.23	9.4
						07/01/2023 08:00	992	0.00	9.4
						07/01/2023 09:00	992	0.10	9.0
						07/01/2023 10:00	992	0.05	8.8
						07/01/2023 11:00	992	0.08	9.0
						07/01/2023 12:00	991	0.06	9.1
						07/01/2023 13:00	990	0.09	9.3
						07/01/2023 14:00	990	0.63	9.2
						07/01/2023 15:00	989	0.08	8.4
						07/01/2023 16:00	991	0.00	7.8
						07/01/2023 17:00	990	0.00	7.2
						07/01/2023 18:00	991	-0.04	7.4
						07/01/2023 19:00	991	-0.03	7.5
						07/01/2023 20:00	991	-0.02	7.5
						07/01/2023 21:00	991	-0.04	7.6
						07/01/2023 22:00	991	-0.05	7.3
						07/01/2023 23:00	991	0.00	7.1
						08/01/2023 00:00	991	0.02	7.0
						08/01/2023 01:00	991	-0.02	7.1
						08/01/2023 02:00	990	0.00	6.6
						08/01/2023 03:00	990	0.00	6.1
						08/01/2023 04:00	990	-0.06	6.3
						08/01/2023 05:00	990	0.06	5.8
						08/01/2023 06:00	989	0.11	5.7
						08/01/2023 07:00	988	0.11	5.7



GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
						08/01/2023 08:00	987	0.14	5.9
						08/01/2023 09:00	986	0.06	6.0
						08/01/2023 10:00	986	0.07	6.0
						08/01/2023 11:00	985	0.08	6.4
						08/01/2023 12:00	985	0.01	6.3
						08/01/2023 13:00	985	-0.01	6.6
						08/01/2023 14:00	985	0.02	6.0
						08/01/2023 15:00	985	-0.01	5.7
						08/01/2023 16:00	985	0.02	5.3
						08/01/2023 17:00	985	0.05	5.6
						08/01/2023 18:00	984	0.05	5.6
						08/01/2023 19:00	983	0.05	5.7
						08/01/2023 20:00	983	0.00	5.7
						08/01/2023 21:00	986	-0.16	5.5
						08/01/2023 22:00	987	-0.12	4.8
						08/01/2023 23:00	988	-0.10	4.5
						09/01/2023 00:00	989	-0.12	4.5
						09/01/2023 01:00	990	-0.12	4.6
						09/01/2023 02:00	991	-0.12	4.5
						09/01/2023 03:00	992	-0.10	4.4
						09/01/2023 04:00	992	-0.07	4.4
						09/01/2023 05:00	993	-0.06	4.8
						09/01/2023 06:00	994	-0.10	4.9
						09/01/2023 07:00	995	-0.13	4.9
						09/01/2023 08:00	997	-0.16	4.7
						09/01/2023 09:00	999	-0.17	4.5
						09/01/2023 10:00	1000	-0.15	4.6
						09/01/2023 11:00	1002	-0.13	5.1
						09/01/2023 12:00	1003	-0.12	6.0
						09/01/2023 13:00	1004	-0.15	6.9
						09/01/2023 14:00	1005	-0.15	7.1
						09/01/2023 15:00	1006	-0.12	6.8
						09/01/2023 16:00	1007	-0.09	6.4
						09/01/2023 17:00	1008	-0.10	5.7
						09/01/2023 18:00	1008	-0.10	5.3
						09/01/2023 19:00	1009	-0.11	5.1
						09/01/2023 20:00	1010	-0.11	4.9
						09/01/2023 21:00	1011	-0.10	4.4
						09/01/2023 22:00	1011	-0.04	3.7
						09/01/2023 23:00	1011	-0.04	2.8
						10/01/2023 00:00	1011	0.00	2.1
						10/01/2023 01:00	1011	0.00	1.9
						10/01/2023 02:00	1010	0.04	2.3
						10/01/2023 03:00	1009	0.07	3.5
						10/01/2023 04:00	1008	0.08	4.3
						10/01/2023 05:00	1007	0.12	4.8
						10/01/2023 06:00	1005	0.14	5.0
						10/01/2023 07:00	1004	0.20	5.4
						10/01/2023 08:00	1003	0.13	6.1
						10/01/2023 09:00	1002	0.07	7.1
						10/01/2023 10:00	1002	0.03	8.1
						10/01/2023 11:00	1002	0.05	8.7



Experts in Continuous Monitoring

Time Series Data

Project Ref:	GG3151
Project Name:	Coed Darcy Landfill, Llandarcy
Borehole ref:	ENBH09
Instrument Name and ID:	GasClam 000125/03/10, Flow Device 03020020
Start Date:	08/12/2022 14:08
End Date:	10/01/2023 11:08
Days of monitoring:	33
Monitoring Frequency (mins):	90 for Gas Clam, 60 for LL and BL
Total samples taken:	527



Summary Table

	CH ₄	CO ₂	O ₂	CO	H ₂ S		Atmospheric Pressure	Temperature
Minimum	36.0	10.8	0.0	2	0		983	-6.9
Maximum	84.1	23.5	11.3	2	4		1020	10.7
Range	48.1	12.7	11.3	0	4		37	17.6

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
08/12/2022 14:08	36.0	10.8	11.3	2	0	08/12/2022 13:00	1009	3.6
08/12/2022 15:38	37.5	11.2	10.9	2	1	08/12/2022 14:00	1008	3.4
08/12/2022 17:08	38.3	11.6	10.6	2	1	08/12/2022 15:00	1008	3.9
08/12/2022 18:38	40.2	12.0	10.3	2	1	08/12/2022 16:00	1008	3.5
08/12/2022 20:08	41.4	12.5	10.0	2	1	08/12/2022 17:00	1008	2.9
08/12/2022 21:38	42.7	12.9	9.6	2	1	08/12/2022 18:00	1008	2.6
08/12/2022 23:08	43.7	13.2	9.4	2	1	08/12/2022 19:00	1008	1.9
09/12/2022 00:38	44.5	13.5	9.1	2	1	08/12/2022 20:00	1008	1.0
09/12/2022 02:08	45.9	13.7	8.8	2	1	08/12/2022 21:00	1008	0.2
09/12/2022 03:38	47.1	14.2	8.5	2	1	08/12/2022 22:00	1009	-0.6
09/12/2022 05:08	48.2	14.2	8.3	2	1	08/12/2022 23:00	1008	-1.2
09/12/2022 06:38	49.4	14.7	7.9	2	1	09/12/2022 00:00	1008	-1.8
09/12/2022 08:08	50.7	14.8	7.7	2	1	09/12/2022 01:00	1008	-2.3
09/12/2022 09:38	51.8	15.2	7.5	2	1	09/12/2022 02:00	1008	-2.7
09/12/2022 11:08	52.4	15.4	7.2	2	1	09/12/2022 03:00	1008	-2.9
09/12/2022 12:38	53.5	15.7	7.0	2	1	09/12/2022 04:00	1008	-3.3
09/12/2022 14:08	54.2	15.8	6.8	2	1	09/12/2022 05:00	1008	-3.6
09/12/2022 15:38	55.1	15.9	6.6	2	1	09/12/2022 06:00	1008	-3.8
09/12/2022 17:08	55.8	16.4	6.4	2	1	09/12/2022 07:00	1008	-3.9
09/12/2022 18:38	56.6	16.6	6.2	2	2	09/12/2022 08:00	1008	-4.0
09/12/2022 20:08	57.6	17.0	6.0	2	1	09/12/2022 09:00	1008	-3.9
09/12/2022 21:38	58.6	16.9	5.8	2	2	09/12/2022 10:00	1008	-3.4
09/12/2022 23:08	59.2	17.1	5.8	2	2	09/12/2022 11:00	1008	-2.9
10/12/2022 00:38	59.6	17.2	5.8	2	3	09/12/2022 12:00	1008	-2.2
10/12/2022 02:08	60.5	17.4	5.6	2	3	09/12/2022 13:00	1007	-1.5
10/12/2022 03:38	61.2	17.5	5.5	2	3	09/12/2022 14:00	1007	-1.1
10/12/2022 05:08	61.4	17.7	5.4	2	3	09/12/2022 15:00	1007	-0.7
10/12/2022 06:38	62.4	17.8	5.3	2	4	09/12/2022 16:00	1008	-0.9
10/12/2022 08:08	63.4	17.8	5.2	2	3	09/12/2022 17:00	1008	-1.7
10/12/2022 09:38	63.6	17.8	5.1	2	3	09/12/2022 18:00	1008	-2.3
10/12/2022 11:08	64.1	17.9	4.9	2	3	09/12/2022 19:00	1008	-2.4
10/12/2022 12:38	64.2	18.2	4.8	2	3	09/12/2022 20:00	1008	-2.8
10/12/2022 14:08	65.6	18.2	4.7	2	4	09/12/2022 21:00	1008	-3.2
10/12/2022 15:38	65.4	18.3	4.6	2	4	09/12/2022 22:00	1009	-3.3
10/12/2022 17:08	65.8	18.4	4.5	2	3	09/12/2022 23:00	1009	-3.3
10/12/2022 18:38	66.4	18.4	4.4	2	3	10/12/2022 00:00	1008	-3.5
10/12/2022 20:08	66.9	18.8	4.3	2	3	10/12/2022 01:00	1008	-3.8
10/12/2022 21:38	67.1	18.8	4.2	2	3	10/12/2022 02:00	1008	-3.9
10/12/2022 23:08	68.4	19.0	4.1	2	3	10/12/2022 03:00	1008	-4.2
11/12/2022 00:38	68.4	19.0	4.0	2	3	10/12/2022 04:00	1008	-4.2
11/12/2022 02:08	68.8	18.8	3.9	2	3	10/12/2022 05:00	1008	-4.4
11/12/2022 03:38	69.0	19.0	3.8	2	4	10/12/2022 06:00	1008	-4.6
11/12/2022 05:08	69.1	19.0	3.7	2	3	10/12/2022 07:00	1008	-4.7
11/12/2022 06:38	69.7	19.7	3.6	2	3	10/12/2022 08:00	1008	-4.9
11/12/2022 08:08	69.9	19.4	3.6	2	4	10/12/2022 09:00	1008	-4.8
11/12/2022 09:38	70.1	19.5	3.5	2	4	10/12/2022 10:00	1008	-4.5
11/12/2022 11:08	70.3	19.7	3.4	2	3	10/12/2022 11:00	1008	-3.8
11/12/2022 12:38	70.7	19.5	3.4	2	3	10/12/2022 12:00	1008	-2.3
11/12/2022 14:08	71.3	20.1	3.3	2	4	10/12/2022 13:00	1007	-1.2
11/12/2022 15:38	71.2	20.0	3.2	2	3	10/12/2022 14:00	1007	-0.1
11/12/2022 17:08	72.0	19.9	3.2	2	3	10/12/2022 15:00	1007	-0.2

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
11/12/2022 18:38	71.8	19.8	3.0	2	3	10/12/2022 16:00	1007	-0.3
11/12/2022 20:08	72.1	20.1	3.0	2	3	10/12/2022 17:00	1007	-0.5
11/12/2022 21:38	72.9	20.1	2.9	2	3	10/12/2022 18:00	1007	-1.2
11/12/2022 23:08	73.4	20.3	2.9	2	3	10/12/2022 19:00	1007	-1.5
12/12/2022 00:38	73.2	20.1	2.8	2	4	10/12/2022 20:00	1007	-1.7
12/12/2022 02:08	73.5	20.0	2.8	2	4	10/12/2022 21:00	1007	-2.2
12/12/2022 03:38	73.7	20.1	2.7	2	3	10/12/2022 22:00	1007	-2.3
12/12/2022 05:08	73.7	20.4	2.7	2	4	10/12/2022 23:00	1006	-2.0
12/12/2022 06:38	74.2	20.2	2.6	2	4	11/12/2022 00:00	1007	-1.8
12/12/2022 08:08	74.6	20.5	2.6	2	3	11/12/2022 01:00	1006	-1.7
12/12/2022 09:38	74.4	20.1	2.5	2	3	11/12/2022 02:00	1006	-2.0
12/12/2022 11:08	75.0	20.6	2.4	2	4	11/12/2022 03:00	1006	-1.6
12/12/2022 12:38	74.8	20.4	2.4	2	3	11/12/2022 04:00	1005	-1.9
12/12/2022 14:08	75.0	20.8	2.3	2	3	11/12/2022 05:00	1005	-1.7
12/12/2022 15:38	75.5	20.6	2.3	2	3	11/12/2022 06:00	1005	-1.4
12/12/2022 17:08	76.0	20.9	2.2	2	4	11/12/2022 07:00	1005	-1.3
12/12/2022 18:38	75.3	21.0	2.2	2	3	11/12/2022 08:00	1005	-1.3
12/12/2022 20:08	75.9	20.8	2.2	2	3	11/12/2022 09:00	1005	-1.6
12/12/2022 21:38	76.0	20.9	2.1	2	4	11/12/2022 10:00	1005	-1.7
12/12/2022 23:08	75.8	20.8	2.1	2	3	11/12/2022 11:00	1005	-1.3
13/12/2022 00:38	76.4	21.1	2.0	2	4	11/12/2022 12:00	1005	-0.8
13/12/2022 02:08	76.7	20.9	2.0	2	4	11/12/2022 13:00	1005	-0.5
13/12/2022 03:38	76.3	20.7	2.0	2	3	11/12/2022 14:00	1005	-0.3
13/12/2022 05:08	76.6	21.0	1.9	2	3	11/12/2022 15:00	1005	0.0
13/12/2022 06:38	77.2	21.1	1.9	2	3	11/12/2022 16:00	1005	0.3
13/12/2022 08:08	77.4	21.1	1.8	2	3	11/12/2022 17:00	1006	0.3
13/12/2022 09:38	77.2	21.0	1.8	2	3	11/12/2022 18:00	1006	-0.5
13/12/2022 11:08	77.2	21.2	1.7	2	3	11/12/2022 19:00	1006	-1.0
13/12/2022 12:38	77.4	21.2	1.7	2	3	11/12/2022 20:00	1006	-1.0
13/12/2022 14:08	77.7	21.3	1.7	2	3	11/12/2022 21:00	1007	-1.4
13/12/2022 15:38	77.4	21.3	1.6	2	2	11/12/2022 22:00	1007	-2.2
13/12/2022 17:08	77.8	21.3	1.6	2	2	11/12/2022 23:00	1007	-2.8
13/12/2022 18:38	77.7	21.5	1.5	2	2	12/12/2022 00:00	1007	-3.1
13/12/2022 20:08	77.8	21.2	1.5	2	2	12/12/2022 01:00	1007	-3.4
13/12/2022 21:38	77.9	21.3	1.4	2	1	12/12/2022 02:00	1008	-3.7
13/12/2022 23:08	78.3	21.3	1.4	2	2	12/12/2022 03:00	1008	-3.8
14/12/2022 00:38	78.1	21.3	1.4	2	2	12/12/2022 04:00	1008	-4.2
14/12/2022 02:08	79.0	21.6	1.3	2	2	12/12/2022 05:00	1007	-4.4
14/12/2022 03:38	78.4	21.5	1.3	2	2	12/12/2022 06:00	1007	-4.6
14/12/2022 05:08	78.8	21.6	1.3	2	1	12/12/2022 07:00	1007	-4.9
14/12/2022 06:38	79.1	21.4	1.3	2	1	12/12/2022 08:00	1007	-5.1
14/12/2022 08:08	78.7	21.7	1.2	2	2	12/12/2022 09:00	1007	-5.2
14/12/2022 09:38	79.1	21.6	1.2	2	2	12/12/2022 10:00	1007	-4.8
14/12/2022 11:08	79.2	21.6	1.2	2	3	12/12/2022 11:00	1007	-4.0
14/12/2022 12:38	79.5	21.7	1.2	2	2	12/12/2022 12:00	1006	-3.4
14/12/2022 14:08	79.8	21.8	1.2	2	2	12/12/2022 13:00	1006	-3.0
14/12/2022 15:38	79.8	22.1	1.1	2	2	12/12/2022 14:00	1006	-2.6
14/12/2022 17:08	80.0	21.7	1.1	2	2	12/12/2022 15:00	1006	-2.8
14/12/2022 18:38	79.7	21.9	1.1	2	2	12/12/2022 16:00	1006	-2.5
14/12/2022 20:08	80.2	21.5	1.1	2	2	12/12/2022 17:00	1006	-2.2
14/12/2022 21:38	80.0	21.9	1.1	2	3	12/12/2022 18:00	1006	-1.9
14/12/2022 23:08	80.5	21.7	1.1	2	2	12/12/2022 19:00	1006	-1.8
15/12/2022 00:38	80.7	22.1	1.1	2	2	12/12/2022 20:00	1006	-2.3
15/12/2022 02:08	80.7	21.7	1.1	2	2	12/12/2022 21:00	1006	-2.7
15/12/2022 03:38	80.8	21.9	1.1	2	3	12/12/2022 22:00	1006	-3.3
15/12/2022 05:08	80.4	21.9	1.1	2	3	12/12/2022 23:00	1006	-3.4
15/12/2022 06:38	81.2	22.2	1.1	2	3	13/12/2022 00:00	1006	-3.1
15/12/2022 08:08	80.8	21.9	1.1	2	3	13/12/2022 01:00	1006	-2.6
15/12/2022 09:38	81.1	21.7	1.0	2	4	13/12/2022 02:00	1006	-2.4
15/12/2022 11:08	81.1	21.9	1.0	2	3	13/12/2022 03:00	1006	-2.2
15/12/2022 12:38	81.0	22.3	1.0	2	3	13/12/2022 04:00	1006	-2.3
15/12/2022 14:08	80.2	21.9	1.0	2	3	13/12/2022 05:00	1005	-2.4
15/12/2022 15:38	80.7	22.3	1.0	2	3	13/12/2022 06:00	1005	-2.3
15/12/2022 17:08	81.0	21.9	1.0	2	3	13/12/2022 07:00	1005	-2.4
15/12/2022 18:38	81.1	22.2	1.0	2	3	13/12/2022 08:00	1005	-1.9
15/12/2022 20:08	80.8	21.7	1.0	2	4	13/12/2022 09:00	1005	-1.5
15/12/2022 21:38	81.1	21.9	1.0	2	3	13/12/2022 10:00	1005	-1.1
15/12/2022 23:08	81.1	22.2	1.0	2	4	13/12/2022 11:00	1005	-0.5
16/12/2022 00:38	81.1	22.2	1.0	2	3	13/12/2022 12:00	1004	0.1
16/12/2022 02:08	81.5	21.9	1.0	2	3	13/12/2022 13:00	1004	0.9
16/12/2022 03:38	81.3	22.2	1.0	2	4	13/12/2022 14:00	1003	1.2
16/12/2022 05:08	81.1	22.1	1.0	2	4	13/12/2022 15:00	1003	0.9
16/12/2022 06:38	81.7	22.1	1.0	2	3	13/12/2022 16:00	1003	0.7
16/12/2022 08:08	81.9	22.2	1.0	2	4	13/12/2022 17:00	1002	0.5
16/12/2022 09:38	82.4	22.3	1.0	2	4	13/12/2022 18:00	1002	0.4

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
16/12/2022 11:08	81.5	22.3	1.0	2	3	13/12/2022 19:00	1002	0.2
16/12/2022 12:38	81.9	22.2	1.0	2	3	13/12/2022 20:00	1002	0.1
16/12/2022 14:08	81.4	22.1	1.0	2	3	13/12/2022 21:00	1002	-0.1
16/12/2022 15:38	81.7	22.3	1.0	2	3	13/12/2022 22:00	1002	-0.2
16/12/2022 17:08	81.3	22.2	1.1	2	4	13/12/2022 23:00	1002	-0.4
16/12/2022 18:38	81.0	22.3	1.1	2	3	14/12/2022 00:00	1002	-0.6
16/12/2022 20:08	81.2	22.2	1.1	2	3	14/12/2022 01:00	1002	-0.8
16/12/2022 21:38	81.1	22.1	1.1	2	3	14/12/2022 02:00	1002	-1.1
16/12/2022 23:08	81.0	22.3	1.1	2	3	14/12/2022 03:00	1003	-1.2
17/12/2022 00:38	81.1	22.0	1.1	2	3	14/12/2022 04:00	1003	-1.6
17/12/2022 02:08	80.9	22.2	1.1	2	3	14/12/2022 05:00	1003	-1.9
17/12/2022 03:38	81.3	22.3	1.1	2	3	14/12/2022 06:00	1003	-2.2
17/12/2022 05:08	81.3	22.2	1.0	2	3	14/12/2022 07:00	1003	-2.6
17/12/2022 06:38	81.2	22.1	1.0	2	4	14/12/2022 08:00	1004	-2.8
17/12/2022 08:08	81.0	21.9	1.1	2	3	14/12/2022 09:00	1005	-3.1
17/12/2022 09:38	80.5	22.4	1.2	2	3	14/12/2022 10:00	1005	-3.1
17/12/2022 11:08	80.2	21.9	1.2	2	3	14/12/2022 11:00	1006	-2.2
17/12/2022 12:38	79.7	22.1	1.3	2	3	14/12/2022 12:00	1005	-1.5
17/12/2022 14:08	80.5	22.1	1.3	2	3	14/12/2022 13:00	1006	-0.9
17/12/2022 15:38	80.2	22.5	1.3	2	3	14/12/2022 14:00	1006	-0.5
17/12/2022 17:08	80.4	22.1	1.3	2	3	14/12/2022 15:00	1006	-0.8
17/12/2022 18:38	79.8	22.2	1.3	2	3	14/12/2022 16:00	1007	-1.2
17/12/2022 20:08	80.6	21.9	1.3	2	3	14/12/2022 17:00	1007	-2.0
17/12/2022 21:38	80.0	21.7	1.3	2	2	14/12/2022 18:00	1008	-2.6
17/12/2022 23:08	79.8	22.1	1.2	2	3	14/12/2022 19:00	1008	-3.1
18/12/2022 00:38	80.5	22.3	1.2	2	3	14/12/2022 20:00	1008	-3.7
18/12/2022 02:08	80.6	22.0	1.1	2	3	14/12/2022 21:00	1008	-3.5
18/12/2022 03:38	80.0	22.2	1.1	2	3	14/12/2022 22:00	1009	-3.7
18/12/2022 05:08	80.0	21.9	1.1	2	3	14/12/2022 23:00	1009	-4.4
18/12/2022 06:38	80.2	22.0	1.1	2	3	15/12/2022 00:00	1009	-4.9
18/12/2022 08:08	80.4	21.9	1.1	2	3	15/12/2022 01:00	1010	-5.5
18/12/2022 09:38	79.8	21.9	1.1	2	3	15/12/2022 02:00	1010	-5.8
18/12/2022 11:08	79.4	22.0	1.0	2	3	15/12/2022 03:00	1010	-6.1
18/12/2022 12:38	80.2	21.8	1.0	2	3	15/12/2022 04:00	1010	-6.2
18/12/2022 14:08	79.7	22.0	0.9	2	3	15/12/2022 05:00	1010	-6.3
18/12/2022 15:38	79.4	21.9	0.9	2	3	15/12/2022 06:00	1010	-6.4
18/12/2022 17:08	79.5	21.9	0.9	2	4	15/12/2022 07:00	1010	-6.5
18/12/2022 18:38	79.5	21.9	0.9	2	3	15/12/2022 08:00	1010	-6.8
18/12/2022 20:08	79.3	22.3	0.8	2	3	15/12/2022 09:00	1011	-6.9
18/12/2022 21:38	79.5	22.0	0.8	2	3	15/12/2022 10:00	1011	-6.6
18/12/2022 23:08	79.5	22.0	0.8	2	3	15/12/2022 11:00	1012	-5.6
19/12/2022 00:38	79.3	22.0	0.8	2	2	15/12/2022 12:00	1011	-4.4
19/12/2022 02:08	79.5	22.0	0.8	2	2	15/12/2022 13:00	1011	-3.2
19/12/2022 03:38	79.1	22.1	0.8	2	2	15/12/2022 14:00	1011	-2.3
19/12/2022 05:08	79.4	22.2	0.7	2	1	15/12/2022 15:00	1011	-1.4
19/12/2022 06:38	79.4	22.4	0.7	2	1	15/12/2022 16:00	1011	-1.1
19/12/2022 08:08	79.4	22.0	0.7	2	1	15/12/2022 17:00	1012	-2.0
19/12/2022 09:38	79.6	22.4	0.7	2	1	15/12/2022 18:00	1012	-2.7
19/12/2022 11:08	79.6	22.4	0.6	2	1	15/12/2022 19:00	1013	-3.5
19/12/2022 12:38	79.6	22.1	0.6	2	1	15/12/2022 20:00	1013	-3.9
19/12/2022 14:08	80.0	22.1	0.6	2	1	15/12/2022 21:00	1014	-4.1
19/12/2022 15:38	80.1	22.4	0.6	2	1	15/12/2022 22:00	1014	-4.6
19/12/2022 17:08	80.0	22.0	0.6	2	1	15/12/2022 23:00	1015	-5.1
19/12/2022 18:38	80.0	22.3	0.6	2	1	16/12/2022 00:00	1015	-5.3
19/12/2022 20:08	79.9	22.5	0.5	2	1	16/12/2022 01:00	1015	-5.4
19/12/2022 21:38	80.3	22.4	0.5	2	1	16/12/2022 02:00	1015	-5.5
19/12/2022 23:08	80.2	22.4	0.5	2	1	16/12/2022 03:00	1016	-5.5
20/12/2022 00:38	80.4	22.5	0.5	2	1	16/12/2022 04:00	1016	-5.7
20/12/2022 02:08	80.2	22.6	0.5	2	1	16/12/2022 05:00	1016	-5.9
20/12/2022 03:38	79.9	22.8	0.5	2	1	16/12/2022 06:00	1016	-6.1
20/12/2022 05:08	81.1	22.4	0.5	2	1	16/12/2022 07:00	1016	-6.1
20/12/2022 06:38	80.9	22.8	0.5	2	1	16/12/2022 08:00	1017	-6.4
20/12/2022 08:08	80.8	22.6	0.5	2	1	16/12/2022 09:00	1017	-6.4
20/12/2022 09:38	80.4	22.8	0.6	2	1	16/12/2022 10:00	1018	-5.7
20/12/2022 11:08	80.5	22.8	0.6	2	1	16/12/2022 11:00	1018	-5.0
20/12/2022 12:38	80.6	22.5	0.6	2	1	16/12/2022 12:00	1017	-3.9
20/12/2022 14:08	80.4	22.4	0.6	2	1	16/12/2022 13:00	1017	-3.0
20/12/2022 15:38	81.0	22.6	0.6	2	1	16/12/2022 14:00	1017	-2.2
20/12/2022 17:08	81.1	22.4	0.6	2	1	16/12/2022 15:00	1017	-1.6
20/12/2022 18:38	80.8	22.9	0.6	2	1	16/12/2022 16:00	1017	-1.7
20/12/2022 20:08	79.9	22.7	0.7	2	1	16/12/2022 17:00	1017	-2.1
20/12/2022 21:38	80.5	22.5	0.7	2	1	16/12/2022 18:00	1017	-1.9
20/12/2022 23:08	80.6	22.6	0.7	2	1	16/12/2022 19:00	1017	-1.5
21/12/2022 00:38	80.1	22.6	0.7	2	1	16/12/2022 20:00	1017	-1.4
21/12/2022 02:08	79.9	22.3	0.7	2	1	16/12/2022 21:00	1018	-1.1

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
21/12/2022 03:38	80.6	22.4	0.7	2	1	16/12/2022 22:00	1018	-0.9
21/12/2022 05:08	80.8	22.4	0.7	2	1	16/12/2022 23:00	1018	-0.7
21/12/2022 06:38	80.6	22.7	0.7	2	1	17/12/2022 00:00	1018	-0.3
21/12/2022 08:08	80.1	22.4	0.6	2	1	17/12/2022 01:00	1017	0.2
21/12/2022 09:38	80.3	22.4	0.6	2	2	17/12/2022 02:00	1017	0.4
21/12/2022 11:08	80.2	22.4	0.7	2	1	17/12/2022 03:00	1017	0.3
21/12/2022 12:38	79.6	22.8	0.6	2	1	17/12/2022 04:00	1017	0.7
21/12/2022 14:08	80.1	22.7	0.6	2	1	17/12/2022 05:00	1017	1.1
21/12/2022 15:38	79.8	22.4	0.6	2	1	17/12/2022 06:00	1017	1.3
21/12/2022 17:08	80.3	22.4	0.6	2	1	17/12/2022 07:00	1017	1.3
21/12/2022 18:38	80.6	22.4	0.6	2	1	17/12/2022 08:00	1017	1.4
21/12/2022 20:08	80.5	22.7	0.6	2	1	17/12/2022 09:00	1017	1.6
21/12/2022 21:38	80.4	22.6	0.6	2	1	17/12/2022 10:00	1018	2.1
21/12/2022 23:08	81.1	22.4	0.6	2	1	17/12/2022 11:00	1018	2.4
22/12/2022 00:38	81.1	22.4	0.6	2	1	17/12/2022 12:00	1017	2.8
22/12/2022 02:08	80.5	22.4	0.5	2	0	17/12/2022 13:00	1017	3.1
22/12/2022 03:38	80.9	22.4	0.5	2	1	17/12/2022 14:00	1017	3.3
22/12/2022 05:08	80.8	22.2	0.5	2	1	17/12/2022 15:00	1017	3.1
22/12/2022 06:38	80.2	23.0	0.5	2	1	17/12/2022 16:00	1017	2.5
22/12/2022 08:08	80.7	22.8	0.5	2	1	17/12/2022 17:00	1017	1.8
22/12/2022 09:38	80.9	22.5	0.4	2	1	17/12/2022 18:00	1017	2.0
22/12/2022 11:08	80.7	22.4	0.4	2	1	17/12/2022 19:00	1018	1.4
22/12/2022 12:38	80.7	22.7	0.4	2	1	17/12/2022 20:00	1018	0.8
22/12/2022 14:08	80.5	22.6	0.4	2	1	17/12/2022 21:00	1018	0.1
22/12/2022 15:38	81.1	22.5	0.4	2	1	17/12/2022 22:00	1017	-0.5
22/12/2022 17:08	80.9	22.9	0.3	2	1	17/12/2022 23:00	1017	-0.8
22/12/2022 18:38	81.5	22.6	0.3	2	1	18/12/2022 00:00	1016	-0.9
22/12/2022 20:08	81.5	22.7	0.3	2	2	18/12/2022 01:00	1016	-0.9
22/12/2022 21:38	81.3	23.0	0.3	2	1	18/12/2022 02:00	1015	-0.8
22/12/2022 23:08	81.5	23.1	0.3	2	1	18/12/2022 03:00	1015	-0.6
23/12/2022 00:38	81.4	23.1	0.3	2	2	18/12/2022 04:00	1013	-0.3
23/12/2022 02:08	81.4	22.9	0.3	2	1	18/12/2022 05:00	1013	0.2
23/12/2022 03:38	81.6	22.7	0.3	2	1	18/12/2022 06:00	1012	0.5
23/12/2022 05:08	80.9	22.5	0.3	2	1	18/12/2022 07:00	1012	0.7
23/12/2022 06:38	80.1	22.4	0.3	2	1	18/12/2022 08:00	1010	0.9
23/12/2022 08:08	80.8	22.9	0.3	2	1	18/12/2022 09:00	1009	1.1
23/12/2022 09:38	80.8	22.6	0.3	2	2	18/12/2022 10:00	1008	1.4
23/12/2022 11:08	80.9	22.6	0.3	2	1	18/12/2022 11:00	1007	1.8
23/12/2022 12:38	81.2	22.9	0.3	2	1	18/12/2022 12:00	1006	2.4
23/12/2022 14:08	80.7	23.0	0.3	2	1	18/12/2022 13:00	1004	3.0
23/12/2022 15:38	80.2	22.9	0.4	2	1	18/12/2022 14:00	1003	3.8
23/12/2022 17:08	80.8	23.0	0.4	2	1	18/12/2022 15:00	1002	4.9
23/12/2022 18:38	80.4	22.4	0.5	2	1	18/12/2022 16:00	1001	5.5
23/12/2022 20:08	80.1	23.1	0.5	2	1	18/12/2022 17:00	1001	6.0
23/12/2022 21:38	80.6	22.8	0.6	2	1	18/12/2022 18:00	1000	6.6
23/12/2022 23:08	79.9	22.6	0.6	2	1	18/12/2022 19:00	1000	7.0
24/12/2022 00:38	80.0	22.4	0.7	2	1	18/12/2022 20:00	1000	7.4
24/12/2022 02:08	79.4	22.4	0.8	2	1	18/12/2022 21:00	999	7.7
24/12/2022 03:38	79.1	22.3	0.9	2	1	18/12/2022 22:00	999	8.1
24/12/2022 05:08	79.3	22.5	0.9	2	1	18/12/2022 23:00	999	8.2
24/12/2022 06:38	78.6	22.7	1.0	2	1	19/12/2022 00:00	999	8.4
24/12/2022 08:08	79.0	22.4	1.0	2	1	19/12/2022 01:00	999	8.3
24/12/2022 09:38	78.7	22.1	1.0	2	1	19/12/2022 02:00	999	8.3
24/12/2022 11:08	78.6	22.4	1.0	2	1	19/12/2022 03:00	999	8.8
24/12/2022 12:38	79.0	22.4	1.0	2	1	19/12/2022 04:00	999	9.0
24/12/2022 14:08	78.7	22.1	1.0	2	1	19/12/2022 05:00	998	9.1
24/12/2022 15:38	78.2	22.3	1.0	2	1	19/12/2022 06:00	998	9.2
24/12/2022 17:08	78.5	22.5	0.9	2	1	19/12/2022 07:00	999	9.2
24/12/2022 18:38	78.7	22.5	0.9	2	1	19/12/2022 08:00	998	9.4
24/12/2022 20:08	79.1	22.5	0.9	2	1	19/12/2022 09:00	998	9.5
24/12/2022 21:38	79.0	22.4	0.9	2	1	19/12/2022 10:00	998	9.6
24/12/2022 23:08	79.2	23.1	0.8	2	1	19/12/2022 11:00	997	9.7
25/12/2022 00:38	79.4	22.6	0.8	2	1	19/12/2022 12:00	997	9.9
25/12/2022 02:08	79.6	22.4	0.8	2	0	19/12/2022 13:00	998	10.1
25/12/2022 03:38	79.2	22.5	0.8	2	1	19/12/2022 14:00	998	10.3
25/12/2022 05:08	79.6	22.6	0.7	2	1	19/12/2022 15:00	998	10.3
25/12/2022 06:38	79.6	22.6	0.7	2	1	19/12/2022 16:00	999	10.1
25/12/2022 08:08	79.2	22.3	0.7	2	1	19/12/2022 17:00	999	9.8
25/12/2022 09:38	80.0	22.5	0.7	2	1	19/12/2022 18:00	999	9.7
25/12/2022 11:08	79.8	22.4	0.7	2	1	19/12/2022 19:00	999	9.4
25/12/2022 12:38	80.0	22.8	0.7	2	1	19/12/2022 20:00	999	9.2
25/12/2022 14:08	79.4	22.3	0.6	2	1	19/12/2022 21:00	999	9.0
25/12/2022 15:38	80.2	22.9	0.6	2	1	19/12/2022 22:00	999	8.8
25/12/2022 17:08	79.8	22.7	0.7	2	1	19/12/2022 23:00	999	8.5
25/12/2022 18:38	79.0	22.4	0.8	2	2	20/12/2022 00:00	999	8.3

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
25/12/2022 20:08	79.4	22.6	0.8	2	1	20/12/2022 01:00	1000	8.1
25/12/2022 21:38	78.9	22.6	0.8	2	1	20/12/2022 02:00	1000	7.6
25/12/2022 23:08	79.4	22.6	0.8	2	1	20/12/2022 03:00	1000	7.2
26/12/2022 00:38	79.9	22.6	0.7	2	1	20/12/2022 04:00	1001	6.4
26/12/2022 02:08	80.5	22.6	0.8	2	1	20/12/2022 05:00	1001	5.4
26/12/2022 03:38	80.2	22.9	0.8	2	2	20/12/2022 06:00	1002	4.6
26/12/2022 05:08	80.2	22.7	0.8	2	1	20/12/2022 07:00	1002	4.6
26/12/2022 06:38	80.6	23.0	0.8	2	1	20/12/2022 08:00	1003	4.7
26/12/2022 08:08	80.6	22.9	0.7	2	1	20/12/2022 09:00	1004	4.6
26/12/2022 09:38	81.3	23.1	0.8	2	1	20/12/2022 10:00	1004	4.9
26/12/2022 11:08	81.3	22.8	0.8	2	1	20/12/2022 11:00	1004	5.9
26/12/2022 12:38	81.1	22.4	0.8	2	1	20/12/2022 12:00	1004	6.4
26/12/2022 14:08	81.3	22.8	0.8	2	1	20/12/2022 13:00	1004	7.2
26/12/2022 15:38	81.7	23.0	0.8	2	1	20/12/2022 14:00	1004	7.0
26/12/2022 17:08	82.0	23.0	0.8	2	1	20/12/2022 15:00	1004	7.0
26/12/2022 18:38	82.1	22.7	0.8	2	1	20/12/2022 16:00	1005	6.5
26/12/2022 20:08	82.0	22.9	0.8	2	1	20/12/2022 17:00	1005	5.7
26/12/2022 21:38	82.2	23.1	0.8	2	1	20/12/2022 18:00	1005	5.4
26/12/2022 23:08	82.0	23.0	0.8	2	2	20/12/2022 19:00	1005	5.6
27/12/2022 00:38	82.8	22.9	0.8	2	1	20/12/2022 20:00	1005	5.6
27/12/2022 02:08	82.4	22.7	0.8	2	1	20/12/2022 21:00	1005	5.8
27/12/2022 03:38	82.1	22.8	0.7	2	1	20/12/2022 22:00	1005	5.9
27/12/2022 05:08	81.8	22.7	0.7	2	1	20/12/2022 23:00	1004	6.0
27/12/2022 06:38	82.0	22.6	0.7	2	1	21/12/2022 00:00	1004	6.2
27/12/2022 08:08	81.9	22.6	0.7	2	1	21/12/2022 01:00	1004	6.2
27/12/2022 09:38	82.0	23.0	0.7	2	1	21/12/2022 02:00	1003	6.4
27/12/2022 11:08	82.0	22.8	0.7	2	1	21/12/2022 03:00	1003	6.4
27/12/2022 12:38	80.9	22.7	0.7	2	1	21/12/2022 04:00	1003	6.3
27/12/2022 14:08	81.5	23.0	0.7	2	1	21/12/2022 05:00	1003	6.5
27/12/2022 15:38	81.1	22.5	0.7	2	1	21/12/2022 06:00	1002	6.5
27/12/2022 17:08	81.9	22.5	0.7	2	1	21/12/2022 07:00	1002	6.3
27/12/2022 18:38	81.0	22.6	0.6	2	1	21/12/2022 08:00	1002	6.2
27/12/2022 20:08	81.5	22.6	0.6	2	1	21/12/2022 09:00	1002	5.6
27/12/2022 21:38	81.1	22.7	0.6	2	1	21/12/2022 10:00	1003	5.7
27/12/2022 23:08	81.5	22.8	0.6	2	1	21/12/2022 11:00	1003	5.6
28/12/2022 00:38	81.7	22.7	0.6	2	1	21/12/2022 12:00	1002	6.3
28/12/2022 02:08	81.5	22.5	0.5	2	1	21/12/2022 13:00	1002	6.5
28/12/2022 03:38	80.9	22.5	0.5	2	1	21/12/2022 14:00	1001	6.4
28/12/2022 05:08	80.9	22.7	0.5	2	1	21/12/2022 15:00	1001	6.1
28/12/2022 06:38	81.1	22.8	0.5	2	1	21/12/2022 16:00	1001	5.4
28/12/2022 08:08	80.3	23.0	0.5	2	1	21/12/2022 17:00	1001	4.5
28/12/2022 09:38	80.1	22.0	0.4	2	1	21/12/2022 18:00	1001	4.2
28/12/2022 11:08	79.9	22.3	0.4	2	1	21/12/2022 19:00	1001	4.0
28/12/2022 12:38	79.6	22.4	0.4	2	2	21/12/2022 20:00	1000	4.0
28/12/2022 14:08	80.2	22.8	0.3	2	1	21/12/2022 21:00	1001	4.2
28/12/2022 15:38	80.4	22.4	0.3	2	2	21/12/2022 22:00	1001	4.1
28/12/2022 17:08	80.2	22.8	0.3	2	2	21/12/2022 23:00	1001	4.1
28/12/2022 18:38	80.5	22.4	0.3	2	2	22/12/2022 00:00	1001	4.2
28/12/2022 20:08	80.2	22.7	0.2	2	2	22/12/2022 01:00	1000	4.4
28/12/2022 21:38	80.3	22.4	0.2	2	2	22/12/2022 02:00	1001	4.8
28/12/2022 23:08	80.1	22.5	0.2	2	1	22/12/2022 03:00	1000	5.2
29/12/2022 00:38	79.8	22.4	0.2	2	2	22/12/2022 04:00	1000	5.7
29/12/2022 02:08	80.2	22.7	0.2	2	2	22/12/2022 05:00	1000	6.0
29/12/2022 03:38	80.9	22.4	0.2	2	3	22/12/2022 06:00	999	6.4
29/12/2022 05:08	80.5	22.7	0.2	2	2	22/12/2022 07:00	999	6.8
29/12/2022 06:38	80.9	22.6	0.2	2	2	22/12/2022 08:00	999	7.1
29/12/2022 08:08	81.8	22.8	0.2	2	2	22/12/2022 09:00	999	7.4
29/12/2022 09:38	81.4	22.8	0.1	2	1	22/12/2022 10:00	999	8.0
29/12/2022 11:08	81.4	23.0	0.2	2	1	22/12/2022 11:00	999	8.4
29/12/2022 12:38	81.6	22.7	0.2	2	1	22/12/2022 12:00	998	8.8
29/12/2022 14:08	81.5	22.8	0.2	2	1	22/12/2022 13:00	998	9.2
29/12/2022 15:38	81.8	22.8	0.2	2	1	22/12/2022 14:00	998	9.3
29/12/2022 17:08	81.6	23.1	0.3	2	1	22/12/2022 15:00	999	9.6
29/12/2022 18:38	81.4	22.7	0.3	2	1	22/12/2022 16:00	1000	9.4
29/12/2022 20:08	81.7	22.8	0.3	2	1	22/12/2022 17:00	1001	9.0
29/12/2022 21:38	81.4	22.9	0.3	2	1	22/12/2022 18:00	1001	8.7
29/12/2022 23:08	81.5	22.6	0.3	2	1	22/12/2022 19:00	1002	8.4
30/12/2022 00:38	80.7	22.8	0.3	2	1	22/12/2022 20:00	1002	8.1
30/12/2022 02:08	81.1	22.6	0.3	2	1	22/12/2022 21:00	1002	7.9
30/12/2022 03:38	80.2	22.5	0.2	2	1	22/12/2022 22:00	1002	7.7
30/12/2022 05:08	80.2	22.5	0.2	2	2	22/12/2022 23:00	1003	7.6
30/12/2022 06:38	80.2	22.4	0.2	2	1	23/12/2022 00:00	1003	7.4
30/12/2022 08:08	80.0	22.2	0.1	2	1	23/12/2022 01:00	1002	7.3
30/12/2022 09:38	80.0	22.2	0.1	2	2	23/12/2022 02:00	1001	7.2
30/12/2022 11:08	80.2	22.6	0.1	2	2	23/12/2022 03:00	1000	7.1

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
30/12/2022 12:38	80.3	22.6	0.1	2	2	23/12/2022 04:00	1000	7.1
30/12/2022 14:08	80.7	22.4	0.1	2	2	23/12/2022 05:00	998	7.0
30/12/2022 15:38	81.1	22.5	0.1	2	1	23/12/2022 06:00	997	6.9
30/12/2022 17:08	80.9	22.6	0.1	2	2	23/12/2022 07:00	995	7.1
30/12/2022 18:38	81.3	22.7	0.1	2	1	23/12/2022 08:00	995	7.2
30/12/2022 20:08	81.3	22.7	0.1	2	1	23/12/2022 09:00	995	7.4
30/12/2022 21:38	81.3	22.6	0.1	2	1	23/12/2022 10:00	995	8.2
30/12/2022 23:08	81.5	22.6	0.1	2	1	23/12/2022 11:00	996	8.7
31/12/2022 00:38	81.1	22.7	0.0	2	1	23/12/2022 12:00	996	9.1
31/12/2022 02:08	81.3	22.9	0.0	2	1	23/12/2022 13:00	997	9.3
31/12/2022 03:38	81.8	23.0	0.0	2	1	23/12/2022 14:00	998	9.2
31/12/2022 05:08	81.2	22.8	0.0	2	1	23/12/2022 15:00	999	9.0
31/12/2022 06:38	81.9	22.4	0.1	2	2	23/12/2022 16:00	999	8.8
31/12/2022 08:08	81.7	22.9	0.1	2	1	23/12/2022 17:00	1000	8.5
31/12/2022 09:38	81.6	22.5	0.1	2	1	23/12/2022 18:00	1000	7.9
31/12/2022 11:08	81.7	23.0	0.1	2	1	23/12/2022 19:00	1000	7.9
31/12/2022 12:38	81.3	22.6	0.1	2	1	23/12/2022 20:00	1001	8.2
31/12/2022 14:08	81.6	22.7	0.1	2	1	23/12/2022 21:00	1001	8.0
31/12/2022 15:38	80.8	23.0	0.1	2	1	23/12/2022 22:00	1002	7.8
31/12/2022 17:08	81.3	22.7	0.1	2	1	23/12/2022 23:00	1002	8.2
31/12/2022 18:38	81.1	22.6	0.1	2	1	24/12/2022 00:00	1003	7.9
31/12/2022 20:08	81.2	23.0	0.1	2	1	24/12/2022 01:00	1004	7.4
31/12/2022 21:38	81.5	23.1	0.2	2	1	24/12/2022 02:00	1004	6.7
31/12/2022 23:08	81.1	22.6	0.2	2	1	24/12/2022 03:00	1005	5.9
01/01/2023 00:38	81.1	23.1	0.2	2	2	24/12/2022 04:00	1005	5.3
01/01/2023 02:08	81.5	22.9	0.3	2	1	24/12/2022 05:00	1005	4.5
01/01/2023 03:38	81.5	22.9	0.3	2	1	24/12/2022 06:00	1006	4.3
01/01/2023 05:08	81.1	22.8	0.4	2	1	24/12/2022 07:00	1006	4.5
01/01/2023 06:38	80.7	22.8	0.5	2	1	24/12/2022 08:00	1005	5.6
01/01/2023 08:08	80.5	22.9	0.5	2	1	24/12/2022 09:00	1006	6.2
01/01/2023 09:38	81.4	22.7	0.5	2	1	24/12/2022 10:00	1006	6.6
01/01/2023 11:08	80.8	22.9	0.5	2	1	24/12/2022 11:00	1006	7.1
01/01/2023 12:38	81.2	22.8	0.5	2	1	24/12/2022 12:00	1006	7.8
01/01/2023 14:08	81.2	23.0	0.5	2	1	24/12/2022 13:00	1005	8.4
01/01/2023 15:38	80.6	23.0	0.5	2	1	24/12/2022 14:00	1005	8.8
01/01/2023 17:08	80.6	22.6	0.5	2	1	24/12/2022 15:00	1004	8.8
01/01/2023 18:38	81.1	22.6	0.5	2	2	24/12/2022 16:00	1004	8.5
01/01/2023 20:08	81.2	23.0	0.5	2	1	24/12/2022 17:00	1004	8.4
01/01/2023 21:38	81.3	23.0	0.5	2	1	24/12/2022 18:00	1003	8.4
01/01/2023 23:08	81.2	23.1	0.5	2	1	24/12/2022 19:00	1003	8.3
02/01/2023 00:38	81.3	22.9	0.5	2	1	24/12/2022 20:00	1003	8.4
02/01/2023 02:08	81.5	23.2	0.5	2	1	24/12/2022 21:00	1004	8.1
02/01/2023 03:38	81.8	22.9	0.5	2	1	24/12/2022 22:00	1004	7.8
02/01/2023 05:08	82.0	22.8	0.5	2	1	24/12/2022 23:00	1004	7.8
02/01/2023 06:38	81.8	23.1	0.5	2	1	25/12/2022 00:00	1003	7.9
02/01/2023 08:08	82.4	23.0	0.7	2	1	25/12/2022 01:00	1004	7.9
02/01/2023 09:38	82.9	22.9	0.7	2	1	25/12/2022 02:00	1003	7.9
02/01/2023 11:08	82.6	22.8	0.7	2	2	25/12/2022 03:00	1003	8.1
02/01/2023 12:38	82.8	22.8	0.7	2	1	25/12/2022 04:00	1003	7.9
02/01/2023 14:08	82.6	23.3	0.7	2	1	25/12/2022 05:00	1002	8.0
02/01/2023 15:38	82.8	23.0	0.7	2	1	25/12/2022 06:00	1002	8.1
02/01/2023 17:08	82.4	23.3	0.7	2	1	25/12/2022 07:00	1002	8.0
02/01/2023 18:38	82.8	23.1	0.7	2	1	25/12/2022 08:00	1002	8.1
02/01/2023 20:08	82.6	23.0	0.7	2	1	25/12/2022 09:00	1002	8.1
02/01/2023 21:38	82.6	22.9	0.8	2	1	25/12/2022 10:00	1003	8.2
02/01/2023 23:08	82.6	22.8	0.7	2	1	25/12/2022 11:00	1002	8.3
03/01/2023 00:38	83.0	23.0	0.7	2	1	25/12/2022 12:00	1002	8.3
03/01/2023 02:08	82.6	22.6	0.7	2	1	25/12/2022 13:00	1002	8.6
03/01/2023 03:38	82.8	23.0	0.7	2	1	25/12/2022 14:00	1001	8.9
03/01/2023 05:08	82.1	23.2	0.7	2	1	25/12/2022 15:00	1001	8.9
03/01/2023 06:38	81.8	22.5	0.7	2	1	25/12/2022 16:00	1002	8.8
03/01/2023 08:08	81.9	22.8	0.7	2	0	25/12/2022 17:00	1002	8.7
03/01/2023 09:38	82.6	22.7	0.7	2	1	25/12/2022 18:00	1002	8.3
03/01/2023 11:08	81.9	22.7	0.6	2	1	25/12/2022 19:00	1002	8.4
03/01/2023 12:38	82.3	22.7	0.6	2	1	25/12/2022 20:00	1002	8.5
03/01/2023 14:08	82.2	22.9	0.6	2	1	25/12/2022 21:00	1001	8.6
03/01/2023 15:38	81.8	23.0	0.6	2	1	25/12/2022 22:00	1001	8.6
03/01/2023 17:08	81.9	22.8	0.5	2	1	25/12/2022 23:00	1003	8.3
03/01/2023 18:38	82.1	22.9	0.5	2	1	26/12/2022 00:00	1004	7.9
03/01/2023 20:08	81.8	22.6	0.5	2	1	26/12/2022 01:00	1006	7.0
03/01/2023 21:38	81.9	23.0	0.5	2	1	26/12/2022 02:00	1007	6.4
03/01/2023 23:08	82.1	23.3	0.5	2	2	26/12/2022 03:00	1008	6.0
04/01/2023 00:38	82.2	23.1	0.5	2	1	26/12/2022 04:00	1010	5.2
04/01/2023 02:08	82.6	23.1	0.5	2	1	26/12/2022 05:00	1011	4.4
04/01/2023 03:38	82.0	23.1	0.5	2	2	26/12/2022 06:00	1012	3.5

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
04/01/2023 05:08	82.0	23.0	0.5	2	1	26/12/2022 07:00	1012	2.6
04/01/2023 06:38	82.4	23.5	0.5	2	2	26/12/2022 08:00	1013	1.7
04/01/2023 08:08	82.5	22.8	0.5	2	2	26/12/2022 09:00	1014	1.3
04/01/2023 09:38	82.4	23.1	0.6	2	1	26/12/2022 10:00	1015	1.4
04/01/2023 11:08	82.8	23.2	0.6	2	1	26/12/2022 11:00	1016	1.7
04/01/2023 12:38	82.4	23.2	0.6	2	1	26/12/2022 12:00	1016	2.5
04/01/2023 14:08	82.7	23.2	0.6	2	1	26/12/2022 13:00	1016	3.3
04/01/2023 15:38	82.7	23.0	0.6	2	2	26/12/2022 14:00	1016	3.1
04/01/2023 17:08	82.9	23.4	0.7	2	1	26/12/2022 15:00	1016	3.7
04/01/2023 18:38	82.7	23.1	0.7	2	2	26/12/2022 16:00	1017	3.4
04/01/2023 20:08	82.7	23.1	0.7	2	1	26/12/2022 17:00	1017	3.3
04/01/2023 21:38	82.6	23.1	0.7	2	1	26/12/2022 18:00	1017	3.1
04/01/2023 23:08	82.5	23.1	0.7	2	1	26/12/2022 19:00	1018	2.9
05/01/2023 00:38	82.7	23.2	0.7	2	1	26/12/2022 20:00	1018	2.2
05/01/2023 02:08	82.7	23.1	0.7	2	1	26/12/2022 21:00	1019	1.4
05/01/2023 03:38	82.6	23.1	0.7	2	1	26/12/2022 22:00	1019	1.4
05/01/2023 05:08	82.3	23.1	0.7	2	1	26/12/2022 23:00	1020	1.5
05/01/2023 06:38	82.2	23.1	0.7	2	1	27/12/2022 00:00	1020	1.4
05/01/2023 08:08	81.9	23.0	0.7	2	1	27/12/2022 01:00	1020	1.1
05/01/2023 09:38	82.6	23.4	0.7	2	1	27/12/2022 02:00	1020	1.0
05/01/2023 11:08	82.3	23.1	0.8	2	2	27/12/2022 03:00	1019	1.6
05/01/2023 12:38	82.3	23.1	0.8	2	1	27/12/2022 04:00	1019	2.0
05/01/2023 14:08	82.0	23.1	0.7	2	1	27/12/2022 05:00	1018	2.2
05/01/2023 15:38	81.7	22.7	0.7	2	1	27/12/2022 06:00	1018	3.0
05/01/2023 17:08	81.7	23.3	0.7	2	1	27/12/2022 07:00	1017	3.9
05/01/2023 18:38	81.6	22.8	0.7	2	1	27/12/2022 08:00	1017	4.7
05/01/2023 20:08	81.8	23.1	0.7	2	1	27/12/2022 09:00	1016	5.2
05/01/2023 21:38	81.9	22.8	0.7	2	1	27/12/2022 10:00	1016	5.7
05/01/2023 23:08	82.1	23.0	0.7	2	1	27/12/2022 11:00	1015	6.3
06/01/2023 00:38	82.2	23.1	0.7	2	1	27/12/2022 12:00	1014	6.8
06/01/2023 02:08	82.3	22.9	0.7	2	1	27/12/2022 13:00	1013	7.1
06/01/2023 03:38	82.7	22.6	0.7	2	1	27/12/2022 14:00	1012	7.3
06/01/2023 05:08	82.5	23.5	0.6	2	1	27/12/2022 15:00	1011	7.4
06/01/2023 06:38	82.2	23.0	0.6	2	1	27/12/2022 16:00	1010	7.5
06/01/2023 08:08	82.0	22.9	0.6	2	1	27/12/2022 17:00	1009	7.6
06/01/2023 09:38	82.7	22.7	0.6	2	2	27/12/2022 18:00	1008	7.8
06/01/2023 11:08	82.9	23.1	0.6	2	1	27/12/2022 19:00	1007	8.0
06/01/2023 12:38	82.6	22.9	0.6	2	1	27/12/2022 20:00	1006	8.4
06/01/2023 14:08	82.6	22.9	0.6	2	1	27/12/2022 21:00	1007	8.9
06/01/2023 15:38	82.2	22.9	0.5	2	1	27/12/2022 22:00	1007	8.7
06/01/2023 17:08	82.6	22.9	0.5	2	1	27/12/2022 23:00	1007	8.1
06/01/2023 18:38	82.1	22.6	0.5	2	1	28/12/2022 00:00	1007	7.6
06/01/2023 20:08	82.3	22.9	0.5	2	2	28/12/2022 01:00	1007	7.4
06/01/2023 21:38	82.6	22.8	0.4	2	1	28/12/2022 02:00	1006	7.0
06/01/2023 23:08	81.6	23.1	0.4	2	1	28/12/2022 03:00	1005	7.0
07/01/2023 00:38	81.9	22.7	0.4	2	1	28/12/2022 04:00	1003	7.2
07/01/2023 02:08	81.7	22.8	0.4	2	1	28/12/2022 05:00	1002	7.4
07/01/2023 03:38	81.6	22.8	0.4	2	1	28/12/2022 06:00	1001	8.0
07/01/2023 05:08	81.9	22.8	0.3	2	1	28/12/2022 07:00	999	8.2
07/01/2023 06:38	81.6	22.8	0.3	2	1	28/12/2022 08:00	998	8.2
07/01/2023 08:08	81.7	22.7	0.3	2	1	28/12/2022 09:00	996	8.3
07/01/2023 09:38	82.1	22.5	0.3	2	2	28/12/2022 10:00	995	8.4
07/01/2023 11:08	82.0	22.6	0.3	2	1	28/12/2022 11:00	993	8.7
07/01/2023 12:38	81.9	22.5	0.3	2	2	28/12/2022 12:00	992	9.1
07/01/2023 14:08	81.5	22.5	0.2	2	2	28/12/2022 13:00	992	9.5
07/01/2023 15:38	81.8	23.0	0.2	2	1	28/12/2022 14:00	992	9.6
07/01/2023 17:08	82.2	22.9	0.2	2	1	28/12/2022 15:00	992	9.2
07/01/2023 18:38	82.3	22.9	0.2	2	1	28/12/2022 16:00	991	9.0
07/01/2023 20:08	82.2	22.9	0.2	2	1	28/12/2022 17:00	991	8.8
07/01/2023 21:38	82.3	23.2	0.2	2	1	28/12/2022 18:00	991	8.6
07/01/2023 23:08	82.6	22.8	0.2	2	1	28/12/2022 19:00	990	8.4
08/01/2023 00:38	82.8	23.1	0.2	2	1	28/12/2022 20:00	990	8.2
08/01/2023 02:08	82.8	22.9	0.2	2	1	28/12/2022 21:00	990	8.0
08/01/2023 03:38	82.3	23.1	0.2	2	1	28/12/2022 22:00	990	7.6
08/01/2023 05:08	83.2	23.1	0.2	2	2	28/12/2022 23:00	989	7.6
08/01/2023 06:38	82.8	23.1	0.2	2	1	29/12/2022 00:00	989	7.6
08/01/2023 08:08	82.8	23.0	0.2	2	1	29/12/2022 01:00	988	7.7
08/01/2023 09:38	82.4	23.1	0.2	2	2	29/12/2022 02:00	990	7.5
08/01/2023 11:08	82.8	22.6	0.2	2	2	29/12/2022 03:00	992	6.9
08/01/2023 12:38	82.7	22.9	0.2	2	1	29/12/2022 04:00	993	6.7
08/01/2023 14:08	82.2	23.0	0.2	2	1	29/12/2022 05:00	994	6.4
08/01/2023 15:38	82.3	23.2	0.1	2	1	29/12/2022 06:00	995	6.4
08/01/2023 17:08	82.8	23.1	0.1	2	1	29/12/2022 07:00	996	6.2
08/01/2023 18:38	82.3	22.8	0.1	2	1	29/12/2022 08:00	997	5.6
08/01/2023 20:08	82.4	22.6	0.1	2	1	29/12/2022 09:00	997	5.5

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
08/01/2023 21:38	82.9	23.1	0.2	2	1	29/12/2022 10:00	998	5.6
08/01/2023 23:08	83.0	22.7	0.2	2	1	29/12/2022 11:00	999	5.7
09/01/2023 00:38	83.0	23.1	0.2	2	1	29/12/2022 12:00	999	6.2
09/01/2023 02:08	83.1	23.3	0.2	2	1	29/12/2022 13:00	999	6.3
09/01/2023 03:38	83.1	23.1	0.2	2	1	29/12/2022 14:00	1000	6.2
09/01/2023 05:08	83.3	23.4	0.2	2	1	29/12/2022 15:00	1001	5.7
09/01/2023 06:38	84.1	23.5	0.2	2	1	29/12/2022 16:00	1001	5.3
09/01/2023 08:08	83.6	23.3	0.3	2	1	29/12/2022 17:00	1001	5.1
09/01/2023 09:38	83.3	23.3	0.4	2	1	29/12/2022 18:00	1002	5.2
09/01/2023 11:08	82.8	23.1	0.5	2	1	29/12/2022 19:00	1002	4.9
09/01/2023 12:38	83.1	23.3	0.5	2	1	29/12/2022 20:00	1002	5.0
09/01/2023 14:08	83.1	23.1	0.5	2	1	29/12/2022 21:00	1001	4.6
09/01/2023 15:38	82.7	23.1	0.6	2	1	29/12/2022 22:00	1001	5.0
09/01/2023 17:08	82.7	23.2	0.6	2	1	29/12/2022 23:00	1000	5.1
09/01/2023 18:38	82.6	23.1	0.6	2	1	30/12/2022 00:00	999	5.3
09/01/2023 20:08	82.4	23.2	0.6	2	1	30/12/2022 01:00	998	5.8
09/01/2023 21:38	82.9	23.0	0.6	2	1	30/12/2022 02:00	996	6.1
09/01/2023 23:08	82.6	23.0	0.7	2	1	30/12/2022 03:00	995	6.3
10/01/2023 00:38	82.4	22.9	0.7	2	1	30/12/2022 04:00	993	6.7
10/01/2023 02:08	82.2	23.1	0.6	2	1	30/12/2022 05:00	991	6.8
10/01/2023 03:38	82.2	23.0	0.7	2	1	30/12/2022 06:00	990	6.9
10/01/2023 05:08	81.9	23.1	0.6	2	1	30/12/2022 07:00	987	6.8
10/01/2023 06:38	81.7	22.9	0.6	2	1	30/12/2022 08:00	985	6.9
10/01/2023 08:08	81.6	22.7	0.6	2	2	30/12/2022 09:00	984	7.2
10/01/2023 09:38	81.6	23.0	0.6	2	1	30/12/2022 10:00	984	7.7
10/01/2023 11:08	81.1	22.9	0.6	2	1	30/12/2022 11:00	985	8.8
						30/12/2022 12:00	987	9.3
						30/12/2022 13:00	987	9.5
						30/12/2022 14:00	989	9.8
						30/12/2022 15:00	990	9.3
						30/12/2022 16:00	991	8.9
						30/12/2022 17:00	992	8.8
						30/12/2022 18:00	992	8.4
						30/12/2022 19:00	993	8.2
						30/12/2022 20:00	994	8.1
						30/12/2022 21:00	994	8.2
						30/12/2022 22:00	994	8.3
						30/12/2022 23:00	993	8.3
						31/12/2022 00:00	993	8.3
						31/12/2022 01:00	993	8.4
						31/12/2022 02:00	993	8.2
						31/12/2022 03:00	992	8.2
						31/12/2022 04:00	991	8.4
						31/12/2022 05:00	992	8.9
						31/12/2022 06:00	992	9.2
						31/12/2022 07:00	993	9.4
						31/12/2022 08:00	994	9.4
						31/12/2022 09:00	995	9.5
						31/12/2022 10:00	995	9.6
						31/12/2022 11:00	995	9.8
						31/12/2022 12:00	995	9.9
						31/12/2022 13:00	994	9.8
						31/12/2022 14:00	993	9.7
						31/12/2022 15:00	994	9.6
						31/12/2022 16:00	993	9.4
						31/12/2022 17:00	994	9.2
						31/12/2022 18:00	994	9.1
						31/12/2022 19:00	995	9.0
						31/12/2022 20:00	996	8.8
						31/12/2022 21:00	996	8.8
						31/12/2022 22:00	997	8.4
						31/12/2022 23:00	998	8.2
						01/01/2023 00:00	999	8.1
						01/01/2023 01:00	999	8.0
						01/01/2023 02:00	1000	7.9
						01/01/2023 03:00	1000	7.8
						01/01/2023 04:00	1000	7.4
						01/01/2023 05:00	1001	7.4
						01/01/2023 06:00	1002	7.1
						01/01/2023 07:00	1002	7.0
						01/01/2023 08:00	1002	7.3
						01/01/2023 09:00	1003	7.3
						01/01/2023 10:00	1003	8.0
						01/01/2023 11:00	1004	8.3
						01/01/2023 12:00	1004	8.7

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
						01/01/2023 13:00	1003	9.1
						01/01/2023 14:00	1004	9.3
						01/01/2023 15:00	1003	9.2
						01/01/2023 16:00	1004	8.9
						01/01/2023 17:00	1004	8.5
						01/01/2023 18:00	1004	8.3
						01/01/2023 19:00	1004	7.8
						01/01/2023 20:00	1004	7.5
						01/01/2023 21:00	1004	7.5
						01/01/2023 22:00	1004	7.2
						01/01/2023 23:00	1005	7.1
						02/01/2023 00:00	1006	6.4
						02/01/2023 01:00	1006	6.1
						02/01/2023 02:00	1007	6.0
						02/01/2023 03:00	1008	5.3
						02/01/2023 04:00	1009	4.6
						02/01/2023 05:00	1010	3.6
						02/01/2023 06:00	1011	2.6
						02/01/2023 07:00	1012	2.3
						02/01/2023 08:00	1013	2.2
						02/01/2023 09:00	1015	1.9
						02/01/2023 10:00	1016	1.6
						02/01/2023 11:00	1016	1.9
						02/01/2023 12:00	1016	2.9
						02/01/2023 13:00	1017	3.3
						02/01/2023 14:00	1017	3.5
						02/01/2023 15:00	1017	3.4
						02/01/2023 16:00	1018	2.9
						02/01/2023 17:00	1018	2.4
						02/01/2023 18:00	1018	1.7
						02/01/2023 19:00	1019	1.4
						02/01/2023 20:00	1019	1.1
						02/01/2023 21:00	1019	0.7
						02/01/2023 22:00	1018	0.6
						02/01/2023 23:00	1018	0.6
						03/01/2023 00:00	1018	1.3
						03/01/2023 01:00	1017	2.8
						03/01/2023 02:00	1016	3.2
						03/01/2023 03:00	1016	3.6
						03/01/2023 04:00	1014	4.6
						03/01/2023 05:00	1013	5.2
						03/01/2023 06:00	1013	6.0
						03/01/2023 07:00	1013	6.6
						03/01/2023 08:00	1013	7.1
						03/01/2023 09:00	1013	7.5
						03/01/2023 10:00	1013	7.9
						03/01/2023 11:00	1012	8.2
						03/01/2023 12:00	1011	8.3
						03/01/2023 13:00	1010	8.5
						03/01/2023 14:00	1009	8.6
						03/01/2023 15:00	1008	8.9
						03/01/2023 16:00	1008	9.1
						03/01/2023 17:00	1008	9.4
						03/01/2023 18:00	1008	9.7
						03/01/2023 19:00	1009	9.8
						03/01/2023 20:00	1009	9.9
						03/01/2023 21:00	1009	10.0
						03/01/2023 22:00	1009	10.0
						03/01/2023 23:00	1009	10.0
						04/01/2023 00:00	1009	10.1
						04/01/2023 01:00	1009	10.2
						04/01/2023 02:00	1009	10.3
						04/01/2023 03:00	1009	10.4
						04/01/2023 04:00	1009	10.5
						04/01/2023 05:00	1010	10.5
						04/01/2023 06:00	1010	10.4
						04/01/2023 07:00	1011	10.3
						04/01/2023 08:00	1011	10.3
						04/01/2023 09:00	1012	10.3
						04/01/2023 10:00	1013	10.2
						04/01/2023 11:00	1013	10.6
						04/01/2023 12:00	1013	10.7
						04/01/2023 13:00	1013	10.3
						04/01/2023 14:00	1014	10.5
						04/01/2023 15:00	1014	10.4

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
						04/01/2023 16:00	1015	10.3
						04/01/2023 17:00	1015	10.2
						04/01/2023 18:00	1016	10.2
						04/01/2023 19:00	1016	10.1
						04/01/2023 20:00	1016	10.0
						04/01/2023 21:00	1016	9.8
						04/01/2023 22:00	1017	9.9
						04/01/2023 23:00	1017	9.9
						05/01/2023 00:00	1017	9.8
						05/01/2023 01:00	1017	9.7
						05/01/2023 02:00	1017	9.6
						05/01/2023 03:00	1017	9.6
						05/01/2023 04:00	1017	9.6
						05/01/2023 05:00	1017	9.6
						05/01/2023 06:00	1017	9.8
						05/01/2023 07:00	1016	9.8
						05/01/2023 08:00	1016	9.9
						05/01/2023 09:00	1016	9.9
						05/01/2023 10:00	1017	10.0
						05/01/2023 11:00	1017	10.0
						05/01/2023 12:00	1016	10.2
						05/01/2023 13:00	1015	10.4
						05/01/2023 14:00	1014	10.5
						05/01/2023 15:00	1013	10.4
						05/01/2023 16:00	1013	10.3
						05/01/2023 17:00	1012	10.1
						05/01/2023 18:00	1011	10.0
						05/01/2023 19:00	1011	10.0
						05/01/2023 20:00	1010	9.9
						05/01/2023 21:00	1008	9.9
						05/01/2023 22:00	1010	9.0
						05/01/2023 23:00	1010	8.3
						06/01/2023 00:00	1011	7.6
						06/01/2023 01:00	1011	7.4
						06/01/2023 02:00	1011	6.9
						06/01/2023 03:00	1011	7.0
						06/01/2023 04:00	1012	6.7
						06/01/2023 05:00	1012	6.5
						06/01/2023 06:00	1011	6.5
						06/01/2023 07:00	1011	6.7
						06/01/2023 08:00	1011	7.1
						06/01/2023 09:00	1011	7.3
						06/01/2023 10:00	1011	7.6
						06/01/2023 11:00	1011	8.2
						06/01/2023 12:00	1010	8.4
						06/01/2023 13:00	1009	8.8
						06/01/2023 14:00	1008	8.7
						06/01/2023 15:00	1007	9.1
						06/01/2023 16:00	1006	8.8
						06/01/2023 17:00	1005	8.9
						06/01/2023 18:00	1004	9.2
						06/01/2023 19:00	1004	9.3
						06/01/2023 20:00	1003	9.5
						06/01/2023 21:00	1002	9.6
						06/01/2023 22:00	1002	9.7
						06/01/2023 23:00	1001	9.7
						07/01/2023 00:00	1000	9.8
						07/01/2023 01:00	999	9.4
						07/01/2023 02:00	997	9.4
						07/01/2023 03:00	996	9.5
						07/01/2023 04:00	994	9.5
						07/01/2023 05:00	993	9.5
						07/01/2023 06:00	993	9.4
						07/01/2023 07:00	991	9.4
						07/01/2023 08:00	992	9.4
						07/01/2023 09:00	992	9.0
						07/01/2023 10:00	992	8.8
						07/01/2023 11:00	992	9.0
						07/01/2023 12:00	991	9.1
						07/01/2023 13:00	990	9.3
						07/01/2023 14:00	990	9.2
						07/01/2023 15:00	989	8.4
						07/01/2023 16:00	991	7.8
						07/01/2023 17:00	990	7.2
						07/01/2023 18:00	991	7.4

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Temperature °C
						07/01/2023 19:00	991	7.5
						07/01/2023 20:00	991	7.5
						07/01/2023 21:00	991	7.6
						07/01/2023 22:00	991	7.3
						07/01/2023 23:00	991	7.1
						08/01/2023 00:00	991	7.0
						08/01/2023 01:00	991	7.1
						08/01/2023 02:00	990	6.6
						08/01/2023 03:00	990	6.1
						08/01/2023 04:00	990	6.3
						08/01/2023 05:00	990	5.8
						08/01/2023 06:00	989	5.7
						08/01/2023 07:00	988	5.7
						08/01/2023 08:00	987	5.9
						08/01/2023 09:00	986	6.0
						08/01/2023 10:00	986	6.0
						08/01/2023 11:00	985	6.4
						08/01/2023 12:00	985	6.3
						08/01/2023 13:00	985	6.6
						08/01/2023 14:00	985	6.0
						08/01/2023 15:00	985	5.7
						08/01/2023 16:00	985	5.3
						08/01/2023 17:00	985	5.6
						08/01/2023 18:00	984	5.6
						08/01/2023 19:00	983	5.7
						08/01/2023 20:00	983	5.7
						08/01/2023 21:00	986	5.5
						08/01/2023 22:00	987	4.8
						08/01/2023 23:00	988	4.5
						09/01/2023 00:00	989	4.5
						09/01/2023 01:00	990	4.6
						09/01/2023 02:00	991	4.5
						09/01/2023 03:00	992	4.4
						09/01/2023 04:00	992	4.4
						09/01/2023 05:00	993	4.8
						09/01/2023 06:00	994	4.9
						09/01/2023 07:00	995	4.9
						09/01/2023 08:00	997	4.7
						09/01/2023 09:00	999	4.5
						09/01/2023 10:00	1000	4.6
						09/01/2023 11:00	1002	5.1
						09/01/2023 12:00	1003	6.0
						09/01/2023 13:00	1004	6.9
						09/01/2023 14:00	1005	7.1
						09/01/2023 15:00	1006	6.8
						09/01/2023 16:00	1007	6.4
						09/01/2023 17:00	1008	5.7
						09/01/2023 18:00	1008	5.3
						09/01/2023 19:00	1009	5.1
						09/01/2023 20:00	1010	4.9
						09/01/2023 21:00	1011	4.4
						09/01/2023 22:00	1011	3.7
						09/01/2023 23:00	1011	2.8
						10/01/2023 00:00	1011	2.1
						10/01/2023 01:00	1011	1.9
						10/01/2023 02:00	1010	2.3
						10/01/2023 03:00	1009	3.5
						10/01/2023 04:00	1008	4.3
						10/01/2023 05:00	1007	4.8
						10/01/2023 06:00	1005	5.0
						10/01/2023 07:00	1004	5.4
						10/01/2023 08:00	1003	6.1
						10/01/2023 09:00	1002	7.1
						10/01/2023 10:00	1002	8.1
						10/01/2023 11:00	1002	8.7



Experts in Continuous Monitoring

Time Series Data

Project Ref:	GGS3151
Project Name:	Coed Darcy Landfill, Llandarcy
Borehole ref:	GM01
Instrument Name and ID:	GasClam 000117/03/10, Flow Device 03020022
Start Date:	08/12/2022 10:43
End Date:	10/01/2023 10:43
Days of monitoring:	33
Monitoring Frequency (mins):	90 for Gas Clam, 60 for LL and BL
Total samples taken:	529



Summary Table

	CH ₄	CO ₂	O ₂	CO	H ₂ S		Atmospheric Pressure	Flow	Temperature
Minimum	0.0	0.0	7.2	1	0		983	-1.16	-6.9
Maximum	0.1	4.5	16.8	2	1		1020	7.38	10.7
Range	0.1	4.5	9.6	1	1		37	8.53	17.6

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
08/12/2022 10:43	0.0	0.0	16.8	1	1	08/12/2022 10:00	1010	0.00	3.0
08/12/2022 12:13	0.0	0.7	16.1	1	0	08/12/2022 11:00	1010	0.00	2.5
08/12/2022 13:43	0.0	1.2	15.5	2	0	08/12/2022 12:00	1009	0.00	3.2
08/12/2022 15:13	0.0	1.5	15.0	1	0	08/12/2022 13:00	1009	0.00	3.6
08/12/2022 16:43	0.0	2.0	14.6	1	1	08/12/2022 14:00	1008	0.00	3.4
08/12/2022 18:13	0.0	2.3	14.3	1	0	08/12/2022 15:00	1008	0.00	3.9
08/12/2022 19:43	0.0	2.5	14.0	1	0	08/12/2022 16:00	1008	0.00	3.5
08/12/2022 21:13	0.0	2.6	14.0	1	0	08/12/2022 17:00	1008	0.00	2.9
08/12/2022 22:43	0.0	2.5	14.0	1	0	08/12/2022 18:00	1008	0.00	2.6
09/12/2022 00:13	0.0	2.5	14.1	1	0	08/12/2022 19:00	1008	0.00	1.9
09/12/2022 01:43	0.0	2.5	14.2	1	0	08/12/2022 20:00	1008	0.00	1.0
09/12/2022 03:13	0.0	2.4	14.3	1	0	08/12/2022 21:00	1008	0.00	0.2
09/12/2022 04:43	0.0	2.4	14.3	1	1	08/12/2022 22:00	1009	0.00	-0.6
09/12/2022 06:13	0.0	2.4	14.4	1	0	08/12/2022 23:00	1008	0.00	-1.2
09/12/2022 07:43	0.0	2.4	14.5	1	0	09/12/2022 00:00	1008	0.00	-1.8
09/12/2022 09:13	0.1	2.3	14.6	1	0	09/12/2022 01:00	1008	-0.29	-2.3
09/12/2022 10:43	0.1	2.4	14.6	1	0	09/12/2022 02:00	1008	0.00	-2.7
09/12/2022 12:13	0.0	2.4	14.6	1	0	09/12/2022 03:00	1008	0.00	-2.9
09/12/2022 13:43	0.1	2.4	14.5	1	0	09/12/2022 04:00	1008	0.00	-3.3
09/12/2022 15:13	0.0	2.4	14.5	1	0	09/12/2022 05:00	1008	0.00	-3.6
09/12/2022 16:43	0.1	2.4	14.5	1	1	09/12/2022 06:00	1008	0.00	-3.8
09/12/2022 18:13	0.0	2.3	14.5	1	0	09/12/2022 07:00	1008	0.00	-3.9
09/12/2022 19:43	0.0	2.4	14.5	1	0	09/12/2022 08:00	1008	0.00	-4.0
09/12/2022 21:13	0.1	2.3	14.6	1	0	09/12/2022 09:00	1008	0.00	-3.9
09/12/2022 22:43	0.0	2.2	14.6	1	0	09/12/2022 10:00	1008	0.00	-3.4
10/12/2022 00:13	0.0	2.3	14.7	1	0	09/12/2022 11:00	1008	0.00	-2.9
10/12/2022 01:43	0.0	2.2	14.7	2	1	09/12/2022 12:00	1008	0.00	-2.2
10/12/2022 03:13	0.1	2.1	14.7	1	0	09/12/2022 13:00	1007	0.00	-1.5
10/12/2022 04:43	0.0	2.1	14.8	2	0	09/12/2022 14:00	1007	0.00	-1.1
10/12/2022 06:13	0.0	2.0	14.8	1	0	09/12/2022 15:00	1007	0.00	-0.7
10/12/2022 07:43	0.1	2.0	14.8	1	0	09/12/2022 16:00	1008	0.00	-0.9
10/12/2022 09:13	0.0	2.0	14.8	1	1	09/12/2022 17:00	1008	0.00	-1.7
10/12/2022 10:43	0.1	2.0	14.8	1	0	09/12/2022 18:00	1008	0.00	-2.3
10/12/2022 12:13	0.0	2.0	14.8	1	0	09/12/2022 19:00	1008	0.00	-2.4
10/12/2022 13:43	0.0	2.0	14.6	1	0	09/12/2022 20:00	1008	0.00	-2.8
10/12/2022 15:13	0.0	2.0	14.5	1	0	09/12/2022 21:00	1008	0.00	-3.2
10/12/2022 16:43	0.1	2.1	14.4	2	0	09/12/2022 22:00	1009	0.00	-3.3
10/12/2022 18:13	0.1	2.1	14.4	2	0	09/12/2022 23:00	1009	0.00	-3.3
10/12/2022 19:43	0.0	2.0	14.4	2	0	10/12/2022 00:00	1008	0.00	-3.5
10/12/2022 21:13	0.0	2.1	14.4	1	0	10/12/2022 01:00	1008	0.00	-3.8
10/12/2022 22:43	0.0	2.0	14.5	1	0	10/12/2022 02:00	1008	0.00	-3.9
11/12/2022 00:13	0.0	2.0	14.4	1	1	10/12/2022 03:00	1008	0.00	-4.2
11/12/2022 01:43	0.0	2.0	14.4	1	0	10/12/2022 04:00	1008	0.00	-4.2
11/12/2022 03:13	0.0	2.0	14.4	2	0	10/12/2022 05:00	1008	0.00	-4.4
11/12/2022 04:43	0.0	2.0	14.4	1	1	10/12/2022 06:00	1008	0.00	-4.6
11/12/2022 06:13	0.1	2.0	14.4	1	1	10/12/2022 07:00	1008	0.00	-4.7
11/12/2022 07:43	0.0	2.0	14.4	1	0	10/12/2022 08:00	1008	0.00	-4.9
11/12/2022 09:13	0.0	2.0	14.4	1	1	10/12/2022 09:00	1008	0.00	-4.8
11/12/2022 10:43	0.0	2.0	14.5	1	0	10/12/2022 10:00	1008	0.00	-4.5
11/12/2022 12:13	0.1	1.9	14.5	1	1	10/12/2022 11:00	1008	0.00	-3.8
11/12/2022 13:43	0.1	2.0	14.4	1	1	10/12/2022 12:00	1008	0.00	-2.3
11/12/2022 15:13	0.1	1.9	14.4	1	0	10/12/2022 13:00	1007	0.00	-1.2
11/12/2022 16:43	0.1	2.0	14.4	1	0	10/12/2022 14:00	1007	0.00	-0.1
11/12/2022 18:13	0.0	1.9	14.4	1	0	10/12/2022 15:00	1007	0.00	-0.2
11/12/2022 19:43	0.1	1.9	14.4	1	1	10/12/2022 16:00	1007	0.00	-0.3
11/12/2022 21:13	0.1	2.0	14.4	1	0	10/12/2022 17:00	1007	0.00	-0.5
11/12/2022 22:43	0.1	1.9	14.5	2	0	10/12/2022 18:00	1007	0.00	-1.2
12/12/2022 00:13	0.1	1.8	14.5	1	0	10/12/2022 19:00	1007	0.00	-1.5
12/12/2022 01:43	0.0	1.8	14.6	1	0	10/12/2022 20:00	1007	0.00	-1.7
12/12/2022 03:13	0.0	1.8	14.6	1	0	10/12/2022 21:00	1007	0.00	-2.2
12/12/2022 04:43	0.0	1.6	14.7	1	0	10/12/2022 22:00	1007	0.00	-2.3

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
12/12/2022 06:13	0.0	1.6	14.7	2	0	10/12/2022 23:00	1006	0.00	-2.0
12/12/2022 07:43	0.1	1.7	14.8	2	0	11/12/2022 00:00	1007	0.00	-1.8
12/12/2022 09:13	0.0	1.6	14.9	1	0	11/12/2022 01:00	1006	0.00	-1.7
12/12/2022 10:43	0.1	1.5	14.9	1	0	11/12/2022 02:00	1006	0.00	-2.0
12/12/2022 12:13	0.1	1.5	14.9	1	0	11/12/2022 03:00	1006	0.00	-1.6
12/12/2022 13:43	0.1	1.6	14.9	1	0	11/12/2022 04:00	1005	0.00	-1.9
12/12/2022 15:13	0.0	1.6	14.9	1	0	11/12/2022 05:00	1005	0.00	-1.7
12/12/2022 16:43	0.0	1.7	14.9	1	0	11/12/2022 06:00	1005	0.00	-1.4
12/12/2022 18:13	0.0	1.5	14.9	2	0	11/12/2022 07:00	1005	0.00	-1.3
12/12/2022 19:43	0.0	1.5	14.9	2	0	11/12/2022 08:00	1005	0.00	-1.3
12/12/2022 21:13	0.0	1.5	14.9	1	0	11/12/2022 09:00	1005	0.00	-1.6
12/12/2022 22:43	0.0	1.5	15.0	1	0	11/12/2022 10:00	1005	0.00	-1.7
13/12/2022 00:13	0.0	1.4	15.0	1	0	11/12/2022 11:00	1005	0.00	-1.3
13/12/2022 01:43	0.0	1.5	15.0	1	0	11/12/2022 12:00	1005	0.00	-0.8
13/12/2022 03:13	0.1	1.4	15.0	2	0	11/12/2022 13:00	1005	0.00	-0.5
13/12/2022 04:43	0.0	1.4	15.0	1	1	11/12/2022 14:00	1005	0.00	-0.3
13/12/2022 06:13	0.1	1.5	15.0	1	0	11/12/2022 15:00	1005	0.00	0.0
13/12/2022 07:43	0.1	1.5	15.0	2	0	11/12/2022 16:00	1005	0.00	0.3
13/12/2022 09:13	0.1	1.5	15.0	1	0	11/12/2022 17:00	1006	0.00	0.3
13/12/2022 10:43	0.1	1.5	15.0	1	0	11/12/2022 18:00	1006	0.00	-0.5
13/12/2022 12:13	0.1	1.5	15.0	1	1	11/12/2022 19:00	1006	0.00	-1.0
13/12/2022 13:43	0.1	1.5	14.9	1	1	11/12/2022 20:00	1006	0.00	-1.0
13/12/2022 15:13	0.1	1.4	14.9	1	0	11/12/2022 21:00	1007	0.00	-1.4
13/12/2022 16:43	0.1	1.5	14.9	1	0	11/12/2022 22:00	1007	0.00	-2.2
13/12/2022 18:13	0.1	1.4	14.9	1	0	11/12/2022 23:00	1007	0.00	-2.8
13/12/2022 19:43	0.0	1.4	14.9	1	0	12/12/2022 00:00	1007	0.00	-3.1
13/12/2022 21:13	0.0	1.4	14.9	2	0	12/12/2022 01:00	1007	0.00	-3.4
13/12/2022 22:43	0.0	1.4	14.9	1	0	12/12/2022 02:00	1008	0.00	-3.7
14/12/2022 00:13	0.1	1.4	14.9	1	0	12/12/2022 03:00	1008	0.00	-3.8
14/12/2022 01:43	0.1	1.4	14.9	2	0	12/12/2022 04:00	1008	0.00	-4.2
14/12/2022 03:13	0.1	1.4	14.9	1	0	12/12/2022 05:00	1007	0.00	-4.4
14/12/2022 04:43	0.1	1.4	15.0	2	0	12/12/2022 06:00	1007	0.00	-4.6
14/12/2022 06:13	0.1	1.3	15.0	1	0	12/12/2022 07:00	1007	0.00	-4.9
14/12/2022 07:43	0.1	1.3	15.0	1	1	12/12/2022 08:00	1007	0.00	-5.1
14/12/2022 09:13	0.1	1.3	15.0	1	0	12/12/2022 09:00	1007	0.00	-5.2
14/12/2022 10:43	0.0	1.3	15.0	1	0	12/12/2022 10:00	1007	0.00	-4.8
14/12/2022 12:13	0.0	1.3	15.0	2	1	12/12/2022 11:00	1007	0.00	-4.0
14/12/2022 13:43	0.1	1.4	15.0	1	0	12/12/2022 12:00	1006	0.00	-3.4
14/12/2022 15:13	0.1	1.3	15.0	1	0	12/12/2022 13:00	1006	0.00	-3.0
14/12/2022 16:43	0.1	1.3	15.0	2	0	12/12/2022 14:00	1006	0.00	-2.6
14/12/2022 18:13	0.1	1.3	15.0	1	0	12/12/2022 15:00	1006	0.00	-2.8
14/12/2022 19:43	0.0	1.3	15.0	1	0	12/12/2022 16:00	1006	0.00	-2.5
14/12/2022 21:13	0.1	1.3	15.0	1	0	12/12/2022 17:00	1006	0.00	-2.2
14/12/2022 22:43	0.1	1.3	15.1	1	0	12/12/2022 18:00	1006	0.00	-1.9
15/12/2022 00:13	0.1	1.2	15.1	1	0	12/12/2022 19:00	1006	0.00	-1.8
15/12/2022 01:43	0.0	1.1	15.2	1	0	12/12/2022 20:00	1006	0.00	-2.3
15/12/2022 03:13	0.1	1.1	15.3	2	0	12/12/2022 21:00	1006	0.00	-2.7
15/12/2022 04:43	0.1	1.1	15.3	1	0	12/12/2022 22:00	1006	0.00	-3.3
15/12/2022 06:13	0.0	1.0	15.4	1	0	12/12/2022 23:00	1006	0.00	-3.4
15/12/2022 07:43	0.1	1.0	15.5	1	0	13/12/2022 00:00	1006	0.00	-3.1
15/12/2022 09:13	0.0	1.0	15.6	2	0	13/12/2022 01:00	1006	0.00	-2.6
15/12/2022 10:43	0.0	1.0	15.6	1	0	13/12/2022 02:00	1006	0.00	-2.4
15/12/2022 12:13	0.0	1.0	15.6	1	1	13/12/2022 03:00	1006	0.00	-2.2
15/12/2022 13:43	0.1	1.0	15.5	1	0	13/12/2022 04:00	1006	0.00	-2.3
15/12/2022 15:13	0.1	1.1	15.4	1	0	13/12/2022 05:00	1005	0.00	-2.4
15/12/2022 16:43	0.1	1.1	15.4	1	0	13/12/2022 06:00	1005	0.00	-2.3
15/12/2022 18:13	0.0	1.1	15.5	1	0	13/12/2022 07:00	1005	0.00	-2.4
15/12/2022 19:43	0.1	1.0	15.5	1	0	13/12/2022 08:00	1005	0.00	-1.9
15/12/2022 21:13	0.1	1.0	15.5	1	0	13/12/2022 09:00	1005	0.00	-1.5
15/12/2022 22:43	0.1	0.9	15.6	1	0	13/12/2022 10:00	1005	0.00	-1.1
16/12/2022 00:13	0.1	0.9	15.6	1	0	13/12/2022 11:00	1005	0.00	-0.5
16/12/2022 01:43	0.1	0.9	15.6	2	0	13/12/2022 12:00	1004	0.00	0.1
16/12/2022 03:13	0.1	0.9	15.7	1	0	13/12/2022 13:00	1004	0.00	0.9
16/12/2022 04:43	0.1	0.8	15.7	2	0	13/12/2022 14:00	1003	0.00	1.2
16/12/2022 06:13	0.1	0.8	15.8	1	0	13/12/2022 15:00	1003	0.00	0.9
16/12/2022 07:43	0.1	0.8	15.8	1	0	13/12/2022 16:00	1003	0.00	0.7
16/12/2022 09:13	0.1	0.8	15.9	1	0	13/12/2022 17:00	1002	0.00	0.5
16/12/2022 10:43	0.1	0.8	15.9	1	1	13/12/2022 18:00	1002	0.00	0.4
16/12/2022 12:13	0.1	0.8	15.8	2	0	13/12/2022 19:00	1002	0.00	0.2
16/12/2022 13:43	0.0	0.8	15.7	1	0	13/12/2022 20:00	1002	0.00	0.1
16/12/2022 15:13	0.1	0.8	15.7	1	0	13/12/2022 21:00	1002	0.00	-0.1
16/12/2022 16:43	0.1	0.9	15.7	1	0	13/12/2022 22:00	1002	0.00	-0.2
16/12/2022 18:13	0.1	0.9	15.7	1	0	13/12/2022 23:00	1002	0.00	-0.4
16/12/2022 19:43	0.1	0.9	15.7	1	0	14/12/2022 00:00	1002	0.00	-0.6
16/12/2022 21:13	0.1	0.9	15.6	1	0	14/12/2022 01:00	1002	0.00	-0.8
16/12/2022 22:43	0.1	0.9	15.6	1	0	14/12/2022 02:00	1002	0.00	-1.1
17/12/2022 00:13	0.1	0.9	15.5	1	0	14/12/2022 03:00	1003	0.00	-1.2
17/12/2022 01:43	0.1	1.0	15.5	1	0	14/12/2022 04:00	1003	0.00	-1.6
17/12/2022 03:13	0.1	1.0	15.4	1	0	14/12/2022 05:00	1003	0.00	-1.9
17/12/2022 04:43	0.1	1.0	15.3	1	0	14/12/2022 06:00	1003	0.00	-2.2
17/12/2022 06:13	0.1	1.1	15.3	2	0	14/12/2022 07:00	1003	0.00	-2.6
17/12/2022 07:43	0.1	1.0	15.2	1	1	14/12/2022 08:00	1004	0.00	-2.8
17/12/2022 09:13	0.1	1.1	15.1	1	0	14/12/2022 09:00	1005	0.00	-3.1
17/12/2022 10:43	0.1	1.1	15.1	1	0	14/12/2022 10:00	1005	0.00	-3.1
17/12/2022 12:13	0.1	1.2	15.0	1	0	14/12/2022 11:00	1006	0.00	-2.2

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
17/12/2022 13:43	0.1	1.2	14.9	1	0	14/12/2022 12:00	1005	0.00	-1.5
17/12/2022 15:13	0.1	1.2	14.8	1	0	14/12/2022 13:00	1006	0.00	-0.9
17/12/2022 16:43	0.1	1.3	14.8	1	1	14/12/2022 14:00	1006	0.00	-0.5
17/12/2022 18:13	0.1	1.2	14.7	1	0	14/12/2022 15:00	1006	0.00	-0.8
17/12/2022 19:43	0.1	1.2	14.6	1	0	14/12/2022 16:00	1007	0.00	-1.2
17/12/2022 21:13	0.1	1.2	14.6	2	0	14/12/2022 17:00	1007	0.00	-2.0
17/12/2022 22:43	0.1	1.2	14.5	2	0	14/12/2022 18:00	1008	0.00	-2.6
18/12/2022 00:13	0.0	1.2	14.5	2	0	14/12/2022 19:00	1008	0.00	-3.1
18/12/2022 01:43	0.0	1.2	14.4	1	0	14/12/2022 20:00	1008	0.00	-3.7
18/12/2022 03:13	0.1	1.3	14.3	1	0	14/12/2022 21:00	1008	0.00	-3.5
18/12/2022 04:43	0.1	1.3	14.2	1	0	14/12/2022 22:00	1009	0.00	-3.7
18/12/2022 06:13	0.1	1.3	14.2	1	0	14/12/2022 23:00	1009	0.00	-4.4
18/12/2022 07:43	0.1	1.3	14.1	1	0	15/12/2022 00:00	1009	0.00	-4.9
18/12/2022 09:13	0.1	1.3	14.1	2	0	15/12/2022 01:00	1010	0.00	-5.5
18/12/2022 10:43	0.1	1.3	14.0	1	0	15/12/2022 02:00	1010	0.00	-5.8
18/12/2022 12:13	0.0	1.3	13.9	2	0	15/12/2022 03:00	1010	0.00	-6.1
18/12/2022 13:43	0.1	1.4	13.8	1	0	15/12/2022 04:00	1010	0.00	-6.2
18/12/2022 15:13	0.1	1.5	13.7	1	0	15/12/2022 05:00	1010	0.00	-6.3
18/12/2022 16:43	0.1	1.7	13.5	1	0	15/12/2022 06:00	1010	0.00	-6.4
18/12/2022 18:13	0.1	1.6	13.4	1	0	15/12/2022 07:00	1010	0.00	-6.5
18/12/2022 19:43	0.1	1.8	13.3	2	0	15/12/2022 08:00	1010	0.00	-6.8
18/12/2022 21:13	0.0	1.8	13.2	1	0	15/12/2022 09:00	1011	0.00	-6.9
18/12/2022 22:43	0.1	1.9	13.1	1	0	15/12/2022 10:00	1011	0.00	-6.6
19/12/2022 00:13	0.1	1.9	13.1	1	0	15/12/2022 11:00	1012	0.00	-5.6
19/12/2022 01:43	0.0	2.0	13.0	1	0	15/12/2022 12:00	1011	0.00	-4.4
19/12/2022 03:13	0.0	2.1	12.9	1	0	15/12/2022 13:00	1011	-0.29	-3.2
19/12/2022 04:43	0.0	2.1	12.8	1	0	15/12/2022 14:00	1011	0.00	-2.3
19/12/2022 06:13	0.0	2.2	12.7	1	0	15/12/2022 15:00	1011	0.00	-1.4
19/12/2022 07:43	0.1	2.2	12.6	1	1	15/12/2022 16:00	1011	0.00	-1.1
19/12/2022 09:13	0.0	2.2	12.5	1	0	15/12/2022 17:00	1012	0.00	-2.0
19/12/2022 10:43	0.0	2.3	12.4	1	0	15/12/2022 18:00	1012	0.00	-2.7
19/12/2022 12:13	0.0	2.3	12.3	1	0	15/12/2022 19:00	1013	0.00	-3.5
19/12/2022 13:43	0.0	2.4	12.3	1	0	15/12/2022 20:00	1013	0.00	-3.9
19/12/2022 15:13	0.1	2.3	12.2	1	0	15/12/2022 21:00	1014	0.00	-4.1
19/12/2022 16:43	0.0	2.4	12.1	1	0	15/12/2022 22:00	1014	0.00	-4.6
19/12/2022 18:13	0.1	2.4	12.1	1	0	15/12/2022 23:00	1015	0.00	-5.1
19/12/2022 19:43	0.0	2.4	12.0	1	0	16/12/2022 00:00	1015	0.00	-5.3
19/12/2022 21:13	0.0	2.5	12.0	1	0	16/12/2022 01:00	1015	0.00	-5.4
19/12/2022 22:43	0.0	2.4	11.9	1	0	16/12/2022 02:00	1015	0.00	-5.5
20/12/2022 00:13	0.0	2.4	11.9	2	1	16/12/2022 03:00	1016	0.00	-5.5
20/12/2022 01:43	0.0	2.5	11.9	1	0	16/12/2022 04:00	1016	0.00	-5.7
20/12/2022 03:13	0.0	2.5	11.9	2	0	16/12/2022 05:00	1016	0.00	-5.9
20/12/2022 04:43	0.0	2.5	11.8	2	0	16/12/2022 06:00	1016	0.00	-6.1
20/12/2022 06:13	0.0	2.4	11.8	1	0	16/12/2022 07:00	1016	0.00	-6.1
20/12/2022 07:43	0.0	2.4	11.7	1	0	16/12/2022 08:00	1017	0.00	-6.4
20/12/2022 09:13	0.0	2.4	11.7	1	0	16/12/2022 09:00	1017	0.00	-6.4
20/12/2022 10:43	0.0	2.5	11.6	1	0	16/12/2022 10:00	1018	0.00	-5.7
20/12/2022 12:13	0.0	2.5	11.4	1	1	16/12/2022 11:00	1018	0.00	-5.0
20/12/2022 13:43	0.1	2.6	11.4	1	0	16/12/2022 12:00	1017	0.00	-3.9
20/12/2022 15:13	0.0	2.6	11.3	1	0	16/12/2022 13:00	1017	0.00	-3.0
20/12/2022 16:43	0.0	2.6	11.2	1	1	16/12/2022 14:00	1017	0.00	-2.2
20/12/2022 18:13	0.0	2.6	11.2	2	0	16/12/2022 15:00	1017	0.00	-1.6
20/12/2022 19:43	0.0	2.6	11.1	1	0	16/12/2022 16:00	1017	0.00	-1.7
20/12/2022 21:13	0.0	2.6	11.0	1	1	16/12/2022 17:00	1017	0.00	-2.1
20/12/2022 22:43	0.0	2.6	10.9	1	0	16/12/2022 18:00	1017	0.00	-1.9
21/12/2022 00:13	0.0	2.6	10.8	1	0	16/12/2022 19:00	1017	0.00	-1.5
21/12/2022 01:43	0.0	2.7	10.8	1	0	16/12/2022 20:00	1017	0.00	-1.4
21/12/2022 03:13	0.0	2.7	10.7	1	1	16/12/2022 21:00	1018	0.00	-1.1
21/12/2022 04:43	0.0	2.7	10.7	1	0	16/12/2022 22:00	1018	0.00	-0.9
21/12/2022 06:13	0.0	2.7	10.6	1	0	16/12/2022 23:00	1018	0.00	-0.7
21/12/2022 07:43	0.0	2.7	10.5	1	0	17/12/2022 00:00	1018	0.00	-0.3
21/12/2022 09:13	0.0	2.7	10.5	1	0	17/12/2022 01:00	1017	0.00	0.2
21/12/2022 10:43	0.0	2.7	10.4	2	0	17/12/2022 02:00	1017	0.00	0.4
21/12/2022 12:13	0.0	2.8	10.3	1	1	17/12/2022 03:00	1017	0.00	0.3
21/12/2022 13:43	0.0	2.9	10.3	1	0	17/12/2022 04:00	1017	0.00	0.7
21/12/2022 15:13	0.0	2.8	10.2	1	0	17/12/2022 05:00	1017	0.00	1.1
21/12/2022 16:43	0.0	2.9	10.2	1	0	17/12/2022 06:00	1017	0.00	1.3
21/12/2022 18:13	0.0	2.8	10.2	1	0	17/12/2022 07:00	1017	0.00	1.3
21/12/2022 19:43	0.0	2.8	10.1	1	0	17/12/2022 08:00	1017	0.00	1.4
21/12/2022 21:13	0.0	2.8	10.1	1	0	17/12/2022 09:00	1017	0.00	1.6
21/12/2022 22:43	0.0	2.9	10.0	2	0	17/12/2022 10:00	1018	0.00	2.1
22/12/2022 00:13	0.1	2.8	10.0	1	0	17/12/2022 11:00	1018	0.00	2.4
22/12/2022 01:43	0.0	2.9	10.0	2	0	17/12/2022 12:00	1017	0.00	2.8
22/12/2022 03:13	0.0	2.9	9.9	1	0	17/12/2022 13:00	1017	0.00	3.1
22/12/2022 04:43	0.0	2.9	9.8	1	0	17/12/2022 14:00	1017	0.00	3.3
22/12/2022 06:13	0.0	2.9	9.8	1	0	17/12/2022 15:00	1017	0.00	3.1
22/12/2022 07:43	0.0	2.9	9.7	1	0	17/12/2022 16:00	1017	0.00	2.5
22/12/2022 09:13	0.0	2.9	9.7	1	0	17/12/2022 17:00	1017	0.00	1.8
22/12/2022 10:43	0.0	3.1	9.7	1	0	17/12/2022 18:00	1017	0.00	2.0
22/12/2022 12:13	0.0	3.1	9.6	2	1	17/12/2022 19:00	1018	0.00	1.4
22/12/2022 13:43	0.0	3.1	9.6	2	0	17/12/2022 20:00	1018	0.00	0.8
22/12/2022 15:13	0.0	3.1	9.5	2	0	17/12/2022 21:00	1018	0.00	0.1
22/12/2022 16:43	0.0	3.2	9.5	1	0	17/12/2022 22:00	1017	0.00	-0.5
22/12/2022 18:13	0.0	3.1	9.5	1	0	17/12/2022 23:00	1017	0.00	-0.8
22/12/2022 19:43	0.0	3.1	9.5	1	0	18/12/2022 00:00	1016	0.00	-0.9

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
22/12/2022 21:13	0.0	3.1	9.4	2	0	18/12/2022 01:00	1016	0.00	-0.9
22/12/2022 22:43	0.0	3.2	9.4	1	0	18/12/2022 02:00	1015	0.00	-0.8
23/12/2022 00:13	0.0	3.2	9.3	1	0	18/12/2022 03:00	1015	0.00	-0.6
23/12/2022 01:43	0.0	3.2	9.3	2	0	18/12/2022 04:00	1013	-0.29	-0.3
23/12/2022 03:13	0.0	3.2	9.3	2	0	18/12/2022 05:00	1013	0.00	0.2
23/12/2022 04:43	0.0	3.2	9.2	1	0	18/12/2022 06:00	1012	0.29	0.5
23/12/2022 06:13	0.0	3.2	9.2	1	1	18/12/2022 07:00	1012	0.57	0.7
23/12/2022 07:43	0.0	3.2	9.1	1	1	18/12/2022 08:00	1010	-0.05	0.9
23/12/2022 09:13	0.0	3.2	9.1	1	0	18/12/2022 09:00	1009	0.29	1.1
23/12/2022 10:43	0.0	3.3	9.1	1	1	18/12/2022 10:00	1008	0.67	1.4
23/12/2022 12:13	0.0	3.3	9.1	1	0	18/12/2022 11:00	1007	0.00	1.8
23/12/2022 13:43	0.0	3.3	9.0	1	0	18/12/2022 12:00	1006	0.34	2.4
23/12/2022 15:13	0.0	3.4	9.0	2	0	18/12/2022 13:00	1004	0.00	3.0
23/12/2022 16:43	0.0	3.4	9.0	1	0	18/12/2022 14:00	1003	0.00	3.8
23/12/2022 18:13	0.0	3.3	9.0	1	0	18/12/2022 15:00	1002	0.00	4.9
23/12/2022 19:43	0.0	3.4	9.0	1	0	18/12/2022 16:00	1001	0.00	5.5
23/12/2022 21:13	0.0	3.4	8.9	1	0	18/12/2022 17:00	1001	0.00	6.0
23/12/2022 22:43	0.0	3.3	8.9	2	0	18/12/2022 18:00	1000	0.00	6.6
24/12/2022 00:13	0.0	3.4	8.9	1	1	18/12/2022 19:00	1000	0.29	7.0
24/12/2022 01:43	0.0	3.4	8.9	1	0	18/12/2022 20:00	1000	0.00	7.4
24/12/2022 03:13	0.0	3.5	8.9	1	0	18/12/2022 21:00	999	0.00	7.7
24/12/2022 04:43	0.0	3.4	8.9	1	1	18/12/2022 22:00	999	0.00	8.1
24/12/2022 06:13	0.0	3.4	8.9	1	0	18/12/2022 23:00	999	0.00	8.2
24/12/2022 07:43	0.0	3.4	8.9	1	0	19/12/2022 00:00	999	0.00	8.4
24/12/2022 09:13	0.0	3.4	8.9	1	0	19/12/2022 01:00	999	0.00	8.3
24/12/2022 10:43	0.0	3.4	8.9	2	0	19/12/2022 02:00	999	0.00	8.3
24/12/2022 12:13	0.0	3.4	8.9	1	0	19/12/2022 03:00	999	0.00	8.8
24/12/2022 13:43	0.0	3.4	8.9	1	0	19/12/2022 04:00	999	0.00	9.0
24/12/2022 15:13	0.0	3.4	8.9	1	0	19/12/2022 05:00	998	0.00	9.1
24/12/2022 16:43	0.0	3.4	8.9	1	1	19/12/2022 06:00	998	0.00	9.2
24/12/2022 18:13	0.0	3.5	8.9	2	0	19/12/2022 07:00	999	0.00	9.2
24/12/2022 19:43	0.0	3.4	8.8	1	0	19/12/2022 08:00	998	0.00	9.4
24/12/2022 21:13	0.0	3.4	8.8	1	0	19/12/2022 09:00	998	0.29	9.5
24/12/2022 22:43	0.0	3.4	8.8	1	0	19/12/2022 10:00	998	2.58	9.6
25/12/2022 00:13	0.0	3.4	8.8	1	0	19/12/2022 11:00	997	0.29	9.7
25/12/2022 01:43	0.0	3.4	8.8	1	0	19/12/2022 12:00	997	0.29	9.9
25/12/2022 03:13	0.0	3.4	8.8	1	0	19/12/2022 13:00	998	0.00	10.1
25/12/2022 04:43	0.0	3.4	8.8	1	0	19/12/2022 14:00	998	0.00	10.3
25/12/2022 06:13	0.0	3.5	8.7	1	0	19/12/2022 15:00	998	0.00	10.3
25/12/2022 07:43	0.0	3.4	8.7	1	0	19/12/2022 16:00	999	0.00	10.1
25/12/2022 09:13	0.0	3.4	8.7	1	1	19/12/2022 17:00	999	0.00	9.8
25/12/2022 10:43	0.0	3.4	8.7	1	1	19/12/2022 18:00	999	0.00	9.7
25/12/2022 12:13	0.0	3.4	8.6	1	0	19/12/2022 19:00	999	0.00	9.4
25/12/2022 13:43	0.0	3.5	8.6	1	0	19/12/2022 20:00	999	0.00	9.2
25/12/2022 15:13	0.0	3.5	8.6	1	0	19/12/2022 21:00	999	0.00	9.0
25/12/2022 16:43	0.0	3.5	8.6	1	1	19/12/2022 22:00	999	0.00	8.8
25/12/2022 18:13	0.0	3.5	8.6	1	0	19/12/2022 23:00	999	0.00	8.5
25/12/2022 19:43	0.0	3.6	8.5	1	0	20/12/2022 00:00	999	0.00	8.3
25/12/2022 21:13	0.0	3.5	8.5	2	0	20/12/2022 01:00	1000	0.00	8.1
25/12/2022 22:43	0.0	3.5	8.5	1	0	20/12/2022 02:00	1000	0.00	7.6
26/12/2022 00:13	0.0	3.6	8.4	1	0	20/12/2022 03:00	1000	0.00	7.2
26/12/2022 01:43	0.0	3.6	8.4	1	0	20/12/2022 04:00	1001	0.00	6.4
26/12/2022 03:13	0.0	3.6	8.5	2	0	20/12/2022 05:00	1001	0.00	5.4
26/12/2022 04:43	0.0	3.5	8.5	1	1	20/12/2022 06:00	1002	0.00	4.6
26/12/2022 06:13	0.0	3.5	8.5	1	0	20/12/2022 07:00	1002	0.00	4.6
26/12/2022 07:43	0.0	3.5	8.5	1	1	20/12/2022 08:00	1003	0.00	4.7
26/12/2022 09:13	0.0	3.5	8.6	1	0	20/12/2022 09:00	1004	0.00	4.6
26/12/2022 10:43	0.0	3.5	8.7	1	0	20/12/2022 10:00	1004	0.00	4.9
26/12/2022 12:13	0.0	3.4	8.7	1	1	20/12/2022 11:00	1004	0.00	5.9
26/12/2022 13:43	0.0	3.5	8.7	1	0	20/12/2022 12:00	1004	0.00	6.4
26/12/2022 15:13	0.0	3.5	8.7	2	0	20/12/2022 13:00	1004	0.00	7.2
26/12/2022 16:43	0.0	3.4	8.7	1	0	20/12/2022 14:00	1004	0.00	7.0
26/12/2022 18:13	0.0	3.4	8.7	1	0	20/12/2022 15:00	1004	0.00	7.0
26/12/2022 19:43	0.0	3.5	8.7	1	0	20/12/2022 16:00	1005	0.00	6.5
26/12/2022 21:13	0.0	3.4	8.7	1	0	20/12/2022 17:00	1005	0.00	5.7
26/12/2022 22:43	0.0	3.5	8.8	1	0	20/12/2022 18:00	1005	0.00	5.4
27/12/2022 00:13	0.0	3.4	8.8	1	0	20/12/2022 19:00	1005	0.00	5.6
27/12/2022 01:43	0.0	3.4	8.8	1	0	20/12/2022 20:00	1005	0.29	5.6
27/12/2022 03:13	0.0	3.4	8.9	1	0	20/12/2022 21:00	1005	0.00	5.8
27/12/2022 04:43	0.0	3.4	8.9	1	0	20/12/2022 22:00	1005	0.00	5.9
27/12/2022 06:13	0.0	3.3	8.9	1	0	20/12/2022 23:00	1004	0.00	6.0
27/12/2022 07:43	0.0	3.4	8.9	1	0	21/12/2022 00:00	1004	0.00	6.2
27/12/2022 09:13	0.0	3.4	8.8	1	0	21/12/2022 01:00	1004	0.00	6.2
27/12/2022 10:43	0.0	3.5	8.7	1	0	21/12/2022 02:00	1003	0.00	6.4
27/12/2022 12:13	0.0	3.5	8.6	2	0	21/12/2022 03:00	1003	0.00	6.4
27/12/2022 13:43	0.0	3.5	8.6	2	0	21/12/2022 04:00	1003	0.00	6.3
27/12/2022 15:13	0.0	3.6	8.5	1	1	21/12/2022 05:00	1003	0.00	6.5
27/12/2022 16:43	0.0	3.5	8.5	1	0	21/12/2022 06:00	1002	0.00	6.5
27/12/2022 18:13	0.0	3.6	8.4	2	0	21/12/2022 07:00	1002	0.00	6.3
27/12/2022 19:43	0.0	3.7	8.4	1	0	21/12/2022 08:00	1002	0.00	6.2
27/12/2022 21:13	0.0	3.7	8.3	1	0	21/12/2022 09:00	1002	0.00	5.6
27/12/2022 22:43	0.0	3.7	8.3	1	0	21/12/2022 10:00	1003	0.00	5.7
28/12/2022 00:13	0.0	3.6	8.3	1	0	21/12/2022 11:00	1003	0.00	5.6
28/12/2022 01:43	0.0	3.7	8.3	1	0	21/12/2022 12:00	1002	0.00	6.3
28/12/2022 03:13	0.0	3.5	8.2	1	0	21/12/2022 13:00	1002	0.00	6.5

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
28/12/2022 04:43	0.0	3.6	8.2	1	0	21/12/2022 14:00	1001	0.00	6.4
28/12/2022 06:13	0.0	3.6	8.1	2	0	21/12/2022 15:00	1001	0.00	6.1
28/12/2022 07:43	0.0	3.6	8.1	1	0	21/12/2022 16:00	1001	0.00	5.4
28/12/2022 09:13	0.0	3.6	8.0	1	0	21/12/2022 17:00	1001	0.00	4.5
28/12/2022 10:43	0.0	3.6	7.9	1	0	21/12/2022 18:00	1001	0.00	4.2
28/12/2022 12:13	0.0	3.7	7.8	1	0	21/12/2022 19:00	1001	0.00	4.0
28/12/2022 13:43	0.0	3.7	7.8	1	0	21/12/2022 20:00	1000	0.00	4.0
28/12/2022 15:13	0.0	3.7	7.8	2	0	21/12/2022 21:00	1001	0.00	4.2
28/12/2022 16:43	0.0	3.7	7.7	1	1	21/12/2022 22:00	1001	0.00	4.1
28/12/2022 18:13	0.0	3.8	7.7	1	0	21/12/2022 23:00	1001	0.00	4.1
28/12/2022 19:43	0.0	3.7	7.6	1	1	22/12/2022 00:00	1001	0.00	4.2
28/12/2022 21:13	0.0	3.7	7.6	1	0	22/12/2022 01:00	1000	0.00	4.4
28/12/2022 22:43	0.0	3.9	7.5	2	0	22/12/2022 02:00	1001	0.00	4.8
29/12/2022 00:13	0.0	3.8	7.5	2	1	22/12/2022 03:00	1000	0.00	5.2
29/12/2022 01:43	0.0	3.7	7.5	1	0	22/12/2022 04:00	1000	0.00	5.7
29/12/2022 03:13	0.0	3.8	7.4	1	0	22/12/2022 05:00	1000	0.00	6.0
29/12/2022 04:43	0.0	3.8	7.4	1	0	22/12/2022 06:00	999	0.00	6.4
29/12/2022 06:13	0.0	3.8	7.4	1	0	22/12/2022 07:00	999	0.00	6.8
29/12/2022 07:43	0.0	3.8	7.4	2	0	22/12/2022 08:00	999	0.00	7.1
29/12/2022 09:13	0.0	3.7	7.4	1	0	22/12/2022 09:00	999	0.00	7.4
29/12/2022 10:43	0.0	3.7	7.4	1	0	22/12/2022 10:00	999	0.00	8.0
29/12/2022 12:13	0.0	3.9	7.3	1	0	22/12/2022 11:00	999	0.00	8.4
29/12/2022 13:43	0.0	3.8	7.3	2	0	22/12/2022 12:00	998	0.00	8.8
29/12/2022 15:13	0.0	3.7	7.3	2	1	22/12/2022 13:00	998	0.00	9.2
29/12/2022 16:43	0.0	3.8	7.3	1	0	22/12/2022 14:00	998	0.00	9.3
29/12/2022 18:13	0.0	3.9	7.3	1	0	22/12/2022 15:00	999	0.00	9.6
29/12/2022 19:43	0.0	3.9	7.3	1	0	22/12/2022 16:00	1000	0.00	9.4
29/12/2022 21:13	0.0	3.9	7.3	1	0	22/12/2022 17:00	1001	0.00	9.0
29/12/2022 22:43	0.0	3.7	7.2	1	0	22/12/2022 18:00	1001	0.00	8.7
30/12/2022 00:13	0.0	3.8	7.2	1	1	22/12/2022 19:00	1002	0.00	8.4
30/12/2022 01:43	0.0	3.7	7.2	1	0	22/12/2022 20:00	1002	0.00	8.1
30/12/2022 03:13	0.0	3.7	7.2	1	0	22/12/2022 21:00	1002	0.00	7.9
30/12/2022 04:43	0.0	3.8	7.2	1	0	22/12/2022 22:00	1002	0.00	7.7
30/12/2022 06:13	0.0	3.7	7.2	2	0	22/12/2022 23:00	1003	0.00	7.6
30/12/2022 07:43	0.0	3.7	7.2	1	0	23/12/2022 00:00	1003	0.00	7.4
30/12/2022 09:13	0.0	3.7	7.2	1	1	23/12/2022 01:00	1002	0.00	7.3
30/12/2022 10:43	0.0	3.7	7.2	1	0	23/12/2022 02:00	1001	0.00	7.2
30/12/2022 12:13	0.0	3.9	7.2	1	0	23/12/2022 03:00	1000	0.00	7.1
30/12/2022 13:43	0.0	3.8	7.2	1	0	23/12/2022 04:00	1000	0.00	7.1
30/12/2022 15:13	0.0	3.8	7.2	1	0	23/12/2022 05:00	998	0.00	7.0
30/12/2022 16:43	0.0	3.9	7.2	1	0	23/12/2022 06:00	997	0.00	6.9
30/12/2022 18:13	0.0	3.9	7.2	1	0	23/12/2022 07:00	995	0.00	7.1
30/12/2022 19:43	0.0	3.9	7.2	1	0	23/12/2022 08:00	995	0.00	7.2
30/12/2022 21:13	0.0	3.9	7.2	1	0	23/12/2022 09:00	995	0.38	7.4
30/12/2022 22:43	0.0	3.9	7.2	1	0	23/12/2022 10:00	995	1.43	8.2
31/12/2022 00:13	0.0	3.8	7.2	1	0	23/12/2022 11:00	996	0.57	8.7
31/12/2022 01:43	0.0	3.8	7.2	1	0	23/12/2022 12:00	996	1.01	9.1
31/12/2022 03:13	0.0	3.8	7.2	1	0	23/12/2022 13:00	997	0.29	9.3
31/12/2022 04:43	0.0	3.9	7.2	1	1	23/12/2022 14:00	998	0.00	9.2
31/12/2022 06:13	0.0	3.8	7.2	2	1	23/12/2022 15:00	999	0.00	9.0
31/12/2022 07:43	0.0	3.8	7.2	1	0	23/12/2022 16:00	999	0.00	8.8
31/12/2022 09:13	0.0	3.8	7.2	1	1	23/12/2022 17:00	1000	0.00	8.5
31/12/2022 10:43	0.0	3.9	7.2	1	0	23/12/2022 18:00	1000	0.00	7.9
31/12/2022 12:13	0.0	3.9	7.2	1	0	23/12/2022 19:00	1000	0.00	7.9
31/12/2022 13:43	0.0	3.9	7.2	1	0	23/12/2022 20:00	1001	0.00	8.2
31/12/2022 15:13	0.0	3.8	7.2	1	0	23/12/2022 21:00	1001	0.00	8.0
31/12/2022 16:43	0.0	3.9	7.2	1	1	23/12/2022 22:00	1002	0.00	7.8
31/12/2022 18:13	0.0	3.9	7.2	2	0	23/12/2022 23:00	1002	0.00	8.2
31/12/2022 19:43	0.0	3.9	7.2	1	0	24/12/2022 00:00	1003	0.00	7.9
31/12/2022 21:13	0.0	3.9	7.3	2	0	24/12/2022 01:00	1004	0.00	7.4
31/12/2022 22:43	0.0	3.9	7.2	1	0	24/12/2022 02:00	1004	0.00	6.7
01/01/2023 00:13	0.0	3.9	7.2	1	0	24/12/2022 03:00	1005	0.00	5.9
01/01/2023 01:43	0.0	3.9	7.2	1	0	24/12/2022 04:00	1005	0.00	5.3
01/01/2023 03:13	0.0	3.9	7.2	1	0	24/12/2022 05:00	1005	0.00	4.5
01/01/2023 04:43	0.0	3.9	7.3	1	0	24/12/2022 06:00	1006	0.00	4.3
01/01/2023 06:13	0.0	3.9	7.3	1	1	24/12/2022 07:00	1006	0.00	4.5
01/01/2023 07:43	0.0	3.9	7.3	1	0	24/12/2022 08:00	1005	0.00	5.6
01/01/2023 09:13	0.0	4.1	7.3	1	0	24/12/2022 09:00	1006	0.00	6.2
01/01/2023 10:43	0.0	3.9	7.3	1	1	24/12/2022 10:00	1006	0.00	6.6
01/01/2023 12:13	0.0	4.1	7.3	1	0	24/12/2022 11:00	1006	0.00	7.1
01/01/2023 13:43	0.0	3.9	7.3	1	0	24/12/2022 12:00	1006	0.00	7.8
01/01/2023 15:13	0.0	4.1	7.3	1	1	24/12/2022 13:00	1005	0.00	8.4
01/01/2023 16:43	0.0	3.9	7.4	1	0	24/12/2022 14:00	1005	0.00	8.8
01/01/2023 18:13	0.0	4.1	7.4	1	0	24/12/2022 15:00	1004	0.00	8.8
01/01/2023 19:43	0.0	3.9	7.4	1	0	24/12/2022 16:00	1004	0.00	8.5
01/01/2023 21:13	0.0	3.9	7.4	1	0	24/12/2022 17:00	1004	0.00	8.4
01/01/2023 22:43	0.0	4.1	7.5	1	1	24/12/2022 18:00	1003	0.00	8.4
02/01/2023 00:13	0.0	4.1	7.5	2	0	24/12/2022 19:00	1003	0.00	8.3
02/01/2023 01:43	0.0	4.1	7.5	2	0	24/12/2022 20:00	1003	0.00	8.4
02/01/2023 03:13	0.0	3.9	7.6	2	1	24/12/2022 21:00	1004	0.00	8.1
02/01/2023 04:43	0.0	3.9	7.6	1	0	24/12/2022 22:00	1004	0.00	7.8
02/01/2023 06:13	0.0	3.9	7.7	1	0	24/12/2022 23:00	1004	0.00	7.8
02/01/2023 07:43	0.0	3.9	7.8	1	0	25/12/2022 00:00	1003	0.00	7.9
02/01/2023 09:13	0.0	3.9	7.9	1	0	25/12/2022 01:00	1004	0.00	7.9
02/01/2023 10:43	0.0	3.8	8.1	1	1	25/12/2022 02:00	1003	0.00	7.9

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
02/01/2023 12:13	0.0	3.8	8.2	1	0	25/12/2022 03:00	1003	0.00	8.1
02/01/2023 13:43	0.0	3.9	8.3	1	0	25/12/2022 04:00	1003	0.00	7.9
02/01/2023 15:13	0.0	3.8	8.3	1	0	25/12/2022 05:00	1002	0.00	8.0
02/01/2023 16:43	0.0	3.7	8.3	1	0	25/12/2022 06:00	1002	0.00	8.1
02/01/2023 18:13	0.0	3.7	8.4	1	1	25/12/2022 07:00	1002	0.00	8.0
02/01/2023 19:43	0.0	3.7	8.4	1	0	25/12/2022 08:00	1002	0.00	8.1
02/01/2023 21:13	0.0	3.7	8.5	1	1	25/12/2022 09:00	1002	0.00	8.1
02/01/2023 22:43	0.0	3.7	8.6	1	0	25/12/2022 10:00	1003	0.00	8.2
03/01/2023 00:13	0.0	3.7	8.7	1	0	25/12/2022 11:00	1002	0.00	8.3
03/01/2023 01:43	0.0	3.8	8.8	1	0	25/12/2022 12:00	1002	0.00	8.3
03/01/2023 03:13	0.0	3.7	8.7	1	0	25/12/2022 13:00	1002	0.00	8.6
03/01/2023 04:43	0.0	3.7	8.7	1	1	25/12/2022 14:00	1001	0.00	8.9
03/01/2023 06:13	0.0	3.7	8.6	1	0	25/12/2022 15:00	1001	0.00	8.9
03/01/2023 07:43	0.0	3.7	8.5	1	1	25/12/2022 16:00	1002	0.00	8.8
03/01/2023 09:13	0.0	3.7	8.4	2	0	25/12/2022 17:00	1002	0.00	8.7
03/01/2023 10:43	0.0	3.9	8.4	1	1	25/12/2022 18:00	1002	0.00	8.3
03/01/2023 12:13	0.0	3.9	8.3	1	1	25/12/2022 19:00	1002	0.00	8.4
03/01/2023 13:43	0.0	3.9	8.3	1	0	25/12/2022 20:00	1002	0.29	8.5
03/01/2023 15:13	0.0	3.9	8.2	1	1	25/12/2022 21:00	1001	3.14	8.6
03/01/2023 16:43	0.0	3.8	8.2	2	1	25/12/2022 22:00	1001	0.00	8.6
03/01/2023 18:13	0.0	4.1	8.1	2	0	25/12/2022 23:00	1003	0.00	8.3
03/01/2023 19:43	0.0	4.1	8.1	1	0	26/12/2022 00:00	1004	0.00	7.9
03/01/2023 21:13	0.0	3.9	8.1	1	0	26/12/2022 01:00	1006	0.00	7.0
03/01/2023 22:43	0.0	4.1	8.0	1	0	26/12/2022 02:00	1007	0.00	6.4
04/01/2023 00:13	0.0	4.1	8.0	1	1	26/12/2022 03:00	1008	0.00	6.0
04/01/2023 01:43	0.0	4.1	8.0	1	0	26/12/2022 04:00	1010	0.00	5.2
04/01/2023 03:13	0.0	4.1	7.9	2	1	26/12/2022 05:00	1011	0.00	4.4
04/01/2023 04:43	0.0	4.0	7.9	1	0	26/12/2022 06:00	1012	0.00	3.5
04/01/2023 06:13	0.0	4.1	7.9	1	0	26/12/2022 07:00	1012	0.00	2.6
04/01/2023 07:43	0.0	4.3	7.9	1	0	26/12/2022 08:00	1013	0.00	1.7
04/01/2023 09:13	0.0	4.3	7.9	1	0	26/12/2022 09:00	1014	0.00	1.3
04/01/2023 10:43	0.0	4.1	7.9	1	0	26/12/2022 10:00	1015	0.00	1.4
04/01/2023 12:13	0.0	4.3	7.9	1	0	26/12/2022 11:00	1016	0.00	1.7
04/01/2023 13:43	0.0	4.1	7.9	1	0	26/12/2022 12:00	1016	0.00	2.5
04/01/2023 15:13	0.0	4.3	7.9	1	0	26/12/2022 13:00	1016	0.00	3.3
04/01/2023 16:43	0.0	4.3	7.9	1	0	26/12/2022 14:00	1016	0.00	3.1
04/01/2023 18:13	0.0	4.3	7.9	2	0	26/12/2022 15:00	1016	0.00	3.7
04/01/2023 19:43	0.0	4.3	7.9	1	0	26/12/2022 16:00	1017	0.00	3.4
04/01/2023 21:13	0.0	4.3	7.9	1	0	26/12/2022 17:00	1017	0.00	3.3
04/01/2023 22:43	0.0	4.3	7.9	1	1	26/12/2022 18:00	1017	0.00	3.1
05/01/2023 00:13	0.0	4.3	7.9	1	0	26/12/2022 19:00	1018	0.00	2.9
05/01/2023 01:43	0.0	4.3	7.9	1	0	26/12/2022 20:00	1018	0.00	2.2
05/01/2023 03:13	0.0	4.3	8.0	1	0	26/12/2022 21:00	1019	0.00	1.4
05/01/2023 04:43	0.0	4.3	8.0	1	0	26/12/2022 22:00	1019	0.00	1.4
05/01/2023 06:13	0.0	4.3	8.0	1	0	26/12/2022 23:00	1020	0.00	1.5
05/01/2023 07:43	0.0	4.3	8.0	1	0	27/12/2022 00:00	1020	0.00	1.4
05/01/2023 09:13	0.0	4.3	8.0	1	0	27/12/2022 01:00	1020	0.00	1.1
05/01/2023 10:43	0.0	4.1	8.0	1	0	27/12/2022 02:00	1020	0.00	1.0
05/01/2023 12:13	0.0	4.3	8.0	2	0	27/12/2022 03:00	1019	0.00	1.6
05/01/2023 13:43	0.0	4.3	8.0	1	1	27/12/2022 04:00	1019	0.00	2.0
05/01/2023 15:13	0.0	4.3	8.0	1	1	27/12/2022 05:00	1018	0.00	2.2
05/01/2023 16:43	0.0	4.3	8.0	1	0	27/12/2022 06:00	1018	0.29	3.0
05/01/2023 18:13	0.0	4.3	8.0	1	0	27/12/2022 07:00	1017	0.00	3.9
05/01/2023 19:43	0.0	4.3	8.0	1	0	27/12/2022 08:00	1017	1.20	4.7
05/01/2023 21:13	0.0	4.3	8.0	1	0	27/12/2022 09:00	1016	0.00	5.2
05/01/2023 22:43	0.0	4.3	8.0	1	0	27/12/2022 10:00	1016	2.15	5.7
06/01/2023 00:13	0.0	4.3	8.1	1	1	27/12/2022 11:00	1015	7.38	6.3
06/01/2023 01:43	0.0	4.1	8.1	1	0	27/12/2022 12:00	1014	3.21	6.8
06/01/2023 03:13	0.0	4.3	8.1	2	0	27/12/2022 13:00	1013	2.92	7.1
06/01/2023 04:43	0.0	4.3	8.2	1	0	27/12/2022 14:00	1012	2.01	7.3
06/01/2023 06:13	0.0	4.1	8.2	1	1	27/12/2022 15:00	1011	1.20	7.4
06/01/2023 07:43	0.0	4.1	8.2	1	0	27/12/2022 16:00	1010	1.92	7.5
06/01/2023 09:13	0.0	4.1	8.2	1	1	27/12/2022 17:00	1009	0.38	7.6
06/01/2023 10:43	0.0	4.3	8.2	1	1	27/12/2022 18:00	1008	0.57	7.8
06/01/2023 12:13	0.0	4.3	8.2	1	1	27/12/2022 19:00	1007	-0.29	8.0
06/01/2023 13:43	0.0	4.3	8.2	1	0	27/12/2022 20:00	1006	0.00	8.4
06/01/2023 15:13	0.0	4.3	8.1	1	0	27/12/2022 21:00	1007	0.00	8.9
06/01/2023 16:43	0.0	4.3	8.1	1	0	27/12/2022 22:00	1007	0.00	8.7
06/01/2023 18:13	0.0	4.4	8.1	1	0	27/12/2022 23:00	1007	0.00	8.1
06/01/2023 19:43	0.0	4.1	8.1	1	0	28/12/2022 00:00	1007	0.00	7.6
06/01/2023 21:13	0.0	4.1	8.1	2	0	28/12/2022 01:00	1007	0.00	7.4
06/01/2023 22:43	0.0	4.3	8.0	1	0	28/12/2022 02:00	1006	0.00	7.0
07/01/2023 00:13	0.0	4.1	8.0	1	0	28/12/2022 03:00	1005	0.00	7.0
07/01/2023 01:43	0.0	4.3	8.0	1	0	28/12/2022 04:00	1003	0.38	7.2
07/01/2023 03:13	0.0	4.3	7.9	1	0	28/12/2022 05:00	1002	0.57	7.4
07/01/2023 04:43	0.0	4.3	7.9	1	1	28/12/2022 06:00	1001	0.00	8.0
07/01/2023 06:13	0.0	4.3	7.8	2	0	28/12/2022 07:00	999	0.62	8.2
07/01/2023 07:43	0.0	4.3	7.8	1	1	28/12/2022 08:00	998	0.00	8.2
07/01/2023 09:13	0.0	4.3	7.8	1	0	28/12/2022 09:00	996	0.00	8.3
07/01/2023 10:43	0.0	4.3	7.8	1	0	28/12/2022 10:00	995	0.57	8.4
07/01/2023 12:13	0.0	4.3	7.8	1	0	28/12/2022 11:00	993	0.29	8.7
07/01/2023 13:43	0.0	4.3	7.7	1	1	28/12/2022 12:00	992	0.00	9.1
07/01/2023 15:13	0.0	4.5	7.7	1	0	28/12/2022 13:00	992	0.00	9.5
07/01/2023 16:43	0.0	4.3	7.7	2	0	28/12/2022 14:00	992	0.00	9.6
07/01/2023 18:13	0.0	4.3	7.7	1	0	28/12/2022 15:00	992	0.29	9.2

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
07/01/2023 19:43	0.0	4.3	7.7	1	0	28/12/2022 16:00	991	0.29	9.0
07/01/2023 21:13	0.0	4.3	7.6	2	0	28/12/2022 17:00	991	0.86	8.8
07/01/2023 22:43	0.0	4.3	7.6	1	0	28/12/2022 18:00	991	0.00	8.6
08/01/2023 00:13	0.0	4.3	7.6	1	0	28/12/2022 19:00	990	0.34	8.4
08/01/2023 01:43	0.0	4.3	7.6	1	0	28/12/2022 20:00	990	0.62	8.2
08/01/2023 03:13	0.0	4.3	7.6	2	0	28/12/2022 21:00	990	0.00	8.0
08/01/2023 04:43	0.0	4.4	7.6	2	1	28/12/2022 22:00	990	0.68	7.6
08/01/2023 06:13	0.0	4.3	7.6	1	1	28/12/2022 23:00	989	2.48	7.6
08/01/2023 07:43	0.0	4.3	7.6	1	0	29/12/2022 00:00	989	0.00	7.6
08/01/2023 09:13	0.0	4.3	7.6	1	0	29/12/2022 01:00	988	0.00	7.7
08/01/2023 10:43	0.0	4.3	7.6	1	1	29/12/2022 02:00	990	0.00	7.5
08/01/2023 12:13	0.0	4.3	7.5	1	0	29/12/2022 03:00	992	0.00	6.9
08/01/2023 13:43	0.0	4.4	7.5	2	0	29/12/2022 04:00	993	0.00	6.7
08/01/2023 15:13	0.0	4.3	7.5	2	0	29/12/2022 05:00	994	0.00	6.4
08/01/2023 16:43	0.0	4.1	7.6	1	0	29/12/2022 06:00	995	0.00	6.4
08/01/2023 18:13	0.0	4.3	7.5	1	1	29/12/2022 07:00	996	0.00	6.2
08/01/2023 19:43	0.0	4.3	7.5	1	0	29/12/2022 08:00	997	0.00	5.6
08/01/2023 21:13	0.0	4.3	7.5	2	0	29/12/2022 09:00	997	0.00	5.5
08/01/2023 22:43	0.0	4.3	7.6	1	0	29/12/2022 10:00	998	0.62	5.6
09/01/2023 00:13	0.0	4.3	7.6	2	0	29/12/2022 11:00	999	1.58	5.7
09/01/2023 01:43	0.0	4.3	7.6	1	0	29/12/2022 12:00	999	0.29	6.2
09/01/2023 03:13	0.0	4.3	7.6	1	1	29/12/2022 13:00	999	0.00	6.3
09/01/2023 04:43	0.0	4.3	7.6	1	1	29/12/2022 14:00	1000	0.00	6.2
09/01/2023 06:13	0.0	4.4	7.6	1	0	29/12/2022 15:00	1001	0.00	5.7
09/01/2023 07:43	0.0	4.3	7.6	2	1	29/12/2022 16:00	1001	0.00	5.3
09/01/2023 09:13	0.0	4.3	7.7	1	0	29/12/2022 17:00	1001	0.00	5.1
09/01/2023 10:43	0.0	4.3	7.7	1	0	29/12/2022 18:00	1002	0.00	5.2
09/01/2023 12:13	0.0	4.4	7.7	1	0	29/12/2022 19:00	1002	0.00	4.9
09/01/2023 13:43	0.0	4.3	7.8	1	0	29/12/2022 20:00	1002	0.00	5.0
09/01/2023 15:13	0.0	4.4	7.8	1	1	29/12/2022 21:00	1001	0.00	4.6
09/01/2023 16:43	0.0	4.3	7.8	1	0	29/12/2022 22:00	1001	0.57	5.0
09/01/2023 18:13	0.0	4.4	7.8	1	0	29/12/2022 23:00	1000	0.00	5.1
09/01/2023 19:43	0.0	4.5	7.8	1	0	30/12/2022 00:00	999	0.57	5.3
09/01/2023 21:13	0.0	4.4	7.8	1	0	30/12/2022 01:00	998	0.34	5.8
09/01/2023 22:43	0.0	4.4	7.8	1	1	30/12/2022 02:00	996	0.29	6.1
10/01/2023 00:13	0.0	4.4	7.9	2	0	30/12/2022 03:00	995	0.00	6.3
10/01/2023 01:43	0.0	4.3	8.0	1	0	30/12/2022 04:00	993	2.73	6.7
10/01/2023 03:13	0.0	4.3	8.0	1	1	30/12/2022 05:00	991	0.29	6.8
10/01/2023 04:43	0.0	4.4	8.0	1	0	30/12/2022 06:00	990	0.00	6.9
10/01/2023 06:13	0.0	4.3	8.0	1	0	30/12/2022 07:00	987	0.00	6.8
10/01/2023 07:43	0.0	4.3	8.0	1	0	30/12/2022 08:00	985	0.00	6.9
10/01/2023 09:13	0.0	4.1	7.9	1	0	30/12/2022 09:00	984	0.29	7.2
10/01/2023 10:43	0.0	4.4	7.9	1	1	30/12/2022 10:00	984	0.86	7.7
						30/12/2022 11:00	985	0.91	8.8
						30/12/2022 12:00	987	0.38	9.3
						30/12/2022 13:00	987	0.00	9.5
						30/12/2022 14:00	989	0.00	9.8
						30/12/2022 15:00	990	0.00	9.3
						30/12/2022 16:00	991	0.00	8.9
						30/12/2022 17:00	992	0.00	8.8
						30/12/2022 18:00	992	0.00	8.4
						30/12/2022 19:00	993	0.00	8.2
						30/12/2022 20:00	994	0.00	8.1
						30/12/2022 21:00	994	0.00	8.2
						30/12/2022 22:00	994	0.00	8.3
						30/12/2022 23:00	993	0.00	8.3
						31/12/2022 00:00	993	0.00	8.3
						31/12/2022 01:00	993	0.00	8.4
						31/12/2022 02:00	993	0.00	8.2
						31/12/2022 03:00	992	0.57	8.2
						31/12/2022 04:00	991	0.29	8.4
						31/12/2022 05:00	992	0.00	8.9
						31/12/2022 06:00	992	0.00	9.2
						31/12/2022 07:00	993	0.00	9.4
						31/12/2022 08:00	994	0.00	9.4
						31/12/2022 09:00	995	0.00	9.5
						31/12/2022 10:00	995	0.00	9.6
						31/12/2022 11:00	995	0.00	9.8
						31/12/2022 12:00	995	0.00	9.9
						31/12/2022 13:00	994	0.00	9.8
						31/12/2022 14:00	993	0.00	9.7
						31/12/2022 15:00	994	0.00	9.6
						31/12/2022 16:00	993	0.00	9.4
						31/12/2022 17:00	994	0.29	9.2
						31/12/2022 18:00	994	0.00	9.1
						31/12/2022 19:00	995	0.00	9.0
						31/12/2022 20:00	996	0.00	8.8
						31/12/2022 21:00	996	0.00	8.8
						31/12/2022 22:00	997	0.29	8.4
						31/12/2022 23:00	998	0.29	8.2
						01/01/2023 00:00	999	0.00	8.1
						01/01/2023 01:00	999	0.29	8.0
						01/01/2023 02:00	1000	0.00	7.9
						01/01/2023 03:00	1000	0.00	7.8
						01/01/2023 04:00	1000	0.00	7.4





GC Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S	LL and BL Date and Time	Atmospheric Pressure	Flow	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v		mbar	Ltr/hr	°C
						01/01/2023 05:00	1001	0.00	7.4
						01/01/2023 06:00	1002	0.57	7.1
						01/01/2023 07:00	1002	0.00	7.0
						01/01/2023 08:00	1002	1.72	7.3
						01/01/2023 09:00	1003	0.00	7.3
						01/01/2023 10:00	1003	0.00	8.0
						01/01/2023 11:00	1004	0.00	8.3
						01/01/2023 12:00	1004	0.00	8.7
						01/01/2023 13:00	1003	0.00	9.1
						01/01/2023 14:00	1004	0.00	9.3
						01/01/2023 15:00	1003	0.00	9.2
						01/01/2023 16:00	1004	0.00	8.9
						01/01/2023 17:00	1004	0.00	8.5
						01/01/2023 18:00	1004	0.00	8.3
						01/01/2023 19:00	1004	0.00	7.8
						01/01/2023 20:00	1004	0.00	7.5
						01/01/2023 21:00	1004	0.00	7.5
						01/01/2023 22:00	1004	0.00	7.2
						01/01/2023 23:00	1005	0.00	7.1
						02/01/2023 00:00	1006	0.00	6.4
						02/01/2023 01:00	1006	0.00	6.1
						02/01/2023 02:00	1007	0.00	6.0
						02/01/2023 03:00	1008	0.00	5.3
						02/01/2023 04:00	1009	0.00	4.6
						02/01/2023 05:00	1010	0.00	3.6
						02/01/2023 06:00	1011	0.00	2.6
						02/01/2023 07:00	1012	0.00	2.3
						02/01/2023 08:00	1013	0.00	2.2
						02/01/2023 09:00	1015	0.00	1.9
						02/01/2023 10:00	1016	0.00	1.6
						02/01/2023 11:00	1016	0.00	1.9
						02/01/2023 12:00	1016	0.00	2.9
						02/01/2023 13:00	1017	0.00	3.3
						02/01/2023 14:00	1017	0.00	3.5
						02/01/2023 15:00	1017	0.00	3.4
						02/01/2023 16:00	1018	0.00	2.9
						02/01/2023 17:00	1018	0.00	2.4
						02/01/2023 18:00	1018	0.00	1.7
						02/01/2023 19:00	1019	0.00	1.4
						02/01/2023 20:00	1019	0.00	1.1
						02/01/2023 21:00	1019	0.00	0.7
						02/01/2023 22:00	1018	0.00	0.6
						02/01/2023 23:00	1018	0.00	0.6
						03/01/2023 00:00	1018	0.00	1.3
						03/01/2023 01:00	1017	0.00	2.8
						03/01/2023 02:00	1016	0.00	3.2
						03/01/2023 03:00	1016	0.00	3.6
						03/01/2023 04:00	1014	0.86	4.6
						03/01/2023 05:00	1013	0.00	5.2
						03/01/2023 06:00	1013	0.00	6.0
						03/01/2023 07:00	1013	0.00	6.6
						03/01/2023 08:00	1013	0.00	7.1
						03/01/2023 09:00	1013	0.00	7.5
						03/01/2023 10:00	1013	0.00	7.9
						03/01/2023 11:00	1012	0.00	8.2
						03/01/2023 12:00	1011	0.29	8.3
						03/01/2023 13:00	1010	0.00	8.5
						03/01/2023 14:00	1009	0.00	8.6
						03/01/2023 15:00	1008	0.00	8.9
						03/01/2023 16:00	1008	0.00	9.1
						03/01/2023 17:00	1008	-0.34	9.4
						03/01/2023 18:00	1008	0.29	9.7
						03/01/2023 19:00	1009	0.00	9.8
						03/01/2023 20:00	1009	0.00	9.9
						03/01/2023 21:00	1009	4.26	10.0
						03/01/2023 22:00	1009	0.29	10.0
						03/01/2023 23:00	1009	1.28	10.0
						04/01/2023 00:00	1009	0.91	10.1
						04/01/2023 01:00	1009	0.34	10.2
						04/01/2023 02:00	1009	0.34	10.3
						04/01/2023 03:00	1009	1.57	10.4
						04/01/2023 04:00	1009	0.00	10.5
						04/01/2023 05:00	1010	0.00	10.5
						04/01/2023 06:00	1010	0.29	10.4
						04/01/2023 07:00	1011	0.00	10.3
						04/01/2023 08:00	1011	0.00	10.3
						04/01/2023 09:00	1012	0.00	10.3
						04/01/2023 10:00	1013	0.00	10.2
						04/01/2023 11:00	1013	0.70	10.6
						04/01/2023 12:00	1013	0.65	10.7
						04/01/2023 13:00	1013	0.00	10.3
						04/01/2023 14:00	1014	0.62	10.5
						04/01/2023 15:00	1014	0.67	10.4
						04/01/2023 16:00	1015	0.00	10.3
						04/01/2023 17:00	1015	0.29	10.2

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
 Experts in Continuous Monitoring						04/01/2023 18:00	1016	0.00	10.2
						04/01/2023 19:00	1016	0.48	10.1
						04/01/2023 20:00	1016	0.00	10.0
						04/01/2023 21:00	1016	0.29	9.8
						04/01/2023 22:00	1017	0.00	9.9
						04/01/2023 23:00	1017	0.00	9.9
						05/01/2023 00:00	1017	0.00	9.8
						05/01/2023 01:00	1017	0.00	9.7
						05/01/2023 02:00	1017	0.00	9.6
						05/01/2023 03:00	1017	0.00	9.6
						05/01/2023 04:00	1017	0.00	9.6
						05/01/2023 05:00	1017	0.00	9.6
						05/01/2023 06:00	1017	0.00	9.8
						05/01/2023 07:00	1016	0.00	9.8
						05/01/2023 08:00	1016	0.00	9.9
						05/01/2023 09:00	1016	0.00	9.9
						05/01/2023 10:00	1017	0.00	10.0
						05/01/2023 11:00	1017	0.00	10.0
						05/01/2023 12:00	1016	0.00	10.2
						05/01/2023 13:00	1015	0.00	10.4
						05/01/2023 14:00	1014	0.29	10.5
						05/01/2023 15:00	1013	0.00	10.4
						05/01/2023 16:00	1013	0.62	10.3
						05/01/2023 17:00	1012	0.00	10.1
						05/01/2023 18:00	1011	0.57	10.0
						05/01/2023 19:00	1011	4.46	10.0
						05/01/2023 20:00	1010	0.34	9.9
						05/01/2023 21:00	1008	0.00	9.9
						05/01/2023 22:00	1010	0.00	9.0
						05/01/2023 23:00	1010	0.00	8.3
						06/01/2023 00:00	1011	0.00	7.6
						06/01/2023 01:00	1011	0.00	7.4
						06/01/2023 02:00	1011	0.00	6.9
						06/01/2023 03:00	1011	0.00	7.0
						06/01/2023 04:00	1012	0.00	6.7
						06/01/2023 05:00	1012	0.00	6.5
						06/01/2023 06:00	1011	0.00	6.5
						06/01/2023 07:00	1011	0.00	6.7
						06/01/2023 08:00	1011	0.00	7.1
						06/01/2023 09:00	1011	0.57	7.3
						06/01/2023 10:00	1011	0.00	7.6
						06/01/2023 11:00	1011	0.00	8.2
						06/01/2023 12:00	1010	0.00	8.4
						06/01/2023 13:00	1009	0.00	8.8
						06/01/2023 14:00	1008	0.00	8.7
						06/01/2023 15:00	1007	0.00	9.1
						06/01/2023 16:00	1006	0.00	8.8
						06/01/2023 17:00	1005	0.00	8.9
						06/01/2023 18:00	1004	0.00	9.2
						06/01/2023 19:00	1004	0.00	9.3
						06/01/2023 20:00	1003	0.00	9.5
						06/01/2023 21:00	1002	0.00	9.6
						06/01/2023 22:00	1002	0.00	9.7
						06/01/2023 23:00	1001	0.00	9.7
						07/01/2023 00:00	1000	0.00	9.8
						07/01/2023 01:00	999	0.72	9.4
						07/01/2023 02:00	997	0.86	9.4
						07/01/2023 03:00	996	0.57	9.5
						07/01/2023 04:00	994	0.00	9.5
						07/01/2023 05:00	993	0.00	9.5
						07/01/2023 06:00	993	0.00	9.4
						07/01/2023 07:00	991	0.00	9.4
						07/01/2023 08:00	992	0.00	9.4
						07/01/2023 09:00	992	0.00	9.0
						07/01/2023 10:00	992	0.00	8.8
						07/01/2023 11:00	992	0.00	9.0
						07/01/2023 12:00	991	0.00	9.1
						07/01/2023 13:00	990	0.00	9.3
						07/01/2023 14:00	990	0.00	9.2
						07/01/2023 15:00	989	0.00	8.4
						07/01/2023 16:00	991	0.00	7.8
						07/01/2023 17:00	990	0.91	7.2
						07/01/2023 18:00	991	0.00	7.4
						07/01/2023 19:00	991	2.54	7.5
						07/01/2023 20:00	991	0.00	7.5
						07/01/2023 21:00	991	0.00	7.6
						07/01/2023 22:00	991	0.00	7.3
						07/01/2023 23:00	991	0.00	7.1
						08/01/2023 00:00	991	0.00	7.0
						08/01/2023 01:00	991	0.00	7.1
						08/01/2023 02:00	990	0.57	6.6
						08/01/2023 03:00	990	0.00	6.1
						08/01/2023 04:00	990	0.00	6.3
						08/01/2023 05:00	990	0.00	5.8
						08/01/2023 06:00	989	0.57	5.7

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
						08/01/2023 07:00	988	0.00	5.7
						08/01/2023 08:00	987	0.29	5.9
						08/01/2023 09:00	986	0.00	6.0
						08/01/2023 10:00	986	0.00	6.0
						08/01/2023 11:00	985	0.00	6.4
						08/01/2023 12:00	985	0.00	6.3
						08/01/2023 13:00	985	0.29	6.6
						08/01/2023 14:00	985	0.00	6.0
						08/01/2023 15:00	985	0.00	5.7
						08/01/2023 16:00	985	0.00	5.3
						08/01/2023 17:00	985	0.00	5.6
						08/01/2023 18:00	984	0.00	5.6
						08/01/2023 19:00	983	0.00	5.7
						08/01/2023 20:00	983	0.00	5.7
						08/01/2023 21:00	986	0.00	5.5
						08/01/2023 22:00	987	0.00	4.8
						08/01/2023 23:00	988	0.00	4.5
						09/01/2023 00:00	989	0.00	4.5
						09/01/2023 01:00	990	0.00	4.6
						09/01/2023 02:00	991	0.91	4.5
						09/01/2023 03:00	992	1.68	4.4
						09/01/2023 04:00	992	-0.05	4.4
						09/01/2023 05:00	993	0.00	4.8
						09/01/2023 06:00	994	0.00	4.9
						09/01/2023 07:00	995	0.00	4.9
						09/01/2023 08:00	997	-1.16	4.7
						09/01/2023 09:00	999	0.00	4.5
						09/01/2023 10:00	1000	0.29	4.6
						09/01/2023 11:00	1002	0.29	5.1
						09/01/2023 12:00	1003	0.29	6.0
						09/01/2023 13:00	1004	1.53	6.9
						09/01/2023 14:00	1005	0.00	7.1
						09/01/2023 15:00	1006	0.00	6.8
						09/01/2023 16:00	1007	0.00	6.4
						09/01/2023 17:00	1008	0.00	5.7
						09/01/2023 18:00	1008	0.00	5.3
						09/01/2023 19:00	1009	0.00	5.1
						09/01/2023 20:00	1010	0.00	4.9
						09/01/2023 21:00	1011	0.00	4.4
						09/01/2023 22:00	1011	0.00	3.7
						09/01/2023 23:00	1011	0.00	2.8
						10/01/2023 00:00	1011	0.00	2.1
						10/01/2023 01:00	1011	0.00	1.9
						10/01/2023 02:00	1010	0.00	2.3
						10/01/2023 03:00	1009	0.00	3.5
						10/01/2023 04:00	1008	0.00	4.3
						10/01/2023 05:00	1007	0.00	4.8
						10/01/2023 06:00	1005	0.00	5.0
						10/01/2023 07:00	1004	0.00	5.4
						10/01/2023 08:00	1003	0.57	6.1
						10/01/2023 09:00	1002	0.00	7.1
						10/01/2023 10:00	1002	0.00	8.1



Experts in Continuous Monitoring

Time Series Data

Project Ref:	GG3151
Project Name:	Coed Darcy Landfill, Llandarcy
Borehole ref:	GM02
Instrument Name and ID:	GasClam 000118/03/10, Flow Device 03020021
Start Date:	08/12/2022 16:01
End Date:	10/01/2023 10:01
Days of monitoring:	33
Monitoring Frequency (mins):	90 for Gas Clam, 60 for LL and BL
Total samples taken:	525



Summary Table

	CH ₄	CO ₂	O ₂	CO	H ₂ S		Atmospheric Pressure	Flow	Temperature
Minimum	11.4	0.0	0.0	0	0		983	-1.46	-6.9
Maximum	27.3	0.2	0.6	2	2		1020	0.57	10.7
Range	15.9	0.2	0.6	2	2		37	2.04	17.6

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
08/12/2022 16:01	12.6	0.1	0.5	2	1	08/12/2022 16:00	1008	0.00	3.5
08/12/2022 17:31	12.4	0.1	0.5	2	1	08/12/2022 17:00	1008	0.00	2.9
08/12/2022 19:01	12.4	0.1	0.5	2	1	08/12/2022 18:00	1008	0.00	2.6
08/12/2022 20:31	12.6	0.1	0.5	2	1	08/12/2022 19:00	1008	0.00	1.9
08/12/2022 22:01	12.8	0.1	0.5	2	1	08/12/2022 20:00	1008	0.00	1.0
08/12/2022 23:31	12.8	0.1	0.5	2	1	08/12/2022 21:00	1008	0.00	0.2
09/12/2022 01:01	11.7	0.1	0.5	2	1	08/12/2022 22:00	1009	0.00	-0.6
09/12/2022 02:31	12.1	0.1	0.5	2	1	08/12/2022 23:00	1008	0.00	-1.2
09/12/2022 04:01	12.1	0.1	0.5	2	1	09/12/2022 00:00	1008	0.00	-1.8
09/12/2022 05:31	11.9	0.1	0.4	2	1	09/12/2022 01:00	1008	0.00	-2.3
09/12/2022 07:01	12.6	0.1	0.4	2	1	09/12/2022 02:00	1008	0.00	-2.7
09/12/2022 08:31	13.2	0.1	0.4	2	1	09/12/2022 03:00	1008	0.00	-2.9
09/12/2022 10:01	12.9	0.1	0.4	2	1	09/12/2022 04:00	1008	0.00	-3.3
09/12/2022 11:31	11.7	0.1	0.4	2	1	09/12/2022 05:00	1008	0.00	-3.6
09/12/2022 13:01	12.2	0.1	0.4	2	1	09/12/2022 06:00	1008	0.00	-3.8
09/12/2022 14:31	12.4	0.1	0.4	2	1	09/12/2022 07:00	1008	0.00	-3.9
09/12/2022 16:01	11.6	0.0	0.4	2	1	09/12/2022 08:00	1008	0.00	-4.0
09/12/2022 17:31	13.4	0.1	0.3	2	1	09/12/2022 09:00	1008	0.00	-3.9
09/12/2022 19:01	13.2	0.1	0.3	2	1	09/12/2022 10:00	1008	0.00	-3.4
09/12/2022 20:31	13.0	0.1	0.3	2	1	09/12/2022 11:00	1008	0.00	-2.9
09/12/2022 22:01	12.9	0.1	0.3	2	1	09/12/2022 12:00	1008	0.00	-2.2
09/12/2022 23:31	13.2	0.1	0.3	2	1	09/12/2022 13:00	1007	0.00	-1.5
10/12/2022 01:01	12.7	0.1	0.3	2	1	09/12/2022 14:00	1007	0.00	-1.1
10/12/2022 02:31	13.2	0.1	0.3	2	1	09/12/2022 15:00	1007	0.00	-0.7
10/12/2022 04:01	13.0	0.1	0.3	2	1	09/12/2022 16:00	1008	0.00	-0.9
10/12/2022 05:31	11.6	0.1	0.3	2	1	09/12/2022 17:00	1008	0.00	-1.7
10/12/2022 07:01	12.2	0.1	0.3	2	1	09/12/2022 18:00	1008	0.00	-2.3
10/12/2022 08:31	11.4	0.1	0.3	2	1	09/12/2022 19:00	1008	0.00	-2.4
10/12/2022 10:01	12.2	0.1	0.3	2	1	09/12/2022 20:00	1008	0.00	-2.8
10/12/2022 11:31	13.5	0.1	0.3	2	1	09/12/2022 21:00	1008	0.00	-3.2
10/12/2022 13:01	12.2	0.1	0.3	2	1	09/12/2022 22:00	1009	0.00	-3.3
10/12/2022 14:31	12.9	0.0	0.3	2	1	09/12/2022 23:00	1009	0.00	-3.3
10/12/2022 16:01	12.4	0.0	0.3	2	1	10/12/2022 00:00	1008	0.00	-3.5
10/12/2022 17:31	13.6	0.0	0.2	2	1	10/12/2022 01:00	1008	0.00	-3.8
10/12/2022 19:01	12.4	0.0	0.2	2	1	10/12/2022 02:00	1008	0.00	-3.9
10/12/2022 20:31	11.4	0.1	0.2	2	1	10/12/2022 03:00	1008	0.00	-4.2
10/12/2022 22:01	13.2	0.0	0.2	2	1	10/12/2022 04:00	1008	0.00	-4.2
10/12/2022 23:31	13.5	0.0	0.2	2	1	10/12/2022 05:00	1008	0.00	-4.4
11/12/2022 01:01	13.2	0.0	0.2	2	1	10/12/2022 06:00	1008	0.00	-4.6
11/12/2022 02:31	13.6	0.0	0.2	2	1	10/12/2022 07:00	1008	0.00	-4.7
11/12/2022 04:01	13.4	0.0	0.2	2	1	10/12/2022 08:00	1008	0.00	-4.9
11/12/2022 05:31	14.4	0.0	0.2	2	1	10/12/2022 09:00	1008	0.00	-4.8
11/12/2022 07:01	12.9	0.0	0.2	2	1	10/12/2022 10:00	1008	0.00	-4.5
11/12/2022 08:31	12.7	0.0	0.2	2	1	10/12/2022 11:00	1008	0.00	-3.8
11/12/2022 10:01	14.1	0.0	0.2	2	1	10/12/2022 12:00	1008	0.00	-2.3
11/12/2022 11:31	13.6	0.0	0.2	2	1	10/12/2022 13:00	1007	0.00	-1.2
11/12/2022 13:01	13.6	0.0	0.2	2	1	10/12/2022 14:00	1007	0.00	-0.1
11/12/2022 14:31	12.4	0.0	0.2	2	1	10/12/2022 15:00	1007	0.00	-0.2
11/12/2022 16:01	13.5	0.0	0.2	2	1	10/12/2022 16:00	1007	0.00	-0.3
11/12/2022 17:31	12.8	0.0	0.2	2	1	10/12/2022 17:00	1007	0.00	-0.5
11/12/2022 19:01	13.4	0.0	0.2	2	1	10/12/2022 18:00	1007	0.00	-1.2
11/12/2022 20:31	14.1	0.0	0.2	2	1	10/12/2022 19:00	1007	0.00	-1.5
11/12/2022 22:01	13.2	0.0	0.1	2	1	10/12/2022 20:00	1007	0.00	-1.7
11/12/2022 23:31	13.8	0.0	0.1	2	1	10/12/2022 21:00	1007	0.00	-2.2
12/12/2022 01:01	14.1	0.0	0.2	2	1	10/12/2022 22:00	1007	0.00	-2.3
12/12/2022 02:31	13.2	0.0	0.2	2	1	10/12/2022 23:00	1006	0.00	-2.0
12/12/2022 04:01	14.9	0.0	0.1	2	1	11/12/2022 00:00	1007	0.00	-1.8
12/12/2022 05:31	13.5	0.0	0.1	2	1	11/12/2022 01:00	1006	0.00	-1.7
12/12/2022 07:01	13.2	0.0	0.1	2	1	11/12/2022 02:00	1006	0.00	-2.0
12/12/2022 08:31	13.4	0.0	0.1	2	1	11/12/2022 03:00	1006	0.00	-1.6
12/12/2022 10:01	13.2	0.0	0.1	2	1	11/12/2022 04:00	1005	0.00	-1.9

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
12/12/2022 11:31	14.1	0.0	0.1	2	1	11/12/2022 05:00	1005	0.00	-1.7
12/12/2022 13:01	12.6	0.0	0.1	2	1	11/12/2022 06:00	1005	0.00	-1.4
12/12/2022 14:31	14.3	0.0	0.1	2	1	11/12/2022 07:00	1005	0.00	-1.3
12/12/2022 16:01	14.2	0.0	0.1	2	1	11/12/2022 08:00	1005	0.00	-1.3
12/12/2022 17:31	14.2	0.0	0.1	2	1	11/12/2022 09:00	1005	0.00	-1.6
12/12/2022 19:01	14.3	0.0	0.1	2	1	11/12/2022 10:00	1005	0.00	-1.7
12/12/2022 20:31	14.1	0.0	0.1	2	1	11/12/2022 11:00	1005	0.00	-1.3
12/12/2022 22:01	14.7	0.0	0.1	2	1	11/12/2022 12:00	1005	0.00	-0.8
12/12/2022 23:31	14.0	0.0	0.1	2	1	11/12/2022 13:00	1005	0.00	-0.5
13/12/2022 01:01	15.0	0.0	0.1	2	1	11/12/2022 14:00	1005	0.00	-0.3
13/12/2022 02:31	14.1	0.0	0.1	2	1	11/12/2022 15:00	1005	0.00	0.0
13/12/2022 04:01	14.0	0.0	0.1	1	1	11/12/2022 16:00	1005	0.00	0.3
13/12/2022 05:31	13.6	0.0	0.1	2	1	11/12/2022 17:00	1006	0.00	0.3
13/12/2022 07:01	14.2	0.0	0.1	2	1	11/12/2022 18:00	1006	0.00	-0.5
13/12/2022 08:31	14.4	0.0	0.1	2	1	11/12/2022 19:00	1006	0.00	-1.0
13/12/2022 10:01	15.6	0.0	0.1	2	1	11/12/2022 20:00	1006	0.00	-1.0
13/12/2022 11:31	15.1	0.0	0.1	2	1	11/12/2022 21:00	1007	0.00	-1.4
13/12/2022 13:01	13.6	0.0	0.1	2	1	11/12/2022 22:00	1007	0.00	-2.2
13/12/2022 14:31	14.9	0.0	0.1	2	1	11/12/2022 23:00	1007	0.00	-2.8
13/12/2022 16:01	15.4	0.0	0.1	2	1	12/12/2022 00:00	1007	0.00	-3.1
13/12/2022 17:31	13.5	0.0	0.1	2	1	12/12/2022 01:00	1007	0.00	-3.4
13/12/2022 19:01	13.7	0.0	0.1	2	1	12/12/2022 02:00	1008	0.00	-3.7
13/12/2022 20:31	15.0	0.0	0.1	2	1	12/12/2022 03:00	1008	0.00	-3.8
13/12/2022 22:01	15.5	0.0	0.1	2	1	12/12/2022 04:00	1008	0.00	-4.2
13/12/2022 23:31	15.8	0.0	0.1	2	1	12/12/2022 05:00	1007	0.00	-4.4
14/12/2022 01:01	14.9	0.0	0.1	2	1	12/12/2022 06:00	1007	0.00	-4.6
14/12/2022 02:31	15.8	0.0	0.1	2	1	12/12/2022 07:00	1007	0.00	-4.9
14/12/2022 04:01	16.3	0.0	0.1	2	1	12/12/2022 08:00	1007	0.00	-5.1
14/12/2022 05:31	15.6	0.0	0.1	2	1	12/12/2022 09:00	1007	0.00	-5.2
14/12/2022 07:01	15.9	0.0	0.1	2	1	12/12/2022 10:00	1007	0.00	-4.8
14/12/2022 08:31	16.4	0.0	0.2	2	1	12/12/2022 11:00	1007	0.00	-4.0
14/12/2022 10:01	16.0	0.0	0.2	2	1	12/12/2022 12:00	1006	0.00	-3.4
14/12/2022 11:31	16.0	0.0	0.1	2	1	12/12/2022 13:00	1006	0.00	-3.0
14/12/2022 13:01	16.3	0.0	0.1	2	1	12/12/2022 14:00	1006	0.00	-2.6
14/12/2022 14:31	15.4	0.0	0.1	1	1	12/12/2022 15:00	1006	0.00	-2.8
14/12/2022 16:01	14.7	0.0	0.1	2	1	12/12/2022 16:00	1006	0.00	-2.5
14/12/2022 17:31	16.2	0.0	0.1	2	1	12/12/2022 17:00	1006	0.00	-2.2
14/12/2022 19:01	14.5	0.0	0.1	2	1	12/12/2022 18:00	1006	0.00	-1.9
14/12/2022 20:31	15.1	0.0	0.1	2	1	12/12/2022 19:00	1006	0.00	-1.8
14/12/2022 22:01	15.4	0.0	0.1	2	1	12/12/2022 20:00	1006	0.00	-2.3
14/12/2022 23:31	15.1	0.0	0.1	2	1	12/12/2022 21:00	1006	0.00	-2.7
15/12/2022 01:01	14.7	0.0	0.1	2	1	12/12/2022 22:00	1006	0.00	-3.3
15/12/2022 02:31	16.5	0.0	0.1	2	1	12/12/2022 23:00	1006	0.00	-3.4
15/12/2022 04:01	16.0	0.0	0.1	2	1	13/12/2022 00:00	1006	0.00	-3.1
15/12/2022 05:31	15.6	0.0	0.1	2	1	13/12/2022 01:00	1006	0.00	-2.6
15/12/2022 07:01	16.0	0.0	0.1	2	1	13/12/2022 02:00	1006	0.00	-2.4
15/12/2022 08:31	15.5	0.0	0.1	2	1	13/12/2022 03:00	1006	0.00	-2.2
15/12/2022 10:01	16.7	0.0	0.1	2	1	13/12/2022 04:00	1006	0.00	-2.3
15/12/2022 11:31	16.5	0.0	0.1	2	1	13/12/2022 05:00	1005	0.00	-2.4
15/12/2022 13:01	16.3	0.0	0.1	2	1	13/12/2022 06:00	1005	0.00	-2.3
15/12/2022 14:31	16.5	0.0	0.1	2	1	13/12/2022 07:00	1005	0.00	-2.4
15/12/2022 16:01	16.2	0.0	0.1	2	1	13/12/2022 08:00	1005	0.00	-1.9
15/12/2022 17:31	16.0	0.0	0.1	2	1	13/12/2022 09:00	1005	0.00	-1.5
15/12/2022 19:01	15.8	0.0	0.2	2	1	13/12/2022 10:00	1005	0.00	-1.1
15/12/2022 20:31	16.7	0.0	0.2	2	1	13/12/2022 11:00	1005	0.00	-0.5
15/12/2022 22:01	16.0	0.0	0.2	2	1	13/12/2022 12:00	1004	0.00	0.1
15/12/2022 23:31	15.8	0.0	0.1	2	1	13/12/2022 13:00	1004	0.00	0.9
16/12/2022 01:01	15.7	0.0	0.1	2	1	13/12/2022 14:00	1003	0.00	1.2
16/12/2022 02:31	16.2	0.0	0.1	2	1	13/12/2022 15:00	1003	0.00	0.9
16/12/2022 04:01	16.4	0.0	0.2	2	1	13/12/2022 16:00	1003	0.00	0.7
16/12/2022 05:31	16.3	0.0	0.2	1	1	13/12/2022 17:00	1002	0.00	0.5
16/12/2022 07:01	16.2	0.0	0.1	2	1	13/12/2022 18:00	1002	0.00	0.4
16/12/2022 08:31	16.0	0.0	0.2	2	1	13/12/2022 19:00	1002	0.00	0.2
16/12/2022 10:01	14.9	0.0	0.2	2	1	13/12/2022 20:00	1002	0.00	0.1
16/12/2022 11:31	16.4	0.0	0.2	2	1	13/12/2022 21:00	1002	0.00	-0.1
16/12/2022 13:01	16.4	0.0	0.1	2	1	13/12/2022 22:00	1002	0.00	-0.2
16/12/2022 14:31	16.0	0.0	0.1	2	1	13/12/2022 23:00	1002	0.00	-0.4
16/12/2022 16:01	15.7	0.0	0.1	2	1	14/12/2022 00:00	1002	0.00	-0.6
16/12/2022 17:31	17.5	0.0	0.1	2	1	14/12/2022 01:00	1002	0.00	-0.8
16/12/2022 19:01	15.2	0.0	0.1	2	1	14/12/2022 02:00	1002	0.00	-1.1
16/12/2022 20:31	17.7	0.0	0.1	2	1	14/12/2022 03:00	1003	0.00	-1.2
16/12/2022 22:01	16.8	0.0	0.1	2	1	14/12/2022 04:00	1003	0.00	-1.6
16/12/2022 23:31	17.6	0.0	0.1	2	1	14/12/2022 05:00	1003	0.00	-1.9
17/12/2022 01:01	17.0	0.0	0.1	2	1	14/12/2022 06:00	1003	0.00	-2.2
17/12/2022 02:31	15.3	0.0	0.1	2	1	14/12/2022 07:00	1003	0.00	-2.6
17/12/2022 04:01	16.9	0.0	0.1	2	1	14/12/2022 08:00	1004	0.00	-2.8
17/12/2022 05:31	16.9	0.0	0.1	2	1	14/12/2022 09:00	1005	0.00	-3.1
17/12/2022 07:01	16.7	0.0	0.1	2	1	14/12/2022 10:00	1005	0.00	-3.1
17/12/2022 08:31	16.4	0.0	0.1	2	1	14/12/2022 11:00	1006	0.00	-2.2
17/12/2022 10:01	16.4	0.0	0.1	2	1	14/12/2022 12:00	1005	0.00	-1.5
17/12/2022 11:31	16.6	0.0	0.1	2	1	14/12/2022 13:00	1006	0.00	-0.9
17/12/2022 13:01	15.8	0.0	0.1	2	1	14/12/2022 14:00	1006	0.00	-0.5
17/12/2022 14:31	15.9	0.0	0.1	2	1	14/12/2022 15:00	1006	0.00	-0.8
17/12/2022 16:01	16.9	0.0	0.1	2	1	14/12/2022 16:00	1007	0.00	-1.2
17/12/2022 17:31	16.7	0.0	0.1	2	1	14/12/2022 17:00	1007	0.00	-2.0

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
17/12/2022 19:01	15.5	0.0	0.1	2	1	14/12/2022 18:00	1008	0.00	-2.6
17/12/2022 20:31	16.4	0.0	0.1	2	1	14/12/2022 19:00	1008	0.00	-3.1
17/12/2022 22:01	16.4	0.0	0.0	2	1	14/12/2022 20:00	1008	0.00	-3.7
17/12/2022 23:31	16.5	0.0	0.0	2	1	14/12/2022 21:00	1008	0.00	-3.5
18/12/2022 01:01	17.0	0.0	0.0	2	1	14/12/2022 22:00	1009	0.00	-3.7
18/12/2022 02:31	17.0	0.0	0.0	2	1	14/12/2022 23:00	1009	0.00	-4.4
18/12/2022 04:01	16.9	0.0	0.0	2	1	15/12/2022 00:00	1009	0.00	-4.9
18/12/2022 05:31	16.2	0.0	0.0	2	1	15/12/2022 01:00	1010	0.00	-5.5
18/12/2022 07:01	16.7	0.0	0.0	2	1	15/12/2022 02:00	1010	0.00	-5.8
18/12/2022 08:31	16.7	0.0	0.0	2	1	15/12/2022 03:00	1010	0.00	-6.1
18/12/2022 10:01	16.3	0.0	0.0	2	1	15/12/2022 04:00	1010	0.00	-6.2
18/12/2022 11:31	15.5	0.0	0.0	2	1	15/12/2022 05:00	1010	0.00	-6.3
18/12/2022 13:01	16.2	0.0	0.0	2	1	15/12/2022 06:00	1010	0.00	-6.4
18/12/2022 14:31	15.7	0.0	0.0	2	1	15/12/2022 07:00	1010	0.00	-6.5
18/12/2022 16:01	15.8	0.0	0.0	2	1	15/12/2022 08:00	1010	0.00	-6.8
18/12/2022 17:31	17.1	0.0	0.0	2	1	15/12/2022 09:00	1011	0.00	-6.9
18/12/2022 19:01	17.1	0.0	0.0	2	1	15/12/2022 10:00	1011	0.00	-6.6
18/12/2022 20:31	18.2	0.0	0.0	2	1	15/12/2022 11:00	1012	0.00	-5.6
18/12/2022 22:01	18.2	0.0	0.0	2	1	15/12/2022 12:00	1011	0.00	-4.4
18/12/2022 23:31	17.5	0.0	0.0	2	1	15/12/2022 13:00	1011	0.00	-3.2
19/12/2022 01:01	20.2	0.0	0.0	2	1	15/12/2022 14:00	1011	0.00	-2.3
19/12/2022 02:31	17.5	0.0	0.0	2	1	15/12/2022 15:00	1011	0.00	-1.4
19/12/2022 04:01	17.8	0.0	0.0	2	1	15/12/2022 16:00	1011	0.00	-1.1
19/12/2022 05:31	18.3	0.0	0.0	2	1	15/12/2022 17:00	1012	0.00	-2.0
19/12/2022 07:01	16.5	0.0	0.0	2	1	15/12/2022 18:00	1012	0.00	-2.7
19/12/2022 08:31	17.9	0.0	0.0	2	1	15/12/2022 19:00	1013	0.00	-3.5
19/12/2022 10:01	19.3	0.0	0.0	2	1	15/12/2022 20:00	1013	0.00	-3.9
19/12/2022 11:31	18.4	0.0	0.0	2	1	15/12/2022 21:00	1014	0.00	-4.1
19/12/2022 13:01	17.6	0.0	0.0	2	1	15/12/2022 22:00	1014	0.00	-4.6
19/12/2022 14:31	16.7	0.0	0.0	1	1	15/12/2022 23:00	1015	0.00	-5.1
19/12/2022 16:01	18.6	0.0	0.0	1	0	16/12/2022 00:00	1015	0.00	-5.3
19/12/2022 17:31	17.1	0.0	0.0	1	0	16/12/2022 01:00	1015	0.00	-5.4
19/12/2022 19:01	17.4	0.0	0.0	1	1	16/12/2022 02:00	1015	0.00	-5.5
19/12/2022 20:31	18.2	0.0	0.0	1	1	16/12/2022 03:00	1016	0.00	-5.5
19/12/2022 22:01	18.0	0.0	0.0	1	1	16/12/2022 04:00	1016	0.00	-5.7
19/12/2022 23:31	17.4	0.0	0.0	1	1	16/12/2022 05:00	1016	0.00	-5.9
20/12/2022 01:01	17.5	0.0	0.0	2	1	16/12/2022 06:00	1016	0.00	-6.1
20/12/2022 02:31	17.6	0.0	0.0	2	1	16/12/2022 07:00	1016	0.00	-6.1
20/12/2022 04:01	17.0	0.0	0.0	2	1	16/12/2022 08:00	1017	0.00	-6.4
20/12/2022 05:31	16.8	0.0	0.0	2	1	16/12/2022 09:00	1017	0.00	-6.4
20/12/2022 07:01	18.3	0.0	0.0	2	1	16/12/2022 10:00	1018	0.00	-5.7
20/12/2022 08:31	18.2	0.0	0.1	2	1	16/12/2022 11:00	1018	0.00	-5.0
20/12/2022 10:01	18.7	0.0	0.1	2	1	16/12/2022 12:00	1017	0.00	-3.9
20/12/2022 11:31	17.9	0.0	0.1	2	1	16/12/2022 13:00	1017	0.00	-3.0
20/12/2022 13:01	18.8	0.0	0.0	1	1	16/12/2022 14:00	1017	0.00	-2.2
20/12/2022 14:31	18.9	0.0	0.0	2	1	16/12/2022 15:00	1017	0.00	-1.6
20/12/2022 16:01	18.7	0.0	0.0	2	1	16/12/2022 16:00	1017	0.00	-1.7
20/12/2022 17:31	19.1	0.0	0.0	2	1	16/12/2022 17:00	1017	0.00	-2.1
20/12/2022 19:01	19.4	0.0	0.0	2	1	16/12/2022 18:00	1017	0.00	-1.9
20/12/2022 20:31	19.0	0.0	0.0	2	1	16/12/2022 19:00	1017	0.00	-1.5
20/12/2022 22:01	18.7	0.0	0.0	2	1	16/12/2022 20:00	1017	0.00	-1.4
20/12/2022 23:31	18.7	0.0	0.0	2	1	16/12/2022 21:00	1018	0.00	-1.1
21/12/2022 01:01	19.1	0.0	0.0	2	1	16/12/2022 22:00	1018	0.00	-0.9
21/12/2022 02:31	18.2	0.0	0.0	2	1	16/12/2022 23:00	1018	0.00	-0.7
21/12/2022 04:01	18.1	0.0	0.0	2	1	17/12/2022 00:00	1018	0.00	-0.3
21/12/2022 05:31	20.9	0.0	0.0	2	1	17/12/2022 01:00	1017	0.00	0.2
21/12/2022 07:01	20.4	0.0	0.0	2	1	17/12/2022 02:00	1017	0.00	0.4
21/12/2022 08:31	19.1	0.0	0.0	2	1	17/12/2022 03:00	1017	0.00	0.3
21/12/2022 10:01	19.1	0.0	0.0	2	1	17/12/2022 04:00	1017	0.00	0.7
21/12/2022 11:31	18.8	0.0	0.0	2	1	17/12/2022 05:00	1017	0.00	1.1
21/12/2022 13:01	19.7	0.0	0.0	2	1	17/12/2022 06:00	1017	0.00	1.3
21/12/2022 14:31	19.3	0.0	0.0	2	1	17/12/2022 07:00	1017	0.00	1.3
21/12/2022 16:01	19.6	0.0	0.0	2	2	17/12/2022 08:00	1017	0.00	1.4
21/12/2022 17:31	19.3	0.0	0.0	2	1	17/12/2022 09:00	1017	0.00	1.6
21/12/2022 19:01	19.4	0.0	0.0	2	1	17/12/2022 10:00	1018	0.00	2.1
21/12/2022 20:31	20.1	0.0	0.0	2	1	17/12/2022 11:00	1018	0.00	2.4
21/12/2022 22:01	19.3	0.0	0.0	2	1	17/12/2022 12:00	1017	0.00	2.8
21/12/2022 23:31	19.6	0.0	0.0	2	1	17/12/2022 13:00	1017	0.00	3.1
22/12/2022 01:01	19.9	0.0	0.0	2	1	17/12/2022 14:00	1017	0.00	3.3
22/12/2022 02:31	19.9	0.0	0.0	2	1	17/12/2022 15:00	1017	0.00	3.1
22/12/2022 04:01	18.9	0.0	0.0	2	1	17/12/2022 16:00	1017	0.00	2.5
22/12/2022 05:31	19.6	0.0	0.0	2	1	17/12/2022 17:00	1017	0.00	1.8
22/12/2022 07:01	20.1	0.0	0.0	2	1	17/12/2022 18:00	1017	0.00	2.0
22/12/2022 08:31	20.2	0.0	0.0	2	1	17/12/2022 19:00	1018	0.00	1.4
22/12/2022 10:01	20.6	0.0	0.0	2	1	17/12/2022 20:00	1018	0.00	0.8
22/12/2022 11:31	20.2	0.0	0.0	2	1	17/12/2022 21:00	1018	0.00	0.1
22/12/2022 13:01	20.6	0.0	0.0	2	1	17/12/2022 22:00	1017	0.00	-0.5
22/12/2022 14:31	20.0	0.0	0.0	2	1	17/12/2022 23:00	1017	0.00	-0.8
22/12/2022 16:01	19.1	0.0	0.0	2	1	18/12/2022 00:00	1016	0.00	-0.9
22/12/2022 17:31	20.4	0.0	0.2	2	1	18/12/2022 01:00	1016	0.00	-0.9
22/12/2022 19:01	19.7	0.0	0.1	2	1	18/12/2022 02:00	1015	0.00	-0.8
22/12/2022 20:31	20.8	0.0	0.1	2	1	18/12/2022 03:00	1015	0.00	-0.6
22/12/2022 22:01	20.9	0.0	0.0	2	1	18/12/2022 04:00	1013	0.00	-0.3
22/12/2022 23:31	20.0	0.0	0.0	2	1	18/12/2022 05:00	1013	0.00	0.2
23/12/2022 01:01	20.8	0.0	0.0	2	1	18/12/2022 06:00	1012	0.00	0.5

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
23/12/2022 02:31	19.5	0.0	0.0	2	1	18/12/2022 07:00	1012	0.00	0.7
23/12/2022 04:01	20.3	0.0	0.0	2	1	18/12/2022 08:00	1010	0.00	0.9
23/12/2022 05:31	20.7	0.0	0.0	2	1	18/12/2022 09:00	1009	-0.25	1.1
23/12/2022 07:01	21.3	0.0	0.0	2	1	18/12/2022 10:00	1008	-0.25	1.4
23/12/2022 08:31	21.4	0.0	0.0	2	2	18/12/2022 11:00	1007	0.00	1.8
23/12/2022 10:01	20.1	0.0	0.0	2	2	18/12/2022 12:00	1006	-0.25	2.4
23/12/2022 11:31	21.4	0.0	0.0	2	1	18/12/2022 13:00	1004	0.00	3.0
23/12/2022 13:01	20.6	0.0	0.1	2	1	18/12/2022 14:00	1003	0.00	3.8
23/12/2022 14:31	19.9	0.0	0.2	1	1	18/12/2022 15:00	1002	-0.25	4.9
23/12/2022 16:01	20.8	0.0	0.1	2	1	18/12/2022 16:00	1001	0.00	5.5
23/12/2022 17:31	19.4	0.0	0.2	2	1	18/12/2022 17:00	1001	0.00	6.0
23/12/2022 19:01	20.9	0.0	0.1	1	1	18/12/2022 18:00	1000	0.00	6.6
23/12/2022 20:31	20.0	0.0	0.1	2	1	18/12/2022 19:00	1000	0.00	7.0
23/12/2022 22:01	20.7	0.0	0.1	2	1	18/12/2022 20:00	1000	0.00	7.4
23/12/2022 23:31	20.4	0.0	0.1	1	1	18/12/2022 21:00	999	-0.25	7.7
24/12/2022 01:01	22.7	0.0	0.1	1	1	18/12/2022 22:00	999	0.00	8.1
24/12/2022 02:31	21.0	0.0	0.1	1	1	18/12/2022 23:00	999	0.00	8.2
24/12/2022 04:01	19.9	0.0	0.1	2	1	19/12/2022 00:00	999	0.00	8.4
24/12/2022 05:31	20.7	0.0	0.1	2	1	19/12/2022 01:00	999	0.00	8.3
24/12/2022 07:01	20.8	0.0	0.1	2	1	19/12/2022 02:00	999	0.00	8.3
24/12/2022 08:31	21.6	0.0	0.0	2	1	19/12/2022 03:00	999	0.00	8.8
24/12/2022 10:01	20.2	0.0	0.0	2	1	19/12/2022 04:00	999	0.00	9.0
24/12/2022 11:31	21.1	0.0	0.0	2	1	19/12/2022 05:00	998	0.00	9.1
24/12/2022 13:01	20.4	0.0	0.0	2	1	19/12/2022 06:00	998	0.00	9.2
24/12/2022 14:31	20.8	0.0	0.0	2	1	19/12/2022 07:00	999	0.00	9.2
24/12/2022 16:01	21.3	0.0	0.0	2	1	19/12/2022 08:00	998	0.00	9.4
24/12/2022 17:31	21.5	0.0	0.0	2	1	19/12/2022 09:00	998	0.00	9.5
24/12/2022 19:01	21.3	0.0	0.0	2	1	19/12/2022 10:00	998	0.00	9.6
24/12/2022 20:31	21.3	0.0	0.0	2	1	19/12/2022 11:00	997	0.00	9.7
24/12/2022 22:01	20.8	0.0	0.1	1	1	19/12/2022 12:00	997	0.00	9.9
24/12/2022 23:31	23.0	0.0	0.0	2	1	19/12/2022 13:00	998	-0.25	10.1
25/12/2022 01:01	22.0	0.0	0.0	2	1	19/12/2022 14:00	998	0.04	10.3
25/12/2022 02:31	22.3	0.0	0.0	2	1	19/12/2022 15:00	998	0.00	10.3
25/12/2022 04:01	22.3	0.0	0.0	2	1	19/12/2022 16:00	999	0.00	10.1
25/12/2022 05:31	21.9	0.0	0.0	2	1	19/12/2022 17:00	999	0.00	9.8
25/12/2022 07:01	22.0	0.0	0.0	2	1	19/12/2022 18:00	999	0.00	9.7
25/12/2022 08:31	22.2	0.0	0.0	2	1	19/12/2022 19:00	999	0.00	9.4
25/12/2022 10:01	21.6	0.0	0.0	2	1	19/12/2022 20:00	999	0.00	9.2
25/12/2022 11:31	23.0	0.0	0.0	2	1	19/12/2022 21:00	999	0.00	9.0
25/12/2022 13:01	21.1	0.0	0.0	2	1	19/12/2022 22:00	999	0.00	8.8
25/12/2022 14:31	21.6	0.0	0.0	1	1	19/12/2022 23:00	999	0.00	8.5
25/12/2022 16:01	21.7	0.0	0.0	1	1	20/12/2022 00:00	999	0.00	8.3
25/12/2022 17:31	23.5	0.0	0.0	1	0	20/12/2022 01:00	1000	0.00	8.1
25/12/2022 19:01	22.3	0.0	0.0	1	0	20/12/2022 02:00	1000	0.00	7.6
25/12/2022 20:31	21.1	0.0	0.0	1	1	20/12/2022 03:00	1000	0.00	7.2
25/12/2022 22:01	22.9	0.0	0.0	1	0	20/12/2022 04:00	1001	0.00	6.4
25/12/2022 23:31	21.9	0.0	0.1	1	0	20/12/2022 05:00	1001	0.00	5.4
26/12/2022 01:01	22.0	0.0	0.3	0	1	20/12/2022 06:00	1002	0.00	4.6
26/12/2022 02:31	21.3	0.0	0.4	0	0	20/12/2022 07:00	1002	0.00	4.6
26/12/2022 04:01	20.8	0.0	0.4	0	0	20/12/2022 08:00	1003	0.00	4.7
26/12/2022 05:31	21.5	0.0	0.5	0	0	20/12/2022 09:00	1004	0.00	4.6
26/12/2022 07:01	21.1	0.0	0.4	0	0	20/12/2022 10:00	1004	0.00	4.9
26/12/2022 08:31	21.3	0.0	0.4	0	0	20/12/2022 11:00	1004	-0.25	5.9
26/12/2022 10:01	21.4	0.1	0.5	0	0	20/12/2022 12:00	1004	0.00	6.4
26/12/2022 11:31	20.2	0.1	0.4	0	0	20/12/2022 13:00	1004	0.00	7.2
26/12/2022 13:01	21.1	0.1	0.2	0	0	20/12/2022 14:00	1004	0.00	7.0
26/12/2022 14:31	20.9	0.1	0.2	1	0	20/12/2022 15:00	1004	0.00	7.0
26/12/2022 16:01	19.7	0.1	0.2	1	0	20/12/2022 16:00	1005	0.00	6.5
26/12/2022 17:31	19.9	0.1	0.2	0	0	20/12/2022 17:00	1005	0.00	5.7
26/12/2022 19:01	19.9	0.1	0.2	1	0	20/12/2022 18:00	1005	0.00	5.4
26/12/2022 20:31	21.7	0.1	0.2	0	0	20/12/2022 19:00	1005	-0.25	5.6
26/12/2022 22:01	20.2	0.1	0.2	1	0	20/12/2022 20:00	1005	0.00	5.6
26/12/2022 23:31	20.4	0.1	0.2	0	0	20/12/2022 21:00	1005	0.00	5.8
27/12/2022 01:01	21.3	0.1	0.2	1	0	20/12/2022 22:00	1005	0.00	5.9
27/12/2022 02:31	20.6	0.1	0.1	1	0	20/12/2022 23:00	1004	0.00	6.0
27/12/2022 04:01	20.4	0.1	0.1	1	0	21/12/2022 00:00	1004	0.00	6.2
27/12/2022 05:31	21.4	0.1	0.0	1	0	21/12/2022 01:00	1004	0.00	6.2
27/12/2022 07:01	19.9	0.1	0.0	1	0	21/12/2022 02:00	1003	0.00	6.4
27/12/2022 08:31	20.1	0.1	0.0	1	0	21/12/2022 03:00	1003	0.00	6.4
27/12/2022 10:01	20.7	0.1	0.0	1	0	21/12/2022 04:00	1003	0.00	6.3
27/12/2022 11:31	20.7	0.1	0.0	1	0	21/12/2022 05:00	1003	0.00	6.5
27/12/2022 13:01	20.6	0.1	0.0	1	0	21/12/2022 06:00	1002	0.00	6.5
27/12/2022 14:31	21.1	0.1	0.0	1	0	21/12/2022 07:00	1002	0.00	6.3
27/12/2022 16:01	20.6	0.1	0.0	1	0	21/12/2022 08:00	1002	0.00	6.2
27/12/2022 17:31	21.1	0.1	0.0	1	0	21/12/2022 09:00	1002	0.00	5.6
27/12/2022 19:01	21.0	0.1	0.0	1	0	21/12/2022 10:00	1003	0.00	5.7
27/12/2022 20:31	21.4	0.1	0.0	1	0	21/12/2022 11:00	1003	0.00	5.6
27/12/2022 22:01	22.5	0.1	0.0	1	0	21/12/2022 12:00	1002	0.00	6.3
27/12/2022 23:31	21.0	0.1	0.0	1	0	21/12/2022 13:00	1002	0.00	6.5
28/12/2022 01:01	21.6	0.1	0.0	1	0	21/12/2022 14:00	1001	0.00	6.4
28/12/2022 02:31	21.6	0.1	0.0	1	0	21/12/2022 15:00	1001	0.00	6.1
28/12/2022 04:01	20.6	0.1	0.0	1	0	21/12/2022 16:00	1001	0.00	5.4
28/12/2022 05:31	22.2	0.1	0.0	1	0	21/12/2022 17:00	1001	0.00	4.5
28/12/2022 07:01	21.4	0.1	0.0	1	0	21/12/2022 18:00	1001	0.00	4.2
28/12/2022 08:31	21.4	0.1	0.0	1	0	21/12/2022 19:00	1001	0.00	4.0

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
28/12/2022 10:01	20.7	0.1	0.0	1	0	21/12/2022 20:00	1000	0.00	4.0
28/12/2022 11:31	21.9	0.1	0.0	1	0	21/12/2022 21:00	1001	0.00	4.2
28/12/2022 13:01	21.1	0.1	0.0	1	0	21/12/2022 22:00	1001	0.00	4.1
28/12/2022 14:31	21.6	0.1	0.0	1	0	21/12/2022 23:00	1001	0.00	4.1
28/12/2022 16:01	22.7	0.1	0.0	1	0	22/12/2022 00:00	1001	0.00	4.2
28/12/2022 17:31	21.3	0.1	0.0	1	0	22/12/2022 01:00	1000	0.00	4.4
28/12/2022 19:01	21.7	0.1	0.0	1	0	22/12/2022 02:00	1001	0.00	4.8
28/12/2022 20:31	20.6	0.1	0.0	1	1	22/12/2022 03:00	1000	0.00	5.2
28/12/2022 22:01	21.7	0.1	0.0	1	1	22/12/2022 04:00	1000	0.00	5.7
28/12/2022 23:31	21.1	0.1	0.0	1	0	22/12/2022 05:00	1000	0.00	6.0
29/12/2022 01:01	21.1	0.1	0.0	1	0	22/12/2022 06:00	999	0.00	6.4
29/12/2022 02:31	21.4	0.0	0.3	0	0	22/12/2022 07:00	999	0.00	6.8
29/12/2022 04:01	22.2	0.0	0.4	0	1	22/12/2022 08:00	999	0.00	7.1
29/12/2022 05:31	20.6	0.1	0.3	0	0	22/12/2022 09:00	999	0.00	7.4
29/12/2022 07:01	24.5	0.1	0.3	1	0	22/12/2022 10:00	999	0.00	8.0
29/12/2022 08:31	24.4	0.1	0.3	0	0	22/12/2022 11:00	999	0.00	8.4
29/12/2022 10:01	21.1	0.1	0.3	0	0	22/12/2022 12:00	998	0.00	8.8
29/12/2022 11:31	20.9	0.1	0.2	1	0	22/12/2022 13:00	998	0.00	9.2
29/12/2022 13:01	22.4	0.1	0.2	0	0	22/12/2022 14:00	998	0.00	9.3
29/12/2022 14:31	22.1	0.1	0.2	1	0	22/12/2022 15:00	999	0.00	9.6
29/12/2022 16:01	20.4	0.1	0.2	1	0	22/12/2022 16:00	1000	0.00	9.4
29/12/2022 17:31	21.6	0.1	0.2	1	0	22/12/2022 17:00	1001	0.00	9.0
29/12/2022 19:01	21.4	0.1	0.1	1	0	22/12/2022 18:00	1001	0.00	8.7
29/12/2022 20:31	21.1	0.1	0.1	1	0	22/12/2022 19:00	1002	0.00	8.4
29/12/2022 22:01	21.4	0.1	0.0	1	1	22/12/2022 20:00	1002	0.00	8.1
29/12/2022 23:31	21.1	0.1	0.0	1	1	22/12/2022 21:00	1002	0.00	7.9
30/12/2022 01:01	20.8	0.1	0.0	1	0	22/12/2022 22:00	1002	0.00	7.7
30/12/2022 02:31	20.9	0.1	0.0	1	0	22/12/2022 23:00	1003	0.00	7.6
30/12/2022 04:01	20.3	0.1	0.0	1	0	23/12/2022 00:00	1003	0.00	7.4
30/12/2022 05:31	21.5	0.1	0.0	1	0	23/12/2022 01:00	1002	0.00	7.3
30/12/2022 07:01	20.0	0.1	0.0	1	1	23/12/2022 02:00	1001	0.00	7.2
30/12/2022 08:31	21.0	0.1	0.0	1	0	23/12/2022 03:00	1000	0.00	7.1
30/12/2022 10:01	20.3	0.1	0.0	1	0	23/12/2022 04:00	1000	0.00	7.1
30/12/2022 11:31	22.2	0.1	0.1	1	1	23/12/2022 05:00	998	0.00	7.0
30/12/2022 13:01	19.9	0.1	0.2	1	0	23/12/2022 06:00	997	0.00	6.9
30/12/2022 14:31	20.9	0.1	0.3	0	0	23/12/2022 07:00	995	0.00	7.1
30/12/2022 16:01	20.6	0.1	0.3	0	0	23/12/2022 08:00	995	0.00	7.2
30/12/2022 17:31	21.1	0.1	0.2	0	0	23/12/2022 09:00	995	0.00	7.4
30/12/2022 19:01	20.3	0.1	0.3	0	0	23/12/2022 10:00	995	0.00	8.2
30/12/2022 20:31	19.9	0.1	0.2	0	1	23/12/2022 11:00	996	0.00	8.7
30/12/2022 22:01	21.3	0.1	0.1	1	0	23/12/2022 12:00	996	0.46	9.1
30/12/2022 23:31	21.7	0.1	0.0	1	0	23/12/2022 13:00	997	-0.25	9.3
31/12/2022 01:01	23.1	0.1	0.0	1	0	23/12/2022 14:00	998	-0.38	9.2
31/12/2022 02:31	20.9	0.1	0.0	1	0	23/12/2022 15:00	999	0.00	9.0
31/12/2022 04:01	21.4	0.1	0.0	1	0	23/12/2022 16:00	999	0.00	8.8
31/12/2022 05:31	22.1	0.1	0.0	1	0	23/12/2022 17:00	1000	0.00	8.5
31/12/2022 07:01	21.5	0.1	0.1	1	0	23/12/2022 18:00	1000	0.00	7.9
31/12/2022 08:31	22.8	0.1	0.1	0	0	23/12/2022 19:00	1000	0.00	7.9
31/12/2022 10:01	22.9	0.1	0.1	0	0	23/12/2022 20:00	1001	0.00	8.2
31/12/2022 11:31	22.1	0.1	0.1	1	0	23/12/2022 21:00	1001	0.00	8.0
31/12/2022 13:01	22.9	0.1	0.0	1	0	23/12/2022 22:00	1002	0.00	7.8
31/12/2022 14:31	22.4	0.1	0.0	1	0	23/12/2022 23:00	1002	0.00	8.2
31/12/2022 16:01	21.9	0.1	0.0	1	0	24/12/2022 00:00	1003	0.00	7.9
31/12/2022 17:31	21.9	0.1	0.0	1	0	24/12/2022 01:00	1004	0.00	7.4
31/12/2022 19:01	21.7	0.1	0.0	1	0	24/12/2022 02:00	1004	0.00	6.7
31/12/2022 20:31	22.0	0.1	0.1	0	0	24/12/2022 03:00	1005	0.00	5.9
31/12/2022 22:01	22.7	0.1	0.1	0	0	24/12/2022 04:00	1005	0.00	5.3
31/12/2022 23:31	20.6	0.1	0.3	0	0	24/12/2022 05:00	1005	0.00	4.5
01/01/2023 01:01	23.7	0.1	0.2	0	0	24/12/2022 06:00	1006	0.00	4.3
01/01/2023 02:31	21.9	0.1	0.2	0	0	24/12/2022 07:00	1006	0.00	4.5
01/01/2023 04:01	21.7	0.1	0.2	0	0	24/12/2022 08:00	1005	0.00	5.6
01/01/2023 05:31	21.5	0.1	0.2	0	0	24/12/2022 09:00	1006	0.00	6.2
01/01/2023 07:01	21.5	0.1	0.3	0	0	24/12/2022 10:00	1006	0.00	6.6
01/01/2023 08:31	22.1	0.1	0.2	0	0	24/12/2022 11:00	1006	0.00	7.1
01/01/2023 10:01	22.2	0.1	0.2	0	0	24/12/2022 12:00	1006	0.00	7.8
01/01/2023 11:31	23.0	0.1	0.2	0	0	24/12/2022 13:00	1005	0.00	8.4
01/01/2023 13:01	23.1	0.1	0.1	1	1	24/12/2022 14:00	1005	0.00	8.8
01/01/2023 14:31	21.9	0.1	0.1	1	0	24/12/2022 15:00	1004	0.00	8.8
01/01/2023 16:01	21.7	0.1	0.0	1	0	24/12/2022 16:00	1004	0.00	8.5
01/01/2023 17:31	22.3	0.1	0.0	1	0	24/12/2022 17:00	1004	0.00	8.4
01/01/2023 19:01	22.7	0.1	0.0	1	0	24/12/2022 18:00	1003	0.00	8.4
01/01/2023 20:31	22.9	0.1	0.0	1	0	24/12/2022 19:00	1003	0.00	8.3
01/01/2023 22:01	22.1	0.1	0.0	1	0	24/12/2022 20:00	1003	0.00	8.4
01/01/2023 23:31	23.5	0.1	0.1	0	0	24/12/2022 21:00	1004	0.00	8.1
02/01/2023 01:01	23.0	0.1	0.1	0	0	24/12/2022 22:00	1004	0.00	7.8
02/01/2023 02:31	25.0	0.1	0.3	0	1	24/12/2022 23:00	1004	0.00	7.8
02/01/2023 04:01	25.5	0.1	0.3	0	0	25/12/2022 00:00	1003	0.00	7.9
02/01/2023 05:31	25.6	0.1	0.3	0	0	25/12/2022 01:00	1004	0.00	7.9
02/01/2023 07:01	24.1	0.1	0.4	0	1	25/12/2022 02:00	1003	0.00	7.9
02/01/2023 08:31	23.9	0.1	0.5	1	1	25/12/2022 03:00	1003	0.00	8.1
02/01/2023 10:01	24.4	0.1	0.5	1	1	25/12/2022 04:00	1003	0.00	7.9
02/01/2023 11:31	25.2	0.1	0.4	1	1	25/12/2022 05:00	1002	0.00	8.0
02/01/2023 13:01	24.7	0.1	0.3	1	1	25/12/2022 06:00	1002	0.00	8.1
02/01/2023 14:31	23.9	0.1	0.2	1	1	25/12/2022 07:00	1002	0.00	8.0
02/01/2023 16:01	25.5	0.1	0.2	1	1	25/12/2022 08:00	1002	0.00	8.1

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
02/01/2023 17:31	24.2	0.1	0.2	1	1	25/12/2022 09:00	1002	0.00	8.1
02/01/2023 19:01	24.8	0.1	0.2	1	1	25/12/2022 10:00	1003	0.00	8.2
02/01/2023 20:31	24.9	0.1	0.2	1	1	25/12/2022 11:00	1002	0.00	8.3
02/01/2023 22:01	25.5	0.1	0.1	1	0	25/12/2022 12:00	1002	0.00	8.3
02/01/2023 23:31	24.9	0.1	0.1	1	0	25/12/2022 13:00	1002	0.00	8.6
03/01/2023 01:01	25.9	0.1	0.0	1	0	25/12/2022 14:00	1001	0.00	8.9
03/01/2023 02:31	21.7	0.1	0.0	1	0	25/12/2022 15:00	1001	0.00	8.9
03/01/2023 04:01	21.5	0.1	0.0	1	0	25/12/2022 16:00	1002	0.00	8.8
03/01/2023 05:31	22.1	0.1	0.0	1	0	25/12/2022 17:00	1002	0.00	8.7
03/01/2023 07:01	21.6	0.1	0.0	1	0	25/12/2022 18:00	1002	0.00	8.3
03/01/2023 08:31	26.5	0.1	0.0	1	0	25/12/2022 19:00	1002	0.00	8.4
03/01/2023 10:01	24.7	0.1	0.0	1	1	25/12/2022 20:00	1002	0.00	8.5
03/01/2023 11:31	25.8	0.1	0.0	1	0	25/12/2022 21:00	1001	0.00	8.6
03/01/2023 13:01	25.7	0.1	0.0	1	0	25/12/2022 22:00	1001	0.57	8.6
03/01/2023 14:31	25.3	0.1	0.0	1	0	25/12/2022 23:00	1003	-0.59	8.3
03/01/2023 16:01	25.5	0.1	0.0	1	0	26/12/2022 00:00	1004	0.00	7.9
03/01/2023 17:31	25.2	0.1	0.0	1	0	26/12/2022 01:00	1006	0.00	7.0
03/01/2023 19:01	27.0	0.1	0.0	1	0	26/12/2022 02:00	1007	0.00	6.4
03/01/2023 20:31	24.4	0.1	0.0	1	0	26/12/2022 03:00	1008	0.00	6.0
03/01/2023 22:01	24.1	0.1	0.0	1	0	26/12/2022 04:00	1010	0.00	5.2
03/01/2023 23:31	25.2	0.1	0.0	1	0	26/12/2022 05:00	1011	0.00	4.4
04/01/2023 01:01	26.4	0.1	0.0	1	0	26/12/2022 06:00	1012	0.00	3.5
04/01/2023 02:31	25.2	0.1	0.0	1	0	26/12/2022 07:00	1012	0.00	2.6
04/01/2023 04:01	21.3	0.1	0.0	1	0	26/12/2022 08:00	1013	0.00	1.7
04/01/2023 05:31	23.0	0.1	0.0	1	0	26/12/2022 09:00	1014	0.00	1.3
04/01/2023 07:01	22.3	0.1	0.1	1	0	26/12/2022 10:00	1015	0.00	1.4
04/01/2023 08:31	25.2	0.1	0.1	1	0	26/12/2022 11:00	1016	0.00	1.7
04/01/2023 10:01	25.9	0.1	0.2	0	0	26/12/2022 12:00	1016	0.00	2.5
04/01/2023 11:31	25.2	0.1	0.2	0	0	26/12/2022 13:00	1016	0.00	3.3
04/01/2023 13:01	21.9	0.1	0.1	0	0	26/12/2022 14:00	1016	0.00	3.1
04/01/2023 14:31	22.8	0.1	0.1	1	0	26/12/2022 15:00	1016	0.00	3.7
04/01/2023 16:01	22.6	0.1	0.2	1	0	26/12/2022 16:00	1017	0.00	3.4
04/01/2023 17:31	20.8	0.1	0.2	1	0	26/12/2022 17:00	1017	0.00	3.3
04/01/2023 19:01	22.8	0.1	0.1	0	0	26/12/2022 18:00	1017	0.00	3.1
04/01/2023 20:31	22.4	0.1	0.1	1	0	26/12/2022 19:00	1018	0.00	2.9
04/01/2023 22:01	25.9	0.1	0.2	0	0	26/12/2022 20:00	1018	0.00	2.2
04/01/2023 23:31	24.6	0.1	0.1	1	0	26/12/2022 21:00	1019	0.00	1.4
05/01/2023 01:01	24.3	0.1	0.1	1	0	26/12/2022 22:00	1019	0.00	1.4
05/01/2023 02:31	22.3	0.1	0.1	0	0	26/12/2022 23:00	1020	0.00	1.5
05/01/2023 04:01	22.4	0.1	0.1	1	1	27/12/2022 00:00	1020	0.00	1.4
05/01/2023 05:31	21.9	0.1	0.0	1	0	27/12/2022 01:00	1020	0.00	1.1
05/01/2023 07:01	21.9	0.1	0.0	1	0	27/12/2022 02:00	1020	0.00	1.0
05/01/2023 08:31	22.3	0.1	0.0	1	0	27/12/2022 03:00	1019	0.00	1.6
05/01/2023 10:01	22.3	0.1	0.0	1	0	27/12/2022 04:00	1019	0.00	2.0
05/01/2023 11:31	25.8	0.1	0.0	1	1	27/12/2022 05:00	1018	0.00	2.2
05/01/2023 13:01	25.0	0.1	0.0	1	0	27/12/2022 06:00	1018	0.00	3.0
05/01/2023 14:31	25.9	0.1	0.0	1	0	27/12/2022 07:00	1017	0.00	3.9
05/01/2023 16:01	23.6	0.1	0.0	1	0	27/12/2022 08:00	1017	0.00	4.7
05/01/2023 17:31	21.4	0.1	0.0	1	0	27/12/2022 09:00	1016	0.00	5.2
05/01/2023 19:01	20.9	0.1	0.0	1	0	27/12/2022 10:00	1016	0.00	5.7
05/01/2023 20:31	25.1	0.1	0.0	1	1	27/12/2022 11:00	1015	-0.25	6.3
05/01/2023 22:01	22.2	0.1	0.0	1	1	27/12/2022 12:00	1014	0.00	6.8
05/01/2023 23:31	23.6	0.1	0.2	0	0	27/12/2022 13:00	1013	0.00	7.1
06/01/2023 01:01	22.4	0.1	0.2	0	0	27/12/2022 14:00	1012	-0.25	7.3
06/01/2023 02:31	25.0	0.1	0.1	0	0	27/12/2022 15:00	1011	0.00	7.4
06/01/2023 04:01	25.9	0.1	0.1	0	0	27/12/2022 16:00	1010	0.25	7.5
06/01/2023 05:31	26.1	0.1	0.1	1	0	27/12/2022 17:00	1009	0.00	7.6
06/01/2023 07:01	26.7	0.1	0.0	1	0	27/12/2022 18:00	1008	0.00	7.8
06/01/2023 08:31	25.8	0.1	0.0	1	0	27/12/2022 19:00	1007	0.00	8.0
06/01/2023 10:01	26.4	0.1	0.0	1	0	27/12/2022 20:00	1006	-0.25	8.4
06/01/2023 11:31	24.9	0.1	0.0	1	0	27/12/2022 21:00	1007	0.00	8.9
06/01/2023 13:01	25.7	0.1	0.0	1	0	27/12/2022 22:00	1007	0.00	8.7
06/01/2023 14:31	26.5	0.1	0.0	1	0	27/12/2022 23:00	1007	0.00	8.1
06/01/2023 16:01	25.9	0.1	0.0	1	1	28/12/2022 00:00	1007	0.00	7.6
06/01/2023 17:31	25.9	0.1	0.0	1	0	28/12/2022 01:00	1007	0.00	7.4
06/01/2023 19:01	25.4	0.1	0.0	1	0	28/12/2022 02:00	1006	0.00	7.0
06/01/2023 20:31	24.9	0.1	0.0	1	0	28/12/2022 03:00	1005	0.00	7.0
06/01/2023 22:01	27.3	0.1	0.0	1	0	28/12/2022 04:00	1003	0.00	7.2
06/01/2023 23:31	25.4	0.1	0.0	1	0	28/12/2022 05:00	1002	0.00	7.4
07/01/2023 01:01	24.1	0.1	0.0	1	0	28/12/2022 06:00	1001	0.00	8.0
07/01/2023 02:31	24.8	0.1	0.0	1	0	28/12/2022 07:00	999	0.00	8.2
07/01/2023 04:01	22.1	0.1	0.0	1	0	28/12/2022 08:00	998	0.00	8.2
07/01/2023 05:31	22.6	0.1	0.0	1	0	28/12/2022 09:00	996	0.00	8.3
07/01/2023 07:01	21.9	0.1	0.0	1	0	28/12/2022 10:00	995	0.00	8.4
07/01/2023 08:31	22.8	0.1	0.0	1	0	28/12/2022 11:00	993	0.00	8.7
07/01/2023 10:01	21.3	0.1	0.0	1	1	28/12/2022 12:00	992	0.00	9.1
07/01/2023 11:31	21.5	0.1	0.0	1	0	28/12/2022 13:00	992	0.00	9.5
07/01/2023 13:01	22.2	0.1	0.0	1	1	28/12/2022 14:00	992	-0.25	9.6
07/01/2023 14:31	21.5	0.1	0.0	1	0	28/12/2022 15:00	992	0.00	9.2
07/01/2023 16:01	22.1	0.1	0.1	0	0	28/12/2022 16:00	991	0.00	9.0
07/01/2023 17:31	22.4	0.1	0.1	0	0	28/12/2022 17:00	991	-0.25	8.8
07/01/2023 19:01	21.9	0.1	0.0	0	0	28/12/2022 18:00	991	-0.25	8.6
07/01/2023 20:31	22.1	0.1	0.0	1	0	28/12/2022 19:00	990	-0.25	8.4
07/01/2023 22:01	25.1	0.1	0.0	1	1	28/12/2022 20:00	990	-0.25	8.2
07/01/2023 23:31	25.9	0.1	0.0	0	0	28/12/2022 21:00	990	-0.25	8.0

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
08/01/2023 01:01	22.1	0.1	0.0	0	1	28/12/2022 22:00	990	-0.50	7.6
08/01/2023 02:31	22.4	0.1	0.0	1	1	28/12/2022 23:00	989	-0.25	7.6
08/01/2023 04:01	25.4	0.1	0.0	1	0	29/12/2022 00:00	989	0.00	7.6
08/01/2023 05:31	25.9	0.1	0.0	1	0	29/12/2022 01:00	988	0.00	7.7
08/01/2023 07:01	25.9	0.1	0.0	1	0	29/12/2022 02:00	990	0.00	7.5
08/01/2023 08:31	26.3	0.1	0.0	1	0	29/12/2022 03:00	992	0.00	6.9
08/01/2023 10:01	22.9	0.1	0.0	1	0	29/12/2022 04:00	993	0.00	6.7
08/01/2023 11:31	22.9	0.1	0.0	1	0	29/12/2022 05:00	994	0.00	6.4
08/01/2023 13:01	22.3	0.1	0.0	1	1	29/12/2022 06:00	995	0.00	6.4
08/01/2023 14:31	21.5	0.1	0.0	1	1	29/12/2022 07:00	996	0.00	6.2
08/01/2023 16:01	22.1	0.1	0.0	1	0	29/12/2022 08:00	997	-0.25	5.6
08/01/2023 17:31	22.0	0.1	0.0	1	1	29/12/2022 09:00	997	0.00	5.5
08/01/2023 19:01	21.7	0.1	0.0	1	1	29/12/2022 10:00	998	0.00	5.6
08/01/2023 20:31	22.3	0.1	0.1	1	1	29/12/2022 11:00	999	0.00	5.7
08/01/2023 22:01	20.8	0.1	0.4	0	1	29/12/2022 12:00	999	0.00	6.2
08/01/2023 23:31	20.7	0.1	0.3	1	1	29/12/2022 13:00	999	0.00	6.3
09/01/2023 01:01	20.3	0.1	0.3	1	1	29/12/2022 14:00	1000	0.00	6.2
09/01/2023 02:31	21.3	0.1	0.4	1	1	29/12/2022 15:00	1001	0.00	5.7
09/01/2023 04:01	24.7	0.1	0.3	1	1	29/12/2022 16:00	1001	0.00	5.3
09/01/2023 05:31	23.6	0.1	0.3	1	1	29/12/2022 17:00	1001	0.00	5.1
09/01/2023 07:01	23.9	0.1	0.4	1	1	29/12/2022 18:00	1002	0.00	5.2
09/01/2023 08:31	24.2	0.1	0.6	0	1	29/12/2022 19:00	1002	0.00	4.9
09/01/2023 10:01	19.1	0.1	0.6	1	1	29/12/2022 20:00	1002	0.00	5.0
09/01/2023 11:31	20.8	0.1	0.5	1	1	29/12/2022 21:00	1001	0.00	4.6
09/01/2023 13:01	20.8	0.2	0.4	1	1	29/12/2022 22:00	1001	0.00	5.0
09/01/2023 14:31	20.4	0.2	0.4	1	1	29/12/2022 23:00	1000	0.00	5.1
09/01/2023 16:01	19.9	0.2	0.4	1	1	30/12/2022 00:00	999	0.00	5.3
09/01/2023 17:31	22.9	0.2	0.3	1	1	30/12/2022 01:00	998	0.00	5.8
09/01/2023 19:01	25.5	0.2	0.4	1	1	30/12/2022 02:00	996	0.00	6.1
09/01/2023 20:31	24.2	0.2	0.4	1	1	30/12/2022 03:00	995	0.00	6.3
09/01/2023 22:01	24.7	0.2	0.3	1	1	30/12/2022 04:00	993	-0.25	6.7
09/01/2023 23:31	25.2	0.2	0.2	1	1	30/12/2022 05:00	991	0.00	6.8
10/01/2023 01:01	20.8	0.2	0.2	1	1	30/12/2022 06:00	990	0.00	6.9
10/01/2023 02:31	21.3	0.2	0.1	1	1	30/12/2022 07:00	987	0.00	6.8
10/01/2023 04:01	20.7	0.2	0.0	1	1	30/12/2022 08:00	985	0.00	6.9
10/01/2023 05:31	19.7	0.2	0.0	1	1	30/12/2022 09:00	984	-0.25	7.2
10/01/2023 07:01	21.3	0.2	0.0	2	1	30/12/2022 10:00	984	-0.59	7.7
10/01/2023 08:31	23.9	0.2	0.0	2	0	30/12/2022 11:00	985	0.00	8.8
10/01/2023 10:01	22.9	0.2	0.0	2	0	30/12/2022 12:00	987	0.00	9.3
						30/12/2022 13:00	987	0.00	9.5
						30/12/2022 14:00	989	0.00	9.8
						30/12/2022 15:00	990	0.00	9.3
						30/12/2022 16:00	991	0.00	8.9
						30/12/2022 17:00	992	0.00	8.8
						30/12/2022 18:00	992	0.00	8.4
						30/12/2022 19:00	993	0.00	8.2
						30/12/2022 20:00	994	0.00	8.1
						30/12/2022 21:00	994	0.00	8.2
						30/12/2022 22:00	994	0.00	8.3
						30/12/2022 23:00	993	0.00	8.3
						31/12/2022 00:00	993	0.00	8.3
						31/12/2022 01:00	993	0.00	8.4
						31/12/2022 02:00	993	0.00	8.2
						31/12/2022 03:00	992	0.00	8.2
						31/12/2022 04:00	991	-0.25	8.4
						31/12/2022 05:00	992	0.00	8.9
						31/12/2022 06:00	992	0.00	9.2
						31/12/2022 07:00	993	-0.34	9.4
						31/12/2022 08:00	994	0.00	9.4
						31/12/2022 09:00	995	0.00	9.5
						31/12/2022 10:00	995	0.00	9.6
						31/12/2022 11:00	995	0.00	9.8
						31/12/2022 12:00	995	0.00	9.9
						31/12/2022 13:00	994	0.00	9.8
						31/12/2022 14:00	993	0.00	9.7
						31/12/2022 15:00	994	0.00	9.6
						31/12/2022 16:00	993	0.00	9.4
						31/12/2022 17:00	994	0.00	9.2
						31/12/2022 18:00	994	0.00	9.1
						31/12/2022 19:00	995	-0.25	9.0
						31/12/2022 20:00	996	0.29	8.8
						31/12/2022 21:00	996	-0.25	8.8
						31/12/2022 22:00	997	0.00	8.4
						31/12/2022 23:00	998	0.00	8.2
						01/01/2023 00:00	999	0.00	8.1
						01/01/2023 01:00	999	0.00	8.0
						01/01/2023 02:00	1000	0.00	7.9
						01/01/2023 03:00	1000	0.00	7.8
						01/01/2023 04:00	1000	0.00	7.4
						01/01/2023 05:00	1001	0.00	7.4
						01/01/2023 06:00	1002	0.00	7.1
						01/01/2023 07:00	1002	0.00	7.0
						01/01/2023 08:00	1002	0.29	7.3
						01/01/2023 09:00	1003	0.00	7.3
						01/01/2023 10:00	1003	0.00	8.0



GC Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S	LL and BL Date and Time	Atmospheric Pressure	Flow	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v		mbar	Ltr/hr	°C
						01/01/2023 11:00	1004	0.00	8.3
						01/01/2023 12:00	1004	0.00	8.7
						01/01/2023 13:00	1003	0.00	9.1
						01/01/2023 14:00	1004	0.00	9.3
						01/01/2023 15:00	1003	0.00	9.2
						01/01/2023 16:00	1004	0.00	8.9
						01/01/2023 17:00	1004	0.00	8.5
						01/01/2023 18:00	1004	0.00	8.3
						01/01/2023 19:00	1004	0.00	7.8
						01/01/2023 20:00	1004	0.00	7.5
						01/01/2023 21:00	1004	0.00	7.5
						01/01/2023 22:00	1004	0.00	7.2
						01/01/2023 23:00	1005	0.00	7.1
						02/01/2023 00:00	1006	0.00	6.4
						02/01/2023 01:00	1006	0.00	6.1
						02/01/2023 02:00	1007	0.00	6.0
						02/01/2023 03:00	1008	0.00	5.3
						02/01/2023 04:00	1009	0.00	4.6
						02/01/2023 05:00	1010	0.00	3.6
						02/01/2023 06:00	1011	0.00	2.6
						02/01/2023 07:00	1012	0.00	2.3
						02/01/2023 08:00	1013	0.00	2.2
						02/01/2023 09:00	1015	0.00	1.9
						02/01/2023 10:00	1016	0.00	1.6
						02/01/2023 11:00	1016	0.00	1.9
						02/01/2023 12:00	1016	0.00	2.9
						02/01/2023 13:00	1017	0.00	3.3
						02/01/2023 14:00	1017	0.00	3.5
						02/01/2023 15:00	1017	0.00	3.4
						02/01/2023 16:00	1018	0.00	2.9
						02/01/2023 17:00	1018	0.00	2.4
						02/01/2023 18:00	1018	0.00	1.7
						02/01/2023 19:00	1019	0.00	1.4
						02/01/2023 20:00	1019	0.00	1.1
						02/01/2023 21:00	1019	0.00	0.7
						02/01/2023 22:00	1018	0.00	0.6
						02/01/2023 23:00	1018	0.00	0.6
						03/01/2023 00:00	1018	0.00	1.3
						03/01/2023 01:00	1017	0.00	2.8
						03/01/2023 02:00	1016	0.00	3.2
						03/01/2023 03:00	1016	0.00	3.6
						03/01/2023 04:00	1014	0.00	4.6
						03/01/2023 05:00	1013	0.00	5.2
						03/01/2023 06:00	1013	0.00	6.0
						03/01/2023 07:00	1013	0.00	6.6
						03/01/2023 08:00	1013	0.00	7.1
						03/01/2023 09:00	1013	0.00	7.5
						03/01/2023 10:00	1013	0.00	7.9
						03/01/2023 11:00	1012	0.00	8.2
						03/01/2023 12:00	1011	0.29	8.3
						03/01/2023 13:00	1010	0.00	8.5
						03/01/2023 14:00	1009	0.00	8.6
						03/01/2023 15:00	1008	0.00	8.9
						03/01/2023 16:00	1008	-0.25	9.1
						03/01/2023 17:00	1008	0.00	9.4
						03/01/2023 18:00	1008	-0.96	9.7
						03/01/2023 19:00	1009	0.00	9.8
						03/01/2023 20:00	1009	0.00	9.9
						03/01/2023 21:00	1009	0.00	10.0
						03/01/2023 22:00	1009	0.00	10.0
						03/01/2023 23:00	1009	-0.50	10.0
						04/01/2023 00:00	1009	0.00	10.1
						04/01/2023 01:00	1009	0.00	10.2
						04/01/2023 02:00	1009	-0.25	10.3
						04/01/2023 03:00	1009	-0.25	10.4
						04/01/2023 04:00	1009	-0.25	10.5
						04/01/2023 05:00	1010	0.00	10.5
						04/01/2023 06:00	1010	0.00	10.4
						04/01/2023 07:00	1011	-1.46	10.3
						04/01/2023 08:00	1011	0.00	10.3
						04/01/2023 09:00	1012	0.00	10.3
						04/01/2023 10:00	1013	0.04	10.2
						04/01/2023 11:00	1013	0.00	10.6
						04/01/2023 12:00	1013	-0.63	10.7
						04/01/2023 13:00	1013	0.00	10.3
						04/01/2023 14:00	1014	-0.50	10.5
						04/01/2023 15:00	1014	0.00	10.4
						04/01/2023 16:00	1015	0.00	10.3
						04/01/2023 17:00	1015	-0.25	10.2
						04/01/2023 18:00	1016	0.29	10.2
						04/01/2023 19:00	1016	0.00	10.1
						04/01/2023 20:00	1016	0.00	10.0
						04/01/2023 21:00	1016	0.00	9.8
						04/01/2023 22:00	1017	-0.25	9.9
						04/01/2023 23:00	1017	0.00	9.9

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
 Experts in Continuous Monitoring						05/01/2023 00:00	1017	0.00	9.8
						05/01/2023 01:00	1017	0.00	9.7
						05/01/2023 02:00	1017	0.00	9.6
						05/01/2023 03:00	1017	0.00	9.6
						05/01/2023 04:00	1017	0.00	9.6
						05/01/2023 05:00	1017	0.00	9.6
						05/01/2023 06:00	1017	0.00	9.8
						05/01/2023 07:00	1016	0.00	9.8
						05/01/2023 08:00	1016	0.00	9.9
						05/01/2023 09:00	1016	0.00	9.9
						05/01/2023 10:00	1017	0.00	10.0
						05/01/2023 11:00	1017	0.00	10.0
						05/01/2023 12:00	1016	0.00	10.2
						05/01/2023 13:00	1015	0.00	10.4
						05/01/2023 14:00	1014	0.00	10.5
						05/01/2023 15:00	1013	0.00	10.4
						05/01/2023 16:00	1013	0.00	10.3
						05/01/2023 17:00	1012	0.00	10.1
						05/01/2023 18:00	1011	-0.25	10.0
						05/01/2023 19:00	1011	0.00	10.0
						05/01/2023 20:00	1010	0.00	9.9
						05/01/2023 21:00	1008	0.00	9.9
						05/01/2023 22:00	1010	0.00	9.0
						05/01/2023 23:00	1010	0.00	8.3
						06/01/2023 00:00	1011	0.00	7.6
						06/01/2023 01:00	1011	0.00	7.4
						06/01/2023 02:00	1011	0.00	6.9
						06/01/2023 03:00	1011	0.00	7.0
						06/01/2023 04:00	1012	0.00	6.7
						06/01/2023 05:00	1012	0.00	6.5
						06/01/2023 06:00	1011	0.00	6.5
						06/01/2023 07:00	1011	0.00	6.7
						06/01/2023 08:00	1011	0.00	7.1
						06/01/2023 09:00	1011	0.00	7.3
						06/01/2023 10:00	1011	0.00	7.6
						06/01/2023 11:00	1011	0.00	8.2
						06/01/2023 12:00	1010	0.00	8.4
						06/01/2023 13:00	1009	0.00	8.8
						06/01/2023 14:00	1008	0.00	8.7
						06/01/2023 15:00	1007	0.00	9.1
						06/01/2023 16:00	1006	0.00	8.8
						06/01/2023 17:00	1005	0.00	8.9
						06/01/2023 18:00	1004	0.00	9.2
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						06/01/2023 23:00	1001	0.00	9.7
						07/01/2023 00:00	1000	0.00	9.8
						07/01/2023 01:00	999	0.00	9.4
						07/01/2023 02:00	997	0.00	9.4
						07/01/2023 03:00	996	0.00	9.5
						07/01/2023 04:00	994	0.00	9.5
						07/01/2023 05:00	993	0.00	9.5
						07/01/2023 06:00	993	0.00	9.4
						07/01/2023 07:00	991	0.00	9.4
						07/01/2023 08:00	992	0.00	9.4
						07/01/2023 09:00	992	0.00	9.0
						07/01/2023 10:00	992	0.00	8.8
						07/01/2023 11:00	992	0.00	9.0
						07/01/2023 12:00	991	0.00	9.1
						07/01/2023 13:00	990	0.00	9.3
						07/01/2023 14:00	990	0.00	9.2
						07/01/2023 15:00	989	0.00	8.4
						07/01/2023 16:00	991	0.00	7.8
						07/01/2023 17:00	990	-0.34	7.2
						07/01/2023 18:00	991	0.42	7.4
						07/01/2023 19:00	991	0.00	7.5
						07/01/2023 20:00	991	0.00	7.5
						07/01/2023 21:00	991	-0.25	7.6
						07/01/2023 22:00	991	-0.25	7.3
						07/01/2023 23:00	991	0.00	7.1
						08/01/2023 00:00	991	0.00	7.0
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						08/01/2023 02:00	990	0.00	6.6
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						08/01/2023 05:00	990	0.00	5.8
						08/01/2023 06:00	989	0.00	5.7
						08/01/2023 07:00	988	-1.45	5.7
						08/01/2023 08:00	987	0.00	5.9
						08/01/2023 09:00	986	-0.25	6.0
						08/01/2023 10:00	986	0.00	6.0
						08/01/2023 11:00	985	0.00	6.4
						08/01/2023 12:00	985	0.00	6.3

GC Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v	LL and BL Date and Time	Atmospheric Pressure mbar	Flow Ltr/hr	Temperature °C
						08/01/2023 13:00	985	0.00	6.6
						08/01/2023 14:00	985	0.00	6.0
						08/01/2023 15:00	985	0.00	5.7
						08/01/2023 16:00	985	0.00	5.3
						08/01/2023 17:00	985	0.00	5.6
						08/01/2023 18:00	984	0.00	5.6
						08/01/2023 19:00	983	0.00	5.7
						08/01/2023 20:00	983	0.00	5.7
						08/01/2023 21:00	986	0.00	5.5
						08/01/2023 22:00	987	0.00	4.8
						08/01/2023 23:00	988	0.00	4.5
						09/01/2023 00:00	989	0.00	4.5
						09/01/2023 01:00	990	0.00	4.6
						09/01/2023 02:00	991	0.00	4.5
						09/01/2023 03:00	992	-0.50	4.4
						09/01/2023 04:00	992	-0.25	4.4
						09/01/2023 05:00	993	-0.25	4.8
						09/01/2023 06:00	994	0.00	4.9
						09/01/2023 07:00	995	0.00	4.9
						09/01/2023 08:00	997	-0.54	4.7
						09/01/2023 09:00	999	-0.25	4.5
						09/01/2023 10:00	1000	0.00	4.6
						09/01/2023 11:00	1002	-0.50	5.1
						09/01/2023 12:00	1003	-0.50	6.0
						09/01/2023 13:00	1004	-0.25	6.9
						09/01/2023 14:00	1005	-0.25	7.1
						09/01/2023 15:00	1006	-0.25	6.8
						09/01/2023 16:00	1007	0.00	6.4
						09/01/2023 17:00	1008	0.00	5.7
						09/01/2023 18:00	1008	0.00	5.3
						09/01/2023 19:00	1009	0.00	5.1
						09/01/2023 20:00	1010	0.00	4.9
						09/01/2023 21:00	1011	0.00	4.4
						09/01/2023 22:00	1011	0.00	3.7
						09/01/2023 23:00	1011	0.00	2.8
						10/01/2023 00:00	1011	0.00	2.1
						10/01/2023 01:00	1011	0.00	1.9
						10/01/2023 02:00	1010	0.00	2.3
						10/01/2023 03:00	1009	0.00	3.5
						10/01/2023 04:00	1008	0.00	4.3
						10/01/2023 05:00	1007	0.00	4.8
						10/01/2023 06:00	1005	0.00	5.0
						10/01/2023 07:00	1004	0.00	5.4
						10/01/2023 08:00	1003	0.00	6.1
						10/01/2023 09:00	1002	0.00	7.1
						10/01/2023 10:00	1002	0.00	8.1

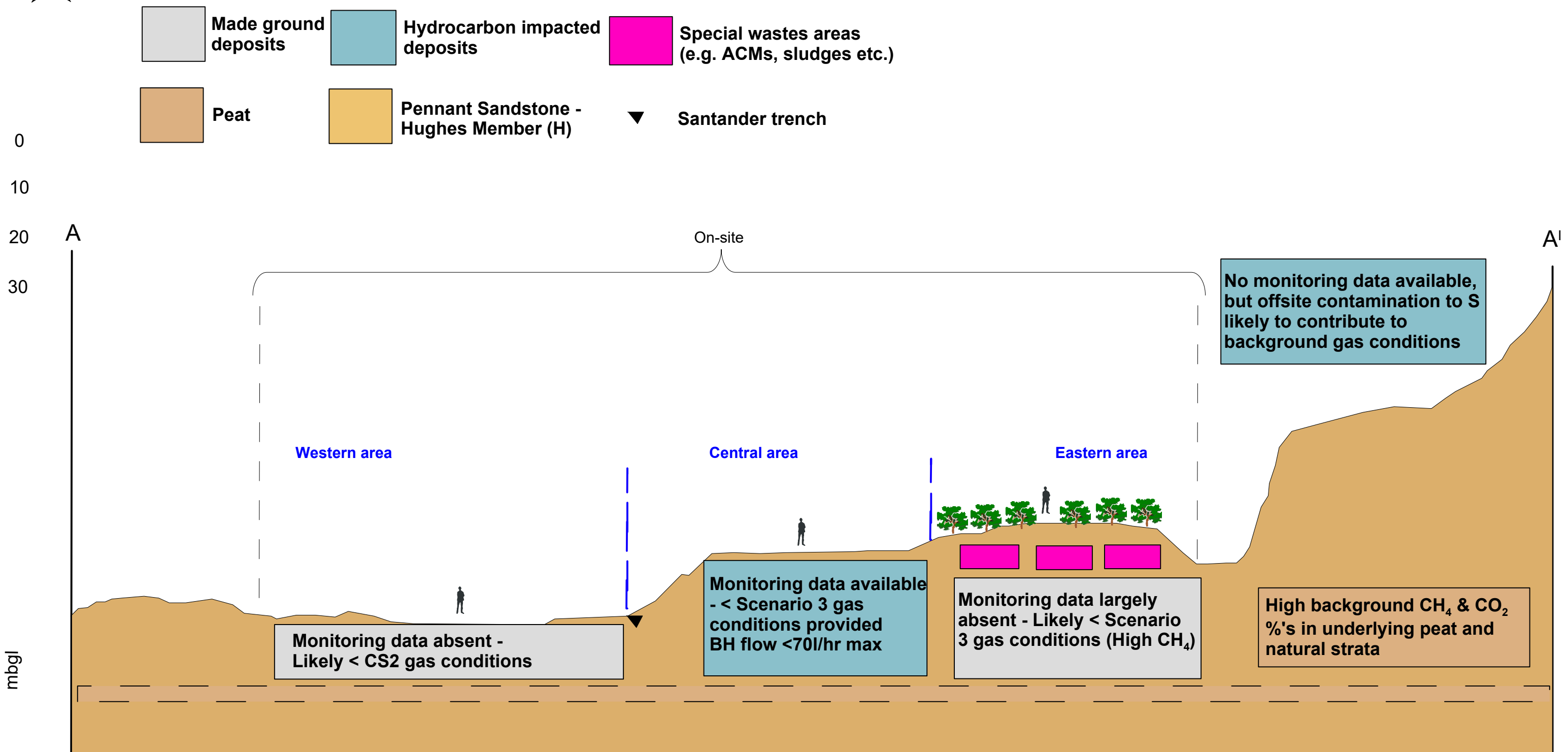


Experts in Continuous Monitoring

Initial Landfill Gas Assessment Coed Darcy Landfill, Llandarcy

Appendix C

Conceptual site model schematic



Rev.	Date	Dwn.	Description	App'
0	27/01/2023	EC	FINAL	JD

An aerial photograph of a landscape. A red line, labeled 'A' at the left end and 'A'' at the right end, runs diagonally across the image. The landscape includes a river on the left, a road, and various land parcels with different vegetation and structures.

NOTE: diagram is a conceptual schematic and does not represent the physical state. It should not be used to scale or further reproduced



Unit 10 Pythia House, Bamford Business Park,
Hibbert Street, Stockport, SK4 1PL
www.ggs-uk.com

Initial Landfill Gas Assessment Coed Darcy Landfill, Llandarcy

Appendix D

Outline surrender monitoring network



Key

- + In-waste location (Full waste depth, plugged at base)
- + Perimeter location (Screened to lowest seasonal GW level)
- Site boundary

DRAWING NO: GGS3151_OSMN_27.01.2023					TITLE: Outline surrender monitoring network	 Experts in Continuous Monitoring Unit 10 Pythia House, Bamford Business Park, Hibbert Street,Stockport, SK4 1PL www.ggs-uk.com																										
<table><tr><th>Rev.</th><th>Date</th><th>Dwn.</th><th>Description</th><th>App'd</th></tr><tr><td>0</td><td>27/01/2023</td><td>EC</td><td>FINAL</td><td>JD</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>					Rev.			Date	Dwn.	Description	App'd	0	27/01/2023	EC	FINAL	JD																PROJECT: GGS3151 Coed Darcy, Llandarcy
Rev.	Date	Dwn.	Description	App'd																												
0	27/01/2023	EC	FINAL	JD																												
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