APPENDIX I: Ground-Gas Monitoring Results

2 The Long Barn, Norton Farm, Selborne Road, Alton, Hampshire GU34 3NB
0333 600 1221 enquiries@groundandwater.co.uk **groundandwater.co.uk**

Registered Office: Kineton House, 31 Horse Fair, Banbury, Oxfordshire OX16 0AE Registered in England No. 07032001

Job No:	6540	**Date:**		**16/05/2025**		**Ground Gas Serial No.:**	1
Site name:		**Time:**		**to**		**Last Calibration:**	
Operator:	Oli	**Visit No:**	1	**of**		**PID Analyser Serial No.:**	1
						Last Calibration:	

Monitoring Point	GAS CONCENTRATIONS								VOLATILES			FLOW DATA			WELL AND WATER DATA		Additional Remarks
	Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	Oxygen (%v/v)		PID Compensation Factor	PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Water level (m bgl)	Depth of well (m bgl)	
	Peak	Steady	Peak	Steady	Peak	Peak	Min	Steady				Peak	Steady				
Ambient air	0.00	0.00	0.10	0.10	0	0	20.10	20.10	1.00	0.0	/	n/a	n/a	n/a	n/a	n/a	
Bh2	0.00	0.00	0.30	0.30	0	0	20.00	20.00	1.0	0.0		0.0	0.0	0.00	3.20	9.40	
Bh1	0.00	0.00	0.50	0.50	0	0	19.40	19.40	1.0	0.0		0.0	0.0	0.00	3.50	9.10	
Max	**0.00**	**0.00**	**0.50**	**0.50**	**0**	**0**	**20.10**	**20.10**		**0.0**	**0**	**0.00**	**0.00**	**0.00**	**3.5**		
Min	**0.00**	**0.00**	**0.10**	**0.10**	**0**	**0**	**19.40**	**19.40**		**0.0**	**0**	**0.00**	**0.00**	**0.00**	**3.2**		

SITE INFORMATION:

State of ground:		Dry		Wet		Snow		Frozen	X	Hardstanding
Wind:		Calm	X	Moderate		Strong				
Cloud cover:		None	X	Cloudy		Overcast				
Preciptation:	X	None		Moderate		Heavy				

METEOROLOGICAL INFORMATION:

Official Barometric Pressure (mbar): [ ] 3hr Before [1001.0] End of Monitoring (taken from wow.metoffice.gov.uk station STATION NAME)

Official Pressure Tendency:

(Change in atmospheric pressure for the preceding 3 hours of monitoring)

- [ ] Falling (decreasing change >1.6 mbar)
- [ ] Steady (change of 0.1 - 1.5 mbar)
- [ ] Rising (increasing change >1.6 mbar)

Job No:	6540	**Date:**		**22.05.25**		**Ground Gas Serial No.:**	1
Site name:	220 Elgar Road South	**Time:**	**10:00**	**to**	**10:30**	**Last Calibration:**	
Operator:	OD	**Visit No:**	2	**of**	**2**	**PID Analyser Serial No.:**	1
						Last Calibration:	

Monitoring Point	GAS CONCENTRATIONS								VOLATILES			FLOW DATA			WELL AND WATER DATA		Additional Remarks
	Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	Oxygen (%v/v)		PID Compensation Factor	PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Water level (m bgl)	Depth of well (m bgl)	
	Peak	Steady	Peak	Steady	Peak	Peak	Min	Steady				Peak	Steady				
Ambient air	0.00	0.00	0.10	0.10	0	0	20.10	20.10	1.00	0.0	/	n/a	n/a	n/a	n/a	n/a	
Bh2	0.00	0.00	0.30	0.30	0	0	20.00	20.00	1.0	0.0		0.0	0.0	0.00	3.10	9.40	
Bh1	0.00	0.00	0.40	0.41	0	0	19.40	19.40	1.0	0.0		0.0	0.0	0.00	3.20	9.10	
Max	**0.00**	**0.00**	**0.40**	**0.41**	**0**	**0**	**20.10**	**20.10**		**0.0**	**0**	**0.00**	**0.00**	**0.00**	**3.2**		
Min	**0.00**	**0.00**	**0.10**	**0.10**	**0**	**0**	**19.40**	**19.40**		**0.0**	**0**	**0.00**	**0.00**	**0.00**	**3.1**		

SITE INFORMATION:

State of ground:		Dry		Wet		Snow		Frozen	X	Hardstanding
Wind:		Calm	X	Moderate		Strong				
Cloud cover:		None	X	Cloudy		Overcast				
Preciptation:	X	None		Moderate		Heavy				

METEOROLOGICAL INFORMATION:

Official Barometric Pressure (mbar): [ ] 3hr Before [998.0] End of Monitoring (taken from wow.metoffice.gov.uk station STATION NAME)

Official Pressure Tendency:

(Change in atmospheric pressure for the preceding 3 hours of monitoring)

- [ ] Falling (decreasing change >1.6 mbar)
- [ ] Steady (change of 0.1 - 1.5 mbar)
- [ ] Rising (increasing change >1.6 mbar)

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Understanding the hazards and risks at your site

GGS3988 Elgar Road South, Reading

Ref: GGS3988DP01
Issue: Final
Date: May 2025

QMS ISO 45001 : 2018 REGISTERED Cert No. 14121529

QMS ISO 45001 : 2018 REGISTERED Cert No. 14121529

QMS ISO 45001 : 2018 REGISTERED Cert No. 14121529

Document Control Page

Client	Ground & Water Ltd Norton Farm Cottage, Unit 2, The Long Barn, Selborne Road, Alton, GU34 3NB.
Project Title	GGS DataPack® GGS3988 Elgar Road South, Reading
Report Ref	GGS3988DP01
Project Revision	-
Revision Detail	-
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	Name		Position	Signature	Date
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FOREWORD

This report has been prepared based on information made available to Ground-Gas Solutions, trading as 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.

GGS has relied on information provided by others and has prepared this report on the basis of this information being accurate.

The report and recommendations therein are provided based on information available to GGS at the time of preparing the report and completed to recognised UK guidance and legislation. GGS will not accept any liability for inaccurate or incomplete information provided to GGS or any liability arising from the future change of any such guidance or legislation.

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1 Introduction

GGS Limited has been commissioned by Ground & Water Ltd to undertake continuous ground gas monitoring at Elgar Road South, Reading (subsequently referred to as 'the site' throughout this report), and provide a GGS DataPack® report containing the following information:

- Periodic monitoring records.
- Continuous monitoring data and graphs.
- Atmospheric pressure trend analysis.
- Instrument calibration certificates.

1.1 Scope of works

The scope of works is set out below:

- A site visit by a GGS specialist on the 9th April 2025 to; periodically monitor 2 No. monitoring well locations and deploy continuous ground gas monitoring instruments at 2 No. monitoring well locations.
- A site visit by GGS specialists on 7th May 2025 to collect continuous ground gas monitoring instruments from 2 No. monitoring well locations.
- Provision of a GGS DataPack® report.

2 Site Characteristics

2.1 Site Description

Table 2.1 below details the site description. A site and monitoring location plan is presented in Appendix A, whilst selected site photographs are presented in Appendix B.

Table 2.1 Site description

Description	Details
Address	220 Elgar Road South, Reading, RG2 0BW.
National grid Reference (approximate centre of site)	SU 71530 72132
Overview	The site comprises a car park to the rear of former DVSA Reading Driving Test Centre. GGS understands the site requires continuous ground gas monitoring to update and revise the gas conceptual site model.
North of the site	The site is bound to the north by Park View and residential housing.
South of the site	The site is bound to the south by residential housing.
East of the site	The site is bound to the east by Elgar Road South and some industrial units.
West of the site	A portion of greenspace lies to the West along with Waterloo Meadows Basketball Court and the River Kennet.

Figure 1 below presents selected GGS site photographs. Additional site photographs are presented in Appendix B.

Figure 1 Selected GGS site photographs (April 2025). Image top left: View of car park area of site. Image top right: Rear of building on site. Image bottom left: Entrance lane to site. Image bottom right: GGS headworks and instrumentation secured in situ.

3 Methodology

3.1 Periodic monitoring of well locations

GGS undertook periodic ground gas monitoring of 2 No. monitoring well locations, prior to the deployment of the continuous monitoring instrument. Concentrations of standard ground gases (methane, carbon dioxide, oxygen, carbon monoxide, and hydrogen sulphide), and flow rates, were recorded until steady state conditions were observed, or up to a maximum of 10 minutes.

GGS also recorded depth to groundwater and depth to base of the monitoring well using a geotechnical dip meter. Monitoring data was recorded on individual proforma records, along with all pertinent observations.

A summary of the periodic monitoring records is presented in Section 4.1, whilst the full periodic monitoring records are presented in Appendix C.

3.2 Continuous ground gas monitoring

3.2.1 Definition

When the frequency of sampling matches, or is greater than, the frequency of a parameter change, the data collected can be termed ‘continuous’. A continuous data set will therefore capture the full range of variation in the parameter being recorded.

3.2.2 Benefits of continuous data

The collection of time series data of permanent gases and other environmental parameters provides a wealth of information significantly assisting the assessor to identify the dominant processes of gas generation and migration. This leads to a more detailed understanding of the ground-gas regime and allows for an accurate and truly site-specific risk assessment to be completed.

3.2.3 Methodology

GGS deployed continuous ground gas monitoring instruments within 2 No. monitoring well locations for a 4-week period during April and May 2025. The instruments were configured to record standard ground gases (methane, carbon dioxide, oxygen, carbon monoxide and hydrogen sulphide), along with atmospheric pressure, atmospheric temperature, and borehole flow, at a 60-minute monitoring frequency.

Figure 2 below presents selected site photographs of the continuous monitoring instruments deployed and secured on site, whilst Table 3.1 details the continuous monitoring schedule.

Figure 2 Selected GGS site photograph of a Gas Sentinel® continuous ground gas monitoring instrument deployed and secured on site.

Table 3.1 Continuous monitoring schedule

Location ID	Instrument Serial No.	Dates monitored
BH1	Gas Sentinel® 03000067	09/04/2025 – 07/05/2025
BH2	Gas Sentinel® 03000060	09/04/2025 – 07/05/2025

Continuous monitoring graphs are presented in Section 4.2 and the raw data is presented in Appendix D. Calibration certificates for the instruments used are presented in Appendix E, whilst Gas Sentinel® overview & deployment information is presented in Appendix F.

4 Results

4.1 Summary of periodic monitoring of well locations

Table 4.1 below presents a summary of the periodic monitoring completed by GGS. The full periodic monitoring records are presented in Appendix C.

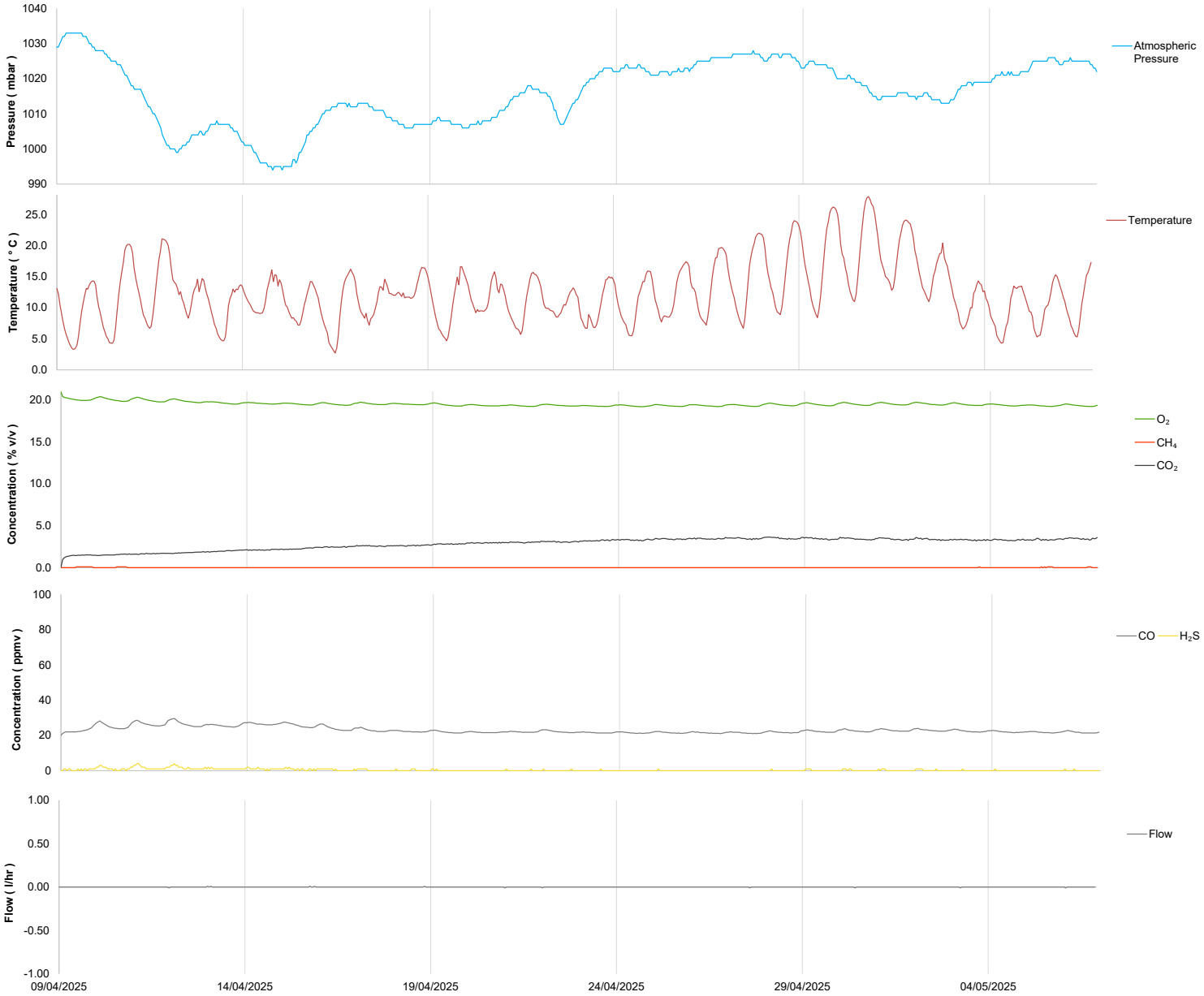
Table 4.1 Periodic gas monitoring results

Monitoring Location	Date	Max. Steady Positive Flow Rate (l/hr)	Max. CH_4 (% v/v)	Max. CO_2 (% v/v)	Min O_2 (% v/v)	Max. CO (ppmv)	Max. H_2S (ppmv)	Standing water level (m bgl)
BH1	09/04/2025	<0.1	0.1	4.3	10.3	3	<1	3.49
BH2	09/04/2025	<0.1	0.2	0.4	20.1	4	<1	1.74

4.2 Continuous monitoring results

GGS DataPack® analysis involves converting raw data files from instruments into spread sheets. The data is then plotted as time series data graphs, showing ground-gas concentrations, gas flow, atmospheric pressure and atmospheric temperature against time. The graphs also contain a minimum and maximum values table.

The time series graphs are presented on the following pages, whilst the raw time series data is presented in Appendix D.



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Title:
BH1 Time Series Graphs

Project Reference:
GGS3988

Project Name:
Elgar Road South, Reading

Client:
Ground & Water Ltd

Minimum / Maximum Table		
Parameter	**Minimum**	**Maximum**
CH_4 (% v/v)	0.0	0.1
CO_2 (% v/v)	0.1	3.7
O_2 (% v/v)	19.2	20.9
Carbon Monoxide (ppmv)	20	30
Hydrogen Sulphide (ppmv)	0	4
Temperature (° C)	2.7	27.9
Atmospheric Pressure (mbar)	994	1033
Flow (l/hr)	-0.01	0.01

These graphs form part of the GGS DataPack® which is a registered trademark.

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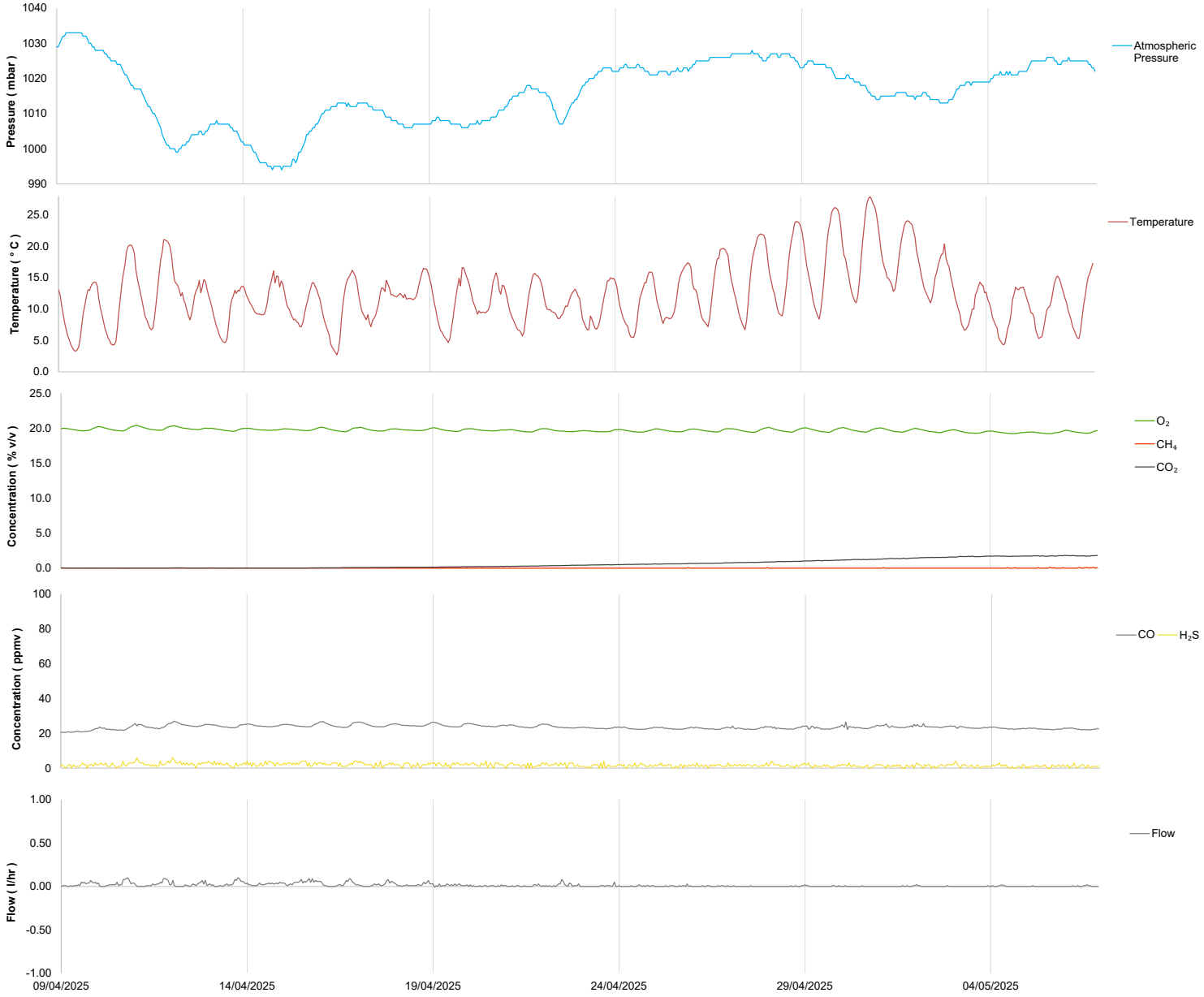

Experts in Continuous Monitoring

Title:
BH2 Time Series Graphs

Project Reference:
GGS3988

Project Name:
Elgar Road South, Reading

Client:
Ground & Water Ltd

Minimum / Maximum Table		
Parameter	**Minimum**	**Maximum**
CH_4 (% v/v)	0.0	0.1
CO_2 (% v/v)	0.0	1.8
O_2 (% v/v)	19.2	20.4
Carbon Monoxide (ppmv)	20	27
Hydrogen Sulphide (ppmv)	0	6
Temperature (° C)	2.7	27.9
Atmospheric Pressure (mbar)	994	1033
Flow (l/hr)	-0.01	0.10

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4.3 Atmospheric Pressure Analysis

Atmospheric pressure is often a dominant ground-gas driver and as such, monitoring should include measurements during falling and rising pressure events. Specifically, it is the rate of a pressure fall and the duration of the fall that are the two factors considered most important.

To capture potential 'worst case' conditions with respect to falling atmospheric pressure, monitoring should include both short and longer duration falling pressure events at a rate of 1.15 millibars per hour and above[1]. This is calculated as an average fall over an 8-hour reference period. The rate of change in atmospheric pressure over an 8-hour reference period is presented in Figure 4 on the following pages.

For weather forecasting in the UK, The Meteorological Office[2] records falling pressure tendency over a 3-hour period, whereby every hour the change in atmospheric pressure over the proceeding 3 hours is noted as being:

- Stable <0.1 millibars
- Falling (or rising) slowly >0.1 millibars
- Falling (or rising) >1.6 millibars
- Falling (or rising) rapidly >3.6 millibars
- Falling (or rising) very rapidly >6 millibars

Similarly, The British Coal Technical Department[3] considered a sharp fall in pressure to be between 4 and 8 millibars over a 3-hour period. GGS has used the time series data to reference a 3-hour tendency throughout the continuous monitoring period using the Met Office criteria listed above. A time series graph of the 3-hour pressure tendency is also presented in Figure 4 on the following pages, which provides time reference/occurrences to atmospheric pressure falling, falling rapidly and/or falling very rapidly.

[1] CL:AIRE Technical Bulletin 17, August 2018. Ground Gas Monitoring and 'Worst-Case' Conditions
[2] https://www.metoffice.gov.uk/binaries/content/assets/metofficegovuk/pdf/research/library-and-archive/library/publications/factsheets/factsheet_8-shipping-forecast.pdf
[3] British Coal Technical Department. 1990. Hazardous Gases Underground: Notes for Guidance NG/9. British Coal Technical Department.

The standard mean sea level pressure (MSLP) in the UK is defined as 1013.25 millibars[4], which provides a common value to compare atmospheric pressure across different locations and elevations. Atmospheric pressure above or below MSLP can therefore be considered either higher or lower than the average pressure for that geographical location. Typical meteorological convention is to segment atmospheric pressure into five distinct categories as follows:

- Very high >1035 millibars
- High >1020 <1035 millibars
- Normal >1005 <1020 millibars
- Low >990 <1005 millibars
- Very low <990 millibars

Table 4.2 on the following page provides a summary of the atmospheric pressure regime, including the percentage time in which pressure was below average and below average and falling.

With consideration to The Met Office pressure change criteria, the percentage distribution of the 3-hour atmospheric pressure tendency during the continuous monitoring period is presented in Figure 3 below. Although rising pressure will have a similar distribution to falling pressure, this is listed together. The percentage distribution of atmospheric pressure in terms of very low to very high pressure, is also included in Figure 3 below.

For the purpose of atmospheric pressure analysis, GGS has obtained historical weather data which is based on reanalysis datasets. A combination of weather station, aricraft, buoy, radar and satellite observations are used to creat a comprehensive record of past weather conditions. These datasets are able to provide detailed historical weather data for locations which may not have a local weather station and for locations that may have gaps in observational weather data. All the assessed atmospheric pressure data is relative to sea level pressure.

[4] https://www.metoffice.gov.uk/weather/learn-about/weather/how-weather-works/high-and-low-pressure

Table 4.2 Atmospheric pressure regime

Atmospheric Pressure Analysis 09/04/2025 – 07/05/2025	
Range in atmospheric pressure (mbar)	994.2 – 1032.9 (38.7 millibars)
Maximum average rate of fall over an 8-hour reference period	1.075 mbar/hour (12/04/2025 08:00 1009.8 mb to 12/04/2025 16:00 1001.2mb)
Maximum change in pressure over a 3-hour period (pressure tendency)	3.8 millibars (23/04/2025 01:00 1011.4mb to 23/04/2025 04:00 1007.6mb)
Most significant atmospheric pressure fall greater than 8 hours	33 millibars over 64 hours (0.52 mbar/hour) (1032.6 mb 10/04/2025 09:00 – 999.6 mb 13/04/2025 00:00).
% time low or very low pressure and falling	12.2%
Average pressure during the monitoring period (millibars)	1015.98

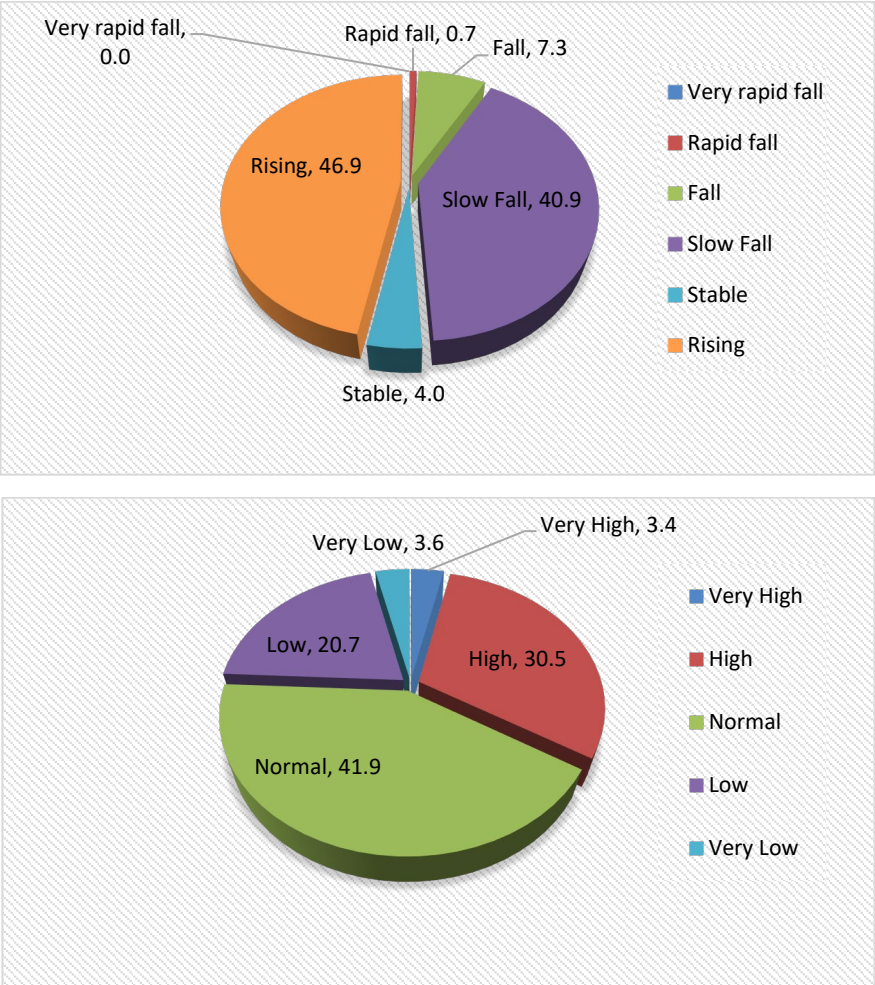

Figure 3 % distribution of 3-hour pressure tendency (top) and low, normal and high pressure (bottom)

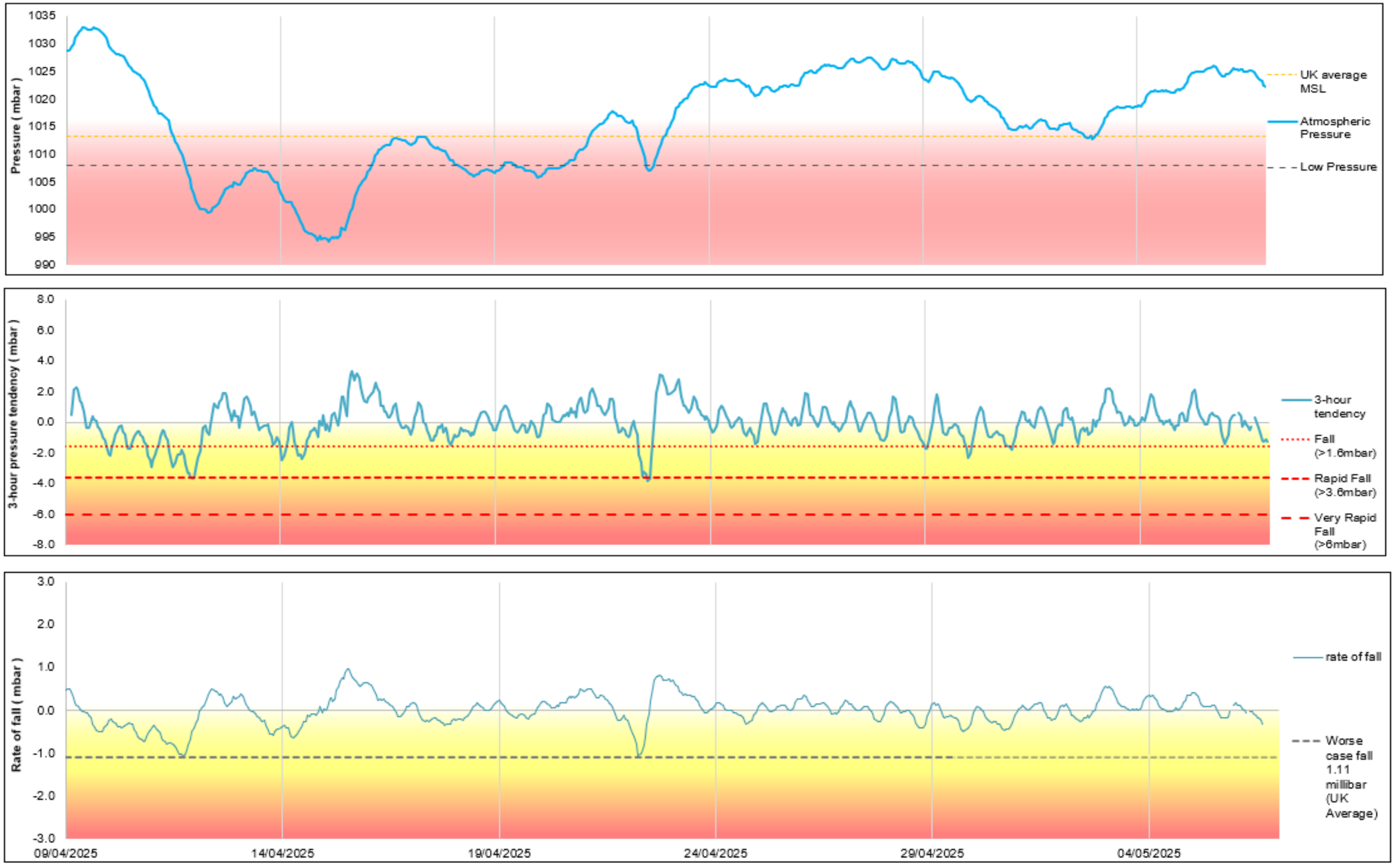

Figure 4 Time series atmospheric pressure presented with reference to standard UK mean sea level pressure (top), 3-hour pressure tendency (middle) and a maximum rate of fall averaged over an 8-hour reference period (bottom)

5 Instrumentation specifications

GGS instrumentation is maintained in accordance with the manufacturer recommendations and is serviced and calibrated annually. Note that for some instrumentation, cross sensitivity to other gases and significant environmental changes, such as temperature, pressure and humidity, should be taken into consideration when considering all site monitoring data.

The current calibration certificates for all equipment used on site are included in Appendix E.

5.1 GasData GFM400 series

The GasData GFM 400 series gas analyser with flow meter measures borehole flow rates, bulk gas concentrations (methane, carbon dioxide and oxygen), trace gas concentrations (carbon monoxide and hydrogen sulphide) barometric and differential pressure.

The specification range of the GFM 400 series is as follows:

Table 5.1 GFM 400 series specification

Feature	Method / Type	Range	Resolution
Methane	Infrared	0 - 100%v/v	0.1%
Lower Detection Limit (LEL)	Infrared	0 - 100%v/v	0.1%
Carbon Dioxide	Infrared	0 - 100%v/v	0.1%
Oxygen	Electrochemical	0 - 25%v/v	0.1%
Hydrogen Sulphide	Electrochemical	0 - 5000ppm	1ppm
Carbon Monoxide	Electrochemical	0 - 2000ppm	1ppm
Atmospheric Pressure	Absolute Pressure Sensor	800 - 1200mb	1mb
Differential Pressure	Thermal Dissipation	±1250Pa	0.1Pa
Temperature	Bi-metal	-10°C to +100°C	1°C
Flow	Thermal Dissipation	-60 – 100 l/hr	0.1l/hr

5.2 Gas Sentinel® instrumentation

Instrument specification and overview information sheets are presented in Appendix F.

6 ISO Accreditation and Professional Insurances

GGS are accredited to the following international standards:

- ISO 9001:2015 (Quality Management System);
- ISO 14001:2015 (Environmental Management System), and;
- ISO 45001: 2018 (Occupational Health and Safety Management System).

7 Limitations

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Appendix A

Site Location & Monitoring Location Plan

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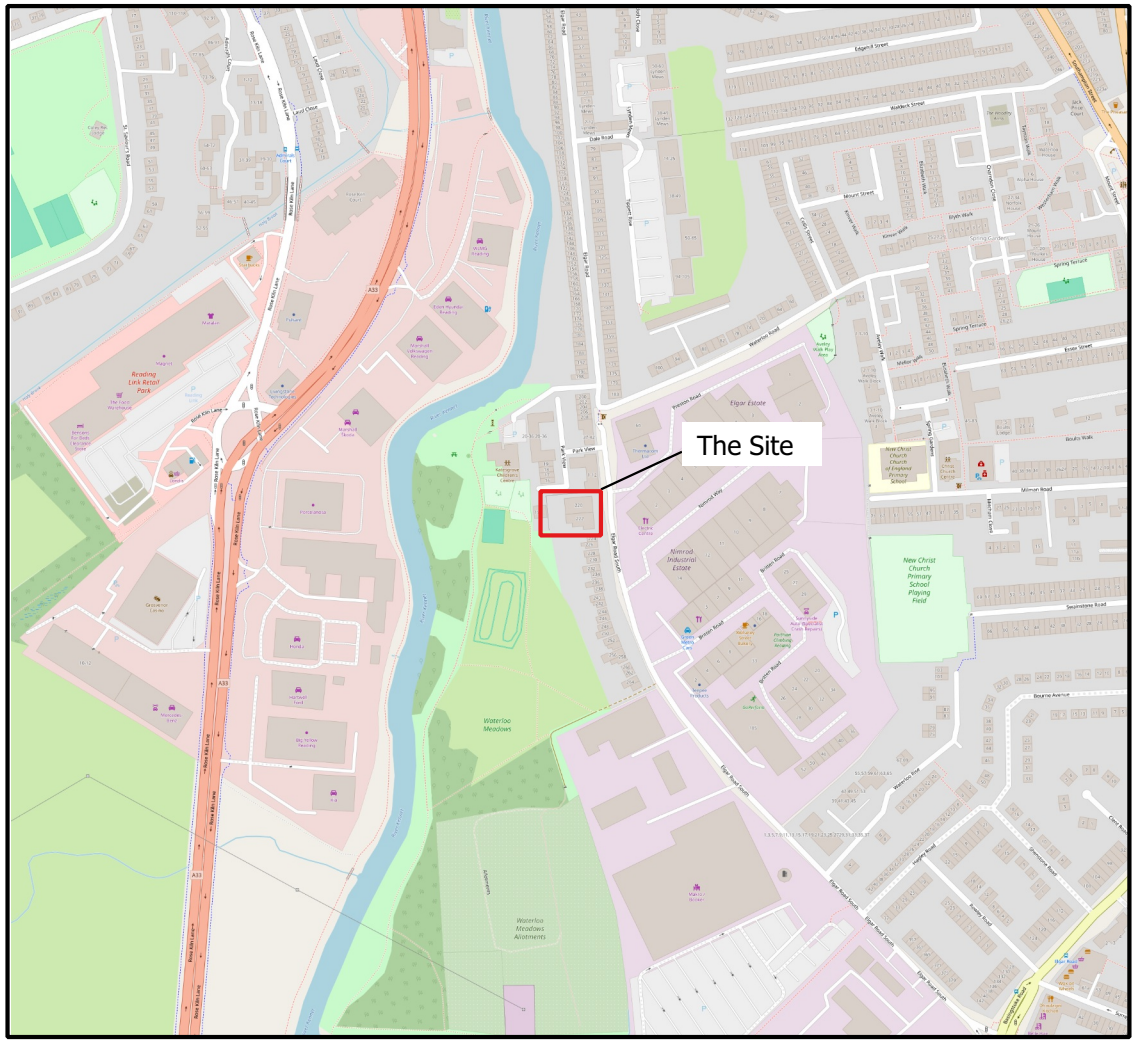

1:10,000

	Rev.	Date	Dwn	Description	App'd
TITLE: Site Location Plan	0	21/05/25	EC	FINAL	HH
PROJECT: GGS3988 Elgar Road South, Reading					
DRAWING REF: GGS3988_SLP_01					

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Note:
- All locations are approximate.
- Map & satellite imagery ©OpenStreetMap

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Ground gas solutions Ltd.
Pythia House (Unit 10),
Bamford Business Park,
Hibbert Street, Stockport
SK4 1PL

Title:
Monitoring Location Plan

Project:
GGS3988 Elgar Road South, Reading

Drawing No:
GGS3988_12.05.25

Key:

● Continuous monitoring location

Note:
- All locations are approximate.
- Imagery Google© 2025.

Rev.	Date	Dwn.	Description	App'd
0	12/05/25	MT	FINAL	HH

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Ground Gas Solutions (GGS) Ltd.
Pythia House (Unit 10), Bamford Business Park
Hibbert Street, Stockport, SK4 1PL

Appendix B

Site Photographs

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GGS DataPack®
GGS3988 Elgar Road South, Reading

1. General site photograph.

2. Flush headworks in place before GGS modifications.

3. Standpipe before GGS modifications.

4. Instrument installed within headworks.

5. Headworks secured.

6. General site photograph.

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GGS DataPack® Plus
GGS3988 Elgar Road South, Reading

Appendix C

Periodic Monitoring Data

For: Ground & Water Ltd
Ref No.: GGS3988DP01
Date: 21/05/2025

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PROJECT DETAILS		
Project ID	GGS3988	
Site	Elgar Road South, Reading	
Date	09/04/2025	
Weather Conditions (from Met office app)	**Temperature (°C)**	16
	Wind (km/h)	11.0
	Precipitation	None
	Cloud cover	None
	Atmospheric Pressure trend	Rising
Overall Site Ground Conditions	Flat asphalt car park of former driving test centre. Easy access to monitoring well locations.	
Site Notes/H&S Notes	N/A	

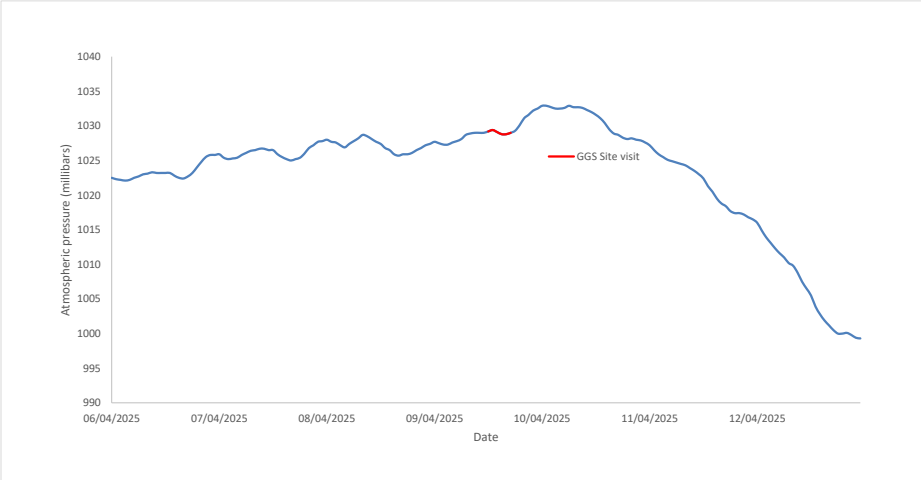

Figure 1. GGS site visit in relation to atmospheric pressure regime

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Site Name	Elgar Road South, Reading
Project ID	GGS3988
GGS Staff	PG
Monitoring Date	09/04/2025
Monitoring Start Time	13:46

Borehole Details	
Borehole ID	BH1
W3W	friday.crops.juices
Area surrounding borehole	Dry
Headworks Type	Ground Level
Rubber bung and valve in place?	Yes
Valve is clear and clean?	Yes
Standpipe Condition	Correct

Notes

BS8576 Visual Checks	
Concrete Cover	Present
Bentonite Seal	Pellet Form
Gravel Fill	Not Visible

Time	Gas Flow	Gas Readings					
(seconds)	Litres/hour	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	BAL	CO (ppmv)	H_2S (ppmv)
Fresh Air	<0.1	0.1	0.1	20.2	79.6	<1	<1
Initial	<0.1	0.1	2.7	16.7	80.5	1	<1
30	<0.1	0.1	2.7	13.8	83.4	1	<1
60	<0.1	0.1	2.8	13.6	83.5	3	<1
120	<0.1	0.1	2.9	13.2	83.8	3	<1
180		0.1	3.1	12.8	84.0	3	<1
240		0.1	3.4	12.2	84.3	2	<1
300		0.1	3.6	11.7	84.6	2	<1
360		0.1	3.8	11.3	84.8	1	<1
420		0.1	4.0	10.9	85.0	1	<1
480		0.1	4.1	10.6	85.2	1	<1
540		0.1	4.2	10.4	85.3	1	<1
600		0.1	4.3	10.3	85.3	<1	<1
Fresh Air	<0.1	0.1.	0.1	20.2	79.7	<1	<1

Borehole Measurements	
Groundwater Level (mbgl)	3.49
Depth to base (mbgl)	5.4

Pressure Readings	Start	End
Atmospheric Pressure (mb)	1029	1029

EQUIPMENT	
Model	Serial Number
GA 5000	G504460
Dip Tape	N/A

STEADY STATE FINAL RESULTS							
Reult	Flow (l/hr)	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	BAL	CO (ppmv)	H_2S (ppmv)
Steady state time (s)	30	30	N/A	N/A	N/A	60	30
Steady state value	<0.1	0.1	N/A	N/A	N/A	3	<1
Peak Value (O_2 Low)	<0.1	0.1	4.3	10.3	85.3	3	<1

KEY: <0.1= Below instrument limit of detection, NM = Not Measured, N/A = Not Applicable, %v/v = Percentage volume by volume, ppmv = parts per million by volume, mb = milibar, ltr/hr = litres per hour, mbgl = metres below ground level, OS = off scale of instrument

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Experts in Continuous Monitoring

Site Name	Elgar Road South, Reading
Project ID	GGS3988
GGS Staff	PG
Monitoring Date	09/04/2025
Monitoring Start Time	13:28

Borehole Details	
Borehole ID	BH2
W3W	tides.margin.walks
Area surrounding borehole	Dry
Headworks Type	Ground Level
Rubber bung and valve in place?	Yes
Valve is clear and clean?	Yes
Standpipe Condition	Correct

Notes
Brown silt at base.

BS8576 Visual Checks	
Concrete Cover	Present
Bentonite Seal	Pellet Form
Gravel Fill	Not Visible

Time	Gas Flow	Gas Readings					
(seconds)	Litres/hour	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	BAL	CO (ppmv)	H_2S (ppmv)
Fresh Air	<0.1	0.2	0.1	20.6	79.1	<1	<1
Initial	<0.1	0.2	0.4	20.4	79.0	4	<1
30	<0.1	0.2	0.2	20.2	79.4	2	<1
60	<0.1	0.2	0.3	20.2	79.3	2	<1
120	<0.1	0.2	0.2	20.2	79.4	2	<1
180		0.2	0.2	20.2	79.4	1	<1
240		0.2	0.2	20.2	79.4	1	<1
300		0.1	0.2	20.2	79.5	<1	<1
360		0.1	0.1	20.1	79.7	<1	<1
420		0.1	0.1	20.1	79.7	<1	<1
480		0.1	0.1	20.1	79.7	<1	<1
540							
600							
Fresh Air	<0.1	0.1.	0.1	20.2	79.7	<1	<1

Borehole Measurements	
Groundwater Level (mbgl)	1.74
Depth to base (mbgl)	3.64

Pressure Readings	Start	End
Atmospheric Pressure (mb)	1029	1029

STEADY STATE FINAL RESULTS							
Reult	Flow (l/hr)	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	BAL	CO (ppmv)	H_2S (ppmv)
Steady state time (s)	30	30	120	30	120	60	30
Steady state value	<0.1	0.2	0.2	20.2	79.4	30	<1
Peak Value (O_2 Low)	<0.1	0.2	0.4	20.1	79.7	2	<1

EQUIPMENT	
Model	Serial Number
GA 5000	G504460
Dip Tape	N/A

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GGS DataPack® Plus
GGS3988 Elgar Road South, Reading

Appendix D

Time Series Data

For: Ground & Water Ltd
Ref No.: GGS3988DP01
Date: 21/05/2025

Experts in Continuous Monitoring

Time Series Data

Project Ref:	GGS3988
Project Name:	Elgar Road South, Reading
Borehole ref:	BH1
Instrument Name and ID:	03000067
Start Date:	09/04/2025 17:00
End Date:	07/05/2025 14:00
Days of monitoring:	28
onitoring Frequency (hh:mm:ss):	01:00:00
Total samples taken:	670

Experts in Continuous Monitoring

Summary Table

	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
Minimum	0.0	0.1	19.2	20	0	-0.01	**Minimum**	994	-1.1	2.7
Maximum	0.1	3.7	20.9	30	4	0.01	**Maximum**	1033	1.0	27.9
Range	0.1	3.6	1.7	10	4	0.02	**Range**	39	2.1	25.2

Date and Time	CH_4 % v/v	CO_2 % v/v	O_2 % v/v	CO ppm/v	H_2S ppm/v	Flow Ltr/hr		Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Temperature °C
09/04/2025 17:00	0.0	0.1	20.9	20	0	0.00		1029	NM	13.1
09/04/2025 18:00	0.0	1.0	20.4	21	0	0.00		1029	NM	12.2
09/04/2025 19:00	0.0	1.2	20.3	22	1	0.00		1030	NM	10.5
09/04/2025 20:00	0.0	1.3	20.2	22	1	0.00		1031	NM	9.1
09/04/2025 21:00	0.0	1.4	20.2	22	0	0.00		1032	NM	7.7
09/04/2025 22:00	0.0	1.4	20.2	22	1	0.00		1032	NM	6.6
09/04/2025 23:00	0.0	1.4	20.1	22	1	0.00		1033	NM	5.7
10/04/2025 00:00	0.0	1.5	20.1	22	0	0.00		1033	NM	5.0
10/04/2025 01:00	0.0	1.5	20.0	22	0	0.00		1033	-1.1	4.3
10/04/2025 02:00	0.0	1.4	20.0	22	0	0.00		1033	0.5	3.8
10/04/2025 03:00	0.1	1.5	20.0	22	0	0.00		1033	0.4	3.4
10/04/2025 04:00	0.1	1.5	20.0	22	1	0.00		1033	0.3	3.3
10/04/2025 05:00	0.1	1.5	19.9	22	0	0.00		1033	0.1	3.5
10/04/2025 06:00	0.1	1.5	19.9	22	1	0.00		1033	0.1	4.0
10/04/2025 07:00	0.1	1.5	19.9	23	0	0.00		1033	0.0	5.4
10/04/2025 08:00	0.1	1.5	19.9	23	1	0.00		1033	0.0	7.5
10/04/2025 09:00	0.1	1.5	19.9	23	1	0.00		1033	0.0	9.4
10/04/2025 10:00	0.1	1.5	19.9	23	0	0.00		1032	-0.1	10.7
10/04/2025 11:00	0.1	1.5	19.9	24	1	0.00		1032	-0.1	12.0
10/04/2025 12:00	0.1	1.5	20.0	24	1	0.00		1032	-0.1	13.1
10/04/2025 13:00	0.1	1.5	20.0	25	1	0.00		1031	-0.3	13.0
10/04/2025 14:00	0.0	1.5	20.1	26	1	0.00		1030	-0.4	13.7
10/04/2025 15:00	0.0	1.5	20.2	26	1	0.00		1030	-0.4	14.1
10/04/2025 16:00	0.0	1.5	20.3	27	2	0.00		1029	-0.5	14.3
10/04/2025 17:00	0.0	1.5	20.3	28	2	0.00		1029	-0.5	14.3
10/04/2025 18:00	0.0	1.5	20.4	28	3	0.00		1028	-0.5	13.7
10/04/2025 19:00	0.0	1.5	20.3	28	3	0.00		1028	-0.5	11.7
10/04/2025 20:00	0.0	1.5	20.3	27	2	0.00		1028	-0.5	10.2
10/04/2025 21:00	0.0	1.5	20.2	26	2	0.00		1028	-0.4	9.2
10/04/2025 22:00	0.0	1.5	20.2	26	2	0.00		1028	-0.3	8.1
10/04/2025 23:00	0.0	1.5	20.1	25	1	0.00		1028	-0.3	6.9
11/04/2025 00:00	0.0	1.5	20.1	25	1	0.00		1027	-0.3	6.2
11/04/2025 01:00	0.0	1.5	20.0	25	1	0.00		1027	-0.3	5.4
11/04/2025 02:00	0.0	1.5	20.0	24	1	0.00		1026	-0.3	5.0
11/04/2025 03:00	0.0	1.5	20.0	24	0	0.00		1026	-0.3	4.4
11/04/2025 04:00	0.0	1.5	19.9	24	1	0.00		1025	-0.4	4.3
11/04/2025 05:00	0.1	1.6	19.9	24	0	0.00		1025	-0.4	4.3
11/04/2025 06:00	0.1	1.6	19.9	24	0	0.00		1025	-0.4	4.8
11/04/2025 07:00	0.1	1.6	19.8	24	0	0.00		1025	-0.4	6.8
11/04/2025 08:00	0.1	1.6	19.8	24	1	0.00		1024	-0.4	9.6
11/04/2025 09:00	0.1	1.6	19.8	24	1	0.00		1024	-0.4	12.0
11/04/2025 10:00	0.1	1.6	19.8	24	1	0.00		1024	-0.3	14.1
11/04/2025 11:00	0.1	1.6	19.8	24	0	0.00		1023	-0.4	15.8
11/04/2025 12:00	0.0	1.6	19.8	24	1	0.00		1022	-0.4	17.2
11/04/2025 13:00	0.0	1.6	19.9	25	1	0.00		1021	-0.5	19.3
11/04/2025 14:00	0.0	1.6	20.0	26	2	0.00		1021	-0.5	20.0
11/04/2025 15:00	0.0	1.6	20.1	27	2	0.00		1020	-0.6	20.2
11/04/2025 16:00	0.0	1.6	20.2	28	3	0.00		1019	-0.6	20.2
11/04/2025 17:00	0.0	1.6	20.2	28	3	0.00		1018	-0.8	19.8
11/04/2025 18:00	0.0	1.6	20.3	29	4	0.00		1018	-0.8	18.8
11/04/2025 19:00	0.0	1.6	20.3	28	4	0.00		1017	-0.8	16.3
11/04/2025 20:00	0.0	1.6	20.2	28	3	0.00		1017	-0.6	14.8
11/04/2025 21:00	0.0	1.7	20.2	27	2	0.00		1017	-0.5	13.6
11/04/2025 22:00	0.0	1.7	20.1	27	2	0.00		1017	-0.5	12.5
11/04/2025 23:00	0.0	1.6	20.0	27	2	0.00		1017	-0.4	11.3
12/04/2025 00:00	0.0	1.7	20.0	26	1	0.00		1016	-0.4	10.0

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
12/04/2025 01:00	0.0	1.7	20.0	26	1	0.00		1015	-0.4	8.8
12/04/2025 02:00	0.0	1.7	19.9	26	1	0.00		1014	-0.5	8.3
12/04/2025 03:00	0.0	1.6	19.9	26	1	0.00		1013	-0.5	7.6
12/04/2025 04:00	0.0	1.7	19.8	26	1	0.00		1012	-0.6	7.0
12/04/2025 05:00	0.0	1.7	19.8	26	1	0.00		1012	-0.6	6.7
12/04/2025 06:00	0.0	1.7	19.8	25	1	0.00		1011	-0.8	7.0
12/04/2025 07:00	0.0	1.7	19.8	25	1	0.00		1010	-0.9	8.6
12/04/2025 08:00	0.0	1.7	19.7	25	1	0.00		1010	-0.8	10.8
12/04/2025 09:00	0.0	1.7	19.7	25	1	0.00		1009	-0.8	13.2
12/04/2025 10:00	0.0	1.7	19.7	26	1	0.00		1008	-0.8	15.6
12/04/2025 11:00	0.0	1.7	19.7	26	1	0.00		1007	-0.8	17.8
12/04/2025 12:00	0.0	1.7	19.8	26	1	0.00		1006	-0.8	19.1
12/04/2025 13:00	0.0	1.7	19.8	27	2	0.00		1004	-1.0	21.1
12/04/2025 14:00	0.0	1.7	19.9	28	2	0.00		1003	-1.0	21.0
12/04/2025 15:00	0.0	1.7	20.0	29	2	0.00		1002	-1.0	20.9
12/04/2025 16:00	0.0	1.7	20.0	29	3	-0.01		1001	-1.1	20.6
12/04/2025 17:00	0.0	1.7	20.1	29	3	0.00		1001	-1.0	20.0
12/04/2025 18:00	0.0	1.7	20.1	30	4	0.00		1000	-1.0	18.6
12/04/2025 19:00	0.0	1.7	20.1	29	3	0.00		1000	-0.9	16.3
12/04/2025 20:00	0.0	1.7	20.0	28	3	0.00		1000	-0.8	14.5
12/04/2025 21:00	0.0	1.8	20.0	28	2	0.00		1000	-0.5	14.1
12/04/2025 22:00	0.0	1.7	19.9	27	2	0.00		999	-0.5	13.8
12/04/2025 23:00	0.0	1.8	19.9	27	2	0.00		999	-0.4	13.1
13/04/2025 00:00	0.0	1.8	19.9	26	1	0.00		1000	-0.1	12.1
13/04/2025 01:00	0.0	1.8	19.8	26	1	0.00		1000	-0.1	12.6
13/04/2025 02:00	0.0	1.8	19.8	26	1	0.00		1001	0.1	11.4
13/04/2025 03:00	0.0	1.8	19.8	26	2	0.00		1001	0.1	10.8
13/04/2025 04:00	0.0	1.8	19.8	26	1	0.00		1001	0.1	9.8
13/04/2025 05:00	0.0	1.8	19.7	25	1	0.00		1002	0.3	8.9
13/04/2025 06:00	0.0	1.8	19.7	25	1	0.00		1002	0.4	8.3
13/04/2025 07:00	0.0	1.8	19.7	25	1	0.00		1003	0.5	9.2
13/04/2025 08:00	0.0	1.9	19.7	25	1	0.00		1004	0.5	10.6
13/04/2025 09:00	0.0	1.9	19.7	25	1	0.00		1004	0.5	12.1
13/04/2025 10:00	0.0	1.9	19.7	25	1	0.00		1004	0.4	13.0
13/04/2025 11:00	0.0	1.9	19.7	25	1	0.00		1004	0.4	13.4
13/04/2025 12:00	0.0	1.9	19.7	25	1	0.00		1004	0.4	14.6
13/04/2025 13:00	0.0	1.9	19.7	26	1	0.00		1005	0.4	12.6
13/04/2025 14:00	0.0	1.9	19.7	26	2	0.00		1005	0.4	13.6
13/04/2025 15:00	0.0	1.9	19.8	26	1	0.00		1004	0.1	14.7
13/04/2025 16:00	0.0	1.9	19.7	26	2	0.00		1004	0.0	14.4
13/04/2025 17:00	0.0	1.9	19.7	26	1	0.01		1005	0.1	13.2
13/04/2025 18:00	0.0	1.9	19.8	26	2	0.00		1005	0.1	12.2
13/04/2025 19:00	0.0	1.9	19.7	26	1	0.01		1006	0.3	11.4
13/04/2025 20:00	0.0	1.9	19.7	26	1	0.00		1007	0.4	10.4
13/04/2025 21:00	0.0	1.9	19.7	26	1	0.00		1007	0.3	9.3
13/04/2025 22:00	0.0	1.9	19.7	26	1	0.00		1007	0.3	8.3
13/04/2025 23:00	0.0	2.0	19.7	26	1	0.00		1007	0.4	7.3
14/04/2025 00:00	0.0	2.0	19.6	26	1	0.00		1008	0.5	6.7
14/04/2025 01:00	0.0	2.0	19.6	25	1	0.00		1007	0.3	5.8
14/04/2025 02:00	0.0	2.0	19.6	25	1	0.00		1007	0.3	5.3
14/04/2025 03:00	0.0	2.0	19.6	25	1	0.00		1007	0.1	4.9
14/04/2025 04:00	0.0	2.0	19.6	25	1	0.00		1007	0.0	4.7
14/04/2025 05:00	0.0	2.0	19.5	25	1	0.00		1007	0.0	4.7
14/04/2025 06:00	0.0	2.0	19.5	25	1	0.00		1007	0.0	5.3
14/04/2025 07:00	0.0	2.0	19.5	25	1	0.00		1007	0.0	7.6
14/04/2025 08:00	0.0	2.0	19.5	25	1	0.00		1007	-0.1	10.3
14/04/2025 09:00	0.0	2.0	19.5	25	1	0.00		1006	-0.1	11.5
14/04/2025 10:00	0.0	2.1	19.5	25	1	0.00		1006	-0.1	12.1
14/04/2025 11:00	0.0	2.1	19.5	25	1	0.00		1005	-0.3	13.0
14/04/2025 12:00	0.0	2.1	19.5	26	1	0.00		1005	-0.3	12.5
14/04/2025 13:00	0.0	2.1	19.6	26	1	0.00		1005	-0.3	13.0
14/04/2025 14:00	0.0	2.1	19.6	27	1	0.00		1004	-0.4	12.9
14/04/2025 15:00	0.0	2.1	19.6	27	1	0.00		1003	-0.5	13.5
14/04/2025 16:00	0.0	2.1	19.7	27	1	0.00		1002	-0.6	13.7
14/04/2025 17:00	0.0	2.2	19.7	27	2	0.00		1002	-0.5	13.4
14/04/2025 18:00	0.0	2.1	19.7	27	2	0.00		1001	-0.6	12.6
14/04/2025 19:00	0.0	2.1	19.7	27	1	0.00		1001	-0.5	11.9
14/04/2025 20:00	0.0	2.1	19.7	27	1	0.00		1001	-0.5	11.4
14/04/2025 21:00	0.0	2.1	19.6	27	1	0.00		1001	-0.5	10.9
14/04/2025 22:00	0.0	2.1	19.6	27	1	0.00		1001	-0.4	10.5
14/04/2025 23:00	0.0	2.1	19.6	26	1	0.00		1000	-0.4	10.0
15/04/2025 00:00	0.0	2.1	19.6	26	2	0.00		999	-0.4	9.5
15/04/2025 01:00	0.0	2.1	19.6	26	1	0.00		999	-0.4	9.3
15/04/2025 02:00	0.0	2.1	19.6	26	1	0.00		998	-0.4	9.2
15/04/2025 03:00	0.0	2.1	19.5	26	1	0.00		997	-0.5	9.2
15/04/2025 04:00	0.0	2.1	19.5	26	1	0.00		996	-0.6	9.1
15/04/2025 05:00	0.0	2.1	19.5	26	0	0.00		996	-0.6	9.1
15/04/2025 06:00	0.0	2.1	19.5	26	1	0.00		996	-0.6	9.2
15/04/2025 07:00	0.0	2.1	19.5	26	0	0.00		996	-0.5	9.9
15/04/2025 08:00	0.0	2.1	19.5	26	1	0.00		996	-0.4	11.1
15/04/2025 09:00	0.0	2.2	19.5	26	1	0.00		995	-0.5	12.9

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
15/04/2025 10:00	0.0	2.2	19.5	26	1	0.00		995	-0.4	13.9
15/04/2025 11:00	0.0	2.2	19.5	26	1	0.00		995	-0.3	14.9
15/04/2025 12:00	0.0	2.2	19.5	26	1	0.00		994	-0.3	16.1
15/04/2025 13:00	0.0	2.2	19.5	27	1	0.00		995	-0.1	14.2
15/04/2025 14:00	0.0	2.2	19.5	27	1	0.00		995	-0.1	15.3
15/04/2025 15:00	0.0	2.2	19.6	27	1	0.00		995	-0.1	15.2
15/04/2025 16:00	0.0	2.2	19.6	27	1	0.00		995	-0.1	13.5
15/04/2025 17:00	0.0	2.2	19.6	28	1	0.00		995	0.0	14.5
15/04/2025 18:00	0.0	2.2	19.6	27	2	0.00		994	-0.1	14.0
15/04/2025 19:00	0.0	2.2	19.6	27	1	0.00		995	0.0	12.8
15/04/2025 20:00	0.0	2.2	19.6	27	2	0.00		995	0.1	11.5
15/04/2025 21:00	0.0	2.2	19.6	27	1	0.00		995	0.0	10.4
15/04/2025 22:00	0.0	2.2	19.6	27	1	0.00		995	0.0	10.1
15/04/2025 23:00	0.0	2.2	19.5	26	1	0.00		995	0.0	9.4
16/04/2025 00:00	0.0	2.2	19.5	26	0	0.00		995	0.0	8.8
16/04/2025 01:00	0.0	2.2	19.5	26	1	0.00		997	0.3	8.3
16/04/2025 02:00	0.0	2.2	19.5	26	1	0.00		997	0.4	8.4
16/04/2025 03:00	0.0	2.2	19.5	25	0	0.00		996	0.1	8.0
16/04/2025 04:00	0.0	2.2	19.4	25	1	0.00		997	0.3	7.8
16/04/2025 05:00	0.0	2.3	19.4	25	1	0.00		999	0.5	7.2
16/04/2025 06:00	0.0	2.3	19.4	25	0	0.00		999	0.5	7.2
16/04/2025 07:00	0.0	2.3	19.4	25	0	0.00		1000	0.6	7.9
16/04/2025 08:00	0.0	2.3	19.4	25	0	0.00		1001	0.8	9.1
16/04/2025 09:00	0.0	2.4	19.4	24	1	0.00		1002	0.6	10.4
16/04/2025 10:00	0.0	2.4	19.4	24	1	0.00		1004	0.9	11.3
16/04/2025 11:00	0.0	2.3	19.4	24	0	0.01		1004	1.0	12.4
16/04/2025 12:00	0.0	2.4	19.4	25	1	0.00		1005	1.0	13.3
16/04/2025 13:00	0.0	2.4	19.5	25	0	0.00		1005	0.8	14.2
16/04/2025 14:00	0.0	2.4	19.5	26	1	0.01		1006	0.9	14.2
16/04/2025 15:00	0.0	2.4	19.6	26	1	0.00		1006	0.8	13.6
16/04/2025 16:00	0.0	2.4	19.6	26	1	0.00		1007	0.8	13.1
16/04/2025 17:00	0.0	2.4	19.6	26	1	0.00		1007	0.6	12.3
16/04/2025 18:00	0.0	2.4	19.7	26	1	0.00		1008	0.5	11.6
16/04/2025 19:00	0.0	2.5	19.6	26	1	0.00		1009	0.6	10.3
16/04/2025 20:00	0.0	2.5	19.6	25	1	0.00		1010	0.6	9.1
16/04/2025 21:00	0.0	2.5	19.6	25	1	0.00		1010	0.6	8.1
16/04/2025 22:00	0.0	2.4	19.5	25	1	0.00		1011	0.6	7.3
16/04/2025 23:00	0.0	2.5	19.5	24	1	0.00		1011	0.6	6.6
17/04/2025 00:00	0.0	2.5	19.5	24	1	0.00		1011	0.5	5.9
17/04/2025 01:00	0.0	2.5	19.5	24	0	0.00		1011	0.5	4.4
17/04/2025 02:00	0.0	2.4	19.4	23	1	0.00		1012	0.5	3.9
17/04/2025 03:00	0.0	2.5	19.4	23	0	0.00		1012	0.4	3.5
17/04/2025 04:00	0.0	2.4	19.4	23	0	0.00		1012	0.3	3.1
17/04/2025 05:00	0.0	2.5	19.4	23	0	0.00		1012	0.3	2.7
17/04/2025 06:00	0.0	2.5	19.4	23	0	0.00		1013	0.3	3.5
17/04/2025 07:00	0.0	2.5	19.4	23	0	0.00		1013	0.3	5.4
17/04/2025 08:00	0.0	2.5	19.3	23	0	0.00		1013	0.3	8.5
17/04/2025 09:00	0.0	2.4	19.3	23	0	0.00		1013	0.3	11.0
17/04/2025 10:00	0.0	2.5	19.3	23	0	0.00		1013	0.1	12.8
17/04/2025 11:00	0.0	2.5	19.4	23	0	0.00		1013	0.1	14.1
17/04/2025 12:00	0.0	2.5	19.4	23	0	0.00		1012	0.0	14.8
17/04/2025 13:00	0.0	2.5	19.5	23	0	0.00		1013	0.1	15.2
17/04/2025 14:00	0.0	2.5	19.5	24	1	0.00		1012	-0.1	15.7
17/04/2025 15:00	0.0	2.6	19.6	24	0	0.00		1012	-0.1	16.2
17/04/2025 16:00	0.0	2.7	19.6	24	1	0.00		1012	-0.1	15.7
17/04/2025 17:00	0.0	2.6	19.6	24	1	0.00		1012	-0.1	15.2
17/04/2025 18:00	0.0	2.6	19.7	25	1	0.00		1012	-0.1	14.2
17/04/2025 19:00	0.0	2.6	19.7	24	1	0.00		1013	0.0	12.3
17/04/2025 20:00	0.0	2.6	19.7	24	1	0.00		1013	0.1	11.0
17/04/2025 21:00	0.0	2.6	19.6	24	1	0.00		1013	0.0	9.8
17/04/2025 22:00	0.0	2.6	19.6	23	1	0.00		1013	0.1	9.2
17/04/2025 23:00	0.0	2.6	19.6	23	0	0.00		1013	0.1	8.8
18/04/2025 00:00	0.0	2.7	19.5	23	0	0.00		1013	0.1	8.3
18/04/2025 01:00	0.0	2.6	19.5	23	0	0.00		1013	0.1	9.1
18/04/2025 02:00	0.0	2.6	19.5	23	0	0.00		1012	0.0	7.9
18/04/2025 03:00	0.0	2.6	19.5	23	0	0.00		1012	-0.1	7.2
18/04/2025 04:00	0.0	2.6	19.5	22	0	0.00		1012	-0.1	8.2
18/04/2025 05:00	0.0	2.5	19.4	22	0	0.00		1011	-0.3	8.5
18/04/2025 06:00	0.0	2.6	19.4	22	0	0.00		1011	-0.3	9.0
18/04/2025 07:00	0.0	2.6	19.4	22	0	0.00		1011	-0.3	9.9
18/04/2025 08:00	0.0	2.5	19.4	22	0	0.00		1011	-0.3	10.9
18/04/2025 09:00	0.0	2.6	19.4	22	0	0.00		1011	-0.3	12.5
18/04/2025 10:00	0.0	2.5	19.4	22	0	0.00		1011	-0.1	13.4
18/04/2025 11:00	0.0	2.6	19.4	22	0	0.00		1011	-0.1	13.3
18/04/2025 12:00	0.0	2.6	19.5	23	0	0.00		1010	-0.3	12.8
18/04/2025 13:00	0.0	2.6	19.5	23	0	0.00		1009	-0.3	14.6
18/04/2025 14:00	0.0	2.6	19.5	23	0	0.00		1009	-0.3	14.0
18/04/2025 15:00	0.0	2.6	19.6	23	0	0.00		1009	-0.3	13.3
18/04/2025 16:00	0.0	2.6	19.6	23	0	0.00		1009	-0.3	12.3
18/04/2025 17:00	0.0	2.6	19.6	23	1	0.00		1008	-0.4	12.3
18/04/2025 18:00	0.0	2.6	19.5	23	0	0.00		1008	-0.4	12.1

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
18/04/2025 19:00	0.0	2.6	19.5	23	0	0.00		1008	-0.4	12.0
18/04/2025 20:00	0.0	2.7	19.5	23	0	0.00		1008	-0.3	12.0
18/04/2025 21:00	0.0	2.6	19.5	22	0	0.00		1007	-0.3	12.3
18/04/2025 22:00	0.0	2.6	19.5	22	0	0.00		1007	-0.3	12.5
18/04/2025 23:00	0.0	2.6	19.5	22	0	0.00		1007	-0.3	12.2
19/04/2025 00:00	0.0	2.6	19.5	22	0	0.00		1007	-0.3	11.8
19/04/2025 01:00	0.0	2.7	19.5	22	0	0.00		1006	-0.3	12.4
19/04/2025 02:00	0.0	2.6	19.5	22	0	0.00		1006	-0.3	11.6
19/04/2025 03:00	0.0	2.6	19.4	22	1	0.00		1006	-0.3	11.7
19/04/2025 04:00	0.0	2.7	19.4	22	1	0.00		1006	-0.3	11.7
19/04/2025 05:00	0.0	2.7	19.4	22	1	0.00		1006	-0.1	11.7
19/04/2025 06:00	0.0	2.6	19.4	22	0	0.00		1006	-0.1	11.5
19/04/2025 07:00	0.0	2.7	19.4	22	0	0.00		1007	0.0	11.6
19/04/2025 08:00	0.0	2.6	19.4	22	0	0.00		1007	0.0	11.9
19/04/2025 09:00	0.0	2.6	19.4	22	0	0.00		1007	0.1	12.6
19/04/2025 10:00	0.0	2.7	19.4	22	0	0.00		1007	0.1	13.8
19/04/2025 11:00	0.0	2.7	19.4	22	0	0.00		1007	0.1	14.8
19/04/2025 12:00	0.0	2.7	19.4	22	0	0.00		1007	0.1	15.8
19/04/2025 13:00	0.0	2.7	19.5	22	0	0.01		1007	0.1	16.5
19/04/2025 14:00	0.0	2.7	19.5	22	0	0.00		1007	0.1	16.4
19/04/2025 15:00	0.0	2.7	19.5	23	0	0.00		1007	0.0	16.4
19/04/2025 16:00	0.0	2.7	19.6	23	1	0.00		1007	0.0	15.8
19/04/2025 17:00	0.0	2.7	19.6	23	1	0.00		1007	0.0	14.9
19/04/2025 18:00	0.0	2.8	19.6	23	0	0.00		1007	0.0	13.8
19/04/2025 19:00	0.0	2.8	19.6	23	1	0.00		1008	0.1	12.4
19/04/2025 20:00	0.0	2.8	19.6	23	0	0.00		1008	0.1	11.0
19/04/2025 21:00	0.0	2.8	19.5	22	0	0.00		1008	0.1	9.8
19/04/2025 22:00	0.0	2.9	19.5	22	0	0.00		1009	0.3	8.5
19/04/2025 23:00	0.0	2.8	19.4	22	0	0.00		1009	0.3	7.5
20/04/2025 00:00	0.0	2.8	19.4	22	0	0.00		1008	0.1	6.6
20/04/2025 01:00	0.0	2.8	19.4	22	0	0.00		1008	0.1	6.3
20/04/2025 02:00	0.0	2.8	19.4	22	0	0.00		1008	0.1	5.8
20/04/2025 03:00	0.0	2.8	19.3	22	0	0.00		1008	0.0	5.4
20/04/2025 04:00	0.0	2.8	19.3	22	0	0.00		1008	0.0	5.1
20/04/2025 05:00	0.0	2.9	19.3	22	0	0.00		1008	0.0	4.7
20/04/2025 06:00	0.0	2.8	19.3	21	0	0.00		1008	-0.1	5.2
20/04/2025 07:00	0.0	2.8	19.3	21	0	0.00		1007	-0.3	6.7
20/04/2025 08:00	0.0	2.8	19.3	21	0	0.00		1007	-0.1	8.4
20/04/2025 09:00	0.0	2.8	19.2	21	0	0.00		1007	-0.1	10.3
20/04/2025 10:00	0.0	2.9	19.2	21	0	0.00		1007	-0.1	12.0
20/04/2025 11:00	0.0	2.8	19.2	21	0	0.00		1007	-0.1	13.5
20/04/2025 12:00	0.0	2.9	19.3	22	0	0.00		1007	-0.1	14.9
20/04/2025 13:00	0.0	2.8	19.3	22	0	0.00		1007	-0.1	13.7
20/04/2025 14:00	0.0	2.8	19.4	22	0	0.00		1006	-0.3	16.6
20/04/2025 15:00	0.0	2.9	19.4	22	0	0.00		1006	-0.1	16.6
20/04/2025 16:00	0.0	2.9	19.4	22	0	0.00		1006	-0.1	15.8
20/04/2025 17:00	0.0	2.9	19.4	22	0	0.00		1006	-0.1	15.1
20/04/2025 18:00	0.0	3.0	19.4	22	0	0.00		1006	-0.1	14.4
20/04/2025 19:00	0.0	2.9	19.4	22	0	0.00		1007	0.0	13.6
20/04/2025 20:00	0.0	2.9	19.4	22	0	0.00		1007	0.0	12.4
20/04/2025 21:00	0.0	3.0	19.4	22	0	0.00		1007	0.0	11.3
20/04/2025 22:00	0.0	3.0	19.4	22	0	0.00		1007	0.1	10.6
20/04/2025 23:00	0.0	3.0	19.3	22	0	0.00		1007	0.1	9.9
21/04/2025 00:00	0.0	2.9	19.3	22	0	0.00		1008	0.3	9.2
21/04/2025 01:00	0.0	2.9	19.3	22	0	0.00		1007	0.1	9.7
21/04/2025 02:00	0.0	2.9	19.3	22	0	0.00		1007	0.1	9.4
21/04/2025 03:00	0.0	3.0	19.3	22	0	0.00		1008	0.1	9.5
21/04/2025 04:00	0.0	3.0	19.3	22	0	0.00		1008	0.1	9.5
21/04/2025 05:00	0.0	2.9	19.3	22	0	0.00		1008	0.1	9.4
21/04/2025 06:00	0.0	3.0	19.3	22	0	0.00		1008	0.1	9.6
21/04/2025 07:00	0.0	2.9	19.3	22	0	0.00		1008	0.1	9.9
21/04/2025 08:00	0.0	3.0	19.3	22	0	0.00		1008	0.0	10.7
21/04/2025 09:00	0.0	3.0	19.3	22	0	0.00		1009	0.3	12.4
21/04/2025 10:00	0.0	3.0	19.3	22	0	0.00		1009	0.3	14.3
21/04/2025 11:00	0.0	2.9	19.3	22	0	0.00		1009	0.1	15.1
21/04/2025 12:00	0.0	3.0	19.3	22	0	0.00		1009	0.1	15.8
21/04/2025 13:00	0.0	2.9	19.3	22	0	0.00		1010	0.3	14.9
21/04/2025 14:00	0.0	3.0	19.3	22	0	0.00		1011	0.4	13.0
21/04/2025 15:00	0.0	3.0	19.3	22	0	0.00		1011	0.4	12.4
21/04/2025 16:00	0.0	3.0	19.3	22	1	0.00		1011	0.4	13.8
21/04/2025 17:00	0.0	3.0	19.3	22	0	-0.01		1011	0.3	13.7
21/04/2025 18:00	0.0	3.0	19.4	22	0	0.00		1012	0.4	12.9
21/04/2025 19:00	0.0	3.1	19.4	22	0	0.00		1012	0.4	11.9
21/04/2025 20:00	0.0	3.0	19.4	22	0	0.00		1013	0.5	10.6
21/04/2025 21:00	0.0	3.0	19.4	22	0	0.00		1014	0.5	9.6
21/04/2025 22:00	0.0	3.0	19.3	22	0	0.00		1014	0.4	8.9
21/04/2025 23:00	0.0	3.0	19.3	22	0	0.00		1015	0.5	8.3
22/04/2025 00:00	0.0	3.1	19.3	22	0	0.00		1015	0.5	7.8
22/04/2025 01:00	0.0	3.0	19.3	22	0	0.00		1015	0.5	7.2
22/04/2025 02:00	0.0	3.0	19.3	22	0	0.00		1015	0.4	6.7
22/04/2025 03:00	0.0	3.0	19.2	22	0	0.00		1016	0.5	6.6

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
22/04/2025 04:00	0.0	2.9	19.2	22	0	0.00		1016	0.4	6.3
22/04/2025 05:00	0.0	3.0	19.2	22	0	0.00		1016	0.3	5.7
22/04/2025 06:00	0.0	3.0	19.2	22	0	0.00		1016	0.3	6.3
22/04/2025 07:00	0.0	3.1	19.2	22	0	0.00		1017	0.3	8.2
22/04/2025 08:00	0.0	3.0	19.2	22	1	0.00		1018	0.4	10.2
22/04/2025 09:00	0.0	3.1	19.2	22	0	0.00		1018	0.4	12.0
22/04/2025 10:00	0.0	3.0	19.2	22	0	0.00		1018	0.4	13.3
22/04/2025 11:00	0.0	3.1	19.2	22	0	0.00		1017	0.1	14.6
22/04/2025 12:00	0.0	3.1	19.2	22	0	0.00		1017	0.1	15.5
22/04/2025 13:00	0.0	3.1	19.3	22	0	0.00		1017	0.1	15.7
22/04/2025 14:00	0.0	3.0	19.4	23	0	0.00		1017	0.1	15.4
22/04/2025 15:00	0.0	3.2	19.4	23	0	0.00		1017	0.0	15.3
22/04/2025 16:00	0.0	3.1	19.4	23	1	0.00		1016	-0.3	14.9
22/04/2025 17:00	0.0	3.1	19.4	23	0	-0.01		1016	-0.3	14.3
22/04/2025 18:00	0.0	3.1	19.5	23	0	0.00		1016	-0.3	13.4
22/04/2025 19:00	0.0	3.1	19.5	23	0	0.00		1016	-0.1	11.9
22/04/2025 20:00	0.0	3.1	19.4	23	0	0.00		1016	-0.1	10.6
22/04/2025 21:00	0.0	3.1	19.4	23	0	0.00		1015	-0.3	10.0
22/04/2025 22:00	0.0	3.1	19.4	22	0	0.00		1015	-0.3	9.9
22/04/2025 23:00	0.0	3.2	19.4	22	0	0.00		1014	-0.4	9.9
23/04/2025 00:00	0.0	3.1	19.4	22	0	0.00		1013	-0.4	9.6
23/04/2025 01:00	0.0	3.0	19.3	22	0	0.00		1011	-0.6	9.5
23/04/2025 02:00	0.0	3.1	19.3	22	0	0.00		1011	-0.6	9.4
23/04/2025 03:00	0.0	3.1	19.3	22	0	0.00		1009	-0.9	9.0
23/04/2025 04:00	0.0	3.0	19.3	22	0	0.00		1008	-1.0	8.5
23/04/2025 05:00	0.0	3.1	19.3	22	0	0.00		1007	-1.0	8.5
23/04/2025 06:00	0.0	3.1	19.3	22	0	0.00		1007	-1.0	8.9
23/04/2025 07:00	0.0	3.1	19.3	22	0	0.00		1007	-0.9	9.2
23/04/2025 08:00	0.0	3.1	19.3	22	0	0.00		1008	-0.6	9.9
23/04/2025 09:00	0.0	3.0	19.2	22	0	0.00		1009	-0.3	10.5
23/04/2025 10:00	0.0	3.0	19.2	22	1	0.00		1010	-0.1	10.4
23/04/2025 11:00	0.0	3.1	19.2	22	0	0.00		1011	0.3	11.1
23/04/2025 12:00	0.0	3.1	19.2	22	0	0.00		1012	0.5	11.9
23/04/2025 13:00	0.0	3.1	19.2	22	0	0.00		1013	0.8	12.5
23/04/2025 14:00	0.0	3.1	19.3	22	0	0.00		1013	0.8	12.8
23/04/2025 15:00	0.0	3.1	19.3	22	0	0.00		1014	0.9	13.2
23/04/2025 16:00	0.0	3.2	19.3	22	0	0.00		1014	0.8	12.8
23/04/2025 17:00	0.0	3.2	19.3	22	0	0.00		1015	0.8	12.1
23/04/2025 18:00	0.0	3.2	19.3	22	0	0.00		1016	0.8	11.7
23/04/2025 19:00	0.0	3.2	19.3	22	0	0.00		1017	0.8	9.9
23/04/2025 20:00	0.0	3.2	19.3	22	0	0.00		1018	0.8	8.3
23/04/2025 21:00	0.0	3.2	19.3	22	0	0.00		1018	0.6	7.8
23/04/2025 22:00	0.0	3.2	19.3	22	0	0.00		1019	0.8	7.1
23/04/2025 23:00	0.0	3.2	19.3	22	0	0.00		1019	0.6	6.7
24/04/2025 00:00	0.0	3.2	19.3	22	0	0.00		1020	0.8	6.7
24/04/2025 01:00	0.0	3.2	19.2	22	0	0.00		1020	0.6	8.9
24/04/2025 02:00	0.0	3.2	19.2	21	0	0.00		1020	0.5	8.4
24/04/2025 03:00	0.0	3.2	19.2	21	0	0.00		1020	0.4	7.6
24/04/2025 04:00	0.0	3.2	19.2	21	0	0.00		1021	0.4	6.9
24/04/2025 05:00	0.0	3.2	19.2	21	1	0.00		1021	0.4	6.8
24/04/2025 06:00	0.0	3.3	19.2	21	0	0.00		1022	0.4	7.2
24/04/2025 07:00	0.0	3.3	19.2	21	0	0.00		1022	0.4	8.1
24/04/2025 08:00	0.0	3.2	19.2	21	0	0.00		1022	0.3	9.4
24/04/2025 09:00	0.0	3.3	19.2	21	0	0.00		1023	0.4	10.8
24/04/2025 10:00	0.0	3.3	19.2	21	0	0.00		1023	0.4	12.2
24/04/2025 11:00	0.0	3.2	19.2	21	0	0.00		1023	0.4	13.2
24/04/2025 12:00	0.0	3.3	19.2	21	0	0.00		1023	0.3	14.5
24/04/2025 13:00	0.0	3.4	19.3	22	0	0.00		1023	0.3	14.6
24/04/2025 14:00	0.0	3.3	19.3	22	0	0.00		1023	0.1	15.0
24/04/2025 15:00	0.0	3.3	19.4	22	0	0.00		1022	0.0	14.8
24/04/2025 16:00	0.0	3.4	19.4	22	0	0.00		1022	0.0	14.9
24/04/2025 17:00	0.0	3.3	19.4	22	0	0.00		1022	-0.1	14.5
24/04/2025 18:00	0.0	3.3	19.4	22	0	0.00		1022	-0.1	13.7
24/04/2025 19:00	0.0	3.4	19.4	22	0	0.00		1022	-0.1	12.0
24/04/2025 20:00	0.0	3.4	19.4	22	0	0.00		1023	0.0	10.6
24/04/2025 21:00	0.0	3.3	19.4	22	0	0.00		1023	0.0	9.6
24/04/2025 22:00	0.0	3.4	19.3	22	0	0.00		1023	0.0	8.7
24/04/2025 23:00	0.0	3.4	19.3	22	0	0.00		1024	0.3	8.1
25/04/2025 00:00	0.0	3.4	19.3	21	0	0.00		1024	0.3	7.6
25/04/2025 01:00	0.0	3.2	19.3	21	0	0.00		1023	0.1	7.3
25/04/2025 02:00	0.0	3.3	19.2	21	0	0.00		1023	0.1	6.3
25/04/2025 03:00	0.0	3.3	19.2	21	0	0.00		1023	0.1	5.6
25/04/2025 04:00	0.0	3.3	19.2	21	0	0.00		1023	0.0	5.5
25/04/2025 05:00	0.0	3.3	19.2	21	0	0.00		1023	0.0	5.5
25/04/2025 06:00	0.0	3.2	19.2	21	0	0.00		1023	0.0	6.3
25/04/2025 07:00	0.0	3.3	19.2	21	0	0.00		1024	0.0	7.9
25/04/2025 08:00	0.0	3.2	19.2	21	0	0.00		1024	0.0	10.0
25/04/2025 09:00	0.0	3.2	19.2	21	0	0.00		1023	0.0	11.8
25/04/2025 10:00	0.0	3.3	19.2	21	0	0.00		1023	0.0	12.5
25/04/2025 11:00	0.0	3.4	19.2	21	0	0.00		1023	0.0	13.3
25/04/2025 12:00	0.0	3.4	19.2	21	0	0.00		1022	-0.1	14.2

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
25/04/2025 13:00	0.0	3.3	19.3	22	0	0.00		1022	-0.1	14.2
25/04/2025 14:00	0.0	3.3	19.3	22	0	0.00		1022	-0.1	15.3
25/04/2025 15:00	0.0	3.3	19.3	22	0	0.00		1021	-0.4	15.9
25/04/2025 16:00	0.0	3.4	19.4	22	0	0.00		1021	-0.4	15.9
25/04/2025 17:00	0.0	3.5	19.4	22	0	0.00		1021	-0.3	15.8
25/04/2025 18:00	0.0	3.5	19.4	22	1	0.00		1021	-0.3	14.6
25/04/2025 19:00	0.0	3.4	19.4	22	0	0.00		1021	-0.3	12.9
25/04/2025 20:00	0.0	3.4	19.4	22	0	0.00		1021	-0.1	11.3
25/04/2025 21:00	0.0	3.5	19.4	22	0	0.00		1022	0.0	10.4
25/04/2025 22:00	0.0	3.5	19.3	22	0	0.00		1022	0.0	9.6
25/04/2025 23:00	0.0	3.5	19.3	22	0	0.00		1022	0.1	8.4
26/04/2025 00:00	0.0	3.4	19.3	22	0	0.00		1022	0.1	7.7
26/04/2025 01:00	0.0	3.4	19.3	22	0	0.00		1022	0.1	8.4
26/04/2025 02:00	0.0	3.4	19.3	21	0	0.00		1022	0.1	8.7
26/04/2025 03:00	0.0	3.4	19.2	21	0	0.00		1021	0.0	8.6
26/04/2025 04:00	0.0	3.3	19.2	21	0	0.00		1021	0.0	8.5
26/04/2025 05:00	0.0	3.3	19.2	21	0	0.00		1022	0.0	8.5
26/04/2025 06:00	0.0	3.4	19.2	21	0	0.00		1022	0.0	8.8
26/04/2025 07:00	0.0	3.4	19.2	21	0	0.00		1022	0.0	9.4
26/04/2025 08:00	0.0	3.4	19.2	21	0	0.00		1022	0.0	10.5
26/04/2025 09:00	0.0	3.4	19.2	21	0	0.00		1023	0.1	12.2
26/04/2025 10:00	0.0	3.3	19.2	21	0	0.00		1022	0.0	14.1
26/04/2025 11:00	0.0	3.4	19.2	21	0	0.00		1022	0.1	15.2
26/04/2025 12:00	0.0	3.4	19.3	21	0	0.00		1022	0.1	15.9
26/04/2025 13:00	0.0	3.4	19.3	22	0	0.00		1023	0.1	16.3
26/04/2025 14:00	0.0	3.5	19.4	22	0	0.00		1023	0.1	16.8
26/04/2025 15:00	0.0	3.5	19.4	22	0	0.00		1023	0.1	17.1
26/04/2025 16:00	0.0	3.4	19.4	22	0	0.00		1022	0.0	17.4
26/04/2025 17:00	0.0	3.5	19.4	22	0	0.00		1023	0.0	17.2
26/04/2025 18:00	0.0	3.5	19.4	22	0	0.00		1023	0.1	16.6
26/04/2025 19:00	0.0	3.4	19.4	22	0	0.00		1024	0.3	14.1
26/04/2025 20:00	0.0	3.5	19.4	22	0	0.00		1024	0.3	13.2
26/04/2025 21:00	0.0	3.5	19.4	22	0	0.00		1025	0.3	13.1
26/04/2025 22:00	0.0	3.5	19.3	22	0	0.00		1025	0.3	12.5
26/04/2025 23:00	0.0	3.4	19.3	22	0	0.00		1025	0.3	11.1
27/04/2025 00:00	0.0	3.4	19.3	22	0	0.00		1025	0.4	9.7
27/04/2025 01:00	0.0	3.4	19.3	21	0	0.00		1025	0.3	8.7
27/04/2025 02:00	0.0	3.4	19.3	21	0	0.00		1025	0.3	8.2
27/04/2025 03:00	0.0	3.4	19.3	21	0	0.00		1025	0.1	7.9
27/04/2025 04:00	0.0	3.4	19.2	21	0	0.00		1025	0.1	7.6
27/04/2025 05:00	0.0	3.4	19.2	21	0	0.00		1025	0.0	7.2
27/04/2025 06:00	0.0	3.4	19.2	21	0	0.00		1026	0.1	8.4
27/04/2025 07:00	0.0	3.4	19.2	21	0	0.00		1026	0.1	10.4
27/04/2025 08:00	0.0	3.4	19.2	21	0	0.00		1026	0.1	12.8
27/04/2025 09:00	0.0	3.5	19.2	21	0	0.00		1026	0.1	15.0
27/04/2025 10:00	0.0	3.5	19.2	21	0	0.00		1026	0.1	16.7
27/04/2025 11:00	0.0	3.4	19.2	21	0	0.00		1026	0.1	18.0
27/04/2025 12:00	0.0	3.4	19.2	21	0	0.00		1026	0.1	18.1
27/04/2025 13:00	0.0	3.5	19.3	22	0	0.00		1026	0.1	19.5
27/04/2025 14:00	0.0	3.6	19.4	22	0	0.00		1026	0.0	19.6
27/04/2025 15:00	0.0	3.5	19.4	22	0	0.00		1026	0.0	19.7
27/04/2025 16:00	0.0	3.5	19.4	22	0	0.00		1026	0.0	19.5
27/04/2025 17:00	0.0	3.6	19.4	22	0	0.00		1026	0.0	19.1
27/04/2025 18:00	0.0	3.5	19.4	22	0	0.00		1026	0.0	18.5
27/04/2025 19:00	0.0	3.5	19.4	22	0	0.00		1026	0.0	16.4
27/04/2025 20:00	0.0	3.5	19.4	22	0	0.00		1027	0.1	14.8
27/04/2025 21:00	0.0	3.5	19.4	22	0	0.00		1027	0.1	13.7
27/04/2025 22:00	0.0	3.6	19.4	22	0	0.00		1027	0.1	12.6
27/04/2025 23:00	0.0	3.6	19.4	22	0	0.00		1027	0.1	11.7
28/04/2025 00:00	0.0	3.5	19.3	21	0	0.00		1027	0.1	10.5
28/04/2025 01:00	0.0	3.5	19.3	21	0	0.00		1027	0.1	9.4
28/04/2025 02:00	0.0	3.5	19.3	21	0	0.00		1027	0.1	8.5
28/04/2025 03:00	0.0	3.4	19.3	21	0	0.00		1027	0.1	7.8
28/04/2025 04:00	0.0	3.4	19.3	21	0	0.00		1027	0.0	7.2
28/04/2025 05:00	0.0	3.4	19.2	21	0	0.00		1027	0.0	6.7
28/04/2025 06:00	0.0	3.5	19.2	21	0	0.00		1027	0.0	8.2
28/04/2025 07:00	0.0	3.3	19.2	21	0	-0.01		1027	0.0	10.9
28/04/2025 08:00	0.0	3.5	19.2	21	0	0.00		1027	0.0	14.0
28/04/2025 09:00	0.0	3.4	19.2	21	0	0.00		1028	0.1	16.7
28/04/2025 10:00	0.0	3.5	19.2	21	0	0.00		1027	0.0	18.3
28/04/2025 11:00	0.0	3.4	19.2	21	0	0.00		1027	0.0	19.5
28/04/2025 12:00	0.0	3.5	19.3	21	0	0.00		1027	0.0	20.3
28/04/2025 13:00	0.0	3.5	19.3	22	0	0.00		1027	0.0	21.4
28/04/2025 14:00	0.0	3.6	19.4	22	0	0.00		1026	-0.1	21.8
28/04/2025 15:00	0.0	3.6	19.5	22	0	0.00		1026	-0.1	22.0
28/04/2025 16:00	0.0	3.6	19.5	22	0	0.00		1025	-0.3	21.9
28/04/2025 17:00	0.0	3.6	19.5	22	0	0.00		1025	-0.4	21.8
28/04/2025 18:00	0.0	3.7	19.6	23	0	0.00		1025	-0.3	21.3
28/04/2025 19:00	0.0	3.6	19.6	22	1	0.00		1026	-0.1	19.6
28/04/2025 20:00	0.0	3.6	19.6	22	0	0.00		1026	-0.1	17.2
28/04/2025 21:00	0.0	3.6	19.5	22	0	0.00		1027	0.0	15.5

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
28/04/2025 22:00	0.0	3.6	19.5	22	0	0.00		1027	0.1	14.4
28/04/2025 23:00	0.0	3.6	19.5	22	0	0.00		1027	0.1	13.2
29/04/2025 00:00	0.0	3.6	19.4	22	0	0.00		1027	0.3	12.5
29/04/2025 01:00	0.0	3.5	19.4	22	0	0.00		1027	0.3	11.2
29/04/2025 02:00	0.0	3.5	19.4	22	0	0.00		1026	0.1	10.0
29/04/2025 03:00	0.0	3.5	19.4	22	0	0.00		1026	0.0	9.3
29/04/2025 04:00	0.0	3.4	19.3	22	0	0.00		1027	0.1	9.1
29/04/2025 05:00	0.0	3.4	19.3	22	0	0.00		1027	0.0	8.9
29/04/2025 06:00	0.0	3.4	19.3	22	0	0.00		1027	0.0	10.1
29/04/2025 07:00	0.0	3.5	19.3	21	0	0.00		1027	0.0	12.2
29/04/2025 08:00	0.0	3.4	19.3	21	0	0.00		1027	0.0	14.5
29/04/2025 09:00	0.0	3.5	19.3	22	0	0.00		1027	0.0	17.1
29/04/2025 10:00	0.0	3.4	19.3	22	0	0.00		1026	0.0	19.4
29/04/2025 11:00	0.0	3.4	19.3	22	0	0.00		1026	0.0	21.0
29/04/2025 12:00	0.0	3.4	19.3	22	0	0.00		1026	-0.1	22.1
29/04/2025 13:00	0.0	3.5	19.4	22	0	0.00		1025	-0.3	23.6
29/04/2025 14:00	0.0	3.4	19.5	23	0	0.00		1025	-0.3	24.0
29/04/2025 15:00	0.0	3.6	19.5	23	0	0.00		1024	-0.4	23.9
29/04/2025 16:00	0.0	3.6	19.6	23	0	0.00		1023	-0.5	23.7
29/04/2025 17:00	0.0	3.5	19.6	23	1	0.00		1023	-0.5	23.2
29/04/2025 18:00	0.0	3.6	19.6	23	1	0.00		1023	-0.4	22.2
29/04/2025 19:00	0.0	3.6	19.6	23	1	0.00		1024	-0.3	20.5
29/04/2025 20:00	0.0	3.6	19.6	23	1	0.00		1024	-0.3	18.5
29/04/2025 21:00	0.0	3.6	19.6	23	0	0.00		1025	0.0	16.8
29/04/2025 22:00	0.0	3.5	19.5	22	0	0.00		1025	0.0	15.5
29/04/2025 23:00	0.0	3.4	19.5	22	0	0.00		1025	0.1	14.3
30/04/2025 00:00	0.0	3.5	19.5	22	0	0.00		1025	0.3	13.1
30/04/2025 01:00	0.0	3.4	19.4	22	0	0.00		1024	0.1	11.4
30/04/2025 02:00	0.0	3.5	19.4	22	0	0.00		1024	0.1	10.4
30/04/2025 03:00	0.0	3.4	19.4	22	0	0.00		1024	0.0	9.6
30/04/2025 04:00	0.0	3.5	19.4	22	0	0.00		1024	0.0	8.9
30/04/2025 05:00	0.0	3.4	19.3	22	0	0.00		1024	-0.1	8.4
30/04/2025 06:00	0.0	3.4	19.3	22	0	0.00		1024	-0.1	9.8
30/04/2025 07:00	0.0	3.4	19.3	22	0	0.00		1024	-0.1	11.9
30/04/2025 08:00	0.0	3.3	19.3	22	0	0.00		1024	-0.1	14.6
30/04/2025 09:00	0.0	3.3	19.3	22	0	0.00		1023	-0.1	17.6
30/04/2025 10:00	0.0	3.4	19.3	22	0	0.00		1023	-0.1	20.6
30/04/2025 11:00	0.0	3.4	19.3	22	0	0.00		1023	-0.1	22.7
30/04/2025 12:00	0.0	3.4	19.3	22	0	NM		1023	-0.1	23.8
30/04/2025 13:00	0.0	3.4	19.4	22	0	NM		1022	-0.3	25.4
30/04/2025 14:00	0.0	3.4	19.5	23	0	NM		1021	-0.4	25.9
30/04/2025 15:00	0.0	3.4	19.6	23	0	NM		1020	-0.5	26.2
30/04/2025 16:00	0.0	3.6	19.6	23	0	NM		1020	-0.5	26.1
30/04/2025 17:00	0.0	3.5	19.6	24	1	NM		1020	-0.4	25.8
30/04/2025 18:00	0.0	3.6	19.7	24	1	NM		1020	-0.4	25.0
30/04/2025 19:00	0.0	3.5	19.7	24	1	NM		1020	-0.4	23.0
30/04/2025 20:00	0.0	3.5	19.6	23	0	NM		1020	-0.4	20.2
30/04/2025 21:00	0.0	3.6	19.6	23	1	NM		1020	-0.3	18.6
30/04/2025 22:00	0.0	3.5	19.6	23	1	NM		1021	0.0	18.0
30/04/2025 23:00	0.0	3.5	19.5	23	0	NM		1021	0.1	16.5
01/05/2025 00:00	0.0	3.5	19.5	23	0	NM		1020	0.0	15.4
01/05/2025 01:00	0.0	3.5	19.5	22	0	NM		1020	0.0	13.8
01/05/2025 02:00	0.0	3.4	19.4	22	0	NM		1020	0.0	12.7
01/05/2025 03:00	0.0	3.4	19.4	22	0	NM		1019	-0.1	11.9
01/05/2025 04:00	0.0	3.4	19.4	22	0	NM		1019	-0.1	11.2
01/05/2025 05:00	0.0	3.4	19.4	22	0	NM		1019	-0.1	11.0
01/05/2025 06:00	0.0	3.4	19.4	22	0	NM		1019	-0.3	12.2
01/05/2025 07:00	0.0	3.4	19.3	22	0	NM		1018	-0.4	14.6
01/05/2025 08:00	0.0	3.4	19.3	22	0	NM		1018	-0.3	17.6
01/05/2025 09:00	0.0	3.3	19.3	22	0	NM		1018	-0.3	20.6
01/05/2025 10:00	0.0	3.3	19.3	22	0	NM		1018	-0.3	23.1
01/05/2025 11:00	0.0	3.3	19.3	22	0	NM		1017	-0.3	25.5
01/05/2025 12:00	0.0	3.3	19.4	22	0	NM		1016	-0.4	27.0
01/05/2025 13:00	0.0	3.4	19.5	23	0	NM		1016	-0.4	27.7
01/05/2025 14:00	0.0	3.4	19.5	23	0	NM		1015	-0.5	27.9
01/05/2025 15:00	0.0	3.5	19.6	23	0	NM		1015	-0.4	27.4
01/05/2025 16:00	0.0	3.5	19.6	23	1	NM		1015	-0.4	26.7
01/05/2025 17:00	0.0	3.6	19.6	24	0	NM		1014	-0.5	26.3
01/05/2025 18:00	0.0	3.6	19.7	24	1	NM		1014	-0.5	25.1
01/05/2025 19:00	0.0	3.5	19.7	24	1	NM		1014	-0.4	23.4
01/05/2025 20:00	0.0	3.5	19.6	24	1	NM		1015	-0.1	21.5
01/05/2025 21:00	0.0	3.5	19.6	23	0	NM		1015	-0.1	19.3
01/05/2025 22:00	0.0	3.5	19.6	23	0	NM		1015	0.0	17.7
01/05/2025 23:00	0.0	3.5	19.6	23	0	NM		1015	0.0	16.8
02/05/2025 00:00	0.0	3.5	19.5	23	0	NM		1015	0.0	16.0
02/05/2025 01:00	0.0	3.4	19.5	23	0	NM		1015	0.1	15.0
02/05/2025 02:00	0.0	3.4	19.5	23	0	NM		1015	0.1	14.8
02/05/2025 03:00	0.0	3.3	19.4	23	0	NM		1015	0.1	14.4
02/05/2025 04:00	0.0	3.3	19.4	23	0	NM		1015	0.0	13.8
02/05/2025 05:00	0.0	3.4	19.4	22	0	NM		1015	0.0	12.8
02/05/2025 06:00	0.0	3.4	19.4	22	0	NM		1016	0.1	13.2

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
02/05/2025 07:00	0.0	3.3	19.4	22	0	NM		1016	0.1	14.7
02/05/2025 08:00	0.0	3.3	19.4	22	0	NM		1016	0.1	16.9
02/05/2025 09:00	0.0	3.3	19.4	22	0	NM		1016	0.1	19.1
02/05/2025 10:00	0.0	3.3	19.4	22	0	NM		1016	0.1	20.9
02/05/2025 11:00	0.0	3.4	19.4	22	0	NM		1016	0.1	22.1
02/05/2025 12:00	0.0	3.2	19.4	23	0	NM		1016	0.1	23.3
02/05/2025 13:00	0.0	3.4	19.5	23	0	NM		1015	0.0	23.9
02/05/2025 14:00	0.0	3.4	19.6	23	0	NM		1015	-0.1	24.1
02/05/2025 15:00	0.0	3.4	19.6	24	0	NM		1015	-0.1	24.0
02/05/2025 16:00	0.0	3.4	19.7	24	1	NM		1015	-0.1	23.7
02/05/2025 17:00	0.0	3.6	19.7	24	1	NM		1015	-0.1	23.5
02/05/2025 18:00	0.0	3.5	19.7	24	1	NM		1014	-0.3	22.5
02/05/2025 19:00	0.0	3.5	19.7	23	1	NM		1015	-0.1	21.3
02/05/2025 20:00	0.0	3.5	19.6	23	1	NM		1015	-0.1	19.2
02/05/2025 21:00	0.0	3.4	19.6	23	0	NM		1015	0.0	18.1
02/05/2025 22:00	0.0	3.5	19.6	23	0	NM		1015	0.0	16.8
02/05/2025 23:00	0.0	3.5	19.6	23	0	NM		1016	0.1	15.4
03/05/2025 00:00	0.0	3.5	19.5	23	0	NM		1016	0.1	14.3
03/05/2025 01:00	0.0	3.4	19.5	23	0	NM		1016	0.1	13.2
03/05/2025 02:00	0.0	3.3	19.5	23	0	NM		1015	0.1	12.7
03/05/2025 03:00	0.0	3.4	19.4	23	0	NM		1015	0.0	12.1
03/05/2025 04:00	0.0	3.3	19.4	23	0	NM		1014	-0.1	11.5
03/05/2025 05:00	0.0	3.4	19.4	23	1	NM		1014	-0.1	11.0
03/05/2025 06:00	0.0	3.4	19.4	22	0	NM		1014	-0.1	11.8
03/05/2025 07:00	0.0	3.3	19.4	22	0	NM		1014	-0.3	13.4
03/05/2025 08:00	0.0	3.4	19.4	22	0	NM		1014	-0.3	15.1
03/05/2025 09:00	0.0	3.2	19.4	22	0	NM		1014	-0.3	15.9
03/05/2025 10:00	0.0	3.3	19.4	22	0	NM		1013	-0.3	17.1
03/05/2025 11:00	0.0	3.3	19.4	22	0	NM		1013	-0.3	17.9
03/05/2025 12:00	0.0	3.3	19.4	23	0	NM		1013	-0.1	18.7
03/05/2025 13:00	0.0	3.3	19.5	23	0	NM		1013	-0.1	18.8
03/05/2025 14:00	0.0	3.3	19.5	23	0	NM		1013	-0.1	20.4
03/05/2025 15:00	0.0	3.4	19.6	23	0	NM		1013	-0.1	18.1
03/05/2025 16:00	0.0	3.3	19.6	23	0	NM		1014	0.0	17.3
03/05/2025 17:00	0.0	3.3	19.6	24	0	NM		1014	0.0	16.7
03/05/2025 18:00	0.0	3.4	19.6	23	0	NM		1014	0.1	15.3
03/05/2025 19:00	0.0	3.3	19.6	23	0	NM		1015	0.3	14.2
03/05/2025 20:00	0.0	3.3	19.6	23	0	NM		1016	0.4	13.0
03/05/2025 21:00	0.0	3.3	19.5	23	0	NM		1017	0.5	11.7
03/05/2025 22:00	0.0	3.4	19.5	23	1	NM		1017	0.5	10.9
03/05/2025 23:00	0.0	3.3	19.5	23	0	NM		1018	0.6	10.0
04/05/2025 00:00	0.0	3.3	19.4	22	0	NM		1018	0.5	9.2
04/05/2025 01:00	0.0	3.4	19.4	22	0	NM		1018	0.5	7.7
04/05/2025 02:00	0.0	3.4	19.4	22	0	NM		1018	0.5	7.1
04/05/2025 03:00	0.0	3.3	19.4	22	0	NM		1019	0.5	6.6
04/05/2025 04:00	0.0	3.3	19.4	22	0	NM		1019	0.4	6.8
04/05/2025 05:00	0.0	3.3	19.3	22	0	NM		1019	0.3	7.2
04/05/2025 06:00	0.0	3.2	19.3	22	0	NM		1018	0.1	7.9
04/05/2025 07:00	0.0	3.3	19.3	22	0	NM		1019	0.1	8.9
04/05/2025 08:00	0.0	3.2	19.3	22	0	NM		1019	0.1	10.0
04/05/2025 09:00	0.0	3.3	19.3	22	0	NM		1019	0.1	10.0
04/05/2025 10:00	0.1	3.3	19.3	22	0	NM		1019	0.1	12.3
04/05/2025 11:00	0.0	3.3	19.3	22	0	NM		1019	0.0	12.8
04/05/2025 12:00	0.0	3.3	19.3	22	0	NM		1019	0.0	13.7
04/05/2025 13:00	0.0	3.4	19.4	22	0	NM		1019	0.0	14.3
04/05/2025 14:00	0.0	3.2	19.4	23	0	NM		1019	0.1	13.9
04/05/2025 15:00	0.0	3.4	19.5	23	0	NM		1019	0.0	13.7
04/05/2025 16:00	0.0	3.3	19.5	23	0	NM		1019	0.0	12.6
04/05/2025 17:00	0.0	3.3	19.5	23	0	NM		1019	0.0	12.7
04/05/2025 18:00	0.0	3.3	19.5	23	0	NM		1019	0.0	11.5
04/05/2025 19:00	0.0	3.4	19.5	23	1	NM		1020	0.1	11.0
04/05/2025 20:00	0.0	3.4	19.5	23	0	NM		1020	0.1	10.1
04/05/2025 21:00	0.0	3.4	19.4	22	0	NM		1021	0.3	8.7
04/05/2025 22:00	0.0	3.3	19.4	22	0	NM		1021	0.3	8.1
04/05/2025 23:00	0.0	3.4	19.4	22	0	NM		1021	0.3	7.5
05/05/2025 00:00	0.0	3.4	19.4	22	0	NM		1021	0.3	7.0
05/05/2025 01:00	0.0	3.3	19.4	22	0	NM		1022	0.4	5.5
05/05/2025 02:00	0.0	3.3	19.3	22	0	NM		1021	0.3	5.0
05/05/2025 03:00	0.0	3.3	19.3	22	0	NM		1021	0.1	4.6
05/05/2025 04:00	0.0	3.2	19.3	22	0	NM		1021	0.1	4.3
05/05/2025 05:00	0.0	3.2	19.3	22	0	NM		1022	0.1	4.4
05/05/2025 06:00	0.0	3.3	19.3	22	0	NM		1021	0.0	5.7
05/05/2025 07:00	0.0	3.2	19.3	22	0	NM		1022	0.1	7.0
05/05/2025 08:00	0.0	3.2	19.2	22	0	NM		1021	0.0	7.7
05/05/2025 09:00	0.0	3.2	19.2	22	0	NM		1021	-0.1	9.2
05/05/2025 10:00	0.0	3.3	19.3	22	0	NM		1021	0.0	11.5
05/05/2025 11:00	0.0	3.4	19.3	22	0	NM		1021	0.0	12.4
05/05/2025 12:00	0.0	3.3	19.3	22	0	NM		1021	0.0	13.5
05/05/2025 13:00	0.0	3.3	19.3	22	0	NM		1022	0.0	13.2
05/05/2025 14:00	0.0	3.4	19.3	22	0	NM		1022	0.1	13.1
05/05/2025 15:00	0.0	3.3	19.3	22	0	NM		1022	0.0	13.4

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
05/05/2025 16:00	0.0	3.3	19.4	22	0	NM		1022	0.1	13.4
05/05/2025 17:00	0.0	3.3	19.4	22	0	NM		1022	0.1	13.5
05/05/2025 18:00	0.0	3.3	19.4	22	0	NM		1022	0.1	12.7
05/05/2025 19:00	0.0	3.3	19.4	22	0	NM		1023	0.3	11.9
05/05/2025 20:00	0.0	3.3	19.4	22	0	NM		1024	0.4	11.1
05/05/2025 21:00	0.0	3.3	19.4	22	0	NM		1025	0.4	10.3
05/05/2025 22:00	0.0	3.4	19.3	22	0	NM		1025	0.4	9.4
05/05/2025 23:00	0.0	3.5	19.3	22	0	NM		1025	0.4	9.3
06/05/2025 00:00	0.0	3.5	19.3	22	0	NM		1025	0.4	8.6
06/05/2025 01:00	0.0	3.4	19.3	22	0	NM		1025	0.4	6.7
06/05/2025 02:00	0.1	3.3	19.3	22	0	NM		1025	0.4	5.9
06/05/2025 03:00	0.0	3.4	19.3	22	0	NM		1025	0.3	5.3
06/05/2025 04:00	0.1	3.3	19.2	22	0	NM		1025	0.1	5.5
06/05/2025 05:00	0.0	3.4	19.2	22	0	NM		1025	0.0	5.6
06/05/2025 06:00	0.1	3.2	19.2	22	0	NM		1025	0.0	6.7
06/05/2025 07:00	0.1	3.3	19.2	21	0	NM		1026	0.1	8.1
06/05/2025 08:00	0.1	3.3	19.2	21	0	NM		1026	0.1	9.7
06/05/2025 09:00	0.1	3.3	19.2	21	0	NM		1026	0.1	10.2
06/05/2025 10:00	0.0	3.3	19.2	22	0	NM		1026	0.1	10.4
06/05/2025 11:00	0.0	3.3	19.3	22	0	NM		1026	0.1	11.2
06/05/2025 12:00	0.0	3.4	19.3	22	0	NM		1025	0.0	12.5
06/05/2025 13:00	0.0	3.4	19.3	22	0	NM		1025	0.0	14.0
06/05/2025 14:00	0.0	3.4	19.3	22	0	NM		1024	-0.1	14.8
06/05/2025 15:00	0.0	3.4	19.4	22	0	NM		1024	-0.3	15.3
06/05/2025 16:00	0.0	3.4	19.4	22	1	NM		1024	-0.3	15.0
06/05/2025 17:00	0.0	3.5	19.5	23	0	NM		1025	-0.1	14.3
06/05/2025 18:00	0.0	3.5	19.5	23	0	NM		1025	-0.1	13.4
06/05/2025 19:00	0.0	3.5	19.5	23	0	NM		1025	-0.1	12.6
06/05/2025 20:00	0.0	3.6	19.4	22	0	NM		1025	0.0	11.7
06/05/2025 21:00	0.0	3.5	19.4	22	0	NM		1026	0.1	11.0
06/05/2025 22:00	0.0	3.5	19.4	22	1	NM		1025	0.1	9.8
06/05/2025 23:00	0.0	3.5	19.4	22	0	NM		1025	0.1	9.0
07/05/2025 00:00	0.0	3.5	19.3	22	0	NM		1025	0.1	8.2
07/05/2025 01:00	0.0	3.5	19.3	22	0	NM		1025	0.0	7.1
07/05/2025 02:00	0.0	3.5	19.3	22	0	NM		1025	0.0	6.6
07/05/2025 03:00	0.0	3.4	19.3	21	0	NM		1025	0.0	5.9
07/05/2025 04:00	0.0	3.4	19.3	21	0	NM		1025	0.0	5.4
07/05/2025 05:00	0.0	3.5	19.2	21	0	NM		1025	-0.1	5.3
07/05/2025 06:00	0.0	3.4	19.2	21	0	NM		1025	0.0	6.5
07/05/2025 07:00	0.0	3.4	19.2	21	0	NM		1025	0.0	8.6
07/05/2025 08:00	0.1	3.4	19.2	21	0	NM		1025	0.0	10.6
07/05/2025 09:00	0.1	3.3	19.2	21	0	NM		1025	0.0	12.1
07/05/2025 10:00	0.1	3.3	19.2	21	0	NM		1024	-0.1	13.8
07/05/2025 11:00	0.0	3.5	19.2	21	0	NM		1024	-0.1	15.2
07/05/2025 12:00	0.0	3.4	19.2	21	0	NM		1023	-0.3	15.7
07/05/2025 13:00	0.0	3.5	19.3	22	0	NM		1023	-0.3	16.5
07/05/2025 14:00	0.0	3.6	19.3	22	0	NM		1022	-0.4	17.3

Time Series Data

Project Ref:	GGS3988
Project Name:	Elgar Road South, Reading
Borehole ref:	BH2
Instrument Name and ID:	03000060
Start Date:	09/04/2025 17:00
End Date:	07/05/2025 14:00
Days of monitoring:	28
nitoring Frequency (hh:mm:ss):	01:00:00
Total samples taken:	670

ggs
Experts in Continuous Monitoring

Summary Table

	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
Minimum	0.0	0.0	19.2	20	0	-0.01	**Minimum**	994	-1.1	2.7
Maximum	0.1	1.8	20.4	27	6	0.10	**Maximum**	1033	1.0	27.9
Range	0.1	1.8	1.2	7	6	0.11	**Range**	39	2.1	25.2

Date and Time	CH_4 % v/v	CO_2 % v/v	O_2 % v/v	CO ppm/v	H_2S ppm/v	Flow Ltr/hr		Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Temperature °C
09/04/2025 17:00	0.00	0.04	19.9	20	1	0.00		1029	NM	13.1
09/04/2025 18:00	0.00	0.03	20.0	21	2	0.01		1029	NM	12.2
09/04/2025 19:00	0.00	0.03	20.0	21	1	0.01		1030	NM	10.5
09/04/2025 20:00	0.00	0.03	20.0	20	0	0.01		1031	NM	9.1
09/04/2025 21:00	0.00	0.02	20.0	21	1	0.00		1032	NM	7.7
09/04/2025 22:00	0.00	0.03	19.9	21	2	0.00		1032	NM	6.6
09/04/2025 23:00	0.00	0.02	19.9	21	2	0.01		1033	NM	5.7
10/04/2025 00:00	0.00	0.02	19.9	21	0	0.00		1033	NM	5.0
10/04/2025 01:00	0.00	0.02	19.8	21	2	0.01		1033	0.5	4.3
10/04/2025 02:00	0.00	0.02	19.8	21	1	0.01		1033	0.5	3.8
10/04/2025 03:00	0.00	0.02	19.7	21	1	0.01		1033	0.4	3.4
10/04/2025 04:00	0.00	0.02	19.7	21	1	0.02		1033	0.3	3.3
10/04/2025 05:00	0.00	0.02	19.7	21	1	0.01		1033	0.1	3.5
10/04/2025 06:00	0.00	0.02	19.7	21	2	0.05		1033	0.1	4.0
10/04/2025 07:00	0.00	0.02	19.7	21	3	0.04		1033	0.0	5.4
10/04/2025 08:00	0.00	0.01	19.7	21	2	0.05		1033	0.0	7.5
10/04/2025 09:00	0.00	0.01	19.7	21	2	0.03		1033	0.0	9.4
10/04/2025 10:00	0.00	0.02	19.7	21	0	0.04		1032	-0.1	10.7
10/04/2025 11:00	0.00	0.01	19.7	21	2	0.04		1032	-0.1	12.0
10/04/2025 12:00	0.00	0.01	19.8	21	2	0.07		1032	-0.1	13.1
10/04/2025 13:00	0.00	0.02	19.9	22	2	0.05		1031	-0.3	13.0
10/04/2025 14:00	0.00	0.02	20.0	22	1	0.04		1030	-0.4	13.7
10/04/2025 15:00	0.00	0.02	20.1	23	3	0.05		1030	-0.4	14.1
10/04/2025 16:00	0.00	0.02	20.2	23	2	0.03		1029	-0.5	14.3
10/04/2025 17:00	0.00	0.02	20.2	23	2	0.04		1029	-0.5	14.3
10/04/2025 18:00	0.00	0.02	20.3	24	2	0.00		1028	-0.5	13.7
10/04/2025 19:00	0.00	0.02	20.2	23	3	0.00		1028	-0.5	11.7
10/04/2025 20:00	0.00	0.02	20.1	23	2	0.00		1028	-0.5	10.2
10/04/2025 21:00	0.00	0.02	20.1	23	2	0.00		1028	-0.4	9.2
10/04/2025 22:00	0.00	0.02	20.0	22	3	0.01		1028	-0.3	8.1
10/04/2025 23:00	0.00	0.02	20.0	22	1	0.01		1028	-0.3	6.9
11/04/2025 00:00	0.00	0.02	19.9	22	1	0.02		1027	-0.3	6.2
11/04/2025 01:00	0.00	0.02	19.8	22	1	0.02		1027	-0.3	5.4
11/04/2025 02:00	0.00	0.02	19.8	22	3	0.02		1026	-0.3	5.0
11/04/2025 03:00	0.00	0.02	19.8	22	2	0.02		1026	-0.3	4.4
11/04/2025 04:00	0.00	0.02	19.7	22	1	0.02		1025	-0.4	4.3
11/04/2025 05:00	0.00	0.01	19.7	22	0	0.05		1025	-0.4	4.3
11/04/2025 06:00	0.00	0.01	19.7	22	1	0.01		1025	-0.4	4.8
11/04/2025 07:00	0.00	0.01	19.7	22	1	0.02		1025	-0.4	6.8
11/04/2025 08:00	0.00	0.01	19.6	22	1	0.02		1024	-0.4	9.6
11/04/2025 09:00	0.00	0.01	19.6	22	4	0.08		1024	-0.4	12.0
11/04/2025 10:00	0.00	0.01	19.7	22	2	0.08		1024	-0.3	14.1
11/04/2025 11:00	0.00	0.01	19.8	22	1	0.09		1023	-0.4	15.8
11/04/2025 12:00	0.00	0.01	19.9	23	2	0.10		1022	-0.4	17.2
11/04/2025 13:00	0.00	0.02	20.1	23	3	0.07		1021	-0.5	19.3
11/04/2025 14:00	0.00	0.02	20.2	24	3	0.03		1021	-0.5	20.0
11/04/2025 15:00	0.00	0.02	20.3	24	3	0.04		1020	-0.6	20.2
11/04/2025 16:00	0.00	0.03	20.3	25	3	0.04		1019	-0.6	20.2
11/04/2025 17:00	0.00	0.03	20.4	26	4	0.02		1018	-0.8	19.8
11/04/2025 18:00	0.00	0.03	20.4	24	6	0.00		1018	-0.8	18.8
11/04/2025 19:00	0.00	0.02	20.4	25	4	0.00		1017	-0.8	16.3
11/04/2025 20:00	0.00	0.03	20.3	25	3	0.00		1017	-0.6	14.8
11/04/2025 21:00	0.00	0.03	20.2	25	3	0.00		1017	-0.5	13.6
11/04/2025 22:00	0.00	0.03	20.1	24	3	0.00		1017	-0.5	12.5
11/04/2025 23:00	0.00	0.03	20.1	24	2	0.00		1017	-0.4	11.3
12/04/2025 00:00	0.00	0.02	20.0	23	2	0.01		1016	-0.4	10.0

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
12/04/2025 01:00	0.00	0.02	20.0	24	2	0.01		1015	-0.4	8.8
12/04/2025 02:00	0.00	0.02	19.9	23	2	0.01		1014	-0.5	8.3
12/04/2025 03:00	0.00	0.02	19.9	23	1	0.01		1013	-0.5	7.6
12/04/2025 04:00	0.00	0.02	19.8	23	2	0.03		1012	-0.6	7.0
12/04/2025 05:00	0.00	0.02	19.8	23	1	0.02		1012	-0.6	6.7
12/04/2025 06:00	0.00	0.02	19.8	23	2	0.02		1011	-0.8	7.0
12/04/2025 07:00	0.00	0.02	19.7	23	1	0.03		1010	-0.9	8.6
12/04/2025 08:00	0.00	0.02	19.7	23	1	0.03		1010	-0.8	10.8
12/04/2025 09:00	0.00	0.02	19.7	23	4	0.05		1009	-0.8	13.2
12/04/2025 10:00	0.00	0.02	19.8	23	2	0.04		1008	-0.8	15.6
12/04/2025 11:00	0.00	0.02	19.8	23	2	0.09		1007	-0.8	17.8
12/04/2025 12:00	0.00	0.02	20.0	24	2	0.09		1006	-0.8	19.1
12/04/2025 13:00	0.00	0.02	20.1	25	3	0.08		1004	-1.0	21.1
12/04/2025 14:00	0.00	0.03	20.2	25	4	0.07		1003	-1.0	21.0
12/04/2025 15:00	0.00	0.02	20.2	26	3	0.02		1002	-1.0	20.9
12/04/2025 16:00	0.00	0.03	20.3	26	4	0.02		1001	-1.1	20.6
12/04/2025 17:00	0.00	0.03	20.3	26	6	0.07		1001	-1.0	20.0
12/04/2025 18:00	0.00	0.03	20.4	27	5	0.01		1000	-1.0	18.6
12/04/2025 19:00	0.00	0.04	20.3	27	3	0.00		1000	-0.9	16.3
12/04/2025 20:00	0.00	0.03	20.3	26	3	0.00		1000	-0.8	14.5
12/04/2025 21:00	0.00	0.03	20.2	26	3	0.00		1000	-0.5	14.1
12/04/2025 22:00	0.00	0.03	20.1	26	4	0.00		999	-0.5	13.8
12/04/2025 23:00	0.00	0.03	20.1	25	2	0.00		999	-0.4	13.1
13/04/2025 00:00	0.00	0.03	20.0	25	3	0.00		1000	-0.1	12.1
13/04/2025 01:00	0.00	0.03	20.0	25	2	0.02		1000	-0.1	12.6
13/04/2025 02:00	0.00	0.03	20.0	25	3	0.01		1001	0.1	11.4
13/04/2025 03:00	0.00	0.03	20.0	25	2	0.01		1001	0.1	10.8
13/04/2025 04:00	0.00	0.03	19.9	24	2	0.00		1001	0.1	9.8
13/04/2025 05:00	0.00	0.03	19.9	24	3	0.01		1002	0.3	8.9
13/04/2025 06:00	0.00	0.03	19.9	24	2	0.03		1002	0.4	8.3
13/04/2025 07:00	0.00	0.02	19.9	24	2	0.02		1003	0.5	9.2
13/04/2025 08:00	0.00	0.02	19.8	24	0	0.01		1004	0.5	10.6
13/04/2025 09:00	0.00	0.03	19.8	24	2	0.03		1004	0.5	12.1
13/04/2025 10:00	0.00	0.03	19.8	24	3	0.04		1004	0.4	13.0
13/04/2025 11:00	0.00	0.02	19.9	24	2	0.05		1004	0.4	13.4
13/04/2025 12:00	0.00	0.03	19.9	24	3	0.07		1004	0.4	14.6
13/04/2025 13:00	0.00	0.03	20.0	25	3	0.03		1005	0.4	12.6
13/04/2025 14:00	0.00	0.03	20.0	25	3	0.07		1005	0.4	13.6
13/04/2025 15:00	0.00	0.03	20.0	25	3	0.01		1004	0.1	14.7
13/04/2025 16:00	0.00	0.03	20.0	25	4	0.02		1004	0.0	14.4
13/04/2025 17:00	0.00	0.03	20.0	25	3	0.03		1005	0.1	13.2
13/04/2025 18:00	0.00	0.03	20.0	25	3	0.01		1005	0.1	12.2
13/04/2025 19:00	0.00	0.03	20.0	25	2	0.02		1006	0.3	11.4
13/04/2025 20:00	0.00	0.03	20.0	25	4	0.00		1007	0.4	10.4
13/04/2025 21:00	0.00	0.03	19.9	25	2	0.00		1007	0.3	9.3
13/04/2025 22:00	0.00	0.03	19.9	24	3	0.00		1007	0.3	8.3
13/04/2025 23:00	0.00	0.03	19.8	24	2	0.01		1007	0.4	7.3
14/04/2025 00:00	0.00	0.02	19.8	24	3	0.01		1008	0.5	6.7
14/04/2025 01:00	0.00	0.02	19.8	24	2	0.00		1007	0.3	5.8
14/04/2025 02:00	0.00	0.02	19.7	24	2	0.01		1007	0.3	5.3
14/04/2025 03:00	0.00	0.02	19.7	24	2	0.02		1007	0.1	4.9
14/04/2025 04:00	0.00	0.02	19.7	24	3	0.03		1007	0.0	4.7
14/04/2025 05:00	0.00	0.02	19.7	23	2	0.01		1007	0.0	4.7
14/04/2025 06:00	0.00	0.02	19.6	23	1	0.02		1007	0.0	5.3
14/04/2025 07:00	0.00	0.01	19.6	23	1	0.02		1007	0.0	7.6
14/04/2025 08:00	0.00	0.02	19.6	23	0	0.03		1007	-0.1	10.3
14/04/2025 09:00	0.00	0.02	19.6	23	1	0.08		1006	-0.1	11.5
14/04/2025 10:00	0.00	0.02	19.7	23	3	0.07		1006	-0.1	12.1
14/04/2025 11:00	0.00	0.02	19.7	24	1	0.10		1005	-0.3	13.0
14/04/2025 12:00	0.00	0.02	19.8	25	2	0.09		1005	-0.3	12.5
14/04/2025 13:00	0.00	0.02	19.9	25	2	0.06		1005	-0.3	13.0
14/04/2025 14:00	0.00	0.02	20.0	25	2	0.06		1004	-0.4	12.9
14/04/2025 15:00	0.00	0.02	20.0	25	3	0.05		1003	-0.5	13.5
14/04/2025 16:00	0.00	0.02	20.0	25	2	0.03		1002	-0.6	13.7
14/04/2025 17:00	0.00	0.02	20.0	25	4	0.04		1002	-0.5	13.4
14/04/2025 18:00	0.00	0.02	20.0	25	2	0.02		1001	-0.6	12.6
14/04/2025 19:00	0.00	0.02	20.0	25	3	0.02		1001	-0.5	11.9
14/04/2025 20:00	0.00	0.02	20.0	25	1	0.01		1001	-0.5	11.4
14/04/2025 21:00	0.00	0.02	19.9	25	3	0.01		1001	-0.5	10.9
14/04/2025 22:00	0.00	0.02	19.9	24	2	0.01		1001	-0.4	10.5
14/04/2025 23:00	0.00	0.02	19.8	24	1	0.01		1000	-0.4	10.0
15/04/2025 00:00	0.00	0.02	19.8	24	1	0.02		999	-0.4	9.5
15/04/2025 01:00	0.00	0.02	19.8	24	2	0.04		999	-0.4	9.3
15/04/2025 02:00	0.00	0.02	19.8	24	3	0.02		998	-0.4	9.2
15/04/2025 03:00	0.00	0.02	19.8	24	1	0.02		997	-0.5	9.2
15/04/2025 04:00	0.00	0.02	19.8	24	2	0.02		996	-0.6	9.1
15/04/2025 05:00	0.00	0.02	19.7	24	4	0.03		996	-0.6	9.1
15/04/2025 06:00	0.00	0.02	19.7	24	2	0.03		996	-0.6	9.2
15/04/2025 07:00	0.00	0.02	19.7	24	4	0.04		996	-0.5	9.9
15/04/2025 08:00	0.00	0.02	19.7	24	4	0.03		996	-0.4	11.1
15/04/2025 09:00	0.00	0.02	19.7	24	3	0.04		995	-0.5	12.9

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
15/04/2025 10:00	0.00	0.02	19.7	24	3	0.03		995	-0.4	13.9
15/04/2025 11:00	0.00	0.02	19.8	24	1	0.03		995	-0.3	14.9
15/04/2025 12:00	0.00	0.02	19.8	24	3	0.04		994	-0.3	16.1
15/04/2025 13:00	0.00	0.02	19.8	24	3	0.03		995	-0.1	14.2
15/04/2025 14:00	0.00	0.02	19.8	25	2	0.05		995	-0.1	15.3
15/04/2025 15:00	0.00	0.02	19.9	25	2	0.04		995	-0.1	15.2
15/04/2025 16:00	0.00	0.03	19.9	25	2	0.04		995	-0.1	13.5
15/04/2025 17:00	0.00	0.02	19.9	25	3	0.04		995	0.0	14.5
15/04/2025 18:00	0.00	0.03	19.9	25	2	0.02		994	-0.1	14.0
15/04/2025 19:00	0.00	0.03	19.9	25	3	0.01		995	0.0	12.8
15/04/2025 20:00	0.00	0.03	19.9	25	3	0.02		995	0.1	11.5
15/04/2025 21:00	0.00	0.03	19.9	25	3	0.03		995	0.0	10.4
15/04/2025 22:00	0.00	0.03	19.9	25	2	0.02		995	0.0	10.1
15/04/2025 23:00	0.00	0.03	19.8	25	3	0.04		995	0.0	9.4
16/04/2025 00:00	0.00	0.03	19.8	24	2	0.05		995	0.0	8.8
16/04/2025 01:00	0.00	0.03	19.8	24	3	0.05		997	0.3	8.3
16/04/2025 02:00	0.00	0.03	19.8	24	2	0.05		997	0.4	8.4
16/04/2025 03:00	0.00	0.03	19.7	24	3	0.06		996	0.1	8.0
16/04/2025 04:00	0.00	0.03	19.7	24	4	0.08		997	0.3	7.8
16/04/2025 05:00	0.00	0.03	19.7	24	4	0.04		999	0.5	7.2
16/04/2025 06:00	0.00	0.03	19.7	24	4	0.06		999	0.5	7.2
16/04/2025 07:00	0.00	0.03	19.7	24	4	0.05		1000	0.6	7.9
16/04/2025 08:00	0.00	0.03	19.7	24	1	0.07		1001	0.8	9.1
16/04/2025 09:00	0.00	0.03	19.7	24	3	0.09		1002	0.6	10.4
16/04/2025 10:00	0.00	0.03	19.7	24	1	0.05		1004	0.9	11.3
16/04/2025 11:00	0.00	0.03	19.8	24	1	0.09		1004	1.0	12.4
16/04/2025 12:00	0.00	0.04	19.8	25	3	0.05		1005	1.0	13.3
16/04/2025 13:00	0.00	0.04	19.9	25	3	0.07		1005	0.8	14.2
16/04/2025 14:00	0.00	0.04	20.0	26	2	0.06		1006	0.9	14.2
16/04/2025 15:00	0.00	0.04	20.1	26	3	0.06		1006	0.8	13.6
16/04/2025 16:00	0.00	0.04	20.1	27	3	0.06		1007	0.8	13.1
16/04/2025 17:00	0.00	0.05	20.2	27	3	0.05		1007	0.6	12.3
16/04/2025 18:00	0.00	0.05	20.2	27	2	0.02		1008	0.5	11.6
16/04/2025 19:00	0.00	0.05	20.1	26	3	0.01		1009	0.6	10.3
16/04/2025 20:00	0.00	0.05	20.0	26	2	0.01		1010	0.6	9.1
16/04/2025 21:00	0.00	0.05	20.0	25	2	0.00		1010	0.6	8.1
16/04/2025 22:00	0.00	0.05	19.9	25	2	0.00		1011	0.6	7.3
16/04/2025 23:00	0.00	0.05	19.8	25	2	0.00		1011	0.6	6.6
17/04/2025 00:00	0.00	0.05	19.8	24	3	0.00		1011	0.5	5.9
17/04/2025 01:00	0.00	0.06	19.7	24	3	0.00		1011	0.5	4.4
17/04/2025 02:00	0.00	0.06	19.7	24	3	0.00		1012	0.5	3.9
17/04/2025 03:00	0.00	0.06	19.7	24	3	0.01		1012	0.4	3.5
17/04/2025 04:00	0.00	0.06	19.6	24	1	0.02		1012	0.3	3.1
17/04/2025 05:00	0.00	0.06	19.6	24	3	0.02		1012	0.3	2.7
17/04/2025 06:00	0.00	0.07	19.6	23	1	0.01		1013	0.3	3.5
17/04/2025 07:00	0.00	0.07	19.5	23	1	0.01		1013	0.3	5.4
17/04/2025 08:00	0.00	0.07	19.5	23	1	0.04		1013	0.3	8.5
17/04/2025 09:00	0.00	0.08	19.5	23	1	0.07		1013	0.3	11.0
17/04/2025 10:00	0.00	0.08	19.6	24	2	0.06		1013	0.1	12.8
17/04/2025 11:00	0.00	0.07	19.7	24	2	0.09		1013	0.1	14.1
17/04/2025 12:00	0.00	0.08	19.8	25	3	0.08		1012	0.0	14.8
17/04/2025 13:00	0.00	0.08	20.0	26	2	0.05		1013	0.1	15.2
17/04/2025 14:00	0.00	0.08	20.0	26	4	0.04		1012	-0.1	15.7
17/04/2025 15:00	0.00	0.09	20.1	26	4	0.02		1012	-0.1	16.2
17/04/2025 16:00	0.00	0.09	20.1	26	4	0.02		1012	-0.1	15.7
17/04/2025 17:00	0.00	0.09	20.1	26	3	0.02		1012	-0.1	15.2
17/04/2025 18:00	0.00	0.09	20.2	26	4	0.01		1012	-0.1	14.2
17/04/2025 19:00	0.00	0.09	20.1	26	3	0.01		1013	0.0	12.3
17/04/2025 20:00	0.00	0.09	20.1	26	3	0.00		1013	0.1	11.0
17/04/2025 21:00	0.00	0.09	20.0	26	2	0.00		1013	0.0	9.8
17/04/2025 22:00	0.00	0.09	19.9	25	2	0.00		1013	0.1	9.2
17/04/2025 23:00	0.00	0.09	19.9	25	2	0.00		1013	0.1	8.8
18/04/2025 00:00	0.00	0.09	19.8	25	2	0.00		1013	0.1	8.3
18/04/2025 01:00	0.00	0.09	19.8	24	2	0.01		1013	0.1	9.1
18/04/2025 02:00	0.00	0.10	19.7	24	1	0.01		1012	0.0	7.9
18/04/2025 03:00	0.00	0.11	19.7	24	0	0.03		1012	-0.1	7.2
18/04/2025 04:00	0.00	0.10	19.7	24	3	0.02		1012	-0.1	8.2
18/04/2025 05:00	0.00	0.10	19.6	24	1	0.02		1011	-0.3	8.5
18/04/2025 06:00	0.00	0.11	19.6	24	1	0.03		1011	-0.3	9.0
18/04/2025 07:00	0.00	0.11	19.6	24	4	0.01		1011	-0.3	9.9
18/04/2025 08:00	0.00	0.11	19.6	24	0	0.01		1011	-0.3	10.9
18/04/2025 09:00	0.00	0.12	19.6	24	1	0.02		1011	-0.3	12.5
18/04/2025 10:00	0.00	0.12	19.7	24	2	0.03		1011	-0.1	13.4
18/04/2025 11:00	0.00	0.12	19.7	24	2	0.07		1011	-0.1	13.3
18/04/2025 12:00	0.00	0.11	19.8	25	2	0.08		1010	-0.3	12.8
18/04/2025 13:00	0.00	0.12	19.9	25	3	0.04		1009	-0.3	14.6
18/04/2025 14:00	0.00	0.12	19.9	25	2	0.06		1009	-0.3	14.0
18/04/2025 15:00	0.00	0.12	19.9	25	3	0.05		1009	-0.3	13.3
18/04/2025 16:00	0.00	0.12	19.9	25	2	0.04		1009	-0.3	12.3
18/04/2025 17:00	0.00	0.12	19.9	25	2	0.03		1008	-0.4	12.3
18/04/2025 18:00	0.00	0.12	19.9	25	2	0.01		1008	-0.4	12.1

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
18/04/2025 19:00	0.00	0.12	19.9	25	2	0.01		1008	-0.4	12.0
18/04/2025 20:00	0.00	0.12	19.9	25	1	0.01		1008	-0.3	12.0
18/04/2025 21:00	0.00	0.12	19.8	25	0	0.00		1007	-0.3	12.3
18/04/2025 22:00	0.00	0.13	19.8	25	2	0.01		1007	-0.3	12.5
18/04/2025 23:00	0.00	0.12	19.8	24	3	0.01		1007	-0.3	12.2
19/04/2025 00:00	0.00	0.13	19.8	25	3	0.02		1007	-0.3	11.8
19/04/2025 01:00	0.00	0.12	19.8	24	3	0.01		1006	-0.3	12.4
19/04/2025 02:00	0.00	0.13	19.7	24	2	0.01		1006	-0.3	11.6
19/04/2025 03:00	0.00	0.13	19.7	24	0	0.01		1006	-0.3	11.7
19/04/2025 04:00	0.00	0.13	19.7	24	2	0.01		1006	-0.3	11.7
19/04/2025 05:00	0.00	0.13	19.7	24	1	0.01		1006	-0.1	11.7
19/04/2025 06:00	0.00	0.13	19.7	24	1	0.01		1006	-0.1	11.5
19/04/2025 07:00	0.00	0.13	19.7	24	3	0.02		1007	0.0	11.6
19/04/2025 08:00	0.00	0.13	19.7	24	1	0.02		1007	0.0	11.9
19/04/2025 09:00	0.00	0.13	19.7	24	0	0.01		1007	0.1	12.6
19/04/2025 10:00	0.00	0.13	19.7	24	2	0.02		1007	0.1	13.8
19/04/2025 11:00	0.00	0.14	19.7	24	2	0.05		1007	0.1	14.8
19/04/2025 12:00	0.00	0.13	19.8	25	2	0.03		1007	0.1	15.8
19/04/2025 13:00	0.00	0.13	19.8	25	2	0.05		1007	0.1	16.5
19/04/2025 14:00	0.00	0.14	19.9	25	3	0.07		1007	0.1	16.4
19/04/2025 15:00	0.00	0.15	20.0	26	2	0.03		1007	0.0	16.4
19/04/2025 16:00	0.00	0.15	20.0	26	3	0.03		1007	0.0	15.8
19/04/2025 17:00	0.00	0.15	20.1	26	3	0.03		1007	0.0	14.9
19/04/2025 18:00	0.00	0.15	20.1	26	3	-0.01		1007	0.0	13.8
19/04/2025 19:00	0.00	0.15	20.0	26	1	0.01		1008	0.1	12.4
19/04/2025 20:00	0.00	0.15	20.0	26	3	0.00		1008	0.1	11.0
19/04/2025 21:00	0.00	0.16	19.9	25	3	0.03		1008	0.1	9.8
19/04/2025 22:00	0.00	0.16	19.9	25	2	0.00		1009	0.3	8.5
19/04/2025 23:00	0.00	0.17	19.8	25	1	0.01		1009	0.3	7.5
20/04/2025 00:00	0.00	0.16	19.8	24	1	0.01		1008	0.1	6.6
20/04/2025 01:00	0.00	0.17	19.7	24	3	0.01		1008	0.1	6.3
20/04/2025 02:00	0.00	0.17	19.7	24	1	0.03		1008	0.1	5.8
20/04/2025 03:00	0.00	0.17	19.7	24	2	0.02		1008	0.0	5.4
20/04/2025 04:00	0.00	0.17	19.6	24	0	0.01		1008	0.0	5.1
20/04/2025 05:00	0.00	0.18	19.6	24	2	0.02		1008	0.0	4.7
20/04/2025 06:00	0.00	0.17	19.6	24	3	0.01		1008	-0.1	5.2
20/04/2025 07:00	0.00	0.18	19.6	24	2	0.03		1007	-0.3	6.7
20/04/2025 08:00	0.00	0.17	19.6	24	3	0.01		1007	-0.1	8.4
20/04/2025 09:00	0.00	0.18	19.6	24	3	0.02		1007	-0.1	10.3
20/04/2025 10:00	0.00	0.17	19.6	24	2	0.03		1007	-0.1	12.0
20/04/2025 11:00	0.00	0.18	19.7	24	2	0.01		1007	-0.1	13.5
20/04/2025 12:00	0.00	0.21	19.8	25	2	0.01		1007	-0.1	14.9
20/04/2025 13:00	0.00	0.21	19.9	25	2	0.01		1007	-0.1	13.7
20/04/2025 14:00	0.00	0.21	19.9	25	3	0.01		1006	-0.3	16.6
20/04/2025 15:00	0.00	0.18	19.9	26	2	0.02		1006	-0.1	16.6
20/04/2025 16:00	0.00	0.21	19.9	26	2	0.00		1006	-0.1	15.8
20/04/2025 17:00	0.00	0.21	20.0	26	2	0.02		1006	-0.1	15.1
20/04/2025 18:00	0.00	0.22	19.9	25	3	0.00		1006	-0.1	14.4
20/04/2025 19:00	0.00	0.21	19.9	25	3	0.01		1007	0.0	13.6
20/04/2025 20:00	0.00	0.21	19.9	25	2	0.00		1007	0.0	12.4
20/04/2025 21:00	0.00	0.22	19.8	25	2	0.00		1007	0.0	11.3
20/04/2025 22:00	0.00	0.23	19.8	25	1	0.00		1007	0.1	10.6
20/04/2025 23:00	0.00	0.23	19.8	25	1	0.01		1007	0.1	9.9
21/04/2025 00:00	0.00	0.22	19.7	24	3	0.00		1008	0.3	9.2
21/04/2025 01:00	0.00	0.22	19.7	24	2	0.00		1007	0.1	9.7
21/04/2025 02:00	0.00	0.22	19.7	24	2	0.01		1007	0.1	9.4
21/04/2025 03:00	0.00	0.23	19.7	24	4	0.01		1008	0.1	9.5
21/04/2025 04:00	0.00	0.23	19.7	24	0	0.00		1008	0.1	9.5
21/04/2025 05:00	0.00	0.23	19.7	24	2	0.00		1008	0.1	9.4
21/04/2025 06:00	0.00	0.23	19.7	24	3	0.01		1008	0.1	9.6
21/04/2025 07:00	0.00	0.23	19.6	24	1	0.01		1008	0.1	9.9
21/04/2025 08:00	0.00	0.24	19.6	24	0	0.01		1008	0.0	10.7
21/04/2025 09:00	0.00	0.23	19.6	24	3	0.00		1009	0.3	12.4
21/04/2025 10:00	0.00	0.23	19.7	24	3	0.00		1009	0.3	14.3
21/04/2025 11:00	0.00	0.23	19.7	24	3	0.01		1009	0.1	15.1
21/04/2025 12:00	0.00	0.23	19.7	24	2	0.00		1009	0.1	15.8
21/04/2025 13:00	0.00	0.26	19.8	25	2	0.02		1010	0.3	14.9
21/04/2025 14:00	0.00	0.25	19.8	25	2	0.01		1011	0.4	13.0
21/04/2025 15:00	0.00	0.25	19.8	25	1	0.01		1011	0.4	12.4
21/04/2025 16:00	0.00	0.26	19.8	24	0	0.01		1011	0.4	13.8
21/04/2025 17:00	0.00	0.26	19.8	24	2	0.00		1011	0.3	13.7
21/04/2025 18:00	0.00	0.26	19.8	25	2	0.00		1012	0.4	12.9
21/04/2025 19:00	0.00	0.25	19.8	25	3	0.00		1012	0.4	11.9
21/04/2025 20:00	0.00	0.27	19.8	25	3	0.01		1013	0.5	10.6
21/04/2025 21:00	0.00	0.27	19.8	25	2	0.00		1014	0.5	9.6
21/04/2025 22:00	0.00	0.27	19.7	24	2	0.00		1014	0.4	8.9
21/04/2025 23:00	0.00	0.27	19.7	24	2	0.01		1015	0.5	8.3
22/04/2025 00:00	0.00	0.27	19.7	24	2	0.01		1015	0.5	7.8
22/04/2025 01:00	0.00	0.28	19.6	24	1	0.00		1015	0.5	7.2
22/04/2025 02:00	0.00	0.28	19.6	24	1	0.00		1015	0.4	6.7
22/04/2025 03:00	0.00	0.29	19.6	24	2	0.00		1016	0.5	6.6

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
22/04/2025 04:00	0.00	0.29	19.5	23	2	0.01		1016	0.4	6.3
22/04/2025 05:00	0.00	0.30	19.5	23	0	0.00		1016	0.3	5.7
22/04/2025 06:00	0.00	0.29	19.5	23	3	0.00		1016	0.3	6.3
22/04/2025 07:00	0.00	0.29	19.5	23	0	0.00		1017	0.3	8.2
22/04/2025 08:00	0.00	0.30	19.5	23	3	0.00		1018	0.4	10.2
22/04/2025 09:00	0.00	0.30	19.5	23	0	0.00		1018	0.4	12.0
22/04/2025 10:00	0.00	0.30	19.5	24	1	0.02		1018	0.4	13.3
22/04/2025 11:00	0.00	0.30	19.6	24	1	0.02		1017	0.1	14.6
22/04/2025 12:00	0.00	0.30	19.7	24	1	0.01		1017	0.1	15.5
22/04/2025 13:00	0.00	0.31	19.8	25	2	0.03		1017	0.1	15.7
22/04/2025 14:00	0.00	0.33	19.9	25	1	0.01		1017	0.1	15.4
22/04/2025 15:00	0.00	0.31	19.9	25	3	0.00		1017	0.0	15.3
22/04/2025 16:00	0.00	0.34	20.0	25	3	0.01		1016	-0.3	14.9
22/04/2025 17:00	0.00	0.33	20.0	25	2	0.00		1016	-0.3	14.3
22/04/2025 18:00	0.00	0.33	20.0	25	3	0.01		1016	-0.3	13.4
22/04/2025 19:00	0.00	0.33	19.9	25	2	0.00		1016	-0.1	11.9
22/04/2025 20:00	0.00	0.34	19.9	25	1	0.01		1016	-0.1	10.6
22/04/2025 21:00	0.00	0.35	19.8	24	2	0.00		1015	-0.3	10.0
22/04/2025 22:00	0.00	0.36	19.8	24	2	0.00		1015	-0.3	9.9
22/04/2025 23:00	0.00	0.36	19.7	24	2	0.01		1014	-0.4	9.9
23/04/2025 00:00	0.00	0.35	19.7	24	3	0.00		1013	-0.4	9.6
23/04/2025 01:00	0.00	0.36	19.7	24	2	0.01		1011	-0.6	9.5
23/04/2025 02:00	0.00	0.36	19.6	23	1	0.03		1011	-0.6	9.4
23/04/2025 03:00	0.00	0.36	19.6	23	3	0.03		1009	-0.9	9.0
23/04/2025 04:00	0.00	0.37	19.6	23	2	0.08		1008	-1.0	8.5
23/04/2025 05:00	0.00	0.37	19.6	23	2	0.06		1007	-1.0	8.5
23/04/2025 06:00	0.00	0.37	19.6	23	3	0.02		1007	-1.0	8.9
23/04/2025 07:00	0.00	0.39	19.6	23	0	0.01		1007	-0.9	9.2
23/04/2025 08:00	0.00	0.39	19.5	23	2	0.00		1008	-0.6	9.9
23/04/2025 09:00	0.00	0.39	19.5	23	3	0.04		1009	-0.3	10.5
23/04/2025 10:00	0.00	0.40	19.5	23	3	0.03		1010	-0.1	10.4
23/04/2025 11:00	0.00	0.42	19.5	23	3	0.00		1011	0.3	11.1
23/04/2025 12:00	0.00	0.42	19.5	23	1	0.01		1012	0.5	11.9
23/04/2025 13:00	0.00	0.40	19.6	23	1	0.01		1013	0.8	12.5
23/04/2025 14:00	0.00	0.42	19.6	23	2	0.01		1013	0.8	12.8
23/04/2025 15:00	0.00	0.42	19.6	23	1	0.03		1014	0.9	13.2
23/04/2025 16:00	0.00	0.42	19.6	23	1	0.00		1014	0.8	12.8
23/04/2025 17:00	0.00	0.43	19.7	23	1	0.00		1015	0.8	12.1
23/04/2025 18:00	0.00	0.42	19.7	24	1	0.00		1016	0.8	11.7
23/04/2025 19:00	0.00	0.43	19.7	23	1	0.00		1017	0.8	9.9
23/04/2025 20:00	0.00	0.43	19.7	23	0	0.00		1018	0.8	8.3
23/04/2025 21:00	0.00	0.44	19.6	23	1	0.00		1018	0.6	7.8
23/04/2025 22:00	0.00	0.44	19.6	23	0	0.00		1019	0.8	7.1
23/04/2025 23:00	0.00	0.45	19.6	23	1	0.00		1019	0.6	6.7
24/04/2025 00:00	0.00	0.45	19.6	23	2	0.00		1020	0.8	6.7
24/04/2025 01:00	0.00	0.45	19.6	23	2	0.00		1020	0.6	8.9
24/04/2025 02:00	0.00	0.47	19.5	23	2	0.00		1020	0.5	8.4
24/04/2025 03:00	0.00	0.45	19.5	23	2	0.00		1020	0.4	7.6
24/04/2025 04:00	0.00	0.47	19.5	23	0	0.00		1021	0.4	6.9
24/04/2025 05:00	0.00	0.45	19.5	23	3	0.01		1021	0.4	6.8
24/04/2025 06:00	0.00	0.47	19.5	23	0	0.01		1022	0.4	7.2
24/04/2025 07:00	0.00	0.48	19.5	23	4	0.01		1022	0.4	8.1
24/04/2025 08:00	0.00	0.49	19.5	23	0	0.00		1022	0.3	9.4
24/04/2025 09:00	0.00	0.48	19.5	23	1	0.01		1023	0.4	10.8
24/04/2025 10:00	0.00	0.51	19.5	23	2	0.01		1023	0.4	12.2
24/04/2025 11:00	0.00	0.48	19.6	23	1	0.01		1023	0.4	13.2
24/04/2025 12:00	0.00	0.47	19.6	23	1	0.00		1023	0.3	14.5
24/04/2025 13:00	0.00	0.48	19.7	23	1	0.01		1023	0.3	14.6
24/04/2025 14:00	0.00	0.50	19.8	24	1	0.05		1023	0.1	15.0
24/04/2025 15:00	0.00	0.50	19.8	23	1	0.00		1022	0.0	14.8
24/04/2025 16:00	0.00	0.51	19.8	24	2	0.00		1022	0.0	14.9
24/04/2025 17:00	0.00	0.51	19.8	24	2	0.01		1022	-0.1	14.5
24/04/2025 18:00	0.00	0.50	19.8	23	2	0.00		1022	-0.1	13.7
24/04/2025 19:00	0.00	0.51	19.8	23	1	0.00		1022	-0.1	12.0
24/04/2025 20:00	0.00	0.51	19.8	24	2	0.00		1023	0.0	10.6
24/04/2025 21:00	0.00	0.52	19.7	23	0	0.00		1023	0.0	9.6
24/04/2025 22:00	0.00	0.54	19.7	23	0	0.00		1023	0.0	8.7
24/04/2025 23:00	0.00	0.53	19.7	23	2	0.00		1024	0.3	8.1
25/04/2025 00:00	0.00	0.55	19.6	23	2	0.00		1024	0.3	7.6
25/04/2025 01:00	0.00	0.53	19.6	23	1	0.01		1023	0.1	7.3
25/04/2025 02:00	0.00	0.53	19.5	23	1	0.00		1023	0.1	6.3
25/04/2025 03:00	0.00	0.54	19.5	22	3	0.00		1023	0.1	5.6
25/04/2025 04:00	0.00	0.54	19.5	22	1	0.00		1023	0.0	5.5
25/04/2025 05:00	0.00	0.54	19.5	22	1	0.01		1023	0.0	5.5
25/04/2025 06:00	0.00	0.55	19.5	22	2	0.02		1023	0.0	6.3
25/04/2025 07:00	0.00	0.57	19.5	22	3	0.01		1024	0.0	7.9
25/04/2025 08:00	0.00	0.56	19.5	22	2	0.00		1024	0.0	10.0
25/04/2025 09:00	0.00	0.58	19.5	22	2	0.01		1023	0.0	11.8
25/04/2025 10:00	0.00	0.55	19.5	22	1	0.00		1023	0.0	12.5
25/04/2025 11:00	0.00	0.55	19.6	23	1	0.01		1023	0.0	13.3
25/04/2025 12:00	0.00	0.56	19.6	23	1	0.01		1022	-0.1	14.2

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
25/04/2025 13:00	0.00	0.56	19.7	23	2	0.00		1022	-0.1	14.2
25/04/2025 14:00	0.00	0.57	19.7	23	1	0.01		1022	-0.1	15.3
25/04/2025 15:00	0.00	0.59	19.8	23	1	0.01		1021	-0.4	15.9
25/04/2025 16:00	0.00	0.59	19.9	23	2	0.00		1021	-0.4	15.9
25/04/2025 17:00	0.00	0.59	19.9	23	1	0.00		1021	-0.3	15.8
25/04/2025 18:00	0.00	0.58	19.9	23	2	0.00		1021	-0.3	14.6
25/04/2025 19:00	0.00	0.58	19.9	23	2	0.00		1021	-0.3	12.9
25/04/2025 20:00	0.00	0.58	19.8	23	3	0.00		1021	-0.1	11.3
25/04/2025 21:00	0.00	0.60	19.8	23	1	0.00		1022	0.0	10.4
25/04/2025 22:00	0.00	0.62	19.8	23	2	0.00		1022	0.0	9.6
25/04/2025 23:00	0.00	0.59	19.7	23	1	0.01		1022	0.1	8.4
26/04/2025 00:00	0.00	0.61	19.7	23	2	0.00		1022	0.1	7.7
26/04/2025 01:00	0.00	0.61	19.6	23	2	0.00		1022	0.1	8.4
26/04/2025 02:00	0.00	0.62	19.6	23	2	0.01		1022	0.1	8.7
26/04/2025 03:00	0.00	0.62	19.6	22	0	0.01		1021	0.0	8.6
26/04/2025 04:00	0.00	0.62	19.6	22	0	0.01		1021	0.0	8.5
26/04/2025 05:00	0.00	0.61	19.5	23	1	0.00		1022	0.0	8.5
26/04/2025 06:00	0.00	0.61	19.5	22	1	0.00		1022	0.0	8.8
26/04/2025 07:00	0.00	0.61	19.5	22	0	0.00		1022	0.0	9.4
26/04/2025 08:00	0.00	0.62	19.5	22	2	0.01		1022	0.0	10.5
26/04/2025 09:00	0.00	0.62	19.5	22	2	0.00		1023	0.1	12.2
26/04/2025 10:00	0.00	0.63	19.5	22	0	0.01		1022	0.0	14.1
26/04/2025 11:00	0.00	0.63	19.6	23	2	0.01		1022	0.1	15.2
26/04/2025 12:00	0.00	0.63	19.6	23	1	0.00		1022	0.1	15.9
26/04/2025 13:00	0.00	0.64	19.7	23	1	0.03		1023	0.1	16.3
26/04/2025 14:00	0.10	0.66	19.8	23	2	0.00		1023	0.1	16.8
26/04/2025 15:00	0.00	0.68	19.9	23	1	0.01		1023	0.1	17.1
26/04/2025 16:00	0.00	0.66	19.9	23	2	0.00		1022	0.0	17.4
26/04/2025 17:00	0.00	0.66	19.9	23	2	0.00		1023	0.0	17.2
26/04/2025 18:00	0.00	0.67	19.9	23	1	0.00		1023	0.1	16.6
26/04/2025 19:00	0.00	0.67	19.9	23	3	0.00		1024	0.3	14.1
26/04/2025 20:00	0.00	0.66	19.8	23	1	0.00		1024	0.3	13.2
26/04/2025 21:00	0.00	0.68	19.8	23	1	0.00		1025	0.3	13.1
26/04/2025 22:00	0.00	0.69	19.8	23	2	0.00		1025	0.3	12.5
26/04/2025 23:00	0.00	0.70	19.7	23	1	0.01		1025	0.3	11.1
27/04/2025 00:00	0.00	0.69	19.7	23	1	0.00		1025	0.4	9.7
27/04/2025 01:00	0.00	0.69	19.6	23	2	0.00		1025	0.3	8.7
27/04/2025 02:00	0.00	0.70	19.6	23	0	0.01		1025	0.3	8.2
27/04/2025 03:00	0.00	0.69	19.6	22	1	0.01		1025	0.1	7.9
27/04/2025 04:00	0.00	0.68	19.6	23	2	0.00		1025	0.1	7.6
27/04/2025 05:00	0.00	0.71	19.5	23	1	0.00		1025	0.0	7.2
27/04/2025 06:00	0.00	0.68	19.5	22	2	0.00		1026	0.1	8.4
27/04/2025 07:00	0.00	0.70	19.5	22	1	0.00		1026	0.1	10.4
27/04/2025 08:00	0.00	0.72	19.5	22	2	0.00		1026	0.1	12.8
27/04/2025 09:00	0.00	0.70	19.5	22	2	0.01		1026	0.1	15.0
27/04/2025 10:00	0.00	0.72	19.5	22	2	0.00		1026	0.1	16.7
27/04/2025 11:00	0.00	0.72	19.6	23	1	0.01		1026	0.1	18.0
27/04/2025 12:00	0.00	0.72	19.8	23	1	0.01		1026	0.1	18.1
27/04/2025 13:00	0.00	0.73	19.9	23	1	0.00		1026	0.1	19.5
27/04/2025 14:00	0.00	0.77	19.9	23	1	0.00		1026	0.0	19.6
27/04/2025 15:00	0.00	0.76	20.0	23	3	0.01		1026	0.0	19.7
27/04/2025 16:00	0.00	0.76	20.0	23	1	0.00		1026	0.0	19.5
27/04/2025 17:00	0.00	0.75	20.0	23	2	0.00		1026	0.0	19.1
27/04/2025 18:00	0.00	0.77	19.9	24	1	0.00		1026	0.0	18.5
27/04/2025 19:00	0.00	0.77	19.9	23	2	0.01		1026	0.0	16.4
27/04/2025 20:00	0.00	0.77	19.9	23	2	0.00		1027	0.1	14.8
27/04/2025 21:00	0.00	0.80	19.9	23	1	0.00		1027	0.1	13.7
27/04/2025 22:00	0.00	0.79	19.8	23	2	0.00		1027	0.1	12.6
27/04/2025 23:00	0.00	0.80	19.7	23	2	0.00		1027	0.1	11.7
28/04/2025 00:00	0.00	0.79	19.7	23	1	0.00		1027	0.1	10.5
28/04/2025 01:00	0.00	0.81	19.6	22	2	0.00		1027	0.1	9.4
28/04/2025 02:00	0.00	0.80	19.6	22	1	0.00		1027	0.1	8.5
28/04/2025 03:00	0.00	0.79	19.6	22	2	0.00		1027	0.1	7.8
28/04/2025 04:00	0.00	0.83	19.5	23	2	0.00		1027	0.0	7.2
28/04/2025 05:00	0.00	0.81	19.5	22	2	0.00		1027	0.0	6.7
28/04/2025 06:00	0.00	0.83	19.5	22	1	0.01		1027	0.0	8.2
28/04/2025 07:00	0.00	0.84	19.4	22	1	0.00		1027	0.0	10.9
28/04/2025 08:00	0.00	0.81	19.4	22	2	0.00		1027	0.0	14.0
28/04/2025 09:00	0.00	0.81	19.4	22	2	0.00		1028	0.1	16.7
28/04/2025 10:00	0.00	0.83	19.5	23	1	0.00		1027	0.0	18.3
28/04/2025 11:00	0.00	0.83	19.6	23	1	0.00		1027	0.0	19.5
28/04/2025 12:00	0.00	0.85	19.8	23	1	0.00		1027	0.0	20.3
28/04/2025 13:00	0.00	0.85	19.8	23	2	0.00		1027	0.0	21.4
28/04/2025 14:00	0.00	0.86	19.9	23	1	0.00		1026	-0.1	21.8
28/04/2025 15:00	0.00	0.87	20.0	24	2	0.00		1026	-0.1	22.0
28/04/2025 16:00	0.00	0.88	20.1	24	3	0.00		1025	-0.3	21.9
28/04/2025 17:00	0.10	0.87	20.1	24	1	0.00		1025	-0.4	21.8
28/04/2025 18:00	0.00	0.88	20.1	24	2	0.00		1025	-0.3	21.3
28/04/2025 19:00	0.00	0.89	20.1	24	4	0.00		1026	-0.1	19.6
28/04/2025 20:00	0.00	0.89	20.0	23	3	0.00		1026	-0.1	17.2
28/04/2025 21:00	0.00	0.88	19.9	24	2	0.00		1027	0.0	15.5

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
28/04/2025 22:00	0.00	0.92	19.9	23	2	0.00		1027	0.1	14.4
28/04/2025 23:00	0.00	0.92	19.8	23	2	0.00		1027	0.1	13.2
29/04/2025 00:00	0.00	0.95	19.7	23	2	0.00		1027	0.3	12.5
29/04/2025 01:00	0.00	0.95	19.7	23	1	0.00		1027	0.3	11.2
29/04/2025 02:00	0.00	0.94	19.7	23	1	0.00		1026	0.1	10.0
29/04/2025 03:00	0.00	0.93	19.6	23	1	0.00		1026	0.0	9.3
29/04/2025 04:00	0.00	0.93	19.6	23	1	0.00		1027	0.1	9.1
29/04/2025 05:00	0.00	0.95	19.5	22	2	0.00		1027	0.0	8.9
29/04/2025 06:00	0.00	0.97	19.5	22	2	0.00		1027	0.0	10.1
29/04/2025 07:00	0.00	0.95	19.5	23	1	0.00		1027	0.0	12.2
29/04/2025 08:00	0.00	0.95	19.5	22	1	0.01		1027	0.0	14.5
29/04/2025 09:00	0.00	0.96	19.5	22	1	0.00		1027	0.0	17.1
29/04/2025 10:00	0.00	0.96	19.5	23	0	0.00		1026	0.0	19.4
29/04/2025 11:00	0.00	0.97	19.6	23	2	0.01		1026	0.0	21.0
29/04/2025 12:00	0.00	0.96	19.7	23	1	0.00		1026	-0.1	22.1
29/04/2025 13:00	0.00	0.97	19.8	23	1	0.00		1025	-0.3	23.6
29/04/2025 14:00	0.00	1.00	19.9	23	2	0.00		1025	-0.3	24.0
29/04/2025 15:00	0.00	0.97	20.0	24	2	0.01		1024	-0.4	23.9
29/04/2025 16:00	0.00	1.02	20.0	24	3	0.01		1023	-0.5	23.7
29/04/2025 17:00	0.00	1.01	20.1	24	2	0.02		1023	-0.5	23.2
29/04/2025 18:00	0.00	1.03	20.1	24	2	0.01		1023	-0.4	22.2
29/04/2025 19:00	0.00	1.03	20.0	22	3	0.01		1024	-0.3	20.5
29/04/2025 20:00	0.00	1.04	20.0	23	1	0.00		1024	-0.3	18.5
29/04/2025 21:00	0.00	1.04	19.9	24	1	0.00		1025	0.0	16.8
29/04/2025 22:00	0.00	1.05	19.8	24	0	0.00		1025	0.0	15.5
29/04/2025 23:00	0.00	1.06	19.8	23	2	0.00		1025	0.1	14.3
30/04/2025 00:00	0.00	1.06	19.7	24	1	0.00		1025	0.3	13.1
30/04/2025 01:00	0.00	1.11	19.7	23	1	0.00		1024	0.1	11.4
30/04/2025 02:00	0.00	1.08	19.6	23	1	0.00		1024	0.1	10.4
30/04/2025 03:00	0.00	1.09	19.6	22	1	0.00		1024	0.0	9.6
30/04/2025 04:00	0.00	1.06	19.5	23	1	0.00		1024	0.0	8.9
30/04/2025 05:00	0.00	1.06	19.5	22	2	0.00		1024	-0.1	8.4
30/04/2025 06:00	0.00	1.10	19.5	22	1	0.00		1024	-0.1	9.8
30/04/2025 07:00	0.00	1.10	19.5	23	2	0.00		1024	-0.1	11.9
30/04/2025 08:00	0.00	1.07	19.4	22	1	0.00		1024	-0.1	14.6
30/04/2025 09:00	0.00	1.10	19.4	22	1	0.00		1023	-0.1	17.6
30/04/2025 10:00	0.00	1.09	19.5	23	0	0.00		1023	-0.1	20.6
30/04/2025 11:00	0.00	1.11	19.6	23	1	0.01		1023	-0.1	22.7
30/04/2025 12:00	0.00	1.12	19.7	23	1	0.01		1023	-0.1	23.8
30/04/2025 13:00	0.00	1.12	19.8	23	1	0.00		1022	-0.3	25.4
30/04/2025 14:00	0.00	1.16	19.9	24	2	0.00		1021	-0.4	25.9
30/04/2025 15:00	0.00	1.13	20.0	24	1	0.01		1020	-0.5	26.2
30/04/2025 16:00	0.00	1.16	20.0	25	2	0.00		1020	-0.5	26.1
30/04/2025 17:00	0.00	1.18	20.1	25	2	0.00		1020	-0.4	25.8
30/04/2025 18:00	0.00	1.17	20.1	23	2	0.00		1020	-0.4	25.0
30/04/2025 19:00	0.00	1.14	20.1	26	2	0.01		1020	-0.4	23.0
30/04/2025 20:00	0.00	1.20	20.0	22	1	0.00		1020	-0.4	20.2
30/04/2025 21:00	0.00	1.19	19.9	24	3	0.00		1020	-0.3	18.6
30/04/2025 22:00	0.00	1.19	19.9	24	1	0.00		1021	0.0	18.0
30/04/2025 23:00	0.00	1.20	19.8	23	1	0.00		1021	0.1	16.5
01/05/2025 00:00	0.00	1.22	19.8	24	2	0.00		1020	0.0	15.4
01/05/2025 01:00	0.00	1.24	19.7	23	1	0.00		1020	0.0	13.8
01/05/2025 02:00	0.00	1.24	19.7	23	1	0.00		1020	0.0	12.7
01/05/2025 03:00	0.00	1.22	19.6	23	1	0.00		1019	-0.1	11.9
01/05/2025 04:00	0.00	1.25	19.6	23	1	0.00		1019	-0.1	11.2
01/05/2025 05:00	0.00	1.22	19.5	23	1	0.00		1019	-0.1	11.0
01/05/2025 06:00	0.00	1.21	19.5	23	0	0.01		1019	-0.3	12.2
01/05/2025 07:00	0.00	1.26	19.5	23	1	0.00		1018	-0.4	14.6
01/05/2025 08:00	0.00	1.22	19.5	23	1	0.00		1018	-0.3	17.6
01/05/2025 09:00	0.00	1.21	19.5	23	2	0.00		1018	-0.3	20.6
01/05/2025 10:00	0.00	1.25	19.5	23	0	0.00		1018	-0.3	23.1
01/05/2025 11:00	0.00	1.25	19.6	23	0	0.00		1017	-0.3	25.5
01/05/2025 12:00	0.00	1.26	19.7	24	1	0.00		1016	-0.4	27.0
01/05/2025 13:00	0.00	1.26	19.9	24	1	0.00		1016	-0.4	27.7
01/05/2025 14:00	0.00	1.25	19.9	24	2	0.00		1015	-0.5	27.9
01/05/2025 15:00	0.00	1.26	20.0	25	2	0.00		1015	-0.4	27.4
01/05/2025 16:00	0.00	1.29	20.0	24	2	0.00		1015	-0.4	26.7
01/05/2025 17:00	0.00	1.29	20.0	24	2	0.00		1014	-0.5	26.3
01/05/2025 18:00	0.00	1.28	20.1	25	2	0.00		1014	-0.5	25.1
01/05/2025 19:00	0.00	1.30	20.0	24	1	0.00		1014	-0.4	23.4
01/05/2025 20:00	0.10	1.33	20.0	25	1	0.00		1015	-0.1	21.5
01/05/2025 21:00	0.00	1.33	19.9	25	0	0.00		1015	-0.1	19.3
01/05/2025 22:00	0.00	1.33	19.8	24	2	0.00		1015	0.0	17.7
01/05/2025 23:00	0.00	1.36	19.8	23	1	0.00		1015	0.0	16.8
02/05/2025 00:00	0.00	1.37	19.7	24	1	0.00		1015	0.0	16.0
02/05/2025 01:00	0.00	1.38	19.7	24	1	0.00		1015	0.1	15.0
02/05/2025 02:00	0.00	1.38	19.6	24	2	0.00		1015	0.1	14.8
02/05/2025 03:00	0.00	1.36	19.6	24	1	0.00		1015	0.1	14.4
02/05/2025 04:00	0.00	1.37	19.5	23	2	0.00		1015	0.0	13.8
02/05/2025 05:00	0.00	1.39	19.5	23	1	0.00		1015	0.0	12.8
02/05/2025 06:00	0.00	1.37	19.5	23	2	0.00		1016	0.1	13.2

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
02/05/2025 07:00	0.00	1.37	19.5	23	0	0.00		1016	0.1	14.7
02/05/2025 08:00	0.00	1.39	19.5	23	0	0.01		1016	0.1	16.9
02/05/2025 09:00	0.00	1.42	19.5	23	0	0.00		1016	0.1	19.1
02/05/2025 10:00	0.00	1.38	19.6	24	2	0.00		1016	0.1	20.9
02/05/2025 11:00	0.00	1.37	19.6	24	1	0.01		1016	0.1	22.1
02/05/2025 12:00	0.00	1.38	19.7	24	1	0.00		1016	0.1	23.3
02/05/2025 13:00	0.00	1.42	19.8	24	1	0.00		1015	0.0	23.9
02/05/2025 14:00	0.00	1.43	19.9	24	2	0.00		1015	-0.1	24.1
02/05/2025 15:00	0.00	1.43	19.9	25	0	0.01		1015	-0.1	24.0
02/05/2025 16:00	0.00	1.45	20.0	24	2	0.01		1015	-0.1	23.7
02/05/2025 17:00	0.00	1.47	20.0	25	3	0.02		1015	-0.1	23.5
02/05/2025 18:00	0.00	1.44	19.9	24	2	0.01		1014	-0.3	22.5
02/05/2025 19:00	0.00	1.49	19.9	24	2	0.01		1015	-0.1	21.3
02/05/2025 20:00	0.00	1.49	19.8	24	1	0.00		1015	-0.1	19.2
02/05/2025 21:00	0.00	1.50	19.8	26	0	0.00		1015	0.0	18.1
02/05/2025 22:00	0.00	1.50	19.7	24	2	0.00		1015	0.0	16.8
02/05/2025 23:00	0.00	1.51	19.7	24	1	0.00		1016	0.1	15.4
03/05/2025 00:00	0.00	1.53	19.7	24	2	0.00		1016	0.1	14.3
03/05/2025 01:00	0.00	1.53	19.6	24	2	0.00		1016	0.1	13.2
03/05/2025 02:00	0.00	1.52	19.6	24	0	0.00		1015	0.1	12.7
03/05/2025 03:00	0.00	1.52	19.5	24	1	0.00		1015	0.0	12.1
03/05/2025 04:00	0.00	1.54	19.5	24	1	0.00		1014	-0.1	11.5
03/05/2025 05:00	0.00	1.51	19.5	24	0	0.00		1014	-0.1	11.0
03/05/2025 06:00	0.00	1.55	19.5	24	1	0.00		1014	-0.1	11.8
03/05/2025 07:00	0.00	1.54	19.4	23	1	0.00		1014	-0.3	13.4
03/05/2025 08:00	0.00	1.53	19.4	23	2	0.00		1014	-0.3	15.1
03/05/2025 09:00	0.00	1.55	19.4	23	2	0.00		1014	-0.3	15.9
03/05/2025 10:00	0.00	1.54	19.5	24	1	0.00		1013	-0.3	17.1
03/05/2025 11:00	0.00	1.54	19.5	24	1	0.00		1013	-0.3	17.9
03/05/2025 12:00	0.00	1.55	19.6	24	2	0.00		1013	-0.1	18.7
03/05/2025 13:00	0.00	1.55	19.6	24	2	0.01		1013	-0.1	18.8
03/05/2025 14:00	0.00	1.58	19.7	24	2	0.00		1013	-0.1	20.4
03/05/2025 15:00	0.00	1.59	19.7	24	2	0.00		1013	-0.1	18.1
03/05/2025 16:00	0.00	1.59	19.8	24	2	0.00		1014	0.0	17.3
03/05/2025 17:00	0.00	1.62	19.8	24	3	0.00		1014	0.0	16.7
03/05/2025 18:00	0.00	1.57	19.8	23	4	0.00		1014	0.1	15.3
03/05/2025 19:00	0.00	1.59	19.7	23	2	0.00		1015	0.3	14.2
03/05/2025 20:00	0.00	1.61	19.7	24	1	0.00		1016	0.4	13.0
03/05/2025 21:00	0.00	1.68	19.6	24	0	0.00		1017	0.5	11.7
03/05/2025 22:00	0.00	1.69	19.6	24	2	0.00		1017	0.5	10.9
03/05/2025 23:00	0.00	1.67	19.5	24	2	0.00		1018	0.6	10.0
04/05/2025 00:00	0.00	1.67	19.5	23	2	0.00		1018	0.5	9.2
04/05/2025 01:00	0.00	1.65	19.4	23	1	0.00		1018	0.5	7.7
04/05/2025 02:00	0.00	1.66	19.4	23	1	0.00		1018	0.5	7.1
04/05/2025 03:00	0.00	1.71	19.4	23	1	0.00		1019	0.5	6.6
04/05/2025 04:00	0.00	1.65	19.3	23	2	0.00		1019	0.4	6.8
04/05/2025 05:00	0.00	1.72	19.3	23	1	0.00		1019	0.3	7.2
04/05/2025 06:00	0.00	1.68	19.3	23	0	0.00		1018	0.1	7.9
04/05/2025 07:00	0.00	1.65	19.3	23	1	0.00		1019	0.1	8.9
04/05/2025 08:00	0.00	1.63	19.3	23	2	0.00		1019	0.1	10.0
04/05/2025 09:00	0.00	1.67	19.3	23	1	0.00		1019	0.1	10.0
04/05/2025 10:00	0.00	1.65	19.3	23	0	0.00		1019	0.1	12.3
04/05/2025 11:00	0.00	1.66	19.4	23	1	0.00		1019	0.0	12.8
04/05/2025 12:00	0.00	1.67	19.4	23	1	0.00		1019	0.0	13.7
04/05/2025 13:00	0.00	1.71	19.5	23	1	0.00		1019	0.0	14.3
04/05/2025 14:00	0.00	1.70	19.6	23	1	0.00		1019	0.1	13.9
04/05/2025 15:00	0.00	1.72	19.6	23	1	0.01		1019	0.0	13.7
04/05/2025 16:00	0.00	1.74	19.6	24	1	0.00		1019	0.0	12.6
04/05/2025 17:00	0.00	1.72	19.6	23	1	0.00		1019	0.0	12.7
04/05/2025 18:00	0.00	1.72	19.6	24	2	0.01		1019	0.0	11.5
04/05/2025 19:00	0.00	1.72	19.6	24	1	0.00		1020	0.1	11.0
04/05/2025 20:00	0.00	1.75	19.5	23	2	0.00		1020	0.1	10.1
04/05/2025 21:00	0.00	1.74	19.5	23	2	0.00		1021	0.3	8.7
04/05/2025 22:00	0.00	1.74	19.5	23	3	0.01		1021	0.3	8.1
04/05/2025 23:00	0.00	1.73	19.4	23	1	0.01		1021	0.3	7.5
05/05/2025 00:00	0.00	1.71	19.4	23	2	0.02		1021	0.3	7.0
05/05/2025 01:00	0.00	1.74	19.4	23	1	0.01		1022	0.4	5.5
05/05/2025 02:00	0.00	1.71	19.3	23	2	0.01		1021	0.3	5.0
05/05/2025 03:00	0.00	1.70	19.3	23	1	0.00		1021	0.1	4.6
05/05/2025 04:00	0.10	1.68	19.3	22	0	0.00		1021	0.1	4.3
05/05/2025 05:00	0.00	1.70	19.3	23	0	0.00		1022	0.1	4.4
05/05/2025 06:00	0.00	1.67	19.3	23	1	0.00		1021	0.0	5.7
05/05/2025 07:00	0.00	1.71	19.2	22	0	0.00		1022	0.1	7.0
05/05/2025 08:00	0.00	1.71	19.2	22	0	0.00		1021	0.0	7.7
05/05/2025 09:00	0.10	1.68	19.3	22	0	0.00		1021	-0.1	9.2
05/05/2025 10:00	0.00	1.71	19.3	23	1	0.00		1021	0.0	11.5
05/05/2025 11:00	0.00	1.70	19.3	23	1	0.00		1021	0.0	12.4
05/05/2025 12:00	0.00	1.72	19.4	23	0	0.00		1021	0.0	13.5
05/05/2025 13:00	0.00	1.71	19.4	23	2	0.00		1022	0.0	13.2
05/05/2025 14:00	0.00	1.72	19.4	23	2	0.00		1022	0.1	13.1
05/05/2025 15:00	0.00	1.75	19.4	23	0	0.00		1022	0.0	13.4

Date and Time	CH_4	CO_2	O_2	CO	H_2S	Flow		Atmospheric Pressure	Average 8-hour atmospheric pressure change	Temperature
	% v/v	% v/v	% v/v	ppm/v	ppm/v	Ltr/hr		mbar	mbar	°C
05/05/2025 16:00	0.00	1.71	19.4	23	1	0.00		1022	0.1	13.4
05/05/2025 17:00	0.00	1.75	19.4	23	0	0.00		1022	0.1	13.5
05/05/2025 18:00	0.00	1.71	19.5	23	1	0.00		1022	0.1	12.7
05/05/2025 19:00	0.00	1.74	19.5	23	1	0.00		1023	0.3	11.9
05/05/2025 20:00	0.00	1.74	19.5	23	1	0.01		1024	0.4	11.1
05/05/2025 21:00	0.00	1.76	19.5	23	1	0.00		1025	0.4	10.3
05/05/2025 22:00	0.00	1.77	19.4	23	2	0.00		1025	0.4	9.4
05/05/2025 23:00	0.00	1.77	19.4	22	1	0.00		1025	0.4	9.3
06/05/2025 00:00	0.10	1.78	19.4	23	1	0.00		1025	0.4	8.6
06/05/2025 01:00	0.00	1.70	19.3	22	1	0.00		1025	0.4	6.7
06/05/2025 02:00	0.00	1.77	19.3	22	1	0.00		1025	0.4	5.9
06/05/2025 03:00	0.00	1.74	19.3	22	2	0.00		1025	0.3	5.3
06/05/2025 04:00	0.00	1.70	19.3	22	1	0.00		1025	0.1	5.5
06/05/2025 05:00	0.00	1.72	19.3	22	0	0.00		1025	0.0	5.6
06/05/2025 06:00	0.00	1.71	19.3	22	0	0.00		1025	0.0	6.7
06/05/2025 07:00	0.10	1.72	19.2	22	0	0.00		1026	0.1	8.1
06/05/2025 08:00	0.10	1.75	19.2	22	2	0.00		1026	0.1	9.7
06/05/2025 09:00	0.00	1.75	19.3	22	1	0.00		1026	0.1	10.2
06/05/2025 10:00	0.10	1.75	19.3	22	1	0.00		1026	0.1	10.4
06/05/2025 11:00	0.00	1.71	19.4	22	1	0.00		1026	0.1	11.2
06/05/2025 12:00	0.00	1.74	19.4	22	2	0.00		1025	0.0	12.5
06/05/2025 13:00	0.00	1.78	19.4	22	1	0.00		1025	0.0	14.0
06/05/2025 14:00	0.00	1.78	19.5	22	1	0.00		1024	-0.1	14.8
06/05/2025 15:00	0.00	1.79	19.5	23	2	0.00		1024	-0.3	15.3
06/05/2025 16:00	0.10	1.77	19.6	23	1	0.00		1024	-0.3	15.0
06/05/2025 17:00	0.00	1.83	19.7	23	1	0.00		1025	-0.1	14.3
06/05/2025 18:00	0.00	1.81	19.7	23	2	0.00		1025	-0.1	13.4
06/05/2025 19:00	0.00	1.82	19.7	23	0	0.00		1025	-0.1	12.6
06/05/2025 20:00	0.00	1.78	19.7	23	1	0.00		1025	0.0	11.7
06/05/2025 21:00	0.00	1.77	19.6	23	1	0.00		1026	0.1	11.0
06/05/2025 22:00	0.00	1.82	19.6	23	3	0.01		1025	0.1	9.8
06/05/2025 23:00	0.00	1.78	19.5	23	1	0.00		1025	0.1	9.0
07/05/2025 00:00	0.00	1.78	19.5	22	0	0.00		1025	0.1	8.2
07/05/2025 01:00	0.00	1.75	19.4	22	1	0.01		1025	0.0	7.1
07/05/2025 02:00	0.10	1.75	19.4	22	1	0.00		1025	0.0	6.6
07/05/2025 03:00	0.10	1.74	19.4	22	2	0.00		1025	0.0	5.9
07/05/2025 04:00	0.00	1.75	19.4	22	2	0.00		1025	0.0	5.4
07/05/2025 05:00	0.00	1.77	19.3	22	1	0.01		1025	-0.1	5.3
07/05/2025 06:00	0.10	1.75	19.3	22	0	0.01		1025	0.0	6.5
07/05/2025 07:00	0.10	1.70	19.3	22	2	0.02		1025	0.0	8.6
07/05/2025 08:00	0.10	1.75	19.3	22	1	0.01		1025	0.0	10.6
07/05/2025 09:00	0.00	1.72	19.3	22	0	0.01		1025	0.0	12.1
07/05/2025 10:00	0.10	1.79	19.4	22	1	0.00		1024	-0.1	13.8
07/05/2025 11:00	0.10	1.77	19.5	22	1	0.00		1024	-0.1	15.2
07/05/2025 12:00	0.10	1.79	19.6	22	1	0.00		1023	-0.3	15.7
07/05/2025 13:00	0.00	1.79	19.6	23	1	0.00		1023	-0.3	16.5
07/05/2025 14:00	0.10	1.83	19.7	23	1	0.00		1022	-0.4	17.3

Appendix E

Calibration Certificates

Experts in Continuous Monitoring

CALIBRATION CERTIFICATE:

Certificate ref.	GSCAL00421
Issued By:	**VA**
Date:	09/07/2024
Staff No.	-
Instrument:	03000067

Calibration Results			
Sensor	**Lot No.**	**Ref. value**	**Indicated value**
Carbon monoxide	C24438	42	44.31
Hydrogen sulphide	C22238	124	124.40
Methane	C322626	59.04	60.09
Carbon dioxide High	C322626	40.96	38.47
Carbon dioxide Low	C322726	1.98	1.89
Carbon dioxide Low ppm	C24338	503	488.83
Isobutylene ppb	C322826	-	-
Oxygen	C24438	0	0

Comments:

Prior to calibration the sensors were allowed to stabilise in ambient air for 1 hour.

The Instrument was calibrated by exposing the sensors to known values of gas concentrations.

The reference values are those generated by the certified source and indicated values are those measured by the Gas Sentinel.

Uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2

This provides a level of confidence of uncertainty of approximately 95%

Ambient conditions	
Temperature	21.45
Relative Humidity	64.2

CALIBRATION CERTIFICATE:

Certificate ref.	GSC6020250402
Issued By:	**Thomas Fairey**
Date:	02/04/2025
Staff No.	-
Instrument:	03000060

Calibration Results			
Sensor	**Lot No.**	**Ref. value**	**Indicated value**
Carbon monoxide	C24438	42	40.18
Hydrogen sulphide	C22238	124	115.52
Methane	C322626	59.33	59.96
Carbon dioxide High	C322626	40.67	41.44
Carbon dioxide Low	C322726	1.98	1.99
Carbon dioxide Low ppm	C24338	511	473.21
Isobutylene ppb	C322826	-	-
Oxygen	C24438	0	-0.06

Comments:

Prior to calibration the sensors were allowed to stabilise in ambient air for 1 hour.
The Instrument was calibrated by exposing the sensors to known values of gas concentrations.
The reference values are those generated by the certified source and indicated values are those measured by the Gas Sentinel.
Uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2
This provides a level of confidence of uncertainty of approximately 95%

Ambient conditions	
Temperature	19.6
Relative Humidity	37.0

TEST DATE AND CONDITIONS		
Date	12/11/2024	
Atmospheric Pressure	1020	mB
Ambient Temperature	21.5	°C
Environics Serial No.	5089	

GAS DATA LTD
Unit D
Earlplace Business Park
Fletchamstead Highway
Coventry
CV4 9XL
Tel 02476303311 Fax 02476307711

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GFM430 Final Inspection & Calibration Check Certificate

Customer	Ground Gas Solutions Ltd
Certificate Number	125679
Order Number	340216

Serial Number	10356
Software Version	G430-00.0024/0013

Recalibration DUE Date
12/11/25

Instrument Checks					
Keyboard	✓		Display Contrast	✓	
Pump Flow In	450	*Accept > 200 cc/min*	Pump Flow @ -200mB	250	*Accept > 200 cc/min*
Clock Set / Running	✓		Labels Fitted	✓	

Gas Checks						
	CH_4		CO_2		O_2	
	Instrument Gas Readings %	True Gas Value %	Instrument Gas Readings %	True Gas Value %	Instrument Gas Readings %	True Gas Value %
Sensor	60.7	60	39.9	40	20.9	20.9
	Accept ±3.0		*Accept ±3.0*		*Accept ±0.5*	
	5.0	5	5.0	5	6.0	6
	Accept ±0.3		*Accept ±0.3*		*Accept ±0.3*	
Zero Reading 100% N2	0.0	0	0.0	0	0.0	0
	Accept ±0.0		*Accept ±0.0*		*Accept ±0.1*	

Optional Gas Checks						
Applied Gas & Range		Concentration Tested @ (ppm)	Instrument Readings *(ppm)*			
Toxic Gas	Range *(ppm)*		Zero Reading		Instrument Gas Reading	
H2S	2000	*1500*	0	*Accept ±0.0*	1502	*Accept ±5.0%*
CO	2000	*1000*	0	*Accept ±0.0*	1001	*Accept ±5.0%*

Cross Gas Effects									
Applied Gas *(ppm)*		Instrument Readings *(ppm)*							
Toxic Gas	Concentration	Toxic 1:	H2S	Toxic 2:	CO	Toxic 3:			
H2S	*1500*	1500		0					
CO	*1000*	61		1001					

Pressure Checks						
Atmospheric Pressure [AP] *(mB)*				Static Pressure [SP] *(mB)*		
Current Atmospheric Pressure *(mB)*	Instrument Atmospheric Pressure Reading *(mB)*			Applied Pressure *(mB)*	Instrument Pressure *(mB)*	
All Ports	*Open Ports*	1020	*Accept ±2.0*	*0.0mB*	N/A	*Accept ±0.0*
AP Port (Internal)	*+800 mB*	800	*Accept ±5.0*	*+50mB*	*N/A*	*Accept ±2.0*
AP Port (Internal)	*+1200mb*	1200	*Accept ±5.0*	*-100mB*	*N/A*	*Accept ±2.0*

Flow Checks					
Borehole Flow			Differential Pressure		
Applied Reading *(l/h)*	Instrument Reading *(l/h)*		Applied Pressure *(Pa)*	Instrument Reading *(Pa)*	
-30	-30.4	*Accept ±3.0*	-278	-285	*Accept ±50*
-3	-3.0	*Accept ±1.0*	-13	-13	*Accept ±6.0*
0	0.0	*Accept ±0.0*	0	0	*Accept ±0.5*
3	3.0	*Accept ±0.5*	14	13	*Accept ±3.0*
30	30.4	*Accept ±3.0*	301	305	*Accept ±50*
60	60.6	*Accept ±6.0*	915	921	*Accept ±130*
90	91.3	*Accept ±9.0*	1809	1870	*Accept ±250*

Temperature Checks		
Calibration Temperature Applied Temperature ^{0}C	Instrument Temperature Reading ^{0}C	
-10	-10.0	*Accept ±2.0*
0	0.0	*Accept ±1.0*
30	30.0	*Accept ±1.0*
60	60.0	*Accept ±1.0*
100	100.0	*Accept ±1.0*

Technician:	Date Tested:
Jack Rutland	*12/11/2024*

The instrument identified by the serial number stated above has been tested by Gas Data personnel for calibration accuracy on the date and under the ambient conditions stated. Gas Data Ltd internal BS EN ISO9001:2015, BS EN ISO14001:2015, BS EN ISO45001:2018 compliant workshop procedures were followed to apply known calibration test gases, gas flow rates, pressures and temperatures of the values stated. The results displayed on the instrument at each stage are recorded above.

Gas Data Ltd is certified to BS EN ISO9001:2015, BS EN ISO14001:2015, BS EN ISO45001:2018.

TEST DATE AND CONDITIONS		
Date	12 . 11 . 24	
Atmospheric Pressure	1020	mB
Ambient Temperature	21.5	°C
Environics Serial No.	5089	

GAS DATA LTD
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Fletchamstead Highway
Coventry
CV4 9XL
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GAS DATA
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GFM430 -1 OUTWARD INSPECTION & QUALITY CHECK SHEET

INSTRUMENT DETAILS			
SO Number	Instrument Type	Instrument Serial Number + SW Version	Job Number(s)
340216	GFM430	10356 G430-24/13	125679

Calibration Technician ..... **Date** ...12.11.24...

Inspection Technician ..... **Date** ...13.11.24...

INSTRUMENT CHECKS			Pass (P), Fail (F) or not applicable (NA)	INSTRUMENT PACKING LIST		Tick if included
Function Tests	Dust Caps Fitted		P	Instrument		✓
	Keyboard Test (All Keys)		P	Leather Case		✓
	Backlight		P	Instrument Strap		✓
	Clock Set / Running		P	AC Battery Charger (UK)		✓
	Comms Test		P	AC Battery Charger (EURO)		X
	Pump Flow Test (In & Out)		P	AC Battery Charger (US)		X
	Overall Leak Test (30mB)		n/a	AC Battery Charger (AUS)		X
	Battery Charge Test		P	Hard Carry Case		✓
	Service Date set to?		12.11.25	Gas Sample Tube – *(new issue)*		✓
Channel Test	Data Logging Enabled?		P	Flow Sample Tube – *(new issue)*		✓
	Verify CH4/LEL		P	Spares Pot		✓
	Verify CO2		P	Allen Key		X
	Verify O2		P	Temperature Probe		X
	Verify LEL		P	Vane Anemometer		X
	Verify 1st Option Gas	H2S	P	USB Cable		X
	Verify 2nd Option Gas	CO	P	USB Memory stick		X
	Verify 3rd Option Gas		N/A	SiteMan Software	Ver 4.15	X
	Verify 4th Option Gas		N/A	Internal Filter Pack	Qty	X
	Verify Atmospheric pressure		P	External Filter Pack	Qty	X
	Verify static pressure		N/A	Field Guide		X
	Verify differential pressure		P	Operation Manual (hard copy)		X
	Verify flow		P	**Extra Items:**		
	Verify temperature probe input		P	Sample Tube		
	Verify vane anemometer input		P			
DataBase Checks	Jobcard(s) completed and signed		P			
	Jobcard(s) booked off database		P			
	Calibration certificate completed		P			
	Complete & print QI record		n/a	**Comments:**		
Label Checks	No. of Calibration label fitted		GDC 13607			
	Warranty label fitted		P			
H2S Range	H2S Range from Sales Order		2000 ppm			
	H2S Range from Cal Cert		2000 ppm			
	Over-range value correct?		P			
QA Cylinders Used	No. of High Range CH4/CO2		57487			
	No. of Low Range CH4/CO2/O2		56840			
	No. of H2S		C037292			
	No. of CO		56836			
	No. of Optional Cylinder		N/A			
	No. of Optional Cylinder		N/A			

Appendix F

Gas Sentinel® Instrumentation Overview & Deployment Information

For: Ground & Water Ltd
Ref No.: GGS3988DP01
Date: 21/05/2025

Experts in Continuous Monitoring

GGS Gas Sentinel® Instrumentation Overview & Deployment Information

Experts in Continuous Monitoring

Introduction

GGS Gas Sentinel® is a transportable, continuous, multi-gas analyser; with 2-way telemetry capability. It is easy to use for both short term and long term monitoring of landfill, contaminated land and existing buildings. Versatile remote data acquisition through an intuitive dashboard provides cost effective regulatory compliance. The equipment is designed to be ATEX* and IP68* rated and can operate safely in explosive atmospheres and survive flooding environments (*awaiting certification).

GGS Gas Sentinel® devices can be configured to carry an extended range of gas sensors but is normally available to monitor methane, carbon dioxide, oxygen, TVOC, hydrogen sulphide and carbon monoxide. Sensors for both full range and high resolution 0-5% methane and 0-2,000ppm carbon dioxide are available. The device also records atmospheric pressure, borehole pressure and temperature and borehole gas flow as standard.

GGS can also provide high frequency water level logging in conjunction with Gas Sentinel deployments

Gas Sentinel® Sensor Specifications, Service and Maintenance

The GGS instruments are serviced and calibrated annually. Routine maintenance including the replacement of filters and operational checks are carried out at regular intervals and prior to deployment at a site. Copies of the calibration certificates for the instruments used on site are included as standard within reporting. Details of the sensor specification are provided below:

Sensor	Method / Type	Range	Resolution & Tolerance
Methane (0-100%)	Infrared	0 - 100%v/v	0.1% v/v 2%FSD or ± 10% of reading whichever is the greatest
Methane (0-5%) High Resolution	Infrared	0-5%v/v	0.01% v/v or 2%FSD or ± 10% of reading whichever is the greatest
Carbon Dioxide (0-100%)	Infrared	0 - 100%v/v	0.1% v/v or 2%FSD or ± 10% of reading whichever is the greatest
Carbon Dioxide (0-2,000ppm) High Resolution	Infrared	0-2,000ppmv	10ppm or 2%FSD or ± 10% of reading whichever is the greatest
Oxygen	Electrochemical	0 - 25%v/v	0.1% v/v or ± 10% of reading whichever is the greatest
Hydrogen Sulphide	Electrochemical	0 - 100ppmv	1ppm ±4ppm or ± 10% of reading whichever is the greatest
Carbon Monoxide	Electrochemical	0 – 1,000ppmv	1ppm ±6ppm or ± 10% of reading whichever is the greatest
Total Volatile Organic Compounds	PID	0 – 4,000ppmv	1ppm ±10ppm or ± 10% of reading whichever is the greatest
Atmospheric Pressure	Piezoelectric	800 – 1,200mb	±1mbar
Borehole Pressure	Piezoelectric	800 – 1,200mb	±1mbar
Temperature	Internal chip	-5°C to +50°C	0.1°C ±0.5°C of reading
Humidity	Capacitive Internal chip	0-100%RH	1%RH ±1.8%RH
Gas Flow	Thermal sensor	0–60 Ltr/hr	0.1ltr/hr ±0.1ltr/hr or 10% of reading whichever is the greatest

The GGS Gas Sentinel® is powered by re-chargeable batteries that can provide 4 weeks to several months depending on how many sensors are switched on and the frequency of monitoring. Please discuss your requirements with GGS for the optimum configuration for your site.

Deployment Requirements (IMPORTANT)

The GGS Gas Sentinel® is designed for deployment with standard 50mm installation standpipes but can be used with both larger and smaller diameter standpipes. Secure headworks with sufficient clearance are required for the Gas Sentinel®. GGS recommends a 10 inch diameter flush fit. A minimum 250 mm clearance is required from the top of the 50mm standpipe to the underside of the cover. GGS recommends a minimum distance of 0.25m between the top of the standpipe and standing water level to allow gas sampling. The device is also easily fitted to either inside or to the outside of buildings. Other bespoke deployment options are available. Please contact GGS to discuss options.

Gas Sentinel® Insurance

GGS can provide insurance to cover instruments against theft from site or acts of vandalism.

Ground-Gas Solutions Ltd (Trading as GGS) Pythia House (Unit 10), Bamford Business Park, Hibbert Street, Stockport SK4 1PL
Telephone: 0161 232 7465 **E-mail:** info@ggs-uk.com **Web:** www.ggs-uk.com
Managing Director: Simon Talbot BSc FGS Ceng MIMMM. Company Registration No. 6842311 Registered Office: The Copper Room, Deva Centre, Trinity Wall, M3 7BG

APPENDIX J: Waste Hazard Assessment

2 The Long Barn, Norton Farm, Selborne Road, Alton, Hampshire GU34 3NB
0333 600 1221 enquiries@groundandwater.co.uk **groundandwater.co.uk**

Registered Office: Kineton House, 31 Horse Fair, Banbury, Oxfordshire OX16 0AE Registered in England No. 07032001

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

LID1M-3KHLY-M6RQW

Report is invalid if pages are removed.

Job name

GWPR6540

Description/Comments

Project

GWPR6540

Site

220 Elgar Road South, Reading, RG2 0BW

Classified by

Name:
Natasha Kearl
Date:
14 May 2025 10:41 GMT
Telephone:
01420 463047

Company:
Ground and Water
2 The Long Barn, Norton Farm, Selborne Road
Alton
GU34 3NB

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:	-
Course	**Date**
Hazardous Waste Classification	-

Purpose of classification

2 - Material Characterisation

Address of the waste

220 Elgar Road South, Reading, RG2 0BW **Post Code** RG2 0BW

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Redevelopment of disused building to residential

Description of the specific process, sub-process and/or activity that created the waste

Waste created during foundation excavations and remediation

Description of the waste

MADE GROUND: Dark brown and black gravelly fine to medium SAND. Gravel is sub-angular to sub-rounded, fine to coarse, brick, ash, chalk and concrete.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH1--03042025-0.20		Non Hazardous		3
2	BH1--03042025-0.80		Non Hazardous		6
3	BH2--04042025-0.50		Non Hazardous		8
4	WS3--07042025-0.20		Non Hazardous		10
5	WS1--07042025-0.20		Non Hazardous		13
6	WS4A--07042025-0.20		Non Hazardous		15

Related documents

#	Name	Description
1	25-018315_HWOL.hwol	i2 Analytical .hwol file used to populate the Job

Report

Created by: Natasha Kearl

Created date: 14 May 2025 10:41 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	18
Appendix B: Rationale for selection of metal species	19
Appendix C: Version	20

Classification of sample: BH1--03042025-0.20

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
BH1--03042025-0.20
Moisture content:
11%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
4		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
6		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
7		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		**<LOD**
8		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		**<LOD**
9		boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.7	mg/kg	23.173	35.061	mg/kg	0.00351 %	✓	
10		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		11	mg/kg		9.79	mg/kg	0.000979 %	✓	
11		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3	mg/kg	1.285	0.343	mg/kg	0.0000267 %	✓	
12		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20	mg/kg	1.126	20.041	mg/kg	0.002 %	✓	
13		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		0.7	mg/kg		0.623	mg/kg	0.0000623 %	✓	
14		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15	mg/kg	1.579	21.086	mg/kg	0.00211 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	27	mg/kg	1.56	37.482	mg/kg	0.0024 %	✓	
16		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		38	mg/kg	1.785	60.375	mg/kg	0.00604 %	✓	
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		57	mg/kg	2.469	125.267	mg/kg	0.0125 %	✓	
19		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		0.021	mg/kg		0.0187	mg/kg	0.00000187 %	✓	
20		pH			PH		9.1	pH		9.1	pH	9.1 pH		
21		acenaphthylene		205-917-1	208-96-8		0.15	mg/kg		0.134	mg/kg	0.0000134 %	✓	
22		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
23		anthracene		204-371-1	120-12-7		0.36	mg/kg		0.32	mg/kg	0.000032 %	✓	
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.42	mg/kg		0.374	mg/kg	0.0000374 %	✓	
25		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.9	mg/kg		1.691	mg/kg	0.000169 %	✓	
26		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.16	mg/kg		0.142	mg/kg	0.0000142 %	✓	
27		benzo[ghi]perylene		205-883-8	191-24-2		14	mg/kg		12.46	mg/kg	0.00125 %	✓	
28		chrysene	601-048-00-0	205-923-4	218-01-9		0.44	mg/kg		0.392	mg/kg	0.0000392 %	✓	
29		coronene		205-881-7	191-07-1		8.8	mg/kg		7.832	mg/kg	0.000783 %	✓	
30		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		2.6	mg/kg		2.314	mg/kg	0.000231 %	✓	
31		fluoranthene		205-912-4	206-44-0		0.73	mg/kg		0.65	mg/kg	0.000065 %	✓	
32		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
33		indeno[123-cd]pyrene		205-893-2	193-39-5		11	mg/kg		9.79	mg/kg	0.000979 %	✓	
34		naphthalene	601-052-00-2	202-049-5	91-20-3		0.05	mg/kg		0.0445	mg/kg	0.00000445 %	✓	
35		phenanthrene		201-581-5	85-01-8		0.22	mg/kg		0.196	mg/kg	0.0000196 %	✓	
36		pyrene		204-927-3	129-00-0		0.74	mg/kg		0.659	mg/kg	0.0000659 %	✓	
37		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.93	mg/kg		0.828	mg/kg	0.0000828 %	✓	
38		TPH (C6 to C40) petroleum group			TPH		840	mg/kg		747.6	mg/kg	0.0748 %	✓	
39		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		27	mg/kg	1.462	39.462	mg/kg	0.00395 %		
											Total:	0.112 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Most likely worst case.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0748%)

Classification of sample: BH1--03042025-0.80

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
BH1--03042025-0.80
Moisture content:
12%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
2		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		**<LOD**
4		boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		2.7	mg/kg	23.173	55.059	mg/kg	0.00551 %	✓	
5		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		7.7	mg/kg		6.776	mg/kg	0.000678 %	✓	
6		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		**<LOD**
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13	mg/kg	1.126	12.88	mg/kg	0.00129 %	✓	
8		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		**<LOD**
9		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15	mg/kg	1.579	20.849	mg/kg	0.00208 %	✓	
10		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	20	mg/kg	1.56	27.453	mg/kg	0.00176 %	✓	
11		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		28	mg/kg	1.785	43.987	mg/kg	0.0044 %	✓	
13		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		39	mg/kg	2.469	84.746	mg/kg	0.00847 %	✓	
14		pH			PH		8.6	pH		8.6	pH	8.6 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15	•	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
16	•	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
17	•	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
18		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.1	mg/kg		0.088	mg/kg	0.0000088 %	✓	
19		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.11	mg/kg		0.0968	mg/kg	0.00000968 %	✓	
20		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.07	mg/kg		0.0616	mg/kg	0.00000616 %	✓	
21	•	benzo[ghi]perylene		205-883-8	191-24-2		0.09	mg/kg		0.0792	mg/kg	0.00000792 %	✓	
22		chrysene	601-048-00-0	205-923-4	218-01-9		0.12	mg/kg		0.106	mg/kg	0.0000106 %	✓	
23		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
24	•	fluoranthene		205-912-4	206-44-0		0.22	mg/kg		0.194	mg/kg	0.0000194 %	✓	
25	•	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
26	•	indeno[123-cd]pyrene		205-893-2	193-39-5		0.07	mg/kg		0.0616	mg/kg	0.00000616 %	✓	
27		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
28	•	phenanthrene		201-581-5	85-01-8		0.15	mg/kg		0.132	mg/kg	0.0000132 %	✓	
29	•	pyrene		204-927-3	129-00-0		0.19	mg/kg		0.167	mg/kg	0.0000167 %	✓	
30		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.13	mg/kg		0.114	mg/kg	0.0000114 %	✓	
31		chromium in chromium(III) compounds { • chromium(III) oxide }		215-160-9	1308-38-9		18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
											Total:	0.0269 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH2--04042025-0.50

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
BH2--04042025-0.50
Moisture content:
13%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
2		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		**<LOD**
4		boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		3.2	mg/kg	23.173	64.514	mg/kg	0.00645 %	✓	
5		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		11	mg/kg		9.57	mg/kg	0.000957 %	✓	
6		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4	mg/kg	1.285	0.447	mg/kg	0.0000348 %	✓	
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		61	mg/kg	1.126	59.751	mg/kg	0.00598 %	✓	
8		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		0.6	mg/kg		0.522	mg/kg	0.0000522 %	✓	
9		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		25	mg/kg	1.579	34.354	mg/kg	0.00344 %	✓	
10		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	82	mg/kg	1.56	111.277	mg/kg	0.00713 %	✓	
11		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		1.3	mg/kg		1.131	mg/kg	0.000113 %	✓	
12		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		41	mg/kg	1.785	63.678	mg/kg	0.00637 %	✓	
13		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		200	mg/kg	2.469	429.658	mg/kg	0.043 %	✓	
14		pH			PH		8.4	pH		8.4	pH	8.4 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		acenaphthylene		205-917-1	208-96-8		2.1	mg/kg		1.827	mg/kg	0.000183 %	✓	
16		acenaphthene		201-469-6	83-32-9		0.19	mg/kg		0.165	mg/kg	0.0000165 %	✓	
17		anthracene		204-371-1	120-12-7		1.7	mg/kg		1.479	mg/kg	0.000148 %	✓	
18		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		9.4	mg/kg		8.178	mg/kg	0.000818 %	✓	
19		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		12	mg/kg		10.44	mg/kg	0.00104 %	✓	
20		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		6.8	mg/kg		5.916	mg/kg	0.000592 %	✓	
21		benzo[ghi]perylene		205-883-8	191-24-2		6.9	mg/kg		6.003	mg/kg	0.0006 %	✓	
22		chrysene	601-048-00-0	205-923-4	218-01-9		11	mg/kg		9.57	mg/kg	0.000957 %	✓	
23		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.6	mg/kg		1.392	mg/kg	0.000139 %	✓	
24		fluoranthene		205-912-4	206-44-0		16	mg/kg		13.92	mg/kg	0.00139 %	✓	
25		fluorene		201-695-5	86-73-7		0.31	mg/kg		0.27	mg/kg	0.000027 %	✓	
26		indeno[123-cd]pyrene		205-893-2	193-39-5		6.1	mg/kg		5.307	mg/kg	0.000531 %	✓	
27		naphthalene	601-052-00-2	202-049-5	91-20-3		0.33	mg/kg		0.287	mg/kg	0.0000287 %	✓	
28		phenanthrene		201-581-5	85-01-8		4.5	mg/kg		3.915	mg/kg	0.000392 %	✓	
29		pyrene		204-927-3	129-00-0		14	mg/kg		12.18	mg/kg	0.00122 %	✓	
30		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		14	mg/kg		12.18	mg/kg	0.00122 %	✓	
31		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
											Total:	0.0857 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS3--07042025-0.20

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS3--07042025-0.20
Moisture content:
6.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.8% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
4		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
7		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
8		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
9		boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		0.8	mg/kg	23.173	17.278	mg/kg	0.00173 %	✓	
10		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		4.5	mg/kg		4.194	mg/kg	0.000419 %	✓	
11		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
12		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12	mg/kg	1.126	12.592	mg/kg	0.00126 %	✓	
13		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
14		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.3	mg/kg	1.579	13.69	mg/kg	0.00137 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	21	mg/kg	1.56	30.529	mg/kg	0.00196 %	✓	
16		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		14	mg/kg	1.785	23.293	mg/kg	0.00233 %	✓	
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		48	mg/kg	2.469	110.466	mg/kg	0.011 %	✓	
19		pH			PH		8.7	pH		8.7	pH	8.7 pH		
20		acenaphthylene		205-917-1	208-96-8		0.06	mg/kg		0.0559	mg/kg	0.00000559 %	✓	
21		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
22		anthracene		204-371-1	120-12-7		0.06	mg/kg		0.0559	mg/kg	0.00000559 %	✓	
23		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.4	mg/kg		0.373	mg/kg	0.0000373 %	✓	
24		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.48	mg/kg		0.447	mg/kg	0.0000447 %	✓	
25		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.31	mg/kg		0.289	mg/kg	0.0000289 %	✓	
26		benzo[ghi]perylene		205-883-8	191-24-2		0.4	mg/kg		0.373	mg/kg	0.0000373 %	✓	
27		chrysene	601-048-00-0	205-923-4	218-01-9		0.49	mg/kg		0.457	mg/kg	0.0000457 %	✓	
28		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.06	mg/kg		0.0559	mg/kg	0.00000559 %	✓	
29		fluoranthene		205-912-4	206-44-0		0.76	mg/kg		0.708	mg/kg	0.0000708 %	✓	
30		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
31		indeno[123-cd]pyrene		205-893-2	193-39-5		0.32	mg/kg		0.298	mg/kg	0.0000298 %	✓	
32		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
33		phenanthrene		201-581-5	85-01-8		0.35	mg/kg		0.326	mg/kg	0.0000326 %	✓	
34		pyrene		204-927-3	129-00-0		0.67	mg/kg		0.624	mg/kg	0.0000624 %	✓	
35		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.58	mg/kg		0.541	mg/kg	0.0000541 %	✓	
36		TPH (C6 to C40) petroleum group			TPH		15	mg/kg		13.98	mg/kg	0.0014 %	✓	
37		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		8	mg/kg	1.462	11.692	mg/kg	0.00117 %		
											Total:	0.0231 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Most likely worst case.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0014%)

Classification of sample: WS1--07042025-0.20

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS1--07042025-0.20
Moisture content:
5.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.9% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
2		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		**<LOD**
4		boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		0.9	mg/kg	23.173	19.625	mg/kg	0.00196 %	✓	
5		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		6.1	mg/kg		5.74	mg/kg	0.000574 %	✓	
6		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		**<LOD**
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12	mg/kg	1.126	12.714	mg/kg	0.00127 %	✓	
8		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		**<LOD**
9		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.2	mg/kg	1.579	13.674	mg/kg	0.00137 %	✓	
10		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	24	mg/kg	1.56	35.227	mg/kg	0.00226 %	✓	
11		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		20	mg/kg	1.785	33.597	mg/kg	0.00336 %	✓	
13		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		38	mg/kg	2.469	88.297	mg/kg	0.00883 %	✓	
14		pH			PH		10.1	pH		10.1	pH	10.1 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		acenaphthylene	205-917-1	208-96-8		0.09	mg/kg		0.0847	mg/kg	0.00000847 %	✓	
16		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
17		anthracene	204-371-1	120-12-7		0.16	mg/kg		0.151	mg/kg	0.0000151 %	✓	
18		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.71	mg/kg		0.668	mg/kg	0.0000668 %	✓	
19		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.78	mg/kg		0.734	mg/kg	0.0000734 %	✓	
20		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.32	mg/kg		0.301	mg/kg	0.0000301 %	✓	
21		benzo[ghi]perylene	205-883-8	191-24-2		0.57	mg/kg		0.536	mg/kg	0.0000536 %	✓	
22		chrysene	601-048-00-0	205-923-4	218-01-9	0.82	mg/kg		0.772	mg/kg	0.0000772 %	✓	
23		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.09	mg/kg		0.0847	mg/kg	0.00000847 %	✓	
24		fluoranthene	205-912-4	206-44-0		1.6	mg/kg		1.506	mg/kg	0.000151 %	✓	
25		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
26		indeno[123-cd]pyrene	205-893-2	193-39-5		0.45	mg/kg		0.423	mg/kg	0.0000423 %	✓	
27		naphthalene	601-052-00-2	202-049-5	91-20-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
28		phenanthrene	201-581-5	85-01-8		0.83	mg/kg		0.781	mg/kg	0.0000781 %	✓	
29		pyrene	204-927-3	129-00-0		1.4	mg/kg		1.317	mg/kg	0.000132 %	✓	
30		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1	mg/kg		0.941	mg/kg	0.0000941 %	✓	
31		chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
										Total:	0.0221 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS4A--07042025-0.20

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS4A--07042025-0.20
Moisture content:
12%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
4		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
6		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
7		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		**<LOD**
8		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		**<LOD**
9		boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.3	mg/kg	23.173	26.51	mg/kg	0.00265 %	✓	
10		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		15	mg/kg		13.2	mg/kg	0.00132 %	✓	
11		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		**<LOD**
12		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21	mg/kg	1.126	20.806	mg/kg	0.00208 %	✓	
13		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		**<LOD**
14		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		29	mg/kg	1.579	40.309	mg/kg	0.00403 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	35	mg/kg	1.56	48.042	mg/kg	0.00308 %	✓	
16		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		41	mg/kg	1.785	64.409	mg/kg	0.00644 %	✓	
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		94	mg/kg	2.469	204.26	mg/kg	0.0204 %	✓	
19		pH			PH		8.1	pH		8.1	pH	8.1 pH		
20		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
21		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
22		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
23		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.27	mg/kg		0.238	mg/kg	0.0000238 %	✓	
24		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.38	mg/kg		0.334	mg/kg	0.0000334 %	✓	
25		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.14	mg/kg		0.123	mg/kg	0.0000123 %	✓	
26		benzo[ghi]perylene		205-883-8	191-24-2		0.28	mg/kg		0.246	mg/kg	0.0000246 %	✓	
27		chrysene	601-048-00-0	205-923-4	218-01-9		0.37	mg/kg		0.326	mg/kg	0.0000326 %	✓	
28		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.08	mg/kg		0.0704	mg/kg	0.00000704 %	✓	
29		fluoranthene		205-912-4	206-44-0		0.48	mg/kg		0.422	mg/kg	0.0000422 %	✓	
30		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
31		indeno[123-cd]pyrene		205-893-2	193-39-5		0.19	mg/kg		0.167	mg/kg	0.0000167 %	✓	
32		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
33		phenanthrene		201-581-5	85-01-8		0.24	mg/kg		0.211	mg/kg	0.0000211 %	✓	
34		pyrene		204-927-3	129-00-0		0.45	mg/kg		0.396	mg/kg	0.0000396 %	✓	
35		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.57	mg/kg		0.502	mg/kg	0.0000502 %	✓	
36		TPH (C6 to C40) petroleum group			TPH		66	mg/kg		58.08	mg/kg	0.00581 %	✓	
37		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		36	mg/kg	1.462	52.616	mg/kg	0.00526 %		
											Total:	0.0514 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Most likely worst case.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00581%)

Appendix A: Classifier defined and non GB MCL determinands

monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

arsenic (EC Number: 231-148-6, CAS Number: 7440-38-2)

GB MCL index number: 033-001-00-X
Description/Comments: Worst Case: IARC considers arsenic Group 1; Carcinogenic to humans
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

chromium(III) oxide (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from ECHA's C&L inventory database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 30 Apr 2020
Hazard Statements: Acute Tox. 4; H302 , Skin Sens. 1; H317 , Eye Irrit. 2; H319

ethylbenzene (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

polychlorobiphenyls; PCB (EC Number: 215-648-1, CAS Number: 1336-36-3)

GB MCL index number: 602-039-00-4
Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

coronene (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.
Data source: http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2; H371

Appendix B: Rationale for selection of metal species

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Most likely worst case.

chromium in chromium(VI) compounds {chromium(VI) oxide}

Most likely worst case.

boron {boron tribromide}

Most likely worst case.

arsenic {arsenic}

Most likely worst case.

cadmium {cadmium sulfide}

Most likely worst case.

copper {dicopper oxide; copper (I) oxide}

Most likely worst case.

mercury {mercury}

Most likely worst case.

nickel {nickel dihydroxide}

Most likely worst case.

lead {lead chromate}

Most likely worst case.

selenium {selenium}

Most likely worst case.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Most likely worst case.

zinc {zinc sulphate}

Most likely worst case.

chromium in chromium(III) compounds {chromium(III) oxide}

Most likely worst case.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.127.6614.12023 (07 May 2025)
HazWasteOnline Database: 2025.127.6614.12023 (07 May 2025)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024
GB MCL List v6.0 - version 6.0 of 15th February 2025