

ALS ENVIRONMENTAL TEST REPORT GROUND GAS MONITORING RESULTS [Method COM07]

ALS Environmental
Torrington Avenue
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Customer Name:	Caerphilly County Council	Address:	Pandy Lane, Llanbradach, Caerphilly, CF83 3RP
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Site:	Trehir Landfill Site	Date:	21/02/18	Operator:	J. Crittenden & Chris Masters
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*** Weather Conditions:**

State of ground: ☐ Dry ☒ Moist ☐ Wet ☐ Snow ☐ Frozen
 Wind: ☒ Calm ☐ Light ☐ Moderate ☐ Strong
 Cloud cover: ☐ None ☐ Slight ☒ Cloudy ☐ Overcast 7°
 Precipitation: ☒ None ☐ Slight ☐ Moderate ☐ Heavy

Ambient Air Concentration (%Vol)	CH ₄ Methane (%v/v)	CO ₂ Carbon Dioxide (%v/v)	O ₂ Oxygen (%v/v)	* Barometric Pressure (mbar)
Before	0.0	0.1	20.9	1013
After	0.0	0.1	20.8	1017

Borehole	Peak			Steady			Peak	Steady	Peak	Steady	* Flow Rate (l/hr)	* Relative Pressure (mbar)	* Barometric Pressure (mbar)
	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	* H ₂ S (ppm)	* H ₂ S (ppm)	* CO (ppm)	* CO (ppm)			
N2				0.0	1.8	18.9							1018
N4													
N5				0.0	0.1	20.9							1017
N6													
N8				0.0	0.1	20.8							1017
R8													
NBH1				0.0	0.1	20.8							1018



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* indicates determinand is not covered by UKAS accreditation
 † indicates determinand analysed by an external sub-contractor

Further information on methods is available on request
 The results relate only to the items tested.

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	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	* H ₂ S (ppm)	* H ₂ S (ppm)	* CO (ppm)	* CO (ppm)			
NBH2				0.0	0.3	20.7							1018
NBH3				0.0	0.1	20.9							1018
NBH4				0.0	1.5	19.8							1014
NBH5				0.0	3.8	15.4							1018
NBH6				0.0	1.6	18.6							1018
NBH7 Front				0.0	0.2	20.7							1016
NBH7 Back				0.0	0.7	20.5							1018
NBH8				0.0	0.2	20.7							1016

Comments:

N4 – Could not locate
N6 – Over flowing
R8 – Could not locate

Gas Meter ID: 100 // Calibration due: 18.04.18

Signed:		Name:	J. Crittenden	Date:	21/02/18
		Title:	Field Services Support		



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CQF1025

ISSUE NO. 2

ISSUE DATE: 10.08.17

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