

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

ALS Environmental  
Torrington Avenue  
Coventry  
CV49GU

Tel +44 (0)2476 421213  
Fax +44 (0)2476 856565

<b>Customer Name:</b>	Caerphilly County Council	<b>Address:</b>	Pandy Lane, Llanbradach, Caerphilly, CF83 3RP
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<b>Site:</b>	Trehir Landfill Site	<b>Date:</b>	16/01/18	<b>Operator:</b>	J. Crittenden and C.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

Precipitation: ☒ None ☐ Slight ☐ Moderate ☐ Heavy

7°

Ambient Air Concentration (%Vol)	CH <sub>4</sub> Methane (%v/v)	CO <sub>2</sub> Carbon Dioxide (%v/v)	O <sub>2</sub> Oxygen (%v/v)	* Barometric Pressure (mbar)
Before	0.0//0.0	0.3//0.1	20.9//20.9	987//982
After	0.0//0.0	0.3//0.2	20.7//20.9	996//986

Borehole	Peak			Steady			Peak	Steady	Peak	Steady	* Flow Rate (l/hr)	* Relative Pressure (mbar)	* Barometric Pressure (mbar)
	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	* H <sub>2</sub> S (ppm)	* H <sub>2</sub> S (ppm)	* CO (ppm)	* CO (ppm)			
N2				0.0	3.0	18.1							983
NBH6				0.0	1.9	17.7							985
NBH5				0.0	8.6	6.1							984
NBH4				0.2	0.6	20.2							984
NBH2				0.0	0.2	20.7							986
N6													
N8				0.6	1.1	17.3							989



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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 <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	* H <sub>2</sub> S (ppm)	* H <sub>2</sub> S (ppm)	* CO (ppm)	* CO (ppm)			
NBH3				0.0	2.5	17.9							986
NBH8				0.0	0.2	20.5							986
NBH7 Front				0.0	0.8	20.4							986
NBH7 Back				0.0	0.8	20.1							986
NBH1				0.0	0.4	20.9							987
N5				0.0	0.2	20.7							986

Comments:

**Results highlighted yellow: Gas Meter ID: 102 // Calibration due: 10.05.18**

**Results not highlighted: Gas Meter ID: 100 // Calibration due: 18.04.18**

Signed:		Name:	J. Crittenden	Date:	06/01/18
		Title:	Field Services Support		



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