



**TABLE 1**  
**Langstone Vale Cremator & Abatement System**  
**Emissions Monitoring 9th & 10th December 2019**  
**Total Particulate Matter & Hydrogen Chloride Sampling**

	Test 1 09 December 2019 13:35-14:35	Test 2 09 December 2019 15:24-16:24	Test 3 10 December 2019 14:17-15:17	Average	Requirement to PG5/2 (2012)
Total Particulate Matter - mg/Nm <sup>3</sup> c.	2.26 ± 2.08	3.00 ± 2.66	1.15 ± 2.37	<b>2.13</b>	<20
Hydrogen Chloride - mg/Nm <sup>3</sup> c.	1.30 ± 2.43	1.19 ± 3.10	1.57 ± 1.39	<b>1.35</b>	<30
Carbon Monoxide - mg/Nm <sup>3</sup> c.	4.76 ± 0.24	1.95 ± 0.10	7.99 ± 0.40	<b>4.90</b>	<100
Carbon Monoxide First 30 mins - mg/Nm <sup>3</sup> c.	9.11 ± 0.46	2.38 ± 0.12	5.43 ± 0.27	<b>5.64</b>	<100
Carbon Monoxide Second 30 mins - mg/Nm <sup>3</sup> c.	0.26 ± 0.01	1.51 ± 0.01	10.64 ± 0.53	<b>4.13</b>	<100
Organic Compounds - mg/Nm <sup>3</sup> c.	0.00 ± 0.01	0.18 ± 0.01	0.12 ± 0.01	<b>0.10</b>	<20
Flue Oxygen - %v/v dry	14.70 ± 0.10	15.01 ± 0.10	14.58 ± 0.10	<b>14.76</b>	
Flue Moisture - %v/v	7.7 ± 0.8	8.8 ± 0.9	7.0 ± 0.7	<b>7.8</b>	
	4.9 ± 0.5	5.7 ± 0.6	4.5 ± 0.4	<b>5.0</b>	
Flue Temperature - Deg C	145 ± 2	143 ± 2	143 ± 2	<b>144</b>	
Volumetric Flow - Nm <sup>3</sup> /h dry	2120 ± 42	1670 ± 33	1834 ± 37	<b>1874</b>	

Note 1: All emissions as concentration levels are given as mg/Nm<sup>3</sup> corrected to 11%v/v oxygen and dry gas

Note 2: All uncertainties (±) are calculated to a 95% confidence interval

Uncertainties estimated using the procedure suggested in the STA Quality Guidance Note QGN001-01

**TABLE 2**  
**Langstone Vale Cremator & Abatement System Outlet**  
**Emissions Monitoring 9th & 10th December 2019**  
**Mercury Sampling**

	Hg Test 10 December 2019 08:50-13:52	Requirement to PG5/2 (2012)
Mercury - µg/Nm <sup>3</sup> c.	4.68 ± 0.21	<50
Flue Oxygen - %v/v dry	12.77 ± 0.10	
Flue Moisture - %v/v	8.8 ± 0.9	
	5.6 ± 0.6	
Flue Temperature - Deg C	139 ± 2	
Volumetric Flow - Nm <sup>3</sup> /h dry	1884 ± 38	

Note 1: All emissions as concentration levels are given as µg/Nm<sup>3</sup> or mg/Nm<sup>3</sup> corrected to 11%v/v oxygen and dry gas

Note 2: All uncertainties (±) are calculated to a 95% confidence interval

Uncertainties estimated using the procedure suggested in the STA Quality Guidance Note QGN001-01

Mae'r ddogfen hon ar gael yn Gymraeg, ac mewn ieithoedd eraill ar gais.

This document is available in Welsh, and in other languages and formats on request.