

Permit Reference Number: EPR/MP3239FQ

Variation Reference Number: EPR/MP3239FQ V002

Operator: Tradebe Healthcare National Limited  
Form Dated 20 October 2011  
Installation: Wrexham Clinical Waste Incinerator

Form Number: Agency Form / **A1/** AP3538SM/

### Reporting of Emissions to Air for the period from July 2019 to December 2019

Emission Point	Substance / Parameter	Emission Limit Value	Result Note 1	Test Method Note 2	Sample Date and Times Note 3	Accreditation/ Certification Note 4	Uncertainty Note 5
A1	Particulate Matter mg/m <sup>3</sup>	20 mg/m <sup>3</sup> periodic over minimum 1-hour period	0.69	BS EN 13284-1	03/09/2019 15:17 – 16:18	UKAS & MCERTS	+/-1.28mg/m <sup>3</sup>
A1	Total Organic Carbon (TOC) mg/m <sup>3</sup>	20 mg/m <sup>3</sup> periodic over minimum 1-hour period	2.95	BS EN 12619	03/09/2019 10:00 – 11:00	UKAS & MCERTS	+/-1.29mg/m <sup>3</sup>
A1	Oxides of Nitrogen (as NO <sub>2</sub> ) mg/m <sup>3</sup>	400 mg/m <sup>3</sup> periodic over minimum 4-hour period	392	BS EN 14792	03/09/2019 10:00 – 14:00	UKAS & MCERTS	+/-19.6mg/m <sup>3</sup>
A1	Carbon Monoxide mg/m <sup>3</sup>	100 mg/m <sup>3</sup> periodic over minimum 4-hour period	0.63	BS EN 15058	03/09/2019 10:00 – 14:00	UKAS & MCERTS	+/-0.93mg/m <sup>3</sup>
A1	Sulphur Dioxide mg/m <sup>3</sup>	200 mg/m <sup>3</sup> periodic over minimum 4-hour period	6.31	BS EN14791	03/09/2019 10:00 – 14:00	UKAS & MCERTS	+/-0.69mg/m <sup>3</sup>
A1	Hydrogen chloride mg/m <sup>3</sup>	30 mg/m <sup>3</sup> periodic over minimum 1-hour period	19.8	BS EN 1911	03/09/2019 10:00 – 14:00	UKAS & MCERTS	+/-1.8mg/m <sup>3</sup> (
A1	Hydrogen fluoride mg/m <sup>3</sup>	2 mg/m <sup>3</sup> periodic over minimum 1-hour period	<0.11	BS ISO 15713	04/09/2019 13:38 – 14:38	UKAS & MCERTS	+/-0.001mg/m <sup>3</sup>
A1	Cadmium & thallium and their compounds (total) mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup> periodic over minimum 30 minute, maximum 8 hour period	0.002	BS EN 14385	02/09/2019 15:35 – 16:37	UKAS & MCERTS	+/-0.0004mg/m <sup>3</sup>
A1	Mercury and its compounds mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup> periodic over minimum 30 minute, maximum 8 hour period	0.003	BS EN 13211	02/09/2019 15:35 – 16:37	UKAS & MCERTS	+/-0.0009mg/m <sup>3</sup>
A1	Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total) mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup> periodic over minimum 30 minute, maximum 8 hour period	0.12	BS EN 14385	02/09/2019 15:35 – 16:37	UKAS & MCERTS	+/-0.03mg/m <sup>3</sup>
A1	Dioxins / furans (I-TEQ) <sup>6</sup> ng/m <sup>3</sup>	0.1 ng/m <sup>3</sup> periodic over minimum 6 hours, maximum 8 hour period	0.025	BS EN 1948	04/09/2019 09:05 – 15:07	UKAS & MCERTS	+/-0.006ng/m <sup>3</sup>

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A1	Dioxin-like PCBs (WHO-TEQ Humans / Mammals) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.000266	BS EN 1948	04/09/2019 09:05 - 15:07	UKAS & MCERTS	+/- 0.000059ng/m <sup>3</sup>
A1	Dioxin-like PCBs (WHO-TEQ Fish) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.000015	BS EN 1948	04/09/2019 09:05 - 15:07	UKAS & MCERTS	+/- 0.00003ng/m <sup>3</sup>
A1	Dioxin-like PCBs (WHO-TEQ Birds) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.00920	BS EN 1948	04/09/2019 09:05 - 15:07	UKAS & MCERTS	+/- 0.00206ng/m <sup>3</sup>
A1	poly-cyclic aromatic hydrocarbons (PAHs) ug/m <sup>3</sup>	No limit applies	1.07	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.25 ug/m <sup>3</sup>
A1	Dioxins / furans (WHO-TEQ Humans / Mammals) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0022	BS EN 1948	04/09/2019 09:05 - 15:07	UKAS & MCERTS	+/-0.005ng/m <sup>3</sup>
A1	Dioxins / furans (WHO-TEQ Fish) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.025	BS EN 1948	04/09/2019 09:05 - 15:07	UKAS & MCERTS	+/-0.006ng/m <sup>3</sup> (22.4%)
A1	Dioxins / furans (WHO-TEQ Birds) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.00920	BS EN 1948	04/09/2019 09:05 - 15:07	UKAS & MCERTS	+/-0.009ng/m <sup>3</sup>
A1	Anthanthrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Benzo[a]anthracene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Benzo[b]fluoranthene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Benzo[k]fluoranthene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Benzo[b]naph(2,1-d)thiophene ug/m <sup>3</sup>	No limit applies	<0.06	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Benzo[c]phenanthrene ug/m <sup>3</sup>	No limit applies	<0.06	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Benzo[ghi]perylene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Benzo[a]pyrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Cholanthrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Chrysene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Cyclopenta(c,d)pyrene ug/m <sup>3</sup>	No limit applies	<0.06	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>

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A1	Dibenzo[ah]anthracene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Dibenzo[a,i]pyrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Fluoranthene ug/m <sup>3</sup>	No limit applies	0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Indo[1,2,3-cd]pyrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.01ug/m <sup>3</sup>
A1	Naphthalene ug/m <sup>3</sup>	No limit applies	0.5	BS ISO 11338	03/09/2019 09:07 – 15:09	UKAS & MCERTS	+/-0.12ug/m <sup>3</sup>

Note 1 The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

Note 2 Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

Note 3 For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

Note 4 The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

Note 5 The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Note 6 The result to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum

Signed ... V C Norris.....  
(Authorised to sign as representative of Tradebe Healthcare National Limited)

Date.....14/10/2019.....