

Permit Number: EPR/DP3832EF

Operator: Biotage GB Limited

Reporting of emissions to air for the period from 01/01/2019 to 31/12/2019

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1 Main building EP1	Hydrogen chloride	15.12 g/hr	Duration of batch reaction				
A1 Main building EP1	VOC - Methanol	4.0824 g/hr	Duration of batch reaction				
A2 Main building EP1	Hydrogen chloride	49.068 g/hr	Duration of batch reaction				
A2 Main building EP1	VOC - Methanol	45.684 g/hr	Duration of batch reaction				
A3 Main building EP1	Oxides of nitrogen (as NO ₂)	48.84 g/hr	Duration of batch reaction	13.63 g/hr (7.78 g/hr)	BS EN 14792:2017	04/09/19 – 05/09/19; 14:35 – 15:20	3
A3 Main building EP1	VOC - Methanol	355.68 g/hr	Duration of batch reaction	Not measured			
A4 Resin shed EP2	Hydrogen Bromide	0.6264 g/hr	Duration of batch reaction	0.074 g/hr (0.039 g/hr)	US EPA Method 26	03/09/19 – 04/09/19 13:07 – 12:30	13

Comment: re figures in Results column in brackets represent average emissions over the batch process.

- [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.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [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.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed *N Jenkins*
(Authorised to sign as representative of Operator)

Date.....21/02/20.....

08/05/14