

JERSEY Results of Algal Biotoxin Examinations of Shellfish Hygiene Samples

CEFAS MFS biotoxin ref number	Species	Date Sampled	Date Received	PSP Screen by HPLC	PSP HPLC Result (μg STX eq/kg) High value calculated from MU	LT Analysis- Total OA/DTXs/PTXs (μg OA eq/kg) - HIGH value result	LT Analysis- Total AZAs (μg AZA1 eq/kg) - HIGH value result	LT Analysis- Total YTXs (mg YTX eq/kg) - HIGH value result	ASP (mg /kg)
BTX/2019/107	Mussels	21/01/2019	22/01/2019	ND		<RL	<RL	<RL	<LOQ
BTX/2019/274	Mussels	19/02/2019	20/02/2019	ND		<RL	<RL	<RL	<LOQ
BTX/2019/430	Mussels	19/03/2019	20/03/2019	ND		<RL	<RL	<RL	1.2
BTX/2019/960	Mussels	02/04/2019	03/04/2019	ND		<RL	<RL	<RL	<LOQ
BTX/2019/850	Mussels	14/05/2019	15/05/2019	ND		<RL	<RL	<RL	<LOQ
BTX/2019/1020	Mussels	03/06/2019	04/06/2019	ND		<RL	<RL	<RL	<LOQ
BTX/2019/1326	Mussels	02/07/2019	03/07/2019	ND		<RL	<RL	<RL	<LOQ
BTX/2019/1771	Mussels	13/08/2019	14/08/2019	ND		<RL	<RL	<RL	<LOQ
BTX/2019/2263	Mussels	30/09/2019	01/10/2019	ND		<RL	<RL	<RL	<LOQ

Key - The action (closure) levels for toxins in shellfish flesh are as follows:

ASP >20mg Domoic/epi-Domoic acid per kg shellfish flesh. **PSP** >800 μg STX eq. per kg shellfish flesh. **Lipophilic toxins (DSP)** by MBA - Positive **OA/DTXs/PTXs together** >160 μg OA eq. per kg shellfish flesh. **AZAs** >160 μg AZA eq. per kg shellfish flesh. **YTXs** >1mg YTX eq. per kg shellfish flesh

Toxin concentrations \geq action level

Toxin detected/clinical signs observed below action level

Insufficient/Unsuitable sample

RL = Reporting Limit [either the LOQ of the method for the toxin/species combination or the concentration of the lowest calibration standard depending on which one is the highest.]

PS = Positive **ND** = Not Detected **NG** = Negative **LOD** = Limit of Detection **LOQ** = Limit of quantitation **MU** = measurement uncertainty

Comment