

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)	Comment
BTX/2022/87	Mussels	17/01/2022	18/01/2022	ND		<RL	<RL	<RL	<LOQ	
BTX/2022/0264	Mussels	14/02/2022	15/02/2022	ND		<RL	<RL	<RL	<LOQ	
BTX/2022/0388	Mussels	01/03/2022	03/03/2022	ND		<RL	<RL	<RL	<LOQ	
BTX/2022/0784	Mussels	26/04/2022	28/04/2022	ND		<RL	<RL	<RL	<LOQ	
BTX/2022/1014	Mussels	16/05/2022	18/05/2022	ND		<RL	<RL	<RL	<LOQ	
BTX/2022/1265	Mussels	13/06/2022	14/06/2022	ND		<RL	<RL	<RL	<LOQ	
BTX/2022/1586	Mussels	11/07/2022	12/07/2022	ND		<RL	<RL	<RL	<LOQ	
BTX/2022/1928	Mussels	01/08/2022	03/08/2022	ND		<RL	<RL	<RL	<LOQ	sent 02/08/22 (tides)
BTX/2022/2615	Mussels	26/09/2022	28/09/2022	ND		<RL	<RL	<RL	<LOQ	
BTX/2022/2934	Mussels	24/10/2022	26/10/2022	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 >800µg STX eq. per kg shellfish flesh. Lipophilic toxins (DSP) by MBA - Positive OA/DTXs/PTXs together >160µg OA eq. per kg shellfish flesh. AZAs >160µg AZA eq. per kg shellfish flesh. YTXs >1mg YTX eq. per kg shellfish flesh
 Toxin concentrations ≥ 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