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/2024/124	Mussels	15/01/2024	17/01/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/255	Mussels	12/02/2024	14/02/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/393	Mussels	11/03/2024	12/03/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/580	Mussels	08/04/2024	09/04/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/809	Mussels	07/05/2024	08/05/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/1147	Mussels	04/06/2024	05/06/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/1638	Mussels	18/06/2024	19/06/2024	ND						extra sample, following a positive seawater sample
BTX/2024/1463	C.Gigas	01/07/2024	02/07/2024	ND						extra sample, following a positive seawater sample
BTX/2024/1712	C.Gigas	22/07/2024	23/07/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/2045	C.Gigas	19/08/2024	20/08/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/2424	C.Gigas	17/09/2024	18/09/2024	ND		<RL	<RL	<RL	<LOQ	
BTX/2024/2573	C.Gigas	01/10/2024	02/10/2024	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