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/2023/136	Mussels	23/01/2023	25/01/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/315	Mussels	20/02/2023	21/02/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/461	Mussels	13/03/2023	15/03/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/744	Mussels	17/04/2023	19/04/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/986	Mussels	10/05/2023	12/05/2023	ND						extra sample, following a positive seawater sample
BTX/2023/1045	Mussels	16/05/2023	17/05/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/1259	Mussels	05/06/2023	07/06/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/1350	Mussels	13/06/2023	14/06/2023	ND						extra sample, following a positive seawater sample
BTX/2023/1478	Mussels	20/06/2023	22/06/2023	ND						extra sample, following a positive seawater sample
BTX/2023/1624	Mussels	03/07/2023	05/07/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/1963	Mussels	01/08/2023	02/08/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/2411	Mussels	04/09/2023	06/09/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/2763	Mussels	02/10/2023	06/10/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/3116	Mussels	13/11/2023	16/11/2023	ND		<RL	<RL	<RL	<LOQ	
BTX/2023/3264	Mussels	03/12/2023	06/12/2023	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