JERSEY Results of Algal Biotoxin Examinations of Shellfish Hygiene Samples

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 YTXs (mg YTX eq/kg) - HIGH value result	ASP (mg /kg)
Mussels	30/01/2018	31/01/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	27/02/2018	01/03/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td>2.4</td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>2.4</td></rl<></td></rl<>	<rl< td=""><td>2.4</td></rl<>	2.4
Mussels	19/03/2018	20/03/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	16/04/2018	17/04/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	15/05/2018	16/05/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	12/06/2018	13/06/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	10/07/2018	11/07/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	13/08/2018	14/08/2018	ND		29	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	18/09/2018	20/09/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	08/10/2018	09/10/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	06/11/2018	07/11/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
Mussels	04/12/2018	05/12/2018	ND		<rl< td=""><td><rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><loq< td=""></loq<></td></rl<></td></rl<>	<rl< td=""><td><loq< td=""></loq<></td></rl<>	<loq< td=""></loq<>
	Mussels	Mussels 30/01/2018 Mussels 27/02/2018 Mussels 19/03/2018 Mussels 16/04/2018 Mussels 15/05/2018 Mussels 12/06/2018 Mussels 10/07/2018 Mussels 13/08/2018 Mussels 18/09/2018 Mussels 08/10/2018 Mussels 06/11/2018	Mussels       30/01/2018       31/01/2018         Mussels       27/02/2018       01/03/2018         Mussels       19/03/2018       20/03/2018         Mussels       16/04/2018       17/04/2018         Mussels       15/05/2018       16/05/2018         Mussels       12/06/2018       13/06/2018         Mussels       10/07/2018       11/07/2018         Mussels       13/08/2018       14/08/2018         Mussels       18/09/2018       20/09/2018         Mussels       08/10/2018       09/10/2018         Mussels       06/11/2018       07/11/2018	Mussels         30/01/2018         31/01/2018         ND           Mussels         27/02/2018         01/03/2018         ND           Mussels         19/03/2018         20/03/2018         ND           Mussels         19/03/2018         17/04/2018         ND           Mussels         16/04/2018         17/04/2018         ND           Mussels         15/05/2018         16/05/2018         ND           Mussels         12/06/2018         13/06/2018         ND           Mussels         10/07/2018         11/07/2018         ND           Mussels         13/08/2018         14/08/2018         ND           Mussels         18/09/2018         20/09/2018         ND           Mussels         08/10/2018         09/10/2018         ND           Mussels         06/11/2018         07/11/2018         ND	Sampled         Received         by HPLC         Result (µg STX eq/kg) High value calculated from MU           Mussels         30/01/2018         31/01/2018         ND           Mussels         27/02/2018         01/03/2018         ND           Mussels         19/03/2018         20/03/2018         ND           Mussels         16/04/2018         17/04/2018         ND           Mussels         15/05/2018         16/05/2018         ND           Mussels         12/06/2018         13/06/2018         ND           Mussels         10/07/2018         11/07/2018         ND           Mussels         13/08/2018         14/08/2018         ND           Mussels         18/09/2018         20/09/2018         ND           Mussels         08/10/2018         09/10/2018         ND           Mussels         06/11/2018         07/11/2018         ND	Sampled         Received         by HPLC         Result (μg STX eq/kg) High value calculated from MU         Total OA/DTXs/PTXs (μg OA eq/kg) - HIGH value result           Mussels         30/01/2018         31/01/2018         ND <rl< td="">           Mussels         27/02/2018         01/03/2018         ND         <rl< td="">           Mussels         19/03/2018         20/03/2018         ND         <rl< td="">           Mussels         16/04/2018         17/04/2018         ND         <rl< td="">           Mussels         15/05/2018         16/05/2018         ND         <rl< td="">           Mussels         12/06/2018         13/06/2018         ND         <rl< td="">           Mussels         10/07/2018         11/07/2018         ND         <rl< td="">           Mussels         13/08/2018         14/08/2018         ND         <rl< td="">           Mussels         18/09/2018         20/09/2018         ND         <rl< td="">           Mussels         08/10/2018         09/10/2018         ND         <rl< td="">           Mussels         06/11/2018         07/11/2018         ND         <rl< td=""></rl<></rl<></rl<></rl<></rl<></rl<></rl<></rl<></rl<></rl<></rl<>	Sampled   Received   STX eq/kg   STX eq/kg   High value calculated from MU   HIGH value result   eq/kg) - HIGH value result   eq/	Sampled   Received   Sy HPLC   Result (μg STX eq/kg)

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

 $\mathbf{RL}$  = 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	
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