

Biotoxin and Phytoplankton Results E&W – Key

Biotoxin (Flesh) 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 >3.75mg YTX eq. per kg shellfish flesh

MU = measurement uncertainty

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

PSP Semi-quant result: Only samples showing a semi quantitative result of $\geq 400 \mu\text{g-kg}$ will be submitted to full quantitation. Please note that full quantitation results may return a total toxicity value below $400 \mu\text{g-kg}$

Phytoplankton (Water) Key

The trigger levels for phytoplankton samples are as follows (additional flesh and water samples required):

- Alexandrium spp (PSP) - Presence
- Dinophysis spp.-Prorocentrum lima (DSP) - 100 cells-litre
- Pseudo-nitzschia spp. (ASP) - 150,000 cells litre