

## Noeleen Roche

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**From:** margot.cronin@marine.ie  
**Sent:** 10 November 2016 19:14  
**To:** Suzanne Wylde  
**Subject:** RE: Sediment chemistry analysis S0021-02

**Follow Up Flag:** Follow up  
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Hi Suzanne,

The results of the sediment chemistry for Ringaskiddy indicate that this sediment is relatively unpolluted.

The concentration of nickel exceeds the lower action level of 21mg kg<sup>-1</sup> but this is quite common in Irish sediment often demonstrating higher background through natural geology. The most recent action levels for nickel were set using ecotoxicology standards from other jurisdictions, as insufficient data were available for Irish sediment. Previously, the lower action was set at 50 mgkg<sup>-1</sup> for nickel, and thus there were not so many reported exceedances of AL1. Historic data investigated while setting Irish action levels indicated more than 50% exceeded 21mg kg<sup>-1</sup> for nickel, with values for Ringaskiddy mostly in the region of 24-50 mg kg<sup>-1</sup>.

I don't see any issues with the sediment chemistry with regards to suitability for dumping at sea but if you need clarification on anything, give me a shout.

Best regards,  
Margot

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