Message (Digitally Signed)

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Sent: 9/14/2021 4:50:21 PM
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Subject: HPNS Parcel G Draft Field Change Request - Sr-90 Method Update
Attachments: FCR-006_Sr90 Lab Prep Method.pdf; smime.p7s

Wayne/Nina/Terry,

As discussed over the last couple of months, the Navy contractor has drafted a field change request to update the Sr-90 Method. In general, the current laboratory method has a higher uncertainty due to the sample preparation procedure. The higher uncertainty interferes with evaluating very low Sr-90 concentrations associated with the Sr-90 Remedial Goal. The updated method preparation procedure includes a larger aliquot size (2.5 grams) and 14-day ingrowth which should lower measurement uncertainty. The full Standard Operating Procedure (SOP) is attached to the Field Change Request.

In addition, the Field Change Request includes decision criteria for confirming samples results, consistent with Work Plan Section 5.3.2. Confirmation of sample results with elevated activity will include the following:

- Sr-90 results will immediately (to the maximum extent practical) be recounted by the laboratory.
- If the recounted sample is below the RG, then the initial result will be considered a false positive.
- If a recount of the sample is not possible, or the recount sample result exceeds the RG, two (2) additional aliquots will be collected from the sample and analyzed for Sr-90.
- If the results of both of the additional aliquots are below the RG, then the original result will be considered a false positive. If either one of the two additional aliquot results is above the RG, then the sample will be considered an exceedance.

The draft field change request is pending Navy Quality Assurance Officer signature to be finalized.

Please let me know if you have any questions or feedback. We can also discuss this afternoon.

Thanks!

V/r,
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