**Record of Technical Anomaly**

**Technical Anomaly No: TA441**

**PART 1: Issue, impact assessment and signing open**

**Raised by:** Hannah Ford **Date: 18/04/22**

**OP / Method: OP224 Ethyl Carbamate**

**Analytical sequence initiated** *(where appropriate)***: EC0798**

**Details** *(please tick relevant box(es) and provide supplementary information where required)***:**

□ QC point(s) above/below ±2SD □ Bracketing standard(s) outside limits

□ QC point(s) above/below ±3SD □ QC Recovery outside limits

□ QC point(s) outside expanded uncertainty R Other *(add details below)*

Signal to noise system suitability failed for 2.5ppb level – result 5.8. Passes for 5ppb level at 24.9.

In the past signal to noise has been improved by tuning the detector – the tune had not been performed prior to this run as all quality checks in the previous run had passed and the instrument takes a long time to stabilize after tuning. In this run also, as the signal to noise is the only failing check, will continue to monitor in the next run and only tune subsequently if the signal to noise deteriorates. It is quite acceptable to members’ results to adjust reporting limit to 5ppb to allow for the low signal to noise below this level.

□ No apparent reason for this anomaly

**Recommended Action:**

R No action required out with the usual close monitoring of the Quality Control data in subsequent runs.

**Explanation why the issue does not impact data quality & why it isn’t a departure:**

Reporting limit will be adjusted to 5ppb for this run to acknowledge signal to noise failure.

**Management Review:**

***I agree to open this Technical Anomaly and confirm that this would not prevent results from being reported.***

**Authorised by:**

**(Technical/Services/Quality Manager)**

**Date:**

**PART 2: Follow-up actions and close-out**

**Follow-up actions conducted:**

□ No follow up required

**All analytical sequence(s) affected** *(where appropriate)***:**

**Signed off & closed by Quality Manager:**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_**

