



City of Tacoma

Questions and Answers

FLOW INJECTION ANALYZERS RFB Specification No. ES23-0078N

All interested parties had the opportunity to submit questions in writing by email to Aaron Bratton, Buyer by April 20, 2023. The answers to the questions received are provided below and posted to the City's website at www.TacomaPurchasing.org. Navigate to [Current Contracting Opportunities](#) / [Supplies Solicitations](#), and then click [Questions and Answers](#) for this Specification. This information IS NOT considered an addendum. Respondents should consider this information when submitting their proposals.

Question 1: APPENDIX A - TECHNICAL SPECIFICATIONS Item 1b I think it should say Workstation#1 with TKN will include in-line distillation instead of digestion can you confirm? 1b Must utilize a full array spectrophotometric detection. 2 The total system must have a minimum of 2 workstations. Each workstation will have its own autosampler, peristaltic pump, FIA, and computer. Workstation #1 will have 3 channels and include Ammonia, Total Kjeldahl Nitrogen (TKN), Nitrate+Nitrite, Nitrite, Total Phosphorus (TP), and Ortho-phosphate (OP). Workstation #1 with TKN will include in-line digestion

Answer 1: Correct: Item 1b should indicate in-line distillation and not in-line digestion. See Addendum 1

Question 2: I notice item 14 Must be able to analyze for Cyanide (EPA 335.4) and this is not compatible with Section C. C Instrument Requirements 1 Analyzer, Total Cyanide (TCN) in-line digestion unit, peristaltic pump, and autosampler must be new instruments.

Answer 2: The 335.4 method reference is included because the lab needs to continue to perform off-line soil and sludge distillations and analyze by semi-automated colorimetry.

Question 3: If inline distillation IS preferred then the method best suited is ASTM D7511-09 (Amperometric with inline Module). We can do either just want to make sure I quote exactly what you want.

Answer 3: The lab is also interested in the in-line distillation unit for total cyanide in waters and therefore the Amperometric ASTM method module as well. See Addendum 1