TNI PT Program Executive Committee Meeting Summary

November 29, 2023

1. Roll call, approval of minutes and overview:

Chair, Stacie Crandall, called the TNI PT Program Executive Committee (PTPEC) meeting to order at 11:30am Eastern on November 29, 2023. Attendance is recorded in Attachment A – there were nine (9) voting members present. Associate members present: Charles Faulk, Craig Huff, Amy DeMarco, Tom Dziedzic (until 12:10pm), Michella Karapondo, Aaron Bindel and Fred Anderson (added 12pm Eastern). Guests: Keith McCroan (until 12:10pm), Bob Shannon, and Terry Romanko.

The December meeting will be December 18th at 11-12:30. Starting in February, the Committee will begin meeting on the 4th Wednesday at 11am Eastern.

The August and October Minutes were reviewed. A motion was made by Susan to approve the August minutes as written with the correction of Jack's email address. The motion was seconded by Patrick and unanimously approved.

A motion was made by Susan to approve the October minutes as written with the correction of Jack's email address. The motion was seconded by Tim and unanimously approved.

(Addition: The following vote took place by email:

Susan made a motion by email on December 4, 2023 to approve the 4/27/23, 6/23/23 and 8/2/23 minutes as written. The motion seconded by email on December 4, 2023 by Patrick. Vote:

Prasanth For 12/4/23 Susan For. 12/4/23 Patrick. For. 12/4/23 Timothy. For 12/4/23 Jack Denby For. 12/4/23 Andy For 12/5/23 Rachel For. 12/5/23 Jennifer For 12/5/23 Carl - Abstain 12/6/23 Andy – For 12/8/23 Stacie – For 12/14/23

The motion was approved, and the minutes will be posted on the TNI website.)

2. Complaints

Terry, Bob and Keith have joined in to discuss these two complaints regarding Radiochemistry Drinking Water FoPT limits.

Stacie is concerned that the lab does not understand how acceptance limits are generated. It is described in the SOP we will be looking at approving today (SOP 4-101).

Susan recognizes that they are referencing Method 908 that historically has lower recoveries. Bob Shannon raised the same concern. The method is old -1970's. He prefers ICP-MS. It is a very different method. We are not using data to determine acceptance criteria ... it comes from MQOs based on EPA requirements. Method 908 is a back-up method for Susan, and they normally use EPA 200.8.

At the same time, they should not see a bias with Method 908. Chemical yield correcting the result. Terry noted that the previous limits based on historical data had an average low bias. It wasn't centered around 100%. This bias was removed in the new limits.

It is important in the response to make it clear that the new acceptance criteria are not arbitrary. They are connected to EPA's expectations. PTs are meant to be a third-party source to help you confirm your internal QC is appropriate. Stacie agrees with Bob. She also noted that if there are newer methods that need to be approved ... let her know.

Terry Romanko noted that 80-120% are a lab's internal limits. That does not mean that these will help them meet the project requirements of a client. We need to meet the MQOs, and this may mean they need different QC limits.

There was agreement that the limits are correct.

Craig noted that many other labs using Method 908 passed the PT. There was a 5.9% failure rate, which is well below the 20% limit for action.

Susan wants to be sure that after new limits are set, the PTPEC looks to ensure we are not seeing anything new.

Bob mentioned that a method that is approved may not be the best method to meet the EPA criteria.

Michella noted that the EPA DW program is beginning a method update rule where they can remove methods that are not meeting requirements.

Stacie does not want to address training in the response and will have a DRAFT response ready for the December meeting. The response should be written as a boilerplate for similar questions in the future.

Ilona will let Jerry know the Committee's approach to the complaints.

Terry left the meeting and Bob and Keith stayed on for the SOP 4-101 discussion.

3. SOP 4-101 (Recommendation, Evaluation, and Calculation of Acceptance Criteria and Applicable Concentration Ranges for Proficiency Tests

The SOP is a complete re-write and people wanted more time to review it before voting. The Committee was asked to send any concerns by email and to plan to do a final review and vote during the December meeting.

4. PFAS Limits

The Chemistry FoPT Subcommittee met November 2nd and voted to add the PFAS analytes to the table. Amy summarized the work done by the Subcommittee. Attachments were provided with the agenda that showed examples of plots (see Attachment C).

PFOA plot was looked at. Shows why 60-140% works. PFBS plot – Can't use the regression. also shows 60-140% works. PFDOA – convergence – 11 data points – passed for mean, but standard deviation failed. Failed for convergence also. Again supports 60-140%.

The Subcommittee's recommendation is that the limits for all 29 analytes requested be +/-40%.

The Subcommittee also looked at QC from labs in addition to the PT data.

The question was raised why the Subcommittee chose 60-140% instead of EPA's recommended 70-130%. There was discussion, but the Subcommittee felt the data supported 60-140% and not 70-130%.

The Chemistry FoPT Subcommittee has 12 plots that can be shared. Amy will send copies of these plots to Michella and Dan Hautman.

A straw poll of the Committee was done and there is support for 60 - 140% but given the question above, the Committee will delay its discussion and vote in December so Stacie and Ilona can meet with Jerry Parr to help determine whether the limits should be put in place now or after EPA's rule gets finalized.

Ilona reminded the group that these limits were generated in response to an ARA received from New Hampshire.

There was general agreement with the concentration range set at 10-200 ng/L.

Amy commented that based on the data Amy shared, a lot of labs would fail the PTs at 70-130%. 40% was used in the UCMR.

5. Subcommittee Updates

<u>Chemistry FoPT Subcommittee</u> See PFAS discussion above.

WET FoPT Subcommittee

Craig Huff (Chair) reported that it has been hard getting a quorum. The Subcmmittee will be meeting in 3 weeks to start going through the data.

PTP SOP Subcommittee -

Susan reported that the Subcommittee has finished up SOP 4-101 and there is nothing on the action list.

6. New Business

None.

7. Action Items

The action items can be found in Attachment D. Attachment B includes a list of reminders.

8. Next Meeting

The next meeting will be a teleconference on December 18, 2023 at 11:00am Eastern.

The Committee is planning to change their meeting day to the fourth Wednesday of the month at 11am Eastern starting in February.

The meeting was adjourned at 1 pm Eastern.

Attachment A Participants TNI Proficiency Testing Program Executive Committee

| Members | Rep | Affiliation | Contact Information |
|---|-------|---------------------------------|-----------------------------|
| Stacie Crandall (2025*) (Chair) Present | Lab | HRSD | scrandall@hrsd.com |
| Ilona Taunton, Program Administrator Present | | TNI | tauntoni@msn.com |
| Susan Jackson (2025*) (Vice-Chair) Present | Lab | South Carolina DHEC | jacksosb@dhec.sc.gov |
| Carl Kircher (2024) Present - phone | AB | Florida Department of Health | Carl.Kircher@flhealth.gov |
| Andy Valkenburg (2024) | Other | QASE Inc. | cvalkenbur@aol.com |
| Tim Milller (2024*) Present | Other | Phenova | timm@phenova.com |
| Eric Smith (2024*) Absent | Other | | eric.smith72@comcast.net |
| Jennifer Best (2025*) Present | Other | USEPA | karapondo.michella@epa.gov |
| Jack Denby (2025*) Present | Other | HRSD | jdenby@hrsd.com |
| Rachel Ellis (2025) | AB | New Jersey DEP | Rachel.ellis@dep.nj.gov |
| Patrick Selig (2024*) Present | AB | ANAB | pselig@anab.org |
| Prasanth Ramakrishnan (2024*) Present 12:30pm | AB | ISA | pramakrishnan@iasonline.org |

Attachment B

| - | | | | | | | | | | | | |
|----|--|----------------------|------------------------------------|--|--|--|--|--|--|--|--|--|
| | Item | Meeting Reference | Comments | | | | | | | | | |
| 7 | Add the Field PT Subcommittee to the limit update SOP during its next update. | 3/4/10 | In Progress | | | | | | | | | |
| 11 | Evaluate how labs are accredited for analytes that co-elute. | 5-19-11 | See meeting reference for details. | | | | | | | | | |
| 13 | Charter needs to be reviewed/updated in November. | Ongoing | | | | | | | | | | |
| 18 | Shawn noted that PTPEC should have some specific measurements. This should be passed along to the PTP SOP Subcommittee. Nicole noted that we need to determine which items to measure. | 6-29-17 | To be added to 2021 goals. | | | | | | | | | |
| 19 | Review possible issues surrounding one vendor for Radiochemistry PTs. | 3/24/23 | | | | | | | | | | |

Backburner / Reminders – TNI PT Executive Committee



ATTACHMENT C - 3 Examples and DRAFT Update to DW Table

| Analyte # Parameter | | а | b | С | d | Mean | StdDev | Min | Max | Units |
|---------------------|------|--------|---------|--------|---------|--------|--------|-----|-----|-------|
| | | | | | | R^2 | R^2 | | | |
| 6918 | PFBS | 0.9049 | 15.3980 | 0.1351 | -4.7302 | 0.9557 | 0.7628 | 127 | 751 | ng/L |





| Analyte # | Parameter | а | b | С | d | Mean R^2 | StdDev R^2 | Min | Max | Units |
|-----------|-----------|--------|----------|--------|---------|-------------|---------------|-----|-----|-------|
| 6918 | PFBS | 0.9049 | 15.3980 | 0.1351 | -4.7302 | 0.9557 | 0.7628 | 127 | 751 | ng/L |
| Analyte # | Parameter | а | b | С | d | Mean R^2 | StdDev R^2 | Min | Max | Units |
| 6918 | PFBS | 1.0628 | -26.4475 | 0.1362 | -0.5887 | 0.9552 | 0.6668 | 127 | 751 | ng/L |



| Analyte # Parameter | | а | b | С | d | Mean | StdDev | Min | Max | Units |
|---------------------|------|--------|---------|--------|---------|--------|--------|-----|-----|-------|
| | | | | | | R^2 | R^2 | | | |
| 6918 | PFBS | 0.9049 | 15.3980 | 0.1351 | -4.7302 | 0.9557 | 0.7628 | 127 | 751 | ng/L |

| | | | | | | | | | | Study A.L. | Study A.L. | | Estimated | Estimated |
|------|------|----|------|-------|-------|----------|-------|--------|--------|------------|------------|---------|-----------|-----------|
| A.V. | Mean | n | SD | Study | Units | Provider | %Mean | %SD | %RSD | Low | High | Outlier | Mean | STDEV |
| 127 | 115 | 20 | 16 | 2022 | ng/L | | 91% | 12.60% | 13.91% | 65.4% | 116% | | 130 | 12 |
| 137 | 127 | 9 | 17.9 | 2021 | ng/L | | 93% | 13.07% | 14.09% | 66.6% | 119% | | 139 | 14 |
| 139 | 159 | 11 | 15.4 | 2020 | ng/L | | 114% | 11.1% | 9.7% | 92.2% | 137% | | 141 | 14 |
| 195 | 186 | 9 | 60.2 | 2021 | ng/L | | 95% | 30.87% | 32.37% | 33.6% | 157% | 3 | 192 | 22 |
| 256 | 285 | 10 | 25.9 | 2020 | ng/L | | 111% | 10.12% | 9.09% | 91.1% | 132% | | 247 | 30 |
| 274 | 277 | 53 | 36.4 | 2020 | ng/L | | 101% | 13.3% | 13.1% | 74.5% | 128% | | 263 | 32 |
| 284 | 252 | 7 | 16.1 | 2020 | ng/L | | 89% | 5.67% | 6.39% | 77.4% | 100% | | 272 | 34 |
| 295 | 265 | 59 | 33.6 | 2020 | ng/L | | 90% | 11.39% | 12.68% | 67.1% | 113% | | 282 | 35 |
| 322 | 297 | 46 | 35.2 | 2019 | ng/L | | 92% | 10.93% | 11.85% | 70.4% | 114% | | 307 | 39 |
| 329 | 320 | 50 | 38.6 | 2020 | ng/L | | 97.3% | 11.7% | 12.1% | 73.8% | 121% | | 313 | 40 |
| 384 | 373 | 56 | 57.3 | 2019 | ng/L | | 97% | 14.92% | 15.36% | 67.3% | 127% | | 363 | 47 |
| 391 | 358 | 11 | 52.6 | 2022 | ng/L | | 92% | 13.45% | 14.69% | 64.7% | 118% | | 369 | 48 |
| 409 | 379 | 7 | 60.6 | 2020 | ng/L | | 93% | 14.82% | 15.99% | 63.0% | 122% | 4 | 386 | 51 |
| 684 | 621 | 11 | 131 | 2021 | ng/L | | 91% | 19.15% | 21.10% | 52.5% | 129% | 2 | 634 | 88 |
| 751 | 879 | 6 | 72.3 | 2020 | ng/L | | 117% | 9.63% | 8.23% | 97.8% | 136% | 1 | 695 | 97 |
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| Analyte # Parameter | | а | b | с | d | Mean | StdDev | Min | Max | Units |
|---------------------|-------|--------|----------|--------|---------|--------|--------|-----|-----|-------|
| | | | | | | R^2 | R^2 | | | |
| 6903 | PFDOA | 0.9329 | -10.3024 | 0.1416 | -4.9172 | 0.9895 | 0.5299 | 63 | 472 | ng/L |





| Analyte # | Parameter | а | b | с | d | Mean R^2 | StdDev R^2 | Min | Мах | Units |
|-----------|-----------|--------|----------|--------|---------|-------------|---------------|-----|-----|-------|
| 6903 | PFDOA | 0.9329 | -10.3024 | 0.1416 | -4.9172 | 0.9895 | 0.5299 | 63 | 472 | ng/L |
| Analyte # | Parameter | а | b | С | d | Mean R^2 | StdDev R^2 | Min | Мах | Units |
| 6903 | PFDOA | 0.9889 | -19.2727 | 0.1223 | -1.8286 | 0.9729 | 0.4598 | 63 | 472 | ng/L |



| 6/20/2023 | 5 |
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| Analyte # Parameter | | а | b | С | d | Mean | StdDev | Min | Max | Units |
|---------------------|-------|--------|----------|--------|---------|--------|--------|-----|-----|-------|
| | | | | | | R^2 | R^2 | | | |
| 6903 | PFDOA | 0.9329 | -10.3024 | 0.1416 | -4.9172 | 0.9895 | 0.5299 | 63 | 472 | ng/L |

| | | | | | | | | | | Study A.L. | Study A.L. | | Estimated | Estimated |
|------|------|----|------|-------|-------|----------|-------|--------|--------|------------|------------|---------|-----------|-----------|
| A.V. | Mean | n | SD | Study | Units | Provider | %Mean | %SD | %RSD | Low | High | Outlier | Mean | STDEV |
| 63.3 | 61 | 52 | _9.9 | 2020 | ng/L | | 96% | 15.64% | 16.23% | 65.1% | 128% | | 49 | 4 |
| 86.9 | 80.6 | 18 | 7.14 | 2022 | ng/L | | 93% | 8.22% | 8.86% | 76.3% | 109% | | 71 | 7 |
| 160 | 133 | 8 | 13.6 | 2021 | ng/L | | 83% | 8.5% | 10.2% | 66.1% | 100% | | 139 | 18 |
| 217 | 198 | 10 | 21.8 | 2022 | ng/L | | 91% | 10.05% | 11.01% | 71.2% | 111% | | 192 | 26 |
| 223 | 178 | 7 | 13.9 | 2020 | ng/L | | 80% | 6.23% | 7.81% | 67.4% | 92% | | 198 | 27 |
| 272 | 244 | 26 | 24.4 | 2023 | ng/L | | 90% | 9.0% | 10.0% | 71.8% | 108% | | 243 | 34 |
| 276 | 224 | 7 | 68.2 | 2020 | ng/L | | 81% | 24.71% | 30.45% | 31.7% | 131% | | 247 | 34 |
| 378 | 354 | 10 | 21.6 | 2020 | ng/L | | 94% | 5.71% | 6.10% | 82.2% | 105% | | 342 | 49 |
| 435 | 466 | 6 | 32.4 | 2020 | ng/L | | 107% | 7.45% | 6.95% | 92.2% | 122% | 1 | 396 | 57 |
| 440 | 395 | 6 | 85.2 | 2020 | ng/L | | 89.8% | 19.4% | 21.6% | 51.0% | 129% | | 400 | 57 |
| 472 | 444 | 12 | 51.5 | 2020 | ng/L | | 94% | 10.91% | 11.60% | 72.2% | 116% | | 430 | 62 |
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| Analyte # Parameter | | а | b | с | d | Mean | StdDev | Min | Max | Units |
|---------------------|------|--------|----------|---------|--------|--------|--------|-----|-----|-------|
| | | | | | | R^2 | R^2 | | | |
| 6932 | PFOA | 1.0073 | -15.7010 | 0.07534 | 6.8709 | 0.9878 | 0.5976 | 100 | 429 | ng/L |





| Analyte # | Parameter | а | b | С | d | Mean R^2 | StdDev R^2 | Min | Мах | Units |
|-----------|-----------|--------|----------|---------|--------|-------------|---------------|-----|-----|-------|
| 6932 | PFOA | 1.0073 | -15.7010 | 0.07534 | 6.8709 | 0.9878 | 0.5976 | 100 | 429 | ng/L |
| Analyte # | Parameter | а | b | С | d | Mean R^2 | StdDev R^2 | Min | Мах | Units |
| 6932 | PFOA | 0.9698 | -5.9541 | 0.0935 | 9.1803 | 0.9423 | 0.1191 | 100 | 429 | ng/L |



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| Analyte # Parameter | | а | b | С | d | Mean | StdDev | Min | Max | Units |
|---------------------|------|--------|----------|---------|--------|--------|--------|-----|-----|-------|
| | | | | | | R^2 | R^2 | | | |
| 6932 | PFOA | 1.0073 | -15.7010 | 0.07534 | 6.8709 | 0.9878 | 0.5976 | 100 | 429 | ng/L |

| | | | | | | | | | | Study A.L. | Study A.L. | | Estimated | Estimated |
|------|------|----|------|-------|-------|----------|-------|--------|--------|------------|------------|---------|-----------|-----------|
| A.V. | Mean | n | SD | Study | Units | Provider | %Mean | %SD | %RSD | Low | High | Outlier | Mean | STDEV |
| 99.6 | 76.3 | 7 | 5.97 | 97 | ng/L | | 77% | 5.99% | 7.82% | 64.6% | 89% | | 85 | 14 |
| 102 | 83.3 | 11 | 14.3 | 2019 | ng/L | | 82% | 14.02% | 17.17% | 53.6% | 110% | | 87 | 15 |
| 123 | 92.8 | 7 | 21.4 | 94 | ng/L | | 75% | 17.4% | 23.1% | 40.7% | 110% | | 108 | 16 |
| 136 | 125 | 11 | 19.5 | 2019 | ng/L | | 92% | 14.34% | 15.60% | 63.2% | 121% | | 121 | 17 |
| 136 | 134 | 58 | 15.4 | 2020 | ng/L | | 99% | 11.32% | 11.49% | 75.9% | 121% | | 121 | 17 |
| 193 | 189 | 11 | 17.4 | 99 | ng/L | | 98% | 9.0% | 9.2% | 79.9% | 116% | | 179 | 21 |
| 227 | 223 | 55 | 22.4 | 2019 | ng/L | | 98% | 9.87% | 10.04% | 78.5% | 118% | | 213 | 24 |
| 231 | 238 | 12 | 69.6 | 2020 | ng/L | | 103% | 30.13% | 29.24% | 42.8% | 163% | 3 | 217 | 24 |
| 274 | 270 | 28 | 29.2 | 91 | ng/L | | 99% | 10.66% | 10.81% | 77.2% | 120% | | 260 | 28 |
| 300 | 280 | 21 | 24.1 | 96 | ng/L | | 93.3% | 8.0% | 8.6% | 77.3% | 109% | | 286 | 29 |
| 302 | 292 | 46 | 40.1 | 2019 | ng/L | | 97% | 13.28% | 13.73% | 70.1% | 123% | | 289 | 30 |
| 330 | 304 | 53 | 44.9 | 2020 | ng/L | | 92% | 13.61% | 14.77% | 64.9% | 119% | | 317 | 32 |
| 338 | 291 | 8 | 27.9 | 92 | ng/L | | 86% | 8.25% | 9.59% | 69.6% | 103% | | 325 | 32 |
| 344 | 353 | 8 | 37.1 | 2020 | ng/L | | 103% | 10.78% | 10.51% | 81.0% | 124% | | 331 | 33 |
| 345 | 387 | 7 | 155 | 2020 | ng/L | | 112% | 44.93% | 40.05% | 22.3% | 202% | 1 | 332 | 33 |
| 370 | 365 | 52 | 38.9 | 2020 | ng/L | | 99% | 10.51% | 10.66% | 77.6% | 120% | | 357 | 35 |
| 385 | 376 | 12 | 28.6 | 2020 | ng/L | | 98% | 7.43% | 7.61% | 82.8% | 113% | | 372 | 36 |
| 386 | 378 | 23 | 35.9 | 90 | ng/L | | 98% | 9.30% | 9.50% | 79.3% | 117% | | 373 | 36 |
| 386 | 377 | 10 | 34.3 | 98 | ng/L | | 98% | 8.89% | 9.10% | 79.9% | 115% | | 373 | 36 |
| 388 | 370 | 45 | 53.9 | 2019 | ng/L | | 95% | 13.89% | 14.57% | 67.6% | 123% | 3 | 375 | 36 |
| 396 | 374 | 55 | 45.6 | 2020 | ng/L | | 94% | 11.52% | 12.19% | 71.4% | 117% | | 383 | 37 |
| 406 | 298 | 9 | 25.7 | 95 | ng/L | | 73% | 6.33% | 8.62% | 60.7% | 86% | 1 | 393 | 37 |
| 429 | 413 | 11 | 23.6 | 93 | ng/L | | 96% | 5.50% | 5.71% | 85.3% | 107% | | 416 | 39 |
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| Fields of Proficiency Testing with PTRLs Image: Constraint of the second o | OFICIENC | YT | | | TNI PT for Accreditation | | | | | | |
|--|----------------|---------|---------|-------------|--|----------------------|---|--------------------|----------------|----------|------|
| Drinking Water Drinking Water Drinking Water Drinking Water Advise Effective: TBD Blue = New Analyte Macrial = Changes Matix EPA TNI CAS Analyte ² Core Range Acceptance Criteria ^{3ASS} TNI PTRL ⁷ Matix EPA TNI CAS Analyte ² Core Range Acceptance Criteria ^{3ASS} TNI PTRL ⁷ Trinking Water 2223 6948 37055-1292 11.1.1.2.1.2.4.2.4.2.4.2.4.2.4.2.4.2.4.2 | 2 Pet | .es | | | Fields of Proficiency Testing with PTRLs | | | | | | |
| Matrix EPA Analysis TNI Analysis Constrained Analysis Blue = New Analysis Magenta = Changes Matrix EPA Analysis TNI Analysis Cost Reserved Name Cost Reserved Reserved Name TNI PTRL ² Matrix EPA Analysis Cost Name FFA Name Cost | | | | | Drinking Water | | | | | | |
| Matrix EPA TNI Analyle Magenta = Changes TNI PTR. ² Matrix EPA TNI Analyle Analyle Core Range a b c d Intrinsity Mater 2813 9400 7600516.22 11-Chronolocoantures-1-sulforic acid (11-CL-PF3OLdS) 10 to 200 ±50% food acceptance limit 6 Intrinsity Mater 2813 9400 7600516.22 11-Chronolocoantures-1-sulforic acid (12-CL-PF3OLdS) 10 to 200 ±50% food acceptance limit 6 Intrinsity Mater 2813 9400 7600514.22 11-Chronolocoantures-1-sulforic acid (12-CLPF3OLdS) 10 to 200 ±50% food acceptance limit 6 Intrinsity Mater 281 9462 760054.52 11-Chronolocoantures acid (12-TF3) 10 to 200 ±50% food acceptance limit 6 Intrinsity Mater 2816 9462 760054.53 10 chronolocoantures acid (12-CLPF3OLGS) 10 to 200 ±50% food acceptance limit 6 Intrinsity Mater 2816 9482 1292-15-8 N=Thirtorocoanturesubcronolocoantures acid (11-FD-DA) 10 to 200 ±50% food accept | | | | | | | | | | | |
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| Product Product <t< th=""><th>IVIALITX</th><th>Apolyto</th><th>Apolyto</th><th>C 4 S</th><th>Analyte</th><th>Conc Range</th><th>•</th><th>Accept</th><th>ance criteria</th><th>4</th><th></th></t<> | IVIALITX | Apolyto | Apolyto | C 4 S | Analyte | Conc Range | • | Accept | ance criteria | 4 | |
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| Prinking Water 2815 6851 919005-144 4.8-Dixxa-3H-perfluorononnoic acid (DONA) 10 to 200 ±40% fixed acceptance limit 6 rinking Water 2816 9602 756426-88-1 9-Chirorhexaderafluor-3-summare-1-sufforic acid (9-CL-PF3ONS) 10 to 200 ±40% fixed acceptance limit 6 rinking Water 2816 4960 13222-13-6 Hexativacropyleneoxide dimer acid (HPPO-DA) (GenX) 10 to 200 ±40% fixed acceptance limit 6 rinking Water 2817 4846 2991-50-6 N-Ethylperfluorocotane sulforamido aceite acid (NMeFOSAA) 10 to 200 ±40% fixed acceptance limit 6 rinking Water 2823 6956 115172-88-6 Norafluoro-3-endeboxytame sulfora acid aceite acid (PFEESA) 10 to 200 ±40% fixed acceptance limit 6 rinking Water 2823 6966 63030-89-5 Perfluoro-4-metboxytame (PFBS) 10 to 200 ±40% fixed acceptance limit 6 rinking Water 2824 6966 63030-98-5 Perfluoro-4-metboxytame (acid (PFBA) 10 to 200 ±40% fixed acceptance limit 6 rinking Water 2807 6056 | rinking Water | 2820 | 6947 | 27619-97-2 | 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 10 to 200 | | ±40% fix | ked acceptance | celimit | 6 |
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| Drinking Water28096913307-24-4Perfluorohexanoic acid (PF-HxA)10 to 200±40% fixed acceptance limit6Drinking Water28046906375-95-1Perfluorononanoic acid (PF-NA)10 to 200±40% fixed acceptance limit6Drinking Water280569311763-23-1Perfluorootane sulfonic acid (PFOS)10 to 200±40% fixed acceptance limit6Drinking Water28066912335-67-1Perfluorootanoic acid (PFOA)10 to 200±40% fixed acceptance limit6Drinking Water282869342706-91-4Perfluorootanoic acid (PFPeS)10 to 200±40% fixed acceptance limit6Drinking Water282469142706-90-3Perfluorootanci acid (PFPeA)10 to 200±40% fixed acceptance limit6Drinking Water28106902376-06-7Perfluorootanci acid (PFTDA)10 to 200±40% fixed acceptance limit6Drinking Water2811956372629-94-8Perfluorotidecanoic acid (PFTDA)10 to 200±40% fixed acceptance limit6Drinking Water281295642766-97-8Perfluorotidecanoic acid (PFTDA)10 to 200±40% fixed acceptance limit6Drinking Water2812956372629-94-8Perfluorotidecanoic acid (PFTDA)10 to 200±40% fixed acceptance limit6Drinking Water281295642569-94-8Perfluoroundecanoic acid (PFTDA)10 to 200±40% fixed acceptance limit6Drinking Water281295642569-94 | Prinking Water | 2803 | 6927 | 355-46-4 | Perfluorohexane sulfonic acid (PFHxS) | 10 to 200 | | ±40% fix | ked acceptanc | celimit | 6 |
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| Writing Water 2806 6912 335-67-1 Perfluorooctanoic acid (PF-OA) 10 to 200 ±40% fixed acceptance limit 6 Orinking Water 2828 6934 2706-91-4 Perfluoroopentane sulfonic acid (PF-OA) 10 to 200 ±40% fixed acceptance limit 6 Orinking Water 2828 6934 2706-90-3 Perfluoroopentanoic acid (PF-PeS) 10 to 200 ±40% fixed acceptance limit 6 Orinking Water 2810 6902 376-06-7 Perfluorootetradecanoic acid (PF-DA) 10 to 200 ±40% fixed acceptance limit 6 Orinking Water 2811 9563 72629-94-8 Perfluorotridecanoic acid (PF-TDA) 10 to 200 ±40% fixed acceptance limit 6 Orinking Water 2812 6904 2058-94-8 Perfluoroundecanoic acid (PF-UNDA) 10 to 200 ±40% fixed acceptance limit 6 Orinking Water 2812 6904 2058-94-8 Perfluoroundecanoic acid (PF-UNDA) 10 to 200 ±40% fixed acceptance limit 6 Orinking Water 2812 6904 2058-94-8 Perfluoroundecanoic acid (PF-UNDA) 10 to 200 ±40% fixed acceptance limit 6 | Prinking Water | 2805 | 6931 | 1/63-23-1 | Perfluorooctane suitonic acid (PFOS) | 10 to 200 | | ±40% fix | ked acceptanc | | 6 |
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| | rinking Water | 2812 | 6904 | 2058-94-8 | Perfluoroundecanoic acid (PEUnDA) | 10 to 200 | | +40% fiv | red acceptant | ce limit | 6 |
| | A HIGH Y ALCI | 2012 | 0004 | 2000-04-0 | | 10 10 200 | | 170 /0 IIX | | | |

Attachment D: PTPEC Committee Action Item Summary – 2023.

| Item | Task Description | Document Number | TNI Contact | Task Added | Start Date | Due Date | Complete Date | Comments |
|------|--|--------------------|-------------|---------------|------------|----------|------------------|---|
| 431 | Discuss with IT Committee the need for LAMS updates to be communicated to the PTPEC. | | | 10/31/19 | | | | 2/17/21: Shawn to discuss with Mei Beth and Jerry. |
| 437 | Reach out to Sennet Kim and ANAB to confirm there is still an issue related to SCM FoPT table metals footnotes for fixed limits. | | | 3/26/20 | 3/26/20 | | | 2/17/21: On-going Shawn working with William to access data. 4/21/22: Shawn to follow-up. Sennet has left A2LA. 8/17/22: Shawn thinks this is still an issue. Need to look at this during evaluations. Fred said Nick Slawson is taking over as PT contact for A2LA. |

| Item | Task Description | Document Number | TNI Contact | Task Added | Start Date | Due Date | Complete Date | Comments |
|------|--|--------------------|-------------------------|---------------|------------|----------|------------------|--|
| 455 | Update SOP 4-107: FoPT Table Management | SOP 4-107 | PTP SOP Subcommittee | 2/19/21 | | | 11/29/23 | 2/18/21: Need procedures to make non-ARA changes to the table? 3/16/21: Received initial Policy Committee comments to review. 4/21/22: PTPEC approved. Sent to Policy Committee. 8/12/22: Policy sent comments to PTPEC. Add to agenda. 10/28/22: Sent to PTP SOP Subcommittee. To be discussed in December. 2/23: A few more changes are needed. Resubmitted to PT SOP Subcommittee. 10/27/23: SOP completed, approved by PTPEC and sent to Policy Committee for review. 11/29/23: SOP approved and posted. COMPLETE |

| Item | Task Description | Document | TNI Contact | Task | Start Date | Due Date | Complete | Comments |
|------|-------------------------------|-----------|--------------|---------|------------|----------|----------|-----------------------------|
| | | Number | | Added | | | Date | |
| 456 | Update SOP 4-101: | SOP 4-101 | PTP SOP | 2/18/21 | 2/18/21 | | | 2/18/21: Combined |
| | Recommendation, Evaluation, | | Subcommittee | | | | | workgroup established to |
| | and Calculation of Acceptance | | | | | | | complete SOP. |
| | Criteria and Applicable | | | | | | | 3/18/21: workgroup met and |
| | Concentration Ranges for | | | | | | | SOP Subcommittee will send |
| | Proficiency Tests | | | | | | | final DRAFT to Chemistry |
| | | | | | | | | FOPT Subcommittee for |
| | | | | | | | | examples. |
| | | | | | | | | Update 8/17/22: Examples |
| | | | | | | | | requested from Chemistry |
| | | | | | | | | FoPT Subcommittee that has |
| | | | | | | | | not met. PTPEC needs to |
| | | | | | | | | talk about when the next |
| | | | | | | | | limit updates will occur. |
| | | | | | | | | 3/24/23: Examples have been |
| | | | | | | | | added by Chemistry FoPT |
| | | | | | | | | Subcommittee and |
| | | | | | | | | resubmitted to the PT SOP |
| | | | | | | | | Subcommittee. |
| | | | | | | | | 6/23/23: Make sure SOP 4- |
| | | | | | | | | 101 includes procedures for |
| | | | | | | | | how data is received. |
| | | | | | | | | 11/29/23: Submitted to |
| | | | | | | | | PTPEC for final vote. |
| | | | | | | | | Vote will be in December. |

| Item | Task Description | Document | TNI Contact | Task | Start Date | Due Date | Complete | Comments |
|------|----------------------------|----------|-------------|---------|------------|----------|----------|---------------------------------|
| | | Number | | Added | | | Date | |
| 458 | Improve communication with | | | 2/18/21 | 8/1/22 | | | 8/1/22: Discussed at Crystal |
| | non-TNI AB stakeholders. | | | | | | | City meeting. |
| | | | | | | | | Need to help Advocacy |
| | | | | | | | | update the White Paper to |
| | | | | | | | | help reach out to other states. |
| | | | | | | | | Ambassador program. Also |
| | | | | | | | | need to include more non- |
| | | | | | | | | NELAP ABs in the |
| | | | | | | | | Executive and Expert |
| | | | | | | | | committees. Outreach |
| | | | | | | | | needed. |
| | | | | | | | | 10/28/22: Workgroup |
| | | | | | | | | formed to update paper. |
| | | | | | | | | 3/24/23: Paper completed |
| | | | | | | | | and sent to Advocacy |
| | | | | | | | | Committee. |

| Item | Task Description | Document Number | TNI Contact | Task Added | Start Date | Due Date | Complete Date | Comments |
|------|-----------------------------|--------------------|-----------------------------------|---------------|------------|----------|------------------|--|
| 459 | ARA: PFAS on DW table | | Chemistry FoPT Subcommittee | 12/1/20 | May 2021 | | | 12/1/20: ARA sent to Chemistry FoPT Subcommittee 2/18/21: Shawn has requested data. Subcommittee will start working on this after data is received. 5/21/21: Data has been received. There may not be enough. Need to determine next steps. Update 8/17/22: Survey of labs is complete, and data needs to be looked at. Amy DeMarco will be new Subcommittee Chair. 12/1/22: The Subcommittee will start working in February 2023. 3/24/23: Requesting more data from labs and requested PT Data from William. 11/29/23: Chem FoPT Submitted final recommendation to PTPEC. Needs further discussion in December. |
| 400 | Develop r 1 riogram metrics | | | 2/10/21 | 5/21/21 | | | partially as Charter was updated. Need to formalize. |

| Item | Task Description | Document Number | TNI Contact | Task Added | Start Date | Due Date | Complete Date | Comments |
|------|---|--------------------|-------------|---------------|------------|----------|------------------|---|
| 461 | Finish update to Radiochemistry FoPT Table | - DW Rad FoPT | | 2/18/21 | | | 4/28/23 | 2/18/21: Table submitted to PTPEC. PTPEC waiting for SOP 4-101 to be complete before reviewing table. 4/21/22: Table footnotes need to be updated before PTPEC can vote. Shawn will make these updates. 11/22/22: Updates complete and approved by Committee. Being sent to NELAP AC and PT Providers for comment before effective date approved. 3/24/23: Vote for effective date. 4/28/23: Effective date changed to 11/1/23. Closed |
| 462 | Feasibility: Radiochemistry Uncertainty to PT Evaluations | | | 2/18/21 | 2/22 | | | Jan 2022: Discussed in San Antonio. Radiochemistry Expert Committee to submit recommendation. 7/21/22: Recommendation sent to PTPEC for review. 10/28/22: Recommendations to be reviewed in November. 11/22/22: Radiochemistry Expert Committee recommendation to be sent to ERA for comment. |
| 463 | Feasibility: Technology Based PTs | | | 2/18/21 | | | | |
| 464 | Feasibility: Add Prep Methods on FoPT tables | | | 2/18/21 | | | | |
| 465 | Feasibility: Air and Emissions PTs | | | 2/18/21 | | | | |
| 470 | Determine timing for update of FoPT limits. | | | 7/21/22 | | | 4/00/02 | Determine after completion of SOP 4-101. |
| 471 | Advocacy White Paper | | | 1/11/23 | | | 4/28/23 | Paper submitted. |

| Item | Task Description | Document Number | TNI Contact | Task Added | Start Date | Due Date | Complete Date | Comments |
|------|---|--------------------|-----------------|---------------|------------|----------|------------------|--|
| 472 | DMR QA is requesting formal comments | | | 1/11/23 | | | 2/24/23 | Submitted. |
| 473 | State of Accreditation Update | | | 4/28/23 | | | Complete | The document was worked on during meeting and will be finalized by email and sent back to Lynn. |
| 474 | Ra-226 PTRL Issue – Respond | | | 6/23/23 | 6/23/23 | | Complete | Stacie will prepare response and get feedback through email before sending to Annmarie. |
| 475 | Potentially develop better process to get data for FoPT table updates. | | | 6/23/23 | | | | |
| 476 | Choose PTPA evaluator for upcoming evaluations. | | | 10/27/23 | 10/27/23 | | 10/27/23 | Stacie will join Ilona to evaluate PTPAs. |
| 477 | TNI leadership and Sigma to meet to manage a historical data base for Sigma. | | | 10/27/23 | | | | |
| 478 | Address 2 complaints regarding new Radiochemistry FoPT Limits. | | Stacie Ilona | 11/29/23 | 11/29/23 | | | |
| | | | | | | | | |