

4. CONCLUSION

The results obtained from PT are also an evident that proper method validation as well as implementation of QCs yields positive results. Implementation of Method validation, QCs and PT has assisted the laboratory to be able to assess Nitrate test method through PT outliers, QC breaches and method validation results, since then; there have been no uncertainty and inconsistency on Nitrate test results which had increased customer satisfaction and the level of confidence in the results we produce.

This study did not help the laboratory to assure quality of Nitrate results however; the laboratory also benefited from monitoring the accuracy and precision of a method, encourage collaboration between laboratories through PT and demonstrated technical competence against third parties

5. RECOMMENDATIONS

After the study, the following recommendations were made:

- To apply all the techniques, use on this study in all test methods
- To periodically re-validate test methods
- To periodically review QC limits by calculating using historic data
- To implement other ways of assuring quality of test results as this study only covered basic techniques

6. REFERENCES

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