

RQS® – Water [Chemistry & Contaminant] Testing PT Scheme (Code C)

PLEASE NOTE:

- (1) All water PT schemes include samples which are either standard concentrates or standard solutions in ultra pure water, which contain levels of contaminants usually, found in potable water samples. As well as Waste water.
- (2) Some water Chemistry PT schemes (W-CH) includes additional certified Reference Material (CRM).
- (3) Water Microbiology sample depend on Water matrices spiked with Reference culture.
- (4) Assigned value, Homogeneity and Stability performed by Subcontractor Lab.

| | PT Analyte Code | Matrix | Analyte | Approx. Size |
|----|-----------------|--|---|--------------|
| 1. | W-CH-001 | Drinking & Non-potable water, wastewater | PT sample for determination of TOC | |
| 2. | W-CH-002 | Drinking & Non-potable water, wastewater | Determination of 4 Element [Fe – Zn – Pb –Cu] by using Automatic absorption | |
| 3. | W-CH-003 | Drinking & Non-potable water, wastewater | PT Sample for Determination of 19 element [Al , Sb , As , Ba , Be , B , Cd , Cr , Cu , Fe , Pb , Mn, V, Ni , Si , Sr , Ti , Bi & Co .] by ICP-OES | |
| 4. | W-CH-004 | Drinking & Non-potable water, wastewater | PT Sample For Determination of Cadmium , Chromium , Copper , Iron , Manganese , Nickel , Lead and Zinc by ICP-OES | |
| 5. | W-CH-005 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Trace elements 10 elements in water (Fe, Zn, Cu, Co, Ni, Si, Pb, Mn, Mo and B) | |
| 6. | W-CH-006 | Drinking & Non-potable water, wastewater | PT sample determination of Zn , Mn , Cr and Pb in water by using AAS | |

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|-----|------------------------|---|--|---------------------|
| 7. | W-CH-007 | Drinking & Non-potable water, wastewater | PT sample for determination of Trihalomethanes by using Gas chromatography <ul style="list-style-type: none"> • Chloroform • Bromodichloromethane • Chlorodibromomethane • Bromoform Total THM | |
| 8. | W-CH-008 | Drinking & Non-potable water, wastewater | PT sample for determination of Poly Aromatic Hydrocarbons (PAHs) in water by using HPLC | |
| 9. | W-CH-009 | Drinking & Non-potable water, wastewater | PT sample for determination of sulfate in water by using Spectrophotometer | |
| 10. | W-CH-010 | Drinking & Non-potable water, wastewater | PT sample for determination of Phosphate in water by using Spectrophotometer | |
| 11. | W-CH-011 | Drinking & Non-potable water, wastewater | PT sample for determination of Nitrite in water by using Spectrophotometer | |
| 12. | W-CH-012 | Drinking & Non-potable water, wastewater | PT sample for determination of Conductivity in water by using Conductivity Meter | |
| 13. | W-CH-013 | Drinking water, | PT sample for determination of pH In water by using pH meter | |
| 14. | W-CH-014 | wastewater | PT sample for determination of pH In waste water by using pH meter | |
| 15. | W-CH-015 | Drinking & Non-potable water, wastewater | PT sample for determination of Alkalinity in water by Titration technique [Glass Burette] | |
| 16. | W-CH-016 | Drinking & Non-potable water, wastewater | PT sample for determination of [Chlorides in water by Titration technique | |
| 17. | W-CH-017 | Drinking & Non-potable water, wastewater | PT sample for determination of Total Hardness in water by Titration technique [Glass Burette] <ul style="list-style-type: none"> • Total Hardness • Ca Hardness Mg Hardness | |

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| 18. | W-CH-018 | Drinking & Non-potable water, wastewater | PT sample for determination of Turbidity in water by using Turbidimeter | |
| | | | PT Sample for Determination of EC in Soil | |
| 19. | W-CH-019 | Drinking & Non-potable water, wastewater | PT Sample for determination of dissolved oxygen by using optical sensor methods. | |
| 20. | W-CH-020 | Drinking & Non-potable water, wastewater | PT Sample for determination of BOD | |
| 21. | W-CH-021 | Drinking & Non-potable water, wastewater | PT Sample for determination of COD | |
| 22. | W-CH-022 | Drinking & Non-potable water, wastewater | Determination of Residue Endosulfan I | |
| 23. | W-CH-023 | Soil | PT Sample for determination of pH In Soil | |
| 24. | W-CH-024 | Drinking & Non-potable water, wastewater | PT Sample for UV spectrophotometer assay | |
| 25. | W-CH-025 | Drinking & Non-potable water, wastewater | PT Sample for Determination of color in water | |
| 26. | W-CH-026 | Drinking & Non-potable water | PT Sample for Determination of T.D.S | |
| 27. | W-CH-027 | Drinking & Non-potable water, wastewater | PT Sample for Determination of chlorinated pesticides by using GC | |
| 28. | W-CH-028 | Drinking & Non-potable water, wastewater | PT Sample for Determination of phenol by using GC | |
| 29. | W-CH-029 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Mercury [Hg]by using Atomic Absorption Spectrometry | |
| 30. | W-CH-030 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Alderine dialderine by using GC | |

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| 31. | W-CH-031 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Atrazine Pesticide by using GC | |
| 32. | W-CH-032 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Oil and Grease by using IR - Spectroscopy | |
| 33. | W-CH-033 | Drinking & Non-potable water, wastewater | PT Sample for determination of Ammonia using Spectrophotometer | |
| 34. | W-CH-034 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Anion [Sulphate (So4), Nitrate (No3), Nitrite (No2) ,Phosphate (Po4),Chloride (Cl), & iodide (I)] by using IC | |
| 35. | W-CH-035 | Drinking & Non-potable water, wastewater | PT Sample for Determination of anion [Bromide (Br),Fluoride (F), Carbonates (Co3), Bi carbonates (Hco3) , Sulphide (S) & Hydroxides (OH)] by using IC | |
| 36. | W-CH-036 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Cation lithium (Li) , Sodium (Na) , Potassium (K) , Ammonium (NH4) , Calcium (Ca) , Copper (Cu) & Iron (Fe) , by using IC | |
| 37. | W-CH-037 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Cation Aluminium (Al) , Magnesium (Mg), Zinc (Zn) , Lead (pb) & Barium (Ba) by using IC | |
| 38. | W-CH-038 | Drinking & Non-potable water, wastewater | PT Sample for determination of Total Solid | |
| 39. | W-CH-039 | Drinking & Non-potable water, wastewater | PT Sample for determination of TSS | |
| 40. | W-CH-040 | Drinking water | PT Sample for Determination of free chorine | |
| 41. | W-CH-041 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Viscosity | |
| 42. | W-CH-042 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Disinfection by-product | |

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| 43. | W-CH-043 | Drinking & Non-potable water, wastewater | PT Sample for Determination of VOCs | |
| 44. | W-CH-044 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Cis-Chloridane | |
| 45. | W-CH-045 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Trans-Chloridane | |
| 46. | W-CH-046 | Drinking & Non-potable water, wastewater | PT Sample for Determination of SR Phosphate | |
| 47. | W-CH-047 | Drinking & Non-potable water, wastewater | PT Sample for Determination of Haloacetic acids (HAAs), | |
| 48. | W-CH-048 | Water | PT Sample for Determination of Phenolic Compounds in Water | |
| 49. | W-CH-049 | Drinking & Non-potable water, wastewater | PT sample for determination of trace metals by ICP-Ms for [18 Element]Be, Al, V, Cr, Mn, Co, Ni, Cu, Zn, As, se, Ag, Cd, Sb, pb, Mo, Ba, Sr | |
| 50. | W-CH-050 | Drinking & Non-potable water, wastewater | PT Sample Determination of Heavy Metals 11 element [Cd, Fe, Pb, Cr, Cu, Zn, As, k, B, Co, V]in waste water by using Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) | |
| 51. | W-CH-051 | Drinking & Non-potable water, wastewater | PT Sample for Determination of heavy metal (Al, Cr , Mn , Ni, Cu, Zn and Ba) by using ICP | |
| 52. | W-CH-052 | wastewater | PT Sample for Determination of T.D.S | |
| 53. | W-CH-053 | wastewater | PT Sample for determination of Nitrate by spectrophotometer | |

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