

# **ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092**

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

## **METALS CONFORMANCE/NON-CONFORMANCE SUMMARY**

CHEMTECH PROJECT NUMBER: Q1730

MATRIX: Water

METHOD: 6020B,7470A

	NA	NO	YES
1. Calibration Summary met criteria.			✓
2. ICP Interference Check Sample Results Summary Submitted.			✓
3. Serial Dilution Summary (if applicable) Submitted.			✓
4. Laboratory Control Sample Summary (if applicable) Submitted.			✓
5. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6. Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria The Matrix Spike (OU4-CF-15-040325MS) analysis met criteria for all samples except for Arsenic, Silver due to matrix interference. The Matrix Spike Duplicate(OU4-CF-15-040325MSD) analysis met criteria for all samples except for Arsenic, Silver due to matrix interference.			✓
7. Sample Duplicate Analysis Met QC Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
8. Digestion Holding Time Met If not met, list number of days exceeded for each sample:			✓
9. Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

ADDITIONAL COMMENTS: All samples are diluted 5X dilution as straight analysis because of high and pure acid concentration of two acids which can cause drastic damage to the instrument.

Internal standard 89(1&2) were out of QC limits for samples Q1730-02, Q1730-04, Q1730-08, Q1730-12 and Q1730-16 in 5X run, so for these samples affected parameters were reported from 10X dilutions.

Internal standard 89(1&2) were out of QC limits for sample Q1730-06 in 5X and 10X run so for this sample affected parameters were reported from 25X dilutions.

Internal standard 89(1) was out of QC limits for samples Q1730-10, Q1730-18, Q1730-20 and its QC set in 5X run, so for these samples affected parameters were reported from 10X dilutions.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

QA REVIEW

Date