

**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: P5306

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-VSL-07-121224MS) analysis met criteria for all samples except for Cadmium, Silver and Thallium due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (OU4-VSL-07-121224MSD) analysis met criteria for all samples except for Cadmium and Silver due to Chemical Interference during Digestion Process.			
7. Sample Duplicate Analysis Met QC Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range. The Duplicate (OU4-VSL-07-121224DUP) analysis met criteria for all samples except for Lead due to sample matrix interference.			
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: Internal standard 89Y(1) was out Side qc limit for sample P5306-02 and its Qcs, P5306-08, and P5306-10 in Original so for this sample affected parameters are reported from 10X Dilution.

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.

P5306- SPLP 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.

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QA REVIEW

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Date