

**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: Q1769

MATRIX: Solid

METHOD: 6020B

	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 If not met, list those compounds and their recoveries which fall outside the acceptable range.  The Matrix Spike (S-873-KI-SO-1.0-1.5-040925MS) analysis met criteria for all samples except for Silver due to matrix interference. The Matrix Spike Duplicate(S-873-KI-SO-1.0-1.5-040925MSD) analysis met criteria for all samples except for 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 analyzed and reported with straight 5X dilution because of soil sample matrix was very smelly and possible contains organic chemical interference which causes enhancement effect to the internal standard causing QC failure and possible not the correct concentration of required analyte.

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.

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QA REVIEW

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Date