

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

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

**METALS CONFORMANCE/NON-CONFORMANCE SUMMARY**

ORDER ID: Q2558

MATRIX: Solid

METHOD: 6010D,7471B

	NA	NO	YES
1. Calibration Summary met criteria.			✓
2. ICP Interference Check Sample Results Summary Submitted.			✓
3. Serial Dilution Summary (if applicable) Submitted.		✓	
The Serial Dilution (ARS20-0039L) met criteria for all compounds except for Iron due to sample matrix interference.			
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 (ARS20-0039MS) analysis met criteria for all compounds except for Antimony, Silver, and Vanadium due to Chemical Interference during Digestion Process. The Matrix Spike (OU4-TS-Grillo-OG-070925MS) analysis met criteria for all compounds except for Mercury due to sample matrix interference. The Matrix Spike Duplicate (ARS20-0039MSD) analysis met criteria for all compounds except for Antimony, Arsenic, Copper, Lead, Silver and Vanadium due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (OU4-TS-Grillo-OG-070925MSD) analysis met criteria for all compounds except for Mercury 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.			
The Duplicate (ARS20-0039DUP) analysis met criteria for all compounds except for Copper due to sample matrix interference.			
8. Digestion Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

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**METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)**

	NA	NO	YES
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

The Post Digest Spike (ARS20-0039A) analysis met criteria for all compounds except for Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

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QA REVIEW

\_\_\_\_\_  
Date