

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

GENERAL CHEMISTRY CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH QC BATCHID: LB138072

	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.	_____	_____	_____✓
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:

- 1) Q3642-01MS\MSD fail for Cu,Mg,Ag,Zn, because sample matrix is having very tiny rocks and homogenous mixture may be not possible due to uneven size and have cause interference during digestion..
- 2)Q3740-01MS\MSD fail for Sb,K,V due to soil matrix has brown ting stones along with soil and they may have cause unknown interference during digestion leading to failure.
3. Q3740, Q3739 has very greenish type of digested sample, looks vey highly unknown contaminations and may be some type of organic interferences which can cause instrument failure for QC(CCV,CCB) due to suppression effect and could cause sample introduction issue and carryover problem.

Analyst jaswal

Date 12/3/2025 12:00:00 AM

QA REVIEW

Date

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NA NO YES

4. Q3732,Q3733,Q3735,Q3736 has very dirty smell and oily material and looks unknown interferences from the soil which can suppress the actual concentration without dilution and also can effect the path of sample probe and tubes and the nebulizer(can be blocked to make the small orifice and hence can effect QC failure. So dilution was necessary as per my observation.

Analyst jaswal

Date 12/3/2025 12:00:00 AM

QA REVIEW

Date