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AURO SOLUTION LEAD REDUCTION TEST REPORT

Report # 15-152 (Auro Solution)
Customer Name: Auro, Inc.
Report Date: July 3, 2015

EXECUTIVE SUMMARY

A challenge water prepared with Lead a concentration of 150 µg/L. Auro Solution was added to the solution at a concentration of 2 mL of Auro per liter of challenge water. The solution was filtered through the Auro Ceramic Filter System, then tested for Lead after 24, and 48 hours of adding the Auro solution. The concentration of Lead decreased to non-detectable levels.

INTRODUCTION

A challenge water prepared with Lead a concentration of 150 µg/L. Auro Solution was added to the solution at a concentration of 2 mL of Auro per liter of challenge water. The solution was filtered through the Auro Ceramic Filter System, then tested for Lead after 24, and 48 hours of adding the Auro solution. The concentration of Lead decreased to non-detectable levels.

REAGENTS AND LAB EQUIPMENT

Perkin Elmer Spectrometer.
Lead Standard Solution.
Auro Solution.
Auro Ceramic Filter System.

PROCEDURE

A challenge water solution was prepared with DI water and Lead standards at a concentration of about 150 µg/L; then added Auro Solution to the challenge water at a concentration of 2 mL of Auro per liter of challenge water, filtered the solution through the Auro Ceramic Filter System, then tested for Lead after 24, and 48 hours of adding the Auro solution, following the EPA method 200.9.

RESULTS

The Lead concentrations for the challenge water and filtered Auro Solution are summarized in the following table:

Parameter Tested	Water Solution	Auro 2 mL/L after 24 hrs.	Auro 2 mL/L after 48 hrs.
Lead	149.5 µg/L	<2 µg/L	<2 µg/L

CONCLUSION

The concentration of Lead decreased to non-detectable levels when using the Auro solution combined with the Auro Ceramic Filter System.

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