

April 22, 2011 Analytical Chemists

Lab ID : SP 1103577-001  
Customer ID : 2-23748

**Seychelle Water Filtration Products**  
32963 Calle Perfecto  
San Juan Capistrano, CA 92675

Sampled On : April 7, 2011-00:00  
Sampled By : Not Available  
Received On : April 11, 2011-10:15  
Matrix : Drinking Water

Description : Bottle 1st Uranium Portion  
Project : Seychelle

**Sample Result - Radio**

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
<b>Radio Chemistry<sup>P,1</sup></b>								
Gross Beta	0.000 ± 1.14	1.93	pCi/L	50	900.0	04/19/11:204213	900.0	04/20/11:205836
Total Alpha Radium (226)	0.551 ± 1.19	1.65	pCi/L	3	903.0	04/18/11:204162	903.0	04/19/11:205787
Uranium	4.61 ± 4.04	1.79	pCi/L	20	908.0	04/15/11:204077	908.0	04/16/11:205547

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: HNO3 pH < 2 \* PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.  
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).  
AV = (Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following  
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

**Drinking Water Compliance:**

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L  
Uranium is less than or equal to 20 pCi/L  
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Note: Cs-137 utilized in Gross Beta Radioactivity removal test.  
In each portion of Cs-137 added 100% was removed.  
Michel M. Franco, Radiochemistry Technical Advisor