
***** G A M M A S P E C T R U M A N A L Y S I S *****

OYSTER CREEK NUCLEAR GENERATING STATION CHEMISTRY DEPARTMENT

Detector Name : DET01
Report Generated On : 4/25/09 4:12:09 PM
Spectral Data File Name : C:\PCNT2K\CAMFILES\3LLIQMAR\800244.CNF

Sample Title : 3-L Liq Mar'lli
Sample Description : CST Decay Study
User ID : Bob
Sample Type : 8
Sample Geometry : 3-L Marinelli

Peak Locate Threshold : 3.00
Peak Locate Range (in channels) : 1 - 4096
Peak Area Range (in channels) : 100 - 4096
Identification Energy Tolerance : 1.000 keV

Sample Size : 3000.00 cc

Sample Taken On : 4/25/09 1:35:00 PM
Acquisition Started : 4/25/09 3:55:23 PM
Decay Time : 1.40E+002 Minutes

Live Time : 1000.0 Seconds
Real Time : 1004.0 Seconds
Dead Time : 0.40 %

Energy Calibration Used Done On : 1/8/09
Efficiency Calibration Used Done On : 8/5/06

4-25-09

***** B A C K G R O U N D S U B T R A C T R E P O R T *****

Detector Name: DET01

Sample Title: 3-L Liq Mar'lli

Peak Analysis Performed on: 4/25/09 4:12:09 PM

Peak No.	Energy (keV)	Original Area	Orig. Area Uncert.	Ambient Background	Backgr. Uncert.	Subtracted Area	Subtracted Uncert.
1	249.57	4.00E+001	7.46			4.00E+001	7.46E+000

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma

 ***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****

Nuclide Name	Nuclide Id Confidence	Wt mean Activity (uCi/cc)	Wt mean Activity Uncertainty
XE-135	0.960	7.07E-008	1.35E-008
Total Activity		7.07E-008	

? = nuclide is part of an undetermined solution

X = nuclide rejected by the interference analysis

@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 1.000 sigma

***** U N I D E N T I F I E D P E A K S *****

Peak Locate Performed on: 4/25/09 4:12:09 PM
 Peak Locate From Channel: 100
 Peak Locate To Channel: 4096

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty
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All peaks were identified.

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma