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B A C K G R O U N D S U B T R A C T R E P O R T  
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Detector Name: DET01  
Sample Title: 1-L Solid Releas  
Peak Analysis Performed on: 4/25/09 4:07:58 AM

Peak Subtracted No. (keV) Uncert.	Energy	Original Area	Orig. Uncert.	Area Background	Ambient Uncert.	Backgr. Area	Subtracted Area
1	238.65	7.99E+001	15.97				7.99E+001
1.60E+001							
2	351.65	3.61E+001	10.11				3.61E+001
1.01E+001							
3	582.61	3.19E+001	7.15				3.19E+001
7.15E+000							
4	609.11	2.77E+001	7.67				2.77E+001
7.67E+000							
5	661.01	1.83E+001	7.07				1.83E+001
7.07E+000							
6	1172.79	6.73E+001	8.92				6.73E+001
8.92E+000							
7	1332.21	5.25E+001	7.89				5.25E+001
7.89E+000							

M = First peak in a multiplet region  
m = Other peak in a multiplet region  
F = Fitted singlet

Errors quoted at 1.000 sigma

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                  N U C L I D E   M D A   R E P O R T  
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Detector Name:            DET01  
Sample Geometry:         1-L Marinelli  
Sample Title:            1-L Solid Releas  
Nuclide Library Used:    C:\GENIE2K\CAMFILES\AnSolMDA.NLB

Activity (uCi/gram)	Nuclide Name	Energy (keV)	Yield (%)	Line MDA (uCi/gram)	Nuclide MDA (uCi/gram)	
8.59E-009	CS-134	563.23	8.38	7.44E-007	8.85E-008	-
2.42E-008		569.32	15.43	3.42E-007		-
1.70E-008		604.70	97.60	8.85E-008		
1.19E-008		795.84	85.40	9.63E-008		-
3.21E-008		801.93	8.73	9.99E-007		-
2.06E-007		1365.15	3.04	1.91E-006		
6.98E-008	+ CS-137	661.65*	85.12	1.10E-007	1.10E-007	

+ = Nuclide identified during the nuclide identification  
\* = Energy line found in the spectrum  
> = MDA value not calculated  
@ = Half-life too short to be able to perform the decay correction

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 \*\*\*\*\* N U C L I D E I D E N T I F I C A T I O N R E P O R T  
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Sample Title: 1-L Solid Releas  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\AnSolMDA.NLB

IDENTIFIED NUCLIDES

Nuclide Name	Id Confidence	Energy (keV)	Yield (%)	Activity (uCi/gram)	Activity Uncertainty
CO-60	0.979	1173.22*	100.00	3.68E-007	4.92E-008
		1332.49*	100.00	3.21E-007	4.87E-008
CS-137	0.937	661.65*	85.12	6.98E-008	2.70E-008
BI-211	0.583	351.10*	12.20	5.07E-007	1.43E-007
		404.80	4.10		
PB-212	0.709	87.20	6.30		
		89.80	1.75		
		238.63*	44.60	2.11E-007	4.24E-008
BI-214	0.657	300.09	3.41		
		609.31*	46.30	1.79E-007	4.98E-008
		934.06	3.21		
		1764.49	15.80		

\* = Energy line found in the spectrum.  
 @ = Energy line not used for Weighted Mean Activity  
 Energy Tolerance : 1.000 keV  
 Nuclide confidence index threshold = 0.30  
 Errors quoted at 1.000 sigma

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\*\*\*\*\* INTERFERENCE CORRECTED REPORT  
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Nuclide Name	Nuclide Id Confidence	Wt mean Activity (uCi/gram)	Wt mean Activity Uncertainty
CO-60	0.979	3.44E-007	3.46E-008
CS-137	0.937	6.98E-008	2.70E-008
BI-211	0.583	5.07E-007	1.43E-007
PB-212	0.709	2.11E-007	4.24E-008
BI-214	0.657	1.79E-007	4.98E-008

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Total Activity 1.31E-006

? = 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

\*\*\*\*\* UNIDENTIFIED PEAKS \*\*\*\*\*

Peak Locate Performed on: 4/25/09 4:07:58 AM  
Peak Locate From Channel: 100  
Peak Locate To Channel: 4096

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty
3	582.61	2.40E-002	22.44

M = First peak in a multiplet region  
m = Other peak in a multiplet region  
F = Fitted singlet

Errors quoted at 1.000 sigma