APPENDIX C. Gamma Spectroscopy, ICP-MS, and XRF, XRD Sample Results and QA Results

Table 7. Gamma spectroscopy analytical results for Mn-54, Co-57, Zn-65, Sr-85, Ru-106, Ce-139, and Cs-137.

ADP FILE/NOTEBOOK REF	WSRC-NB-2003-00207 pg 107		
Sample ID	300242781		
Comment			
Count Date	9/25/2007		
Count Time	13:44		
Count Duration (sec)	7200		
	Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
	Mn-54	1.86E+01	10.5%
	Co-57	4.60E+00	22.9%
	Zn-65	<1.29E+01	MDA
	Sr-85	3.65E+02	2.39%
	Ru-106	<5.57E+01	MDA
	Ce-139	<5.15E+00	MDA
	Cs-137	<7.55E+00	MDA
Sample ID	300242782		
Comment			
Count Date	9/25/2007		
Count Time	15:48		
Count Duration (sec)	7200		
	Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
	Mn-54	<5.59E+00	MDA
	Co-57	<4.00E+00	MDA
	Zn-65	<1.27E+01	MDA
	Sr-85	2.31E+02	2.88%
	Ru-106	<5.26E+01	MDA
	Ce-139	<4.46E+00	MDA
	Cs-137	<3.29E+00	MDA
Sample ID	300242783		
Comment			
Count Date	9/25/2007		
Count Time	17:52		
Count Duration (sec)	7200		
	Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
	Mn-54	<5.43E+00	MDA
	Co-57	<4.16E+00	MDA
	Zn-65	<1.65E+01	MDA
	Sr-85	3.13E+02	2.55%
	Ru-106	<5.44E+01	MDA

Ce-139	<4.81E+00	MDA
Cs-137	1.26E+01	15.5%

Sample ID	300242784
Comment	
Count Date	9/25/2007
Count Time	19:55
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	<6.10E+00	MDA
Co-57	<3.18E+00	MDA
Zn-65	<1.47E+01	MDA
Sr-85	3.02E+02	2.58%
Ru-106	<4.97E+01	MDA
Ce-139	<4.96E+00	MDA
Cs-137	1.35E+01	14.4%

Sample ID	300242785
Comment	
Count Date	9/25/2007
Count Time	21:59
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	<4.41E+00	MDA
Co-57	1.42E+01	13.6%
Zn-65	<1.42E+01	MDA
Sr-85	6.00E+02	2.11%
Ru-106	<6.48E+01	MDA
Ce-139	<6.12E+00	MDA
Cs-137	1.85E+02	3.27%

Sample ID	300242786
Comment	
Count Date	9/26/2007
Count Time	12:03
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	1.94E+03	1.23%
Co-57	1.36E+03	1.54%
Zn-65	2.40E+02	4.39%
Sr-85	8.87E+02	2.01%
Ru-106	<1.90E+02	MDA
Ce-139	<9.27E+00	MDA
Cs-137	2.68E+02	3.26%

Sample ID	300242787
Comment	
Count Date	9/26/2007
Count Time	2:06
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	7.12E+00	24.4%
Co-57	8.07E+00	17.7%
Zn-65	<1.53E+01	MDA
Sr-85	4.04E+02	2.40%
Ru-106	<5.40E+01	MDA
Ce-139	<4.73E+00	MDA
Cs-137	1.23E+02	3.83%

Sample ID	300242788
Comment	
Count Date	9/26/2007
Count Time	4:10
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	6.02E+01	6.30%
Co-57	2.65E+01	7.81%
Zn-65	1.63E+01	23.6%
Sr-85	5.73E+02	2.17%
Ru-106	<7.52E+01	MDA
Ce-139	1.39E+01	13.2%
Cs-137	1.94E+02	3.32%

Sample ID	300242789
Comment	
Count Date	9/26/2007
Count Time	7:52
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	2.85E+03	1.04%
Co-57	2.64E+03	1.43%
Zn-65	2.58E+03	1.70%
Sr-85	1.07E+03	1.77%
Ru-106	2.78E+02	Upper Limit
Ce-139	1.66E+02	2.93%
Cs-137	1.10E+03	1.57%

Sample ID	300242790
Comment	

Count Date	9/26/2007
Count Time	10:56
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	2.57E+03	1.05%
Co-57	2.25E+03	1.44%
Zn-65	1.62E+03	1.86%
Sr-85	9.64E+02	1.86%
Ru-106	<1.82E+02	MDA
Ce-139	1.28E+02	2.97%
Cs-137	9.37E+02	1.63%

Sample ID	300242791
Comment	
Count Date	9/26/2007
Count Time	13:59
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	2.80E+02	2.20%
Co-57	8.20E+01	3.43%
Zn-65	7.72E+00	20.4%
Sr-85	9.22E+01	1.84%
Ru-106	<7.99E+01	MDA
Ce-139	<6.76E+00	MDA
Cs-137	8.89E+02	1.54%

Sample ID	300242792
Comment	
Count Date	9/26/2007
Count Time	17:03
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	<5.56E+00	MDA
Co-57	<3.82E+00	MDA
Zn-65	<1.18E+01	MDA
Sr-85	2.90E+02	2.23%
Ru-106	<3.04E+01	MDA
Ce-139	<4.39E+00	MDA
Cs-137	3.01E+02	2.19%

Sample ID	300242793
Comment	
Count Date	9/26/2007
Count Time	20:07
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	7.58E+02	1.47%
Co-57	5.04E+02	1.69%
Zn-65	2.31E+02	3.97%
Sr-85	9.05E+02	1.84%
Ru-106	<1.02E+02	MDA
Ce-139	6.19E+00	26.5%
Cs-137	2.52E+02	2.58%

Sample ID	300242794
Comment	
Count Date	9/26/2007
Count Time	23:10
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	3.14E+03	1.02%
Co-57	3.03E+03	1.42%
Zn-65	2.89E+03	1.66%
Sr-85	1.22E+03	1.75%
Ru-106	9.98E+02	5.85%
Ce-139	3.74E+02	2.01%
Cs-137	5.55E+02	2.33%

Sample ID	300242795
Comment	
Count Date	9/27/2007
Count Time	2:14
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	1.75E+01	10.7%
Co-57	6.68E+00	17.4%
Zn-65	<1.13E+01	MDA
Sr-85	7.64E+02	1.86%
Ru-106	<4.54E+01	MDA
Ce-139	<5.06E+00	MDA
Cs-137	1.14E+02	3.41%

ADP FILE/NOTEBOOK REF	WSRC-NB-2003-00207 pg 107
Sample ID	300242796
Comment	
Count Date	9/26/2007
Count Time	10:45
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc

Mn-54	3.41E+00	28.8%
Co-57	4.35E+00	26.7%
Zn-65	<1.14E+01	MDA
Sr-85	6.83E+02	1.86%
Ru-106	<4.39E+01	MDA
Ce-139	<4.98E+00	MDA
Cs-137	1.10E+02	3.45%

Sample ID	300242797
Comment	
Count Date	9/26/2007
Count Time	13:57
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	1.59E+01	12.3%
Co-57	1.33E+01	12.1%
Zn-65	<1.35E+01	MDA
Sr-85	8.66E+02	1.91%
Ru-106	<7.00E+01	MDA
Ce-139	<6.95E+00	MDA
Cs-137	5.95E+02	1.87%

Sample ID	300242798
Comment	
Count Date	9/26/2007
Count Time	15:21
Count Duration (sec)	10800

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	6.28E+00	17.3%
Co-57	1.09E+01	16.4%
Zn-65	<7.87E+00	MDA
Sr-85	8.66E+02	1.80%
Ru-106	<5.01E+01	MDA
Ce-139	<4.57E+00	MDA
Cs-137	5.23E+02	1.73%

Sample ID	300242799
Comment	
Count Date	9/26/2007
Count Time	15:59
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	5.50E+00	21.2%
Co-57	9.19E+00	17.1%
Zn-65	<1.01E+01	MDA

Sr-85	8.72E+02	1.73%
Ru-106	<4.64E+01	MDA
Ce-139	<4.88E+00	MDA
Cs-137	5.15E+02	1.57%

Sample ID	300242800
Comment	
Count Date	9/27/2007
Count Time	9:13
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	2.28E+01	9.52%
Co-57	1.72E+01	11.5%
Zn-65	<1.52E+01	MDA
Sr-85	9.21E+02	1.87%
Ru-106	<6.53E+01	MDA
Ce-139	<7.03E+00	MDA
Cs-137	5.25E+02	1.94%

Sample ID	300242801
Comment	
Count Date	9/27/2007
Count Time	11:17
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	6.81E+00	19.5%
Co-57	1.06E+01	21.2%
Zn-65	<1.39E+01	MDA
Sr-85	9.17E+02	1.88%
Ru-106	<6.43E+01	MDA
Ce-139	<7.25E+00	MDA
Cs-137	6.12E+02	1.87%

Sample ID	300242802
Comment	
Count Date	9/27/2007
Count Time	13:21
Count Duration (sec)	7200

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	<6.71E+00	MDA
Co-57	1.02E+01	16.4%
Zn-65	<1.52E+01	MDA
Sr-85	9.35E+02	1.88%
Ru-106	<6.99E+01	MDA
Ce-139	<7.38E+00	MDA

Cs-137	6.79E+02	1.78%

Sample ID	300242803
Comment	
Count Date	9/27/2007
Count Time	11:43
Count Duration (sec)	3600

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	9.28E+00	29.1%
Co-57	1.27E+01	26.3%
Zn-65	<2.48E+01	MDA
Sr-85	1.03E+03	2.21%
Ru-106	<1.20E+02	MDA
Ce-139	<1.14E+01	MDA
Cs-137	1.11E+03	2.00%

Sample ID	300242804
Comment	
Count Date	9/27/2007
Count Time	12:47
Count Duration (sec)	3600

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	3.85E+01	10.9%
Co-57	2.60E+01	12.3%
Zn-65	2.32E+01	23.6%
Sr-85	1.04E+03	2.20%
Ru-106	<1.16E+02	MDA
Ce-139	<7.90E+00	MDA
Cs-137	9.97E+02	2.08%

Sample ID	300242805
Comment	
Count Date	9/27/2007
Count Time	13:51
Count Duration (sec)	3600

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	<1.23E+01	MDA
Co-57	1.41E+01	15.5%
Zn-65	<2.31E+01	MDA
Sr-85	6.68E+02	2.46%
Ru-106	<8.58E+01	MDA
Ce-139	<9.47E+00	MDA
Cs-137	1.92E+02	4.31%

Sample ID	300242806
Comment	
Count Date	9/27/2007
Count Time	15:51
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	2.65E+01	7.11%
Co-57	2.26E+01	8.09%
Zn-65	1.61E+01	15.7%
Sr-85	7.17E+02	1.81%
Ru-106	<4.77E+01	MDA
Ce-139	4.83E+00	17.8%
Cs-137	2.63E+02	2.09%

Sample ID	300242807
Comment	
Count Date	9/27/2007
Count Time	19:55
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	<4.38E+00	MDA
Co-57	9.21E+00	15.6%
Zn-65	<6.74E+00	MDA
Sr-85	5.16E+02	1.91%
Ru-106	<3.86E+01	MDA
Ce-139	<4.09E+00	MDA
Cs-137	2.12E+02	2.26%

Sample ID	300242808
Comment	
Count Date	9/27/2007
Count Time	23:58
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	<4.54E+00	MDA
Co-57	6.68E+00	20.8%
Zn-65	<1.10E+01	MDA
Sr-85	5.93E+02	1.87%
Ru-106	<4.05E+01	MDA
Ce-139	<4.24E+00	MDA
Cs-137	2.38E+02	2.20%

Sample ID	300242809
Comment	
Count Date	9/28/2007

Count Time	4:02
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	5.59E+01	4.64%
Co-57	4.41E+01	4.83%
Zn-65	<9.91E+00	MDA
Sr-85	9.42E+02	1.75%
Ru-106	<5.44E+01	MDA
Ce-139	<5.31E+00	MDA
Cs-137	7.64E+02	1.49%

Sample ID	300242810
Comment	
Count Date	9/28/2007
Count Time	8:06
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	1.11E+01	12.0%
Co-57	1.37E+01	9.45%
Zn-65	<7.01E+00	MDA
Sr-85	8.55E+02	1.77%
Ru-106	<5.01E+01	MDA
Ce-139	3.77E+00	28.6%
Cs-137	6.81E+02	1.53%

ADP FILE/NOTEBOOK REF	WSRC-NB-2003-00207 pg 107
Sample ID	300242811
Comment	
Count Date	9/28/2007
Count Time	12:09
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	1.88E+01	8.31%
Co-57	1.05E+01	11.7%
Zn-65	<9.51E+00	MDA
Sr-85	9.16E+02	1.76%
Ru-106	<4.70E+01	MDA
Ce-139	<5.43E+00	MDA
Cs-137	6.87E+02	1.53%

Sample ID	300242812
Comment	
Count Date	9/28/2007
Count Time	16:13
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	2.19E+01	7.38%
Co-57	1.60E+01	12.1%
Zn-65	<1.17E+01	MDA
Sr-85	9.17E+02	1.76%
Ru-106	<5.22E+01	MDA
Ce-139	5.83E+00	29.0%
Cs-137	7.37E+02	1.50%

Sample ID 300242813
Comment
Count Date 9/28/2007
Count Time 20:16
Count Duration (sec) 14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	2.22E+01	7.57%
Co-57	1.30E+01	12.3%
Zn-65	<1.01E+01	MDA
Sr-85	9.95E+02	1.75%
Ru-106	<5.38E+01	MDA
Ce-139	<5.77E+00	MDA
Cs-137	9.79E+02	1.40%

Sample ID 300242814
Comment
Count Date 9/29/2007
Count Time 0:20
Count Duration (sec) 14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
K-40	1.54E+02	11.0%
Mn-54	1.46E+01	10.4%
Co-57	1.33E+01	12.4%
Zn-65	<1.17E+01	MDA
Sr-85	1.01E+03	1.75%
Ru-106	<5.51E+01	MDA
Ce-139	4.07E+00	29.4%
Cs-137	1.05E+03	1.38%

Sample ID 300242815
Comment
Count Date 9/29/2007
Count Time 4:24
Count Duration (sec) 14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc

K-40	1.48E+02	11.5%
Mn-54	6.59E+00	19.1%
Co-57	9.84E+00	11.6%
Zn-65	<1.11E+01	MDA
Sr-85	7.60E+02	1.82%
Ru-106	<4.58E+01	MDA
Ce-139	4.92E+00	27.8%
Cs-137	4.56E+02	1.71%

Sample ID	300242816
Comment	
Count Date	9/29/2007
Count Time	8:27
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
K-40	1.83E+02	9.20%
Mn-54	9.75E+00	14.6%
Co-57	1.05E+01	21.4%
Zn-65	1.24E+01	17.9%
Sr-85	8.30E+02	1.78%
Ru-106	<4.69E+01	MDA
Ce-139	4.77E+00	28.4%
Cs-137	5.56E+02	1.62%

Sample ID	300242817
Comment	
Count Date	9/29/2007
Count Time	12:31
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
K-40	1.33E+02	13.4%
Mn-54	<3.01E+00	MDA
Co-57	<3.43E+00	MDA
Zn-65	<9.71E+00	MDA
Sr-85	6.00E+02	1.84%
Ru-106	<3.99E+01	MDA
Ce-139	<4.10E+00	MDA
Cs-137	2.95E+01	6.42%

Sample ID	300242818
Comment	
Count Date	9/29/2007
Count Time	16:34
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc

K-40	1.37E+02	13.1%
Mn-54	<3.71E+00	MDA
Co-57	<3.22E+00	MDA
Zn-65	<9.35E+00	MDA
Sr-85	4.88E+02	1.88%
Ru-106	<3.66E+01	MDA
Ce-139	<3.76E+00	MDA
Cs-137	2.40E+01	7.43%

Sample ID	300242819
Comment	
Count Date	9/29/2007
Count Time	20:38
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
K-40	1.42E+02	14.2%
Mn-54	8.16E+00	15.9%
Co-57	6.13E+00	25.2%
Zn-65	<1.08E+01	MDA
Sr-85	7.37E+02	1.80%
Ru-106	<4.07E+01	MDA
Ce-139	<4.62E+00	MDA
Cs-137	2.70E+02	2.06%

Sample ID	300242820
Comment	
Count Date	9/27/2007
Count Time	15:56
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	1.91E+01	7.45%
Co-57	1.03E+01	13.6%
Zn-65	<1.06E+01	MDA
Sr-85	7.80E+02	1.76%
Ru-106	<4.49E+01	MDA
Ce-139	<3.23E+00	MDA
Cs-137	2.35E+02	2.05%

Sample ID	300242821
Comment	
Count Date	9/27/2007
Count Time	19:59
Count Duration (sec)	14400

Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Mn-54	3.65E+03	0.93%

Co-57	3.56E+03	1.35%
Zn-65	3.44E+03	1.53%
Sr-85	1.35E+03	1.67%
Ru-106	3.30E+03	2.03%
Ce-139	2.59E+03	1.48%
Cs-137	4.66E+03	1.14%

	300242822		
Sample ID			
Comment	9/28/2007		
Count Date	0:03		
Count Time	14400		
Count Duration (sec)	Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
	Mn-54	6.12E+01	4.02%
	Co-57	5.31E+01	3.47%
	Zn-65	5.74E+01	6.12%
	Sr-85	2.04E+01	5.61%
	Ru-106	4.03E+01	13.7%
	Ce-139	4.88E+01	3.65%
	Cs-137	7.05E+01	3.69%

	300242823		
Sample ID			
Comment	9/28/2007		
Count Date	4:06		
Count Time	14400		
Count Duration (sec)	Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
	Mn-54	3.66E+03	0.93%
	Co-57	3.50E+03	1.40%
	Zn-65	3.43E+03	1.52%
	Sr-85	1.33E+03	1.68%
	Ru-106	3.32E+03	2.20%
	Ce-139	2.63E+03	1.47%
	Cs-137	4.66E+03	1.14%

	300242824		
Sample ID	9/28/2007		
Comment	8:10		
Count Date	14400		
Count Time	Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Count Duration (sec)	Mn-54	<4.12E+00	MDA
	Co-57	<2.53E+00	MDA
	Zn-65	<9.65E+00	MDA
	Sr-85	<4.41E+00	MDA

	Ru-106	<2.16E+01	MDA
	Ce-139	<2.89E+00	MDA
	Cs-137	<4.30E+00	MDA

	300242825		
Sample ID	9/28/2007		
Comment	12:13		
Count Date	14400		
Count Time	Radioisotope	Activity (dpm/mL)	1 Sigma %Unc
Count Duration (sec)	Mn-54	<3.42E+00	MDA
	Co-57	<2.53E+00	MDA
	Zn-65	<9.08E+00	MDA
	Sr-85	<4.40E+00	MDA
	Ru-106	<2.21E+01	MDA
	Ce-139	<2.91E+00	MDA
	Cs-137	<4.16E+00	MDA

Table 8. Gamma spectroscopy analytical results for Pu-238 and Fe-55.

Tube #	Boring/Sample #	ADS LIMS#	Pu-238 (DPM/ml)	1 Sigma %Uncertainty	Fe-55 (DPM/ml)	1 Sigma %Uncertainty
101b-A	B-949/CORE R3	300242951	1.01E+02	11.74%	< 7.88E+00	MDA
101b-B		300242952	4.00E+01	13.20%	< 2.85E+01	MDA
102b-A	B-951/CORE R5	300242953	9.82E+02	6.12%	< 5.67E+01	MDA
102b-B		300242954	9.95E+02	7.29%	< 1.75E+01	MDA
103b-A	B-901/CORE R20	300242955	1.64E+03	6.55%	< 9.71E+01	MDA
103b-B		300242956	1.25E+03	6.52%	< 1.14E+02	MDA
104b-A	B-901/CORE R22	300242957	1.07E+03	7.33%	< 2.37E+01	MDA
104b-B		300242958	1.44E+03	6.50%	< 9.48E+01	MDA
105b-A	B-901/S5	300242959	9.63E+03	5.62%	< 2.42E+02	MDA
105b-B		300242960	1.05E+04	5.34%	< 2.23E+01	MDA
106b-A	B-901/S8	300242961	6.91E+03	5.41%	< 8.97E+01	MDA
106b-B		300242962	5.75E+03	5.43%	< 1.04E+02	MDA
107b-A	B-904/S10	300242963	3.25E+03	6.15%	< 2.57E+01	MDA
107b-B		300242964	3.76E+03	6.04%	< 1.29E+02	MDA
108b-A	B-913/S9	300242965	2.30E+03	6.20%	< 1.38E+02	MDA
108b-B		300242966	2.28E+03	6.36%	< 2.27E+01	MDA
109b-A	B-913/S10	300242967	4.52E+02	8.36%	< 7.08E+01	MDA
109b-B		300242968	9.79E+02	7.20%	< 1.02E+02	MDA
110b-A	B-917/S12	300242969	1.83E+03	5.85%	< 1.13E+01	MDA
110b-B		300242970	1.15E+03	6.12%	< 4.63E+01	MDA
111b-A	B-917/S14	300242971	1.69E+03	5.81%	< 6.57E+01	MDA
111b-B		300242972	2.34E+03	6.37%	< 2.37E+01	MDA
112b-A	B-917/S15	300242973	3.21E+03	6.16%	< 1.23E+02	MDA
112b-B		300242974	1.52E+03	6.65%	< 1.21E+02	MDA
113b-A	B-919/S8	300242975	7.32E+02	6.52%	< 8.58E+00	MDA
113b-B		300242976	4.06E+02	6.75%	< 3.52E+01	MDA
114b-A	B-920/S11	300242977	1.60E+03	5.85%	< 6.33E+01	MDA
114b-B		300242978	1.24E+03	7.09%	< 1.89E+01	MDA
115b-A	B-928/S7	300242979	9.38E+02	7.10%	< 7.93E+01	MDA
115b-B		300242980	7.52E+02	7.36%	< 9.91E+01	MDA
116b-A	B-929/S12	300242981	8.08E+02	7.55%	< 1.66E+01	MDA
116b-B		300242982	8.40E+02	7.37%	< 7.38E+01	MDA
117b-A	B931/S11	300242983	1.84E+03	5.89%	< 1.12E+01	MDA
117b-B		300242984	1.03E+03	7.02%	< 1.07E+02	MDA
118b-A	B932/S6	300242985	2.16E+02	7.68%	< 3.03E+01	MDA
118b-B		300242986	1.84E+02	7.76%	< 4.09E+01	MDA
119b-A	B951/S7	300242987	1.30E+02	14.69%	< 1.31E+01	MDA
119b-B		300242988	1.17E+02	11.80%	< 5.49E+01	MDA
120b-A	B-951/S9	300242989	1.48E+02	12.49%	< 1.29E+01	MDA
120b-B		300242990	1.14E+02	12.26%	< 7.24E+01	MDA
121b-A	Spike control	300242991	1.37E+04	5.52%	1.42E+04	11.41%
121b-B		300242992	1.06E+04	5.62%	1.43E+04	11.16%
121b-C		300242993	1.35E+04	5.30%	1.43E+04	10.18%
122b-A	Blank control	300242994	< 7.11E+00	MDA	< 3.72E+01	MDA
122b-B		300242995	< 7.41E+00	MDA	< 2.59E+01	MDA

Table 9. Gamma spectroscopy analytical results for Ni-59.

Tube #	ADS Sample ID	Boring/Sample #	Rep	Ni-59 (DPM/ml)	1 Sigma % Uncertainty
101c-A	300242906	B-949/CORE R3	1	< 4.17E+00	MDA
101c-B	300242907		2	< 4.81E+00	MDA
102c-A	300242908	B-951/CORE R5	1	< 7.96E+00	MDA
102c-B	300242909		2	< 8.11E+00	MDA
103c-A	300242910	B-901/CORE R20	1	< 9.00E+00	MDA
103c-B	300242911		2	< 1.54E+01	MDA
104c-A	300242912	B-901/CORE R22	1	< 8.11E+00	MDA
104c-B	300242913		2	< 9.57E+00	MDA
105c-A	300242914	B-901/S5	1	9.95E+01	14.46%
105c-B	300242915		2	1.45E+02	7.32%
106c-A	300242916	B-901/S8	1	< 5.21E+00	MDA
106c-B	300242917		2	2.18E+02	7.94%
107c-A	300242918	B-904/S10	1	1.08E+01	30.69%
107c-B	300242919		2	1.24E+02	10.23%
108c-A	300242920	B-913/S9	1	2.73E+01	24.68%
108c-B	300242921		2	2.12E+02	8.10%
109c-A	300242922	B-913/S10	1	2.89E+01	18.33%
109c-B	300242923		2	6.29E+01	17.69%
110c-A	300242924	B-917/S12	1	1.03E+01	54.62%
110c-B	300242925		2	1.14E+01	35.58%
111c-A	300242926	B-917/S14	1	1.68E+02	11.07%
111c-B	300242927		2	2.16E+02	6.68%
112c-A	300242928	B-917/S15	1	9.76E+01	8.34%
112c-B	300242929		2	< 8.53E+00	MDA
113c-A	300242930	B-919/S8	1	2.37E+01	20.15%
113c-B	300242931		2	1.41E+01	30.95%
114c-A	300242932	B-920/S11	1	< 1.59E+01	MDA
114c-B	300242933		2	< 8.91E+00	MDA
115c-A	300242934	B-928/S7	1	< 1.11E+01	MDA
115c-B	300242935		2	2.89E+01	23.90%
116c-A	300242936	B-929/S12	1	7.72E+01	10.45%
116c-B	300242937		2	1.87E+02	8.92%
117c-A	300242938	B931/S11	1	< 1.43E+01	MDA
117c-B	300242939		2	2.72E+01	12.36%
118c-A	300242940	B932/S6	1	1.29E+01	17.91%
118c-B	300242941		2	7.23E+00	43.85%
119c-A	300242942	B951/S7	1	< 8.11E+00	MDA
119c-B	300242943		2	< 9.65E+00	MDA
120c-A	300242944	B-951/S9	1	< 1.56E+01	MDA
120c-B	300242945		2	< 8.00E+00	MDA
121c-A	300242946	Spike control	1	3.97E+02	7.43%
121c-B	300242947		2	3.27E+02	8.71%
121c-C	300242948		3	4.06E+02	6.07%
122c-A	300242949	Blank control	1	< 4.80E+00	MDA
122c-B	300242950		2	< 8.20E+00	MDA

Table 10. ICP-MS analytical results for Ag.

ICP-MS Data

File Kaplan Ag 242846-860

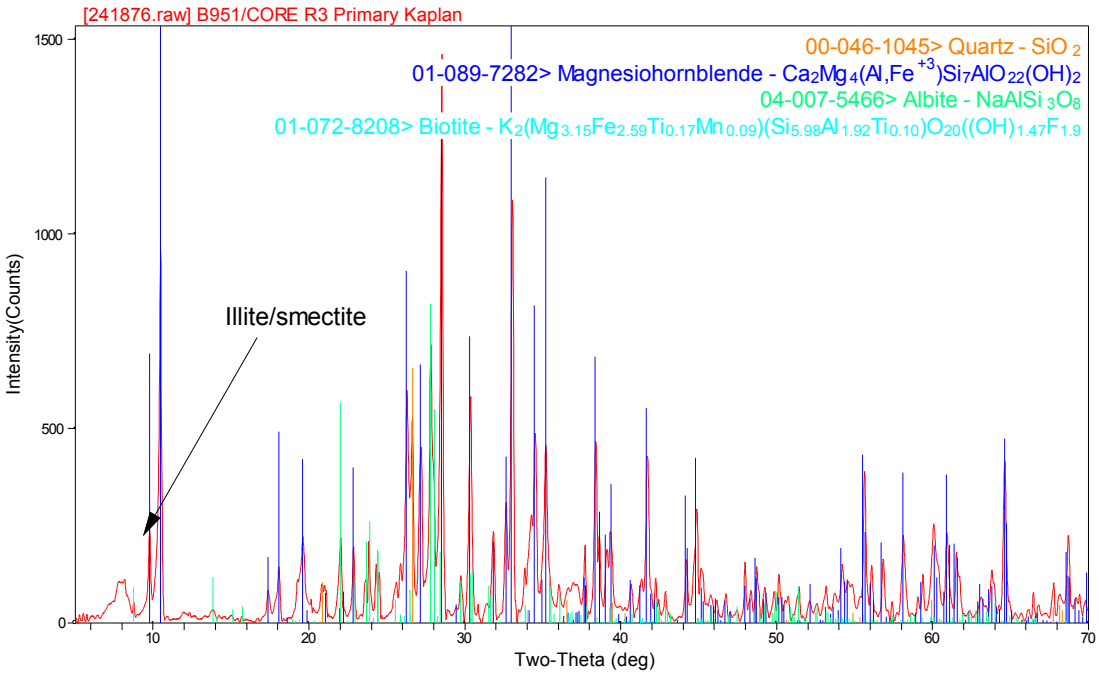
ADS Sample ID	Ag ug/L	Nominal Std Concentration 10 ug/L Initial Check Std
300242846	0.05	9.92
300242847	<0.200	
300242848	<0.200	
300242849	<0.200	
300242850	<0.200	
300242851	<0.200	
300242852	<0.200	
300242853	0.352	**Mid Check**
300242854	39.95	10.3
300242855	67.76	
300242856	43.58	
300242857	61.04	
300242858	32.25	
300242859	23.04	**End Check**
300242860	38.86	10.1

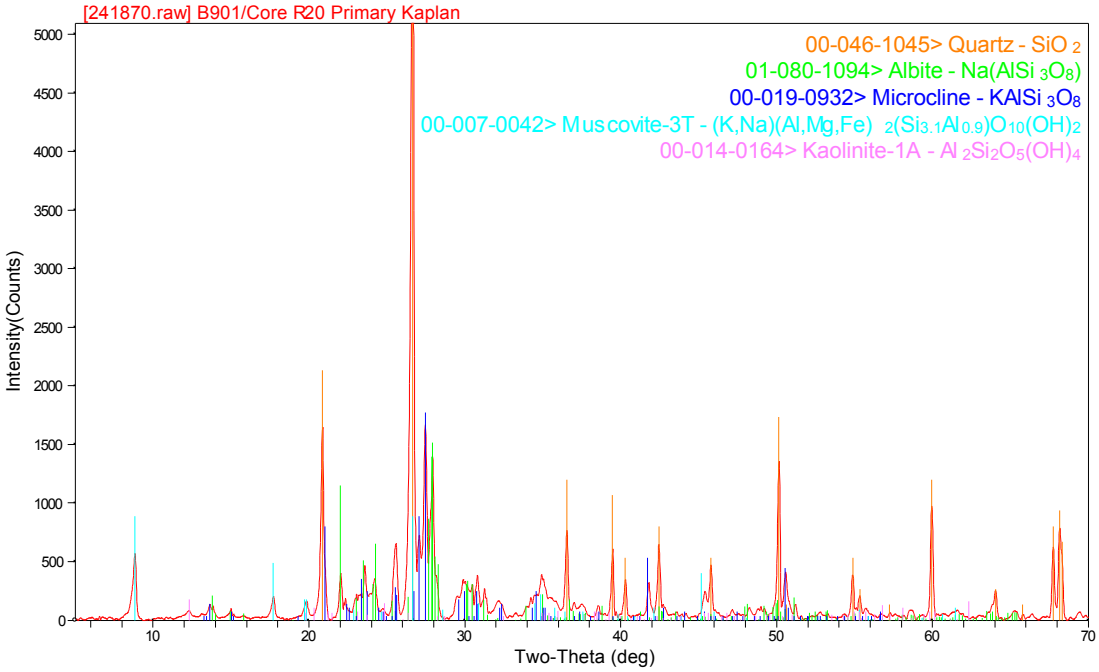
ADS Sample ID	Ag ug/L	Nominal Std Concentration 10 ug/L Initial Check Std
300242861	39.9	10.0
300242862	79.1	
300242863	111	
300242864	47.1	
300242865	63.0	
300242866	54.5	
300242867	40.7	
300242868	65.5	**Mid Check**
300242869	68.1	9.83
300242870	8.44	
300242871	12.1	
300242872	<5.10	
300242873	<5.10	
300242874	16.9	**End Check**
300242875	<5.10	9.95

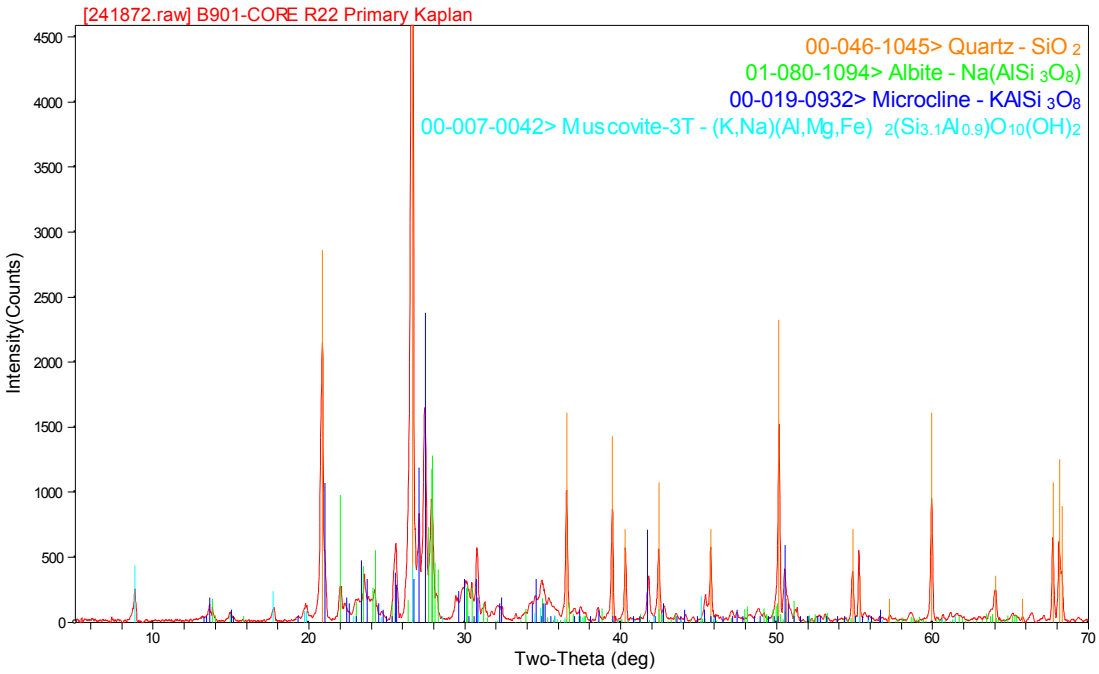
File: Kaplan Ag 242876-890

ADS Sample ID	Ag ug/L	Nominal Std Concentration 10 ug/L Initial Check Std
300242876	106.4	10.1
300242877	103	
300242878	66.84	
300242879	26.74	
300242880	<0.200	
300242881	<0.200	
300242882	<0.200	
300242883	<0.200	**Mid Check**
300242884	<0.200	10.3
300242885	0.703	
300242886	128.8	
300242887	128.2	
300242888	124.2	
300242889	<0.200	**End Check**
300242890	0.219	10.1

Table 11. XRD Spectra






[241872.raw] B901-CORE R22 Primary Kaplan
00-046-1045> Quartz - SiO 2
01-080-1094> Albite - Na(AlSi 3O8)
00-019-0932> Microcline - KAlSi 3O8
00-007-0042> Muscovite-3T - (K,Na)(Al,Mg,Fe) 2(Si3.1Al0.9)O10(OH)2
Intensity(Counts)
Two-Theta (deg)

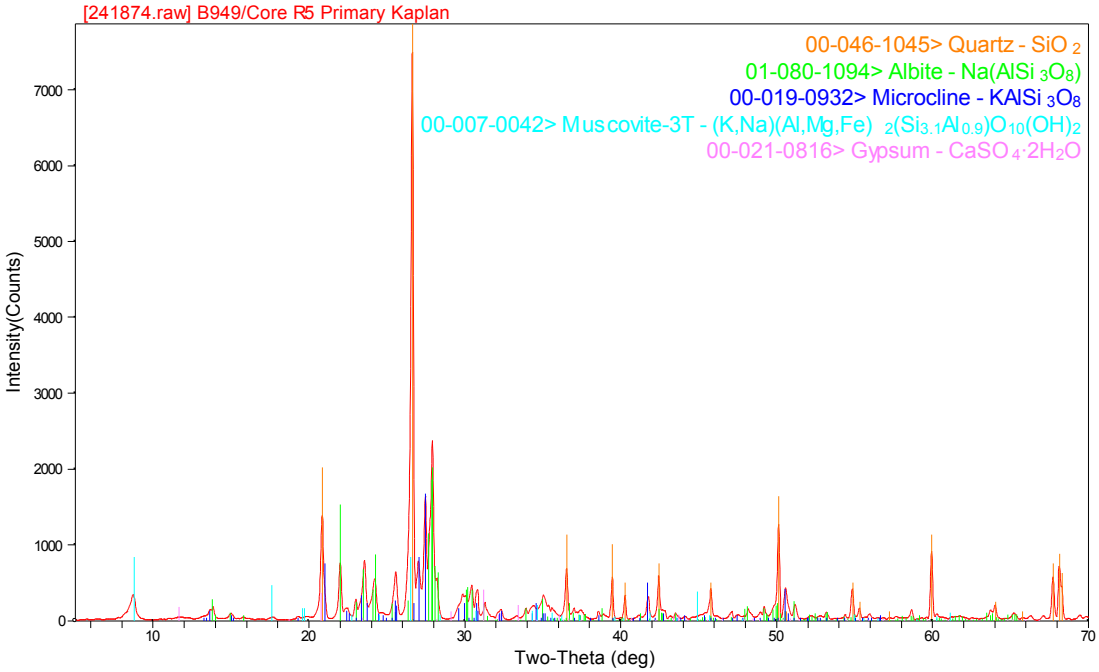

[241874.raw] B949/Core R5 Primary Kaplan
00-046-1045> Quartz - SiO 2
01-080-1094> Albite - Na(AlSi 3O8)
00-019-0932> Microcline - KAlSi 3O8
00-007-0042> Muscovite-3T - (K,Na)(Al,Mg,Fe) 2(Si3.1Al0.9)O10(OH)2
00-021-0816> Gypsum - CaSO 4·2H2O
Intensity(Counts)
Two-Theta (deg)

Table 12. Duplicate sample results and QA results from the XRF analyses.

Customer ID	ADS #	SiO2 wt%	Al2O3 wt%	Fe2O3 wt%	MnO wt%	MgO wt%	CaO wt%	Na2O wt%	K2O wt%	TiO2 wt%	P2O5 wt%	LOI wt%
B901/CORE R20 Primary	241870	76.73	12.93	0.818	0.013	0.147	1.15	1.79	4.98	0.133	0.016	1.16
B901/CORE R20 Duplicate	241871	76.71	12.94	0.805	0.012	0.147	1.15	1.80	4.98	0.132	0.015	1.19
B901/CORE R22 Primary	248172	76.46	12.47	1.05	0.032	0.202	1.35	1.52	5.62	0.128	0.020	1.02
B901/CORE R22 Duplicate	248173	76.39	12.54	1.05	0.032	0.198	1.34	1.56	5.61	0.128	0.020	1.02
B949/CORE R3 Primary	248174	49.19	13.35	9.62	0.171	10.88	9.04	1.88	1.63	0.884	0.391	2.88
B949/CORE R3 Duplicate	248175	49.11	13.40	9.76	0.174	10.86	9.06	1.82	1.64	0.892	0.392	2.81
B951/CORE R5 Primary	248176	74.70	13.06	1.64	0.026	0.413	1.66	3.17	4.08	0.195	0.055	0.88
B951/CORE R5 Duplicate	248177	74.71	13.05	1.64	0.026	0.404	1.66	3.16	4.06	0.194	0.055	0.93
Check Std (beginning)	GM	73.74	13.49	1.98	0.046	0.300	0.931	3.76	4.86	0.201	0.061	0.59
Check Standard (end)	GM	73.78	13.48	1.96	0.045	0.306	0.927	3.77	4.86	0.199	0.060	0.59
Standard Value	GM	73.42	13.55	2.01	0.043	0.37	1.07	3.78	4.76	0.212	0.062	not given

Table 13. Gamma analyses quality assurance results.

Explanation and overview of QA results for gamma analyses: The QA standards contained the peak energies of seven isotopes; the peak energies spanned the gamma energy range of interest. These were measured each working day prior to the start of any sample analyzes. The 48 QA analyses, each reporting the peak energies of seven isotopes are presented here. A mark in the QA results in the "Deviation/Flags" column of "In" means the measured value needs to be "investigated", but the instrument is within specifications of the standard. A "Deviation/Flags" comment of "Ac" means the measured value is outside the acceptable range and "action" is required. The "action" flag indicates that the analyses results are unacceptable. From these 48 QA analyses, there were a total of 336 isotopes standards reported, of which five "investigate" flags and zero "action" flags were identified. Since the five "investigate" flags were not three back-to-back days on the same instrument, no action was required. Together, these QA results indicate that all measurement were within specifications.

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Last Measurement Q.A. Report        9/27/07  7:27:56 AM        Page  1

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

                         Last Results Report
                          9/27/07  7:27:56 AM

QA File:                C:\SAMPCHG\SPC1MCA.QAF
Sample ID:              QA
Sample Quantity:         1.0000E+000
Measurement Date:        9/27/07  7:12:37 AM
Elapsed Live Time:           900.0 seconds
Elapsed Real Time:           904.7 seconds

Parameter Description          Value                Deviation/Flags
 [Mean +/- Std. Dev.]                             < LU : SD : UD : BS >

Am-241 Peak energy           5.9522E+001                0.00
     [0.00+/-0.00]                                <    :    :    :    >
Cs-137 Peak energy           6.6168E+002                0.00
     [0.00+/-0.00]                                <    :    :    :    >
Co-60 Peak energy            1.3325E+003                0.00
     [0.00+/-0.00]                                <    :    :    :    >
Cs-137 Peak FWHM             1.3029E+000                0.00
     [0.00+/-0.00]                                <    :    :    :    >
Am-241 activity              1.7700E-002                0.00
     [0.00+/-0.00]                                <    :    :    :    > 1st in 3 da
Co-60 activity               1.5828E-002                0.00
     [0.00+/-0.00]                                <    :    :In  :    >
Cs-137 activity              1.5500E-002                0.00
     [0.00+/-0.00]                                <    :    :    :    >

Flags Key:   LU = Lower/Upper Bounds Test      (Ab = Above, Be = Below)
             SD = Sample Driven N-Sigma Test   (In = Investigate, Ac = Action)
             UD = User Driven N-SIgma Test     (In = Investigate, Ac = Action)
             BS = Measurement Bias Test        (In = Investigate, Ac = Action)
```

MA
9-27-07

Last Measurement Q.A. Report 9/26/07 7:27:37 AM Page 1

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*************************************************************************
*****        G E N I E   Q U A L I T Y   A S S U R A N C E        *****
   ***********************************************************************
```

Last Results Report
9/26/07 7:27:37 AM

MM 9-26-07

QA File: C:\LOWLEV\LLDMCA.QAF
Sample ID: QA
Sample Quantity: 1.0000E+000
Measurement Date: 9/26/07 7:12:26 AM
Elapsed Live Time: 900.0 seconds
Elapsed Real Time: 904.3 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak energy [0.00+/-0.00]	5.9416E+001	0.00 < : : : >
Cs-137 Peak energy [0.00+/-0.00]	6.6174E+002	0.00 < : : : >
Co-60 Peak energy [0.00+/-0.00]	1.3325E+003	0.00 < : : : >
Cs-137 Peak FWHM [0.00+/-0.00]	1.4976E+000	0.00 < : : : >
Am-241 activity [0.00+/-0.00]	1.7496E-002	0.00 < : : : >
Co-60 activity [0.00+/-0.00]	1.6082E-002	0.00 < : : : >
Cs-137 activity [0.00+/-0.00]	1.5223E-002	0.00 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-SIgma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

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ast Measurement Q.A. Report        9/27/07  7:28:06 AM        Page  1

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

                         Last Results Report
                          9/27/07  7:28:06 AM

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easurement Date:        9/27/07  7:12:54 AM
lapsed Live Time:           900.0 seconds
lapsed Real Time:           902.8 seconds

arameter Description          Value                Deviation/Flags
 [Mean +/- Std. Dev.]                          < LU : SD : UD : BS >

m-241 Peak energy           5.9537E+001                0.00
     [0.00+/-0.00]                            <    :    :    :    >
s-137 Peak energy           6.6162E+002                0.00
     [0.00+/-0.00]                            <    :    :    :    >
o-60 Peak energy            1.3326E+003                0.00
     [0.00+/-0.00]                            <    :    :    :    >
s-137 Peak FWHM             1.3268E+000                0.00
     [0.00+/-0.00]                            <    :    :    :    >
  `41 activity              1.8648E-002                0.00
     [0.00+/-0.00]                            <    :    :    :    >
o-60 activity               1.6071E-002                0.00
     [0.00+/-0.00]                            <    :    :    :    >
s-137 activity              1.5210E-002                0.00
     [0.00+/-0.00]                            <    :    :    :    >

Flags Key:   LU = Lower/Upper Bounds Test      (Ab = Above, Be = Below)
             SD = Sample Driven N-Sigma Test   (In = Investigate, Ac = Action)
             UD = User Driven N-SIgma Test     (In = Investigate, Ac = Action)
             BS = Measurement Bias Test        (In = Investigate, Ac = Action)
```

MM
9-27-07

Last Measurement Q.A. Report 9/26/07 7:26:48 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
9/26/07 7:26:48 AM

MM
9-26-07

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Measurement Date: 9/26/07 7:11:38 AM
Elapsed Live Time: 900.0 seconds
Elapsed Real Time: 902.8 seconds

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Cs-137 Peak energy [0.00+/-0.00]	6.6159E+002	0.00 < : : : >
Co-60 Peak energy [0.00+/-0.00]	1.3325E+003	0.00 < : : : >
Cs-137 Peak FWHM [0.00+/-0.00]	1.2550E+000	0.00 < : : : >
Am-241 activity [0.00+/-0.00]	1.7628E-002	0.00 < : : : >
Co-60 activity [0.00+/-0.00]	1.6030E-002	0.00 < : : : >
Cs-137 activity [0.00+/-0.00]	1.5634E-002	0.00 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-SIgma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 9/26/07 7:26:23 AM Page 1

```
*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
9/26/07 7:26:23 AM

MM
9-26-07

QA File: C:\SAMPCHG\SPC1MCA.QAF
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Sample Quantity: 1.0000E+000
Measurement Date: 9/26/07 7:11:10 AM
Elapsed Live Time: 900.0 seconds
Elapsed Real Time: 904.7 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak energy [0.00+/-0.00]	5.9496E+001	0.00 < : : : >
Cs-137 Peak energy [0.00+/-0.00]	6.6169E+002	0.00 < : : : >
Co-60 Peak energy [0.00+/-0.00]	1.3325E+003	0.00 < : : : >
Cs-137 Peak FWHM [0.00+/-0.00]	1.3201E+000	0.00 < : : : >
Am-241 activity [0.00+/-0.00]	1.7974E-002	0.00 < : : : >
Co-60 activity [0.00+/-0.00]	1.6019E-002	0.00 < : : : >
Cs-137 activity [0.00+/-0.00]	1.5312E-002	0.00 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-SIgma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/16/07 7:35:45 AM Page 1

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*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/16/07 7:35:45 AM

SKB 10/16/07

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/16/07 7:04:47 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.9 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9523E+001	4.5189E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.4664E-003	-8.1270E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.5401E-001	-6.3483E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	7.0053E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	7.4848E-005	-4.8802E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8051E+001	4.1214E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.4027E-003	-6.7694E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/22/07 8:57:33 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/22/07 8:57:33 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/22/07 7:08:54 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/22/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9502E+001	3.7613E-003 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.7364E-003	7.6670E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1273E-001	-4.7613E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	7.5684E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	7.1475E-005	-6.5967E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8009E+001	-4.1031E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.8179E-003	-4.3507E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/18/07 8:10:44 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*****************************************************************************
```

Last Results Report
10/18/07 8:10:44 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/18/07 7:10:15 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/18/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9504E+001	8.5373E-003 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.6746E-003	4.6382E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.0170E-001	-1.5790E-001 < : : : >
Co 57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2208E+002	4.7134E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	8.0067E-005	-3.2790E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8023E+001	-1.3580E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.8202E-003	-4.3377E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/17/07 9:17:42 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*****************************************************************************
```

Last Results Report
10/17/07 9:17:42 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/17/07 7:13:00 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/17/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9515E+001	2.9961E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.6930E-003	5.5408E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1522E-001	-2.2697E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2212E+002	1.2976E-001 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	8.7896E-005	-2.5646E-002 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8017E+001	-2.6489E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	5.0492E-003	-3.0657E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/16/07 7:37:08 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
*************************************************************************
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Last Results Report
10/16/07 7:37:08 AM

SKB 10/16/07

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/16/07 7:04:43 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9526E+001	5.1941E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.6901E-003	5.3971E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1183E-001	-5.6576E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	1.0281E-001 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	7.3766E-005	-5.7120E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8025E+001	-1.0498E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.7542E-003	-4.7046E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Measurement Q.A. Report 10/15/07 7:39:13 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
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Last Results Report
10/15/07 7:39:13 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/15/07 7:07:54 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/15/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9508E+001	1.5549E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.6911E-003	5.4484E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1916E-001	1.6664E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2207E+002	2.1286E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	8.2560E-005	-2.3166E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8013E+001	-3.4897E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.6175E-003	-5.4639E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/11/07 7:50:48 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/11/07 7:50:48 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/11/07 7:09:33 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/11/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9511E+001	2.1339E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.7062E-003	6.1881E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1748E-001	-1.2577E-004 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2208E+002	4.6661E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	8.0060E-005	-3.2820E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8030E+001	-1.0681E-004 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.5106E-003	-6.0577E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/10/07 8:01:29 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/10/07 8:01:29 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/10/07 7:07:57 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/10/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9521E+001	4.1039E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.7040E-003	6.0795E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1294E-001	-4.5483E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	8.4229E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	7.3878E-005	-5.6687E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8049E+001	3.8147E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.9475E-003	-3.6305E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/9/07 7:36:38 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/9/07 7:36:38 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/9/07 7:06:51 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/9/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9521E+001	4.1855E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.7073E-003	6.2416E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.2248E-001	4.9872E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2216E+002	1.9556E-001 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	7.4297E-005	-5.5071E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8029E+001	-1.5411E-003 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.9502E-003	-3.6154E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Measurement Q.A. Report 10/8/07 8:18:28 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/8/07 8:18:28 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/8/07 7:14:20 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.3 seconds

SR B 10/8/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9500E+001	9.1553E-004 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.6857E-003	5.1804E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1405E-001	-3.4407E-002 < : : : >
Co 57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2209E+002	6.7261E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	7.5926E-005	-4.8781E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8006E+001	-4.8080E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	5.2661E-003	-1.8608E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actior
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actior
BS = Measurement Bias Test (In = Investigate, Ac = Actior

Last Measurement Q.A. Report 10/4/07 9:28:08 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
*************************************************************************
```

Last Results Report
10/4/07 9:28:08 AM

SKB 10/4/07

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/4/07 7:10:37 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9501E+001	2.6550E-003 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.5849E-003	2.3822E-002 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.0980E-001	-7.6858E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	8.2504E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	8.1097E-005	-2.8815E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8034E+001	8.9722E-003 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.9358E-003	-3.6955E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/3/07 7:47:56 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*************************************************************************
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Last Results Report
10/3/07 7:47:56 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/3/07 7:17:54 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/03/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9521E+001	4.2213E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.6799E-003	4.8956E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1401E-001	-3.4769E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2208E+002	4.0573E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	8.6341E-005	-8.5682E-002 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8032E+001	4.3335E-003 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.8615E-003	-4.1081E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/2/07 7:42:50 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
*************************************************************************
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Last Results Report
10/2/07 7:42:50 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/2/07 7:11:45 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SKB 10/2/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9516E+001	3.1654E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.7556E-003	8.6083E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.8938E-001	-2.8109E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	8.3130E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	8.4475E-005	-1.5773E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8037E+001	1.3199E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	4.8846E-003	-3.9800E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

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*****        G E N I E   Q U A L I T Y   A S S U R A N C E              *****
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                        Last Results Report
                        10/12/07  7:41:27 AM

QA File:                C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity:         1.0000E+000
Sample Date:
Measurement Date:       10/12/07  7:18:10 AM
Elapsed Live Time:          1000.0 seconds
Elapsed Real Time:          1002.2 seconds

Parameter Description          Value              Deviation/Flags
 [Mean +/- Std. Dev.]                           < LU : SD : UD : BS >

Am-241 Peak Energy             5.9507E+001          1.3336E-002
 [UD: 5.9500E+001+/- 0.500]                    <    :    :    :    >

Am-241 Wtd mean activity       3.7190E-003          6.8150E-001
 [UD: 3.5800E-003+/- 0.000]                    <    :    :    :    >

Am-241 Peak FWHM               5.1488E-001         -2.6104E-002
 [UD: 5.1749E-001+/- 0.100]                    <    :    :    :    >

Co-57 Peak energy              1.2208E+002          3.7811E-002
 [UD: 1.2206E+002+/- 0.500]                    <    :    :    :    >

Co-57 Wtd mean activity        7.0839E-005         -6.8419E-001
 [UD: 8.8560E-005+/- 0.000]                    <    :    :    :    >

Cd-109 Peak energy             8.8011E+001         -3.8910E-002
 [UD: 8.8030E+001+/- 0.500]                    <    :    :    :    >

Cd-109 Wtd mean activity       5.0091E-003         -3.2881E-001
 [UD: 5.6010E-003+/- 0.002]                    <    :    :    :    >

Flags Key:   LU = Lower/Upper Bounds Test      (Ab = Above, Be = Below)
             SD = Sample Driven N-Sigma Test   (In = Investigate, Ac = Action)
             UD = User Driven N-Sigma Test     (In = Investigate, Ac = Action)
             BS = Measurement Bias Test        (In = Investigate, Ac = Action)
```

SKB
10/12/07

Last Measurement Q.A. Report 10/1/07 8:46:52 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*****************************************************************************
```

Last Results Report
10/1/07 8:46:52 AM

QA File: C:\GENIE2K\CAMFILES\LG2AM5S3.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/1/07 7:19:56 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.2 seconds

SRB 10/1/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9513E+001	2.5742E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5800E-003+/- 0.000]	3.7120E-003	6.4730E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.0864E-001	-8.8543E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2204E+002	-3.7552E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8560E-005+/- 0.000]	7.4019E-005	-5.6141E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8017E+001	-2.6657E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6010E-003+/- 0.002]	5.1334E-003	-2.5978E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actior
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actior
BS = Measurement Bias Test (In = Investigate, Ac = Actior

Last Measurement Q.A. Report 10/1/07 8:54:34 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
*************************************************************************
```

Last Results Report
10/1/07 8:54:34 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/1/07 7:19:48 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.7 seconds

SKB 10/01/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9495E+001	-1.0086E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.7475E-003	8.3346E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.0126E-001	-1.6235E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	8.0109E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	8.5766E-005	-2.0235E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8026E+001	-7.2784E-003 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.7490E-003	-3.8223E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

ast Measurement Q.A. Report 10/2/07 7:39:58 AM Page 1

****
GENIE QUALITY ASSURANCE
****

Last Results Report
10/2/07 7:39:58 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/2/07 7:11:35 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1004.1 seconds

SKB 10/2/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9504E+001	7.1411E-003 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6646E-003	3.9460E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.0712E-001	-1.0375E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2209E+002	6.5414E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	7.7249E-005	-7.8969E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8021E+001	-1.8356E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.7157E-003	-3.9702E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Measurement Q.A. Report 10/3/07 7:45:11 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
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Last Results Report
10/3/07 7:45:11 AM

SKB 10/03/07

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/3/07 7:17:44 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.7 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9517E+001	3.4225E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6655E-003	3.9949E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.2646E-001	8.9709E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2208E+002	4.7424E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	8.0210E-005	-5.8550E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8042E+001	2.3575E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.5309E-003	-4.7916E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/4/07 9:25:47 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/4/07 9:25:47 AM

SKB 10/4/07

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE.
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/4/07 7:10:27 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.3 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9492E+001	-1.6022E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6481E-003	3.0732E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1146E-001	-6.0331E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2209E+002	6.2531E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	7.0711E-005	-1.2406E+000 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8004E+001	-5.2307E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.7526E-003	-3.8063E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Measurement Q.A. Report 10/8/07 8:16:03 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/8/07 8:16:03 AM

SKB 10/18/07

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/8/07 7:14:04 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1008.0 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9490E+001	-2.0164E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6845E-003	4.9974E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.2050E-001	3.0084E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2209E+002	6.8314E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	7.1191E-005	-1.2075E+000 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.7999E+001	-6.1462E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	5.0855E-003	-2.3266E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actior
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actior
BS = Measurement Bias Test (In = Investigate, Ac = Actior

Last Measurement Q.A. Report 10/9/07 7:34:04 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*************************************************************************
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Last Results Report
10/9/07 7:34:04 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/9/07 7:06:43 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1006.9 seconds

SKB 10/9/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9504E+001	8.7204E-003 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.7766E-003	9.8719E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.2942E-001	1.1930E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2207E+002	2.0782E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	8.4649E-005	-2.7939E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8012E+001	-3.5629E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.7679E-003	-3.7384E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Measurement Q.A. Report 10/10/07 7:59:16 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/10/07 7:59:16 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/10/07 7:07:47 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1005.5 seconds

SRB
10/10/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9508E+001	1.6960E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6869E-003	5.1256E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.1375E-001	-3.7372E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	8.0261E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	7.7082E-005	-8.0121E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8024E+001	-1.1841E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.6840E-003	-4.1110E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

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

                         Last Results Report
                         10/11/07  7:47:29 AM

QA File:                 C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID:               SAMPLE
Sample Quantity:          1.0000E+000
Sample Date:
Measurement Date:        10/11/07  7:09:24 AM
Elapsed Live Time:           1000.0 seconds
Elapsed Real Time:           1001.5 seconds

Parameter Description          Value                Deviation/Flags
 [Mean +/- Std. Dev.]                            < LU : SD : UD : BS >

Am-241 Peak Energy           5.9494E+001            -1.2993E-002
 [UD: 5.9500E+001+/- 0.500]                      <    :    :    :    >

Am-241 Wtd mean activity     3.6702E-003             4.2410E-001
 [UD: 3.5900E-003+/- 0.000]                      <    :    :    :    >

Am-241 Peak FWHM             5.1776E-001             2.6506E-003
 [UD: 5.1749E-001+/- 0.100]                      <    :    :    :    >

Co-57 Peak energy            1.2211E+002             9.7870E-002
 [UD: 1.2206E+002+/- 0.500]                      <    :    :    :    >

Co-57 Wtd mean activity      7.1744E-005            -1.1694E+000
 [UD: 8.8700E-005+/- 0.000]                      <    :    :    :    >

Cd-109 Peak energy           8.8017E+001            -2.6825E-002
 [UD: 8.8030E+001+/- 0.500]                      <    :    :    :    >

Cd-109 Wtd mean activity     4.5166E-003            -4.8551E-001
 [UD: 5.6090E-003+/- 0.002]                      <    :    :    :    >

Flags Key:   LU = Lower/Upper Bounds Test      (Ab = Above, Be = Below)
             SD = Sample Driven N-Sigma Test   (In = Investigate, Ac = Actio
             UD = User Driven N-Sigma Test     (In = Investigate, Ac = Actio
             BS = Measurement Bias Test        (In = Investigate, Ac = Actio
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SKB 10/11/07

Last Measurement Q.A. Report 10/12/07 7:39:09 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
*************************************************************************
```

Last Results Report
10/12/07 7:39:09 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE.
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/12/07 7:17:58 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.5 seconds

SKB 10/12/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9477E+001	-4.5715E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6205E-003	1.6138E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.9174E-001	-2.5746E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2202E+002	-8.5190E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	7.3408E-005	-1.0546E+000 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8001E+001	-5.7739E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.7695E-003	-3.7313E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/4/07 9:26:55 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*****************************************************************************
```

Last Results Report
10/4/07 9:26:55 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/4/07 7:10:31 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

SKB 10/4/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9493E+001	-1.3100E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.3211E-003	-1.5816E+000 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.6755E-001	-4.9944E-001 < : : : >
Co 57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	8.9310E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	6.2155E-005	-9.2569E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8022E+001	-1.5930E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.2265E-003	-7.7217E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/16/07 7:34:36 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
*************************************************************************
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Last Results Report
10/16/07 7:34:36 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/16/07 7:04:37 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.9 seconds

SKB 10/16/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9511E+001	2.2964E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6454E-003	2.9333E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.0789E-001	-9.6028E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	1.0474E-001 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	7.2646E-005	-1.1072E+000 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8043E+001	2.6993E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.7252E-003	-3.9282E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/17/07 9:15:21 AM Page 1

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

Last Results Report
10/17/07 9:15:21 AM

SKB
10/17/07

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/17/07 7:12:51 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9501E+001	2.9068E-003 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6662E-003	4.0338E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.0062E-001	-1.6865E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2206E+002	-1.5717E-003 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	6.9022E-005	-1.3571E+000 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8004E+001	-5.2444E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	5.1025E-003	-2.2510E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actior
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actior
BS = Measurement Bias Test (In = Investigate, Ac = Actior

Last Measurement Q.A. Report 10/18/07 8:08:18 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/18/07 8:08:18 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE.
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/18/07 7:10:06 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1002.7 seconds

SKB 10/18/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9492E+001	-1.5366E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.7433E-003	8.1126E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.3249E-001	1.5001E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	9.5840E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	6.9231E-005	-1.3427E+000 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8033E+001	5.4626E-003 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.5578E-003	-4.6719E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Measurement Q.A. Report 10/22/07 8:55:04 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*************************************************************************
```

Last Results Report
10/22/07 8:55:04 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/22/07 7:08:46 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.5 seconds

SKB 10/22/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9475E+001	-4.9393E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.5772E-003	-6.7682E-002 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.2193E-001	4.4400E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2206E+002	-8.8196E-003 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	7.7052E-005	-8.0328E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.7964E+001	-1.3295E-001 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.4483E-003	-5.1589E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/23/07 9:10:31 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/23/07 9:10:31 AM

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE.
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/23/07 8:31:42 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.4 seconds

SKB 10/23/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9485E+001	-3.0952E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6961E-003	5.6113E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.2628E-001	8.7926E-002 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	7.5806E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	5.8974E-005	-2.0501E+000 < : :In : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8006E+001	-4.8615E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.4044E-003	-5.3540E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Measurement Q.A. Report 10/1/07 8:45:57 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/1/07 8:45:57 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/1/07 7:19:52 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.9 seconds

SKB 10/1/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9507E+001	1.4877E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.5327E-003	-4.6187E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.6366E-001	-5.3831E-001 < : : : >
Co 57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2209E+002	6.7673E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	7.4859E-005	-4.8761E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8035E+001	1.0834E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.4926E-003	-6.2832E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/2/07 7:41:22 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*************************************************************************
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Last Results Report
10/2/07 7:41:22 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/2/07 7:11:40 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.9 seconds

SKB 10/2/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9506E+001	1.2421E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.4552E-003	-8.7220E-001 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.6372E-001	-5.3773E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	1.0762E-001 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	7.1034E-005	-6.1950E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8019E+001	-2.1164E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.4871E-003	-6.3131E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Results Report 10/3/07 7:46:33 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/3/07 7:46:33 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/3/07 7:17:49 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

SKB 10/03/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9512E+001	2.4094E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.3592E-003	-1.3800E+000 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.6508E-001	-5.2413E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2207E+002	2.1759E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	6.6016E-005	-7.9254E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8043E+001	2.5299E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.5874E-003	-5.7708E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/15/07 7:36:18 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
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Last Results Report
10/15/07 7:36:18 AM

SKB 10/15/07

QA File: C:\GENIE2K\CAMFILES\LXAM05S2.QAF
Sample ID: SAMPLE.
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/15/07 7:07:43 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.5 seconds

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9494E+001	-1.1703E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.5900E-003+/- 0.000]	3.6079E-003	9.4641E-002 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	5.3480E-001	1.7305E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2204E+002	-3.4561E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.8700E-005+/- 0.000]	6.6018E-005	-1.5643E+000 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8007E+001	-4.5395E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6090E-003+/- 0.002]	4.5627E-003	-4.6502E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actic
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actic
BS = Measurement Bias Test (In = Investigate, Ac = Actic

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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                          Last Results Report
                          10/22/07  8:56:09 AM

QA File:                C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity:         1.0000E+000
Sample Date:
Measurement Date:       10/22/07  7:08:50 AM
Elapsed Live Time:          1000.0 seconds
Elapsed Real Time:          1001.7 seconds

Parameter Description            Value                Deviation/Flags
 [Mean +/- Std. Dev.]                             < LU : SD : UD : BS >

Am-241 Peak Energy             5.9493E+001            -1.3000E-002
 [UD: 5.9500E+001+/- 0.500]                       <    :    :    :    >

Am-241 Wtd mean activity       3.1288E-003            -2.5987E+000
 [UD: 3.6200E-003+/- 0.000]                       <    :    :In  :    >

Am-241 Peak FWHM               4.6865E-001            -4.8843E-001
 [UD: 5.1749E-001+/- 0.100]                       <    :    :    :    >

Co-57 Peak energy              1.2214E+002             1.5602E-001
 [UD: 1.2206E+002+/- 0.500]                       <    :    :    :    >

Co-57 Wtd mean activity        7.6318E-005            -4.3730E-001
 [UD: 8.9000E-005+/- 0.000]                       <    :    :    :    >

Cd-109 Peak energy             8.8031E+001             2.2278E-003
 [UD: 8.8030E+001+/- 0.500]                       <    :    :    :    >

Cd-109 Wtd mean activity       3.6538E-003            -1.0817E+000
 [UD: 5.6550E-003+/- 0.002]                       <    :    :    :    >

Flags Key:    LU = Lower/Upper Bounds Test      (Ab = Above, Be = Below)
              SD = Sample Driven N-Sigma Test   (In = Investigate, Ac = Actio
              UD = User Driven N-Sigma Test     (In = Investigate, Ac = Actio
              BS = Measurement Bias Test        (In = Investigate, Ac = Actio
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SKB
10/22/07

Last Measurement Q.A. Report 10/9/07 7:35:17 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
*************************************************************************
```

Last Results Report
10/9/07 7:35:17 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/9/07 7:06:47 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.9 seconds

SKB 10/9/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9509E+001	1.7334E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.4055E-003	-1.1348E+000 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.4880E-001	-6.8685E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	9.2789E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	6.3176E-005	-8.9049E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8025E+001	-9.7809E-003 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.3701E-003	-6.9456E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/10/07 8:00:22 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E        *****
*************************************************************************
```

Last Results Report
10/10/07 8:00:22 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/10/07 7:07:52 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

SKB 10/10/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9516E+001	3.1746E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.3674E-003	-1.3364E+000 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.6733E-001	-5.0159E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2209E+002	5.7632E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	8.3490E-005	-1.9000E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8038E+001	1.6800E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.2455E-003	-7.6188E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actior
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actior
BS = Measurement Bias Test (In = Investigate, Ac = Actior

Last Measurement Q.A. Report 10/11/07 7:49:04 AM Page 1

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*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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Last Results Report
10/11/07 7:49:04 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/11/07 7:09:28 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

SKB 10/11/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9506E+001	1.1932E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.1936E-003	-2.2560E+000 < : :In : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.2808E-001	-8.9407E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2210E+002	8.2001E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	6.4197E-005	-8.5528E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8060E+001	5.9357E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.1628E-003	-8.0659E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actior
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actior
BS = Measurement Bias Test (In = Investigate, Ac = Actior

Last Measurement Q.A. Report 10/12/07 7:40:19 AM Page 1

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*****************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*****************************************************************************
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Last Results Report
10/12/07 7:40:19 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/12/07 7:18:03 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

SRB 10/12/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9493E+001	-1.4236E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.3303E-003	-1.5330E+000 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.6938E-001	-4.8111E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	9.6527E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	7.8995E-005	-3.4500E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8018E+001	-2.4567E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.4147E-003	-6.7044E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

Last Measurement Q.A. Report 10/15/07 7:37:38 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
*************************************************************************
```

Last Results Report
10/15/07 7:37:38 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/15/07 7:07:49 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

SKB 10/15/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9505E+001	1.0071E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.3307E-003	-1.5306E+000 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.4843E-001	-6.9060E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	9.2300E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	6.8683E-005	-7.0059E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8023E+001	-1.4511E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.2913E-003	-7.3716E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actio
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actio
BS = Measurement Bias Test (In = Investigate, Ac = Actio

Last Measurement Q.A. Report 10/17/07 9:16:26 AM Page 1

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

Last Results Report
10/17/07 9:16:26 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/17/07 7:12:55 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

SKB
10/17/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9502E+001	3.1662E-003 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.3886E-003	-1.2245E+000 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.6230E-001	-5.5188E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	9.6542E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	5.6253E-005	-1.1292E+000 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8021E+001	-1.8616E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.5724E-003	-5.8519E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action
BS = Measurement Bias Test (In = Investigate, Ac = Action

Last Measurement Q.A. Report 10/18/07 8:09:26 AM Page 1

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*************************************************************************
*****          G E N I E   Q U A L I T Y   A S S U R A N C E          *****
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```

Last Results Report
10/18/07 8:09:26 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/18/07 7:10:10 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.7 seconds

SKB 10/18/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9501E+001	2.7924E-003 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.1246E-003	-2.6209E+000 < : :In : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.4534E-001	-7.2148E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2211E+002	9.4452E-002 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	6.0629E-005	-9.7832E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8045E+001	2.9678E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	4.1118E-003	-8.3416E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actior
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actior
BS = Measurement Bias Test (In = Investigate, Ac = Actior

Last Measurement Q.A. Report 10/8/07 8:17:05 AM Page 1

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***** GENIE QUALITY ASSURANCE *****
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Last Results Report
10/8/07 8:17:05 AM

QA File: C:\GENIE2K\CAMFILES\LGAM05S1.QAF
Sample ID:
Sample Quantity: 1.0000E+000
Sample Date:
Measurement Date: 10/8/07 7:14:14 AM
Elapsed Live Time: 1000.0 seconds
Elapsed Real Time: 1001.8 seconds

SKB 10/8/07

Parameter Description [Mean +/- Std. Dev.]	Value	Deviation/Flags < LU : SD : UD : BS >
Am-241 Peak Energy [UD: 5.9500E+001+/- 0.500]	5.9492E+001	-1.5488E-002 < : : : >
Am-241 Wtd mean activity [UD: 3.6200E-003+/- 0.000]	3.3459E-003	-1.4505E+000 < : : : >
Am-241 Peak FWHM [UD: 5.1749E-001+/- 0.100]	4.4408E-001	-7.3405E-001 < : : : >
Co-57 Peak energy [UD: 1.2206E+002+/- 0.500]	1.2206E+002	-2.7313E-003 < : : : >
Co-57 Wtd mean activity [UD: 8.9000E-005+/- 0.000]	6.8287E-005	-7.1425E-001 < : : : >
Cd-109 Peak energy [UD: 8.8030E+001+/- 0.500]	8.8035E+001	1.0086E-002 < : : : >
Cd-109 Wtd mean activity [UD: 5.6550E-003+/- 0.002]	3.9802E-003	-9.0531E-001 < : : : >

Flags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Actior
UD = User Driven N-Sigma Test (In = Investigate, Ac = Actior
BS = Measurement Bias Test (In = Investigate, Ac = Actior