

**Radionuclide Analysis Facility**
**Gamma Analysis Report**

Issued by Meka E. Francis

 Report Date: November 2, 2017  
 Work Request #: 17-329  
 Submitted by: Bruce Brown on 10/24/17  
 Workbook: HPGe#2-12, page(s) 73

**MI Instrumentation**

The Accelerator Division/Accelerator Systems/Main Injector Dept. submitted 6 aluminum tag samples on Work Request# 17-329 for analysis of accelerator produced radionuclides. Each sample was counted on detector HPGe#2. The following table lists the radionuclides detected in the samples along with the corresponding specific activities. If a sample activity was reported, it has been corrected to the time of sampling.

SampleID#	Sample Time	Location	Tag #	Count Info	Mass	Count Date	Radionuclide	Activity (pCi/g)
171024BB09	14:15	LM 102A-LT	6077	7200sec @ 4cm	2.356 g	10/27/17 @ 8:30	Na-22	80 ± 13
171024BB10	14:15	LM 102B-LT	6081	7200sec @ 4cm	2.354 g	10/27/17 @ 10:49	Na-22	66 ± 11
171024BB11	14:15	Minor Alcove	6084	7200sec @ 4cm	2.344 g	10/27/17 @ 13:07	Na-22	22.3 ± 3.9
171024BB12	14:15	LM 104-LT	6442	7200sec @ 4cm	2.341 g	10/30/17 @ 11:28	Na-22	8.2 ± 2.0
171024BB13	14:15	D 104A-LT	6446	7200sec @ 4cm	2.340 g	10/30/17 @ 13:38	Na-22	15.7 ± 2.8
171024BB14	14:15	MI-62 HV-Box-LT	6744	7200sec @ 4cm	2.352 g	10/31/17 @ 8:23	Na-22	9.6 ± 2.2

 cc: B. Brown J. Zagel  
 ESH&Q/RPS/RAF Distribution List