


Location: New Haven, CT						RWP#		Survey UNC-2016-007 - Item of Interest 3			Survey Type: Informational		pg. 1 of 3				
Site: Former UNC Manufacturing Facility						N/A											
Direct Count (DPM/100 cm ²)			Smear (DPM/100 cm ²)			circle one											
No.	α	β	No.	α	β												
1	30939	11626	1	5	-13												
2	17508	7892	2														
3			3														
4			4														
5			5														
6			6														
7			7														
8			8														
9			9														
10			10														
11			11														
12			12														
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17			17														
18			18														
19			19														
20			20														
21			21														
22			22														
23			23														
24			24														
25			25														
Comments Conversion from counts to DPM/100 cm ² for direct counts and smears are provided on pages 2 and 3, respectively. First static on one side of the item, second static on the opposite side.						Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key	
							23-Jun-16	2360/ 43-93	184913/ PR199839	0.10133	0.05892	0.0	111	N/A	09-Jun-17		
						Al Craig	23-Jun-16	2929/ 43-10-1	157320/ PR157821	0.35211	0.17966	0.4	26.4	N/A	16-May-17	■	A/S Location
																.	Boundary
																○	Smear
																□	Dose Rate _____ /hr
						Reviewed By:	Date:									*	Direct Reading CPM/direct frisk
						Nicholas M. Berliner	25-Jun-16									△	Grab Sample

Nick Berliner

CABRERA STATIC COUNTING WORKSHEET (Rev 6)

Detector Active Area (cm ²)
100

α eff	β eff
0.1013	0.0589

Static Count Time (min)
1.0

Daily Background Count Time (min)
1.0

dpm/100 cm ²	
α Flag	β Flag
5,000	5,000

* Morning Daily Count

seq. #	Sample ID# and Description	Date	Background Total Counts*		Sample Total Counts		Background (cpm)		Sample Counts (cpm)		Sample (dpm/100 cm ²)		> α flag	> β flag	Tech. Initial
			α	β	α	β	α	β	α	β	α	β			
20	Item of Interest #3	6/23/2016	0	111	3135	796	0.0	111.0	3135.00	796	30939.2	11626	FLAG	FLAG	AC
21	Item of Interest #3	6/23/2016	0	111	1774	576	0.0	111.0	1774.00	576	17507.5	7892	FLAG	FLAG	AC

CABRERA SMEAR COUNTING WORKSHEET (Rev 6)

α eff	β eff
0.3521	0.1797

Sample Count Time (min)	Daily Background Count Time (min)
1.0	5.0

dpm/100 cm ²
α Flag β Flag
1,000 1,000

* Morning Daily Count

seq. #	Sample ID# and Description	Date	Background Total Counts*		Sample Total Counts		Background (cpm)		Sample Counts (cpm)		Sample (dpm/100 cm ²)		> α flag	> β flag	Tech. Initial
			α	β	α	β	α	β	α	β	α	β			
64	Item of interest 3	6/23/2016	2	132	2	24	0.4	26.4	2.00	24	4.5	-13			AC