

Location: New Haven, CT	RWP#	Survey UNC-2016-005 - Item of Interest 1	Survey Type: Informational
Site: Former UNC Manufacturing Facility	N/A		pg. 1 of 3

Direct Count (DPM/100 cm <sup>2</sup> )			Smear (DPM/100 cm <sup>2</sup> )		
No.	$\alpha$	$\beta$	No.	$\alpha$	$\beta$
1	25491	22098	1	-1	48
2	28038	14647	2		
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
9			9		
10			10		
11			11		
12			12		
13			13		
14			14		
15			15		
16			16		
17			17		
18			18		
19			19		
20			20		
21			21		
22			22		
23			23		
24			24		
25			25		



Comments	Surveyed By:	Date:	Instrument	Serial #	$\alpha$ Eff.	$\beta$ Eff.	$\alpha$ Bkg.	$\beta$ Bkg.	$\gamma$ Bkg.	Cal. Due	Key
Conversion from counts to DPM/100 cm <sup>2</sup> 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.		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
	Nick Berliner	25-Jun-16									△ Grab Sample

Nick Berliner

# CABRERA STATIC COUNTING WORKSHEET (Rev 6)

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Detector Active Area (cm <sup>2</sup> )
100

$\alpha$ eff	$\beta$ eff
0.1013	0.0589

Static Count Time (min)
1.0

Daily Background Count Time (min)
1.0

dpm/100 cm <sup>2</sup>	
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 <sup>2</sup> )		> $\alpha$ flag	> $\beta$ flag	Tech. Initial
			$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$			
16	Item of Interest #1	6/23/2016	0	111	2583	1413	0.0	111.0	2583.00	1413	25491.5	22098	FLAG	FLAG	AC
17	Item of Interest #1	6/23/2016	0	111	2841	974	0.0	111.0	2841.00	974	28037.7	14647	FLAG	FLAG	AC

# CABRERA SMEAR COUNTING WORKSHEET (Rev 6)

$\alpha$ eff	$\beta$ eff
0.3521	0.1797

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

dpm/100 cm <sup>2</sup>	
$\alpha$ Flag	$\beta$ 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 <sup>2</sup> )		> $\alpha$ flag	> $\beta$ flag	Tech. Initial
			$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$			
62	Item of interest 1	6/23/2016	2	132	0	35	0.4	26.4	0.00	35	-1.1	48			AC