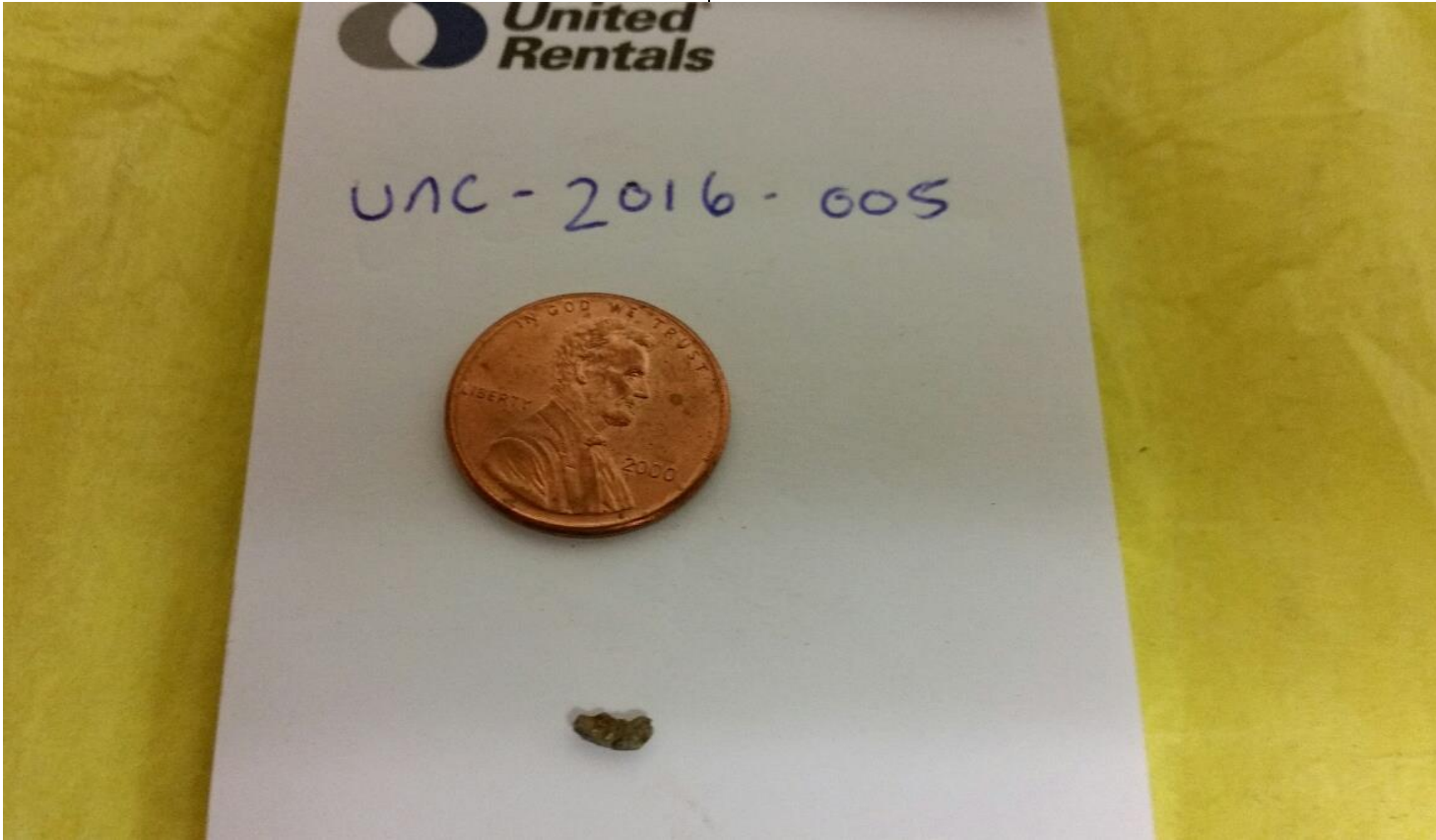


Location: New Haven, CT						RWP#		Survey UNC-2016-009 - Item of Interest 5		Survey Type: Informational		pg. 1 of 3	
Site: Former UNC Manufacturing Facility						N/A							
Direct Count (DPM/100 cm <sup>2</sup> )			Smear (DPM/100 cm <sup>2</sup> )			circle one							
No.	$\alpha$	$\beta$	No.	$\alpha$	$\beta$								
1	4382	4837	1	5	20								
2	6444	6653	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 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.	Surveyed By:	Date:	Instrument	Serial #	$\alpha$ Eff.	$\beta$ Eff.	$\alpha$ Bkg.	$\beta$ Bkg.	$\gamma$ 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
	Nick Berliner	25-Jun-16									△	Grab Sample

Nick Berliner

# CABRERA STATIC COUNTING WORKSHEET (Rev 6)

page 2 of 3

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
			$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$			
24	Item of Interest #5	6/23/2016	0	111	444	396	0.0	111.0	444.00	396	4381.8	4837			AC
25	Item of Interest #5	6/23/2016	0	111	653	503	0.0	111.0	653.00	503	6444.4	6653	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
			$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$			
66	Item of interest 5	6/23/2016	2	132	2	30	0.4	26.4	2.00	30	4.5	20			AC