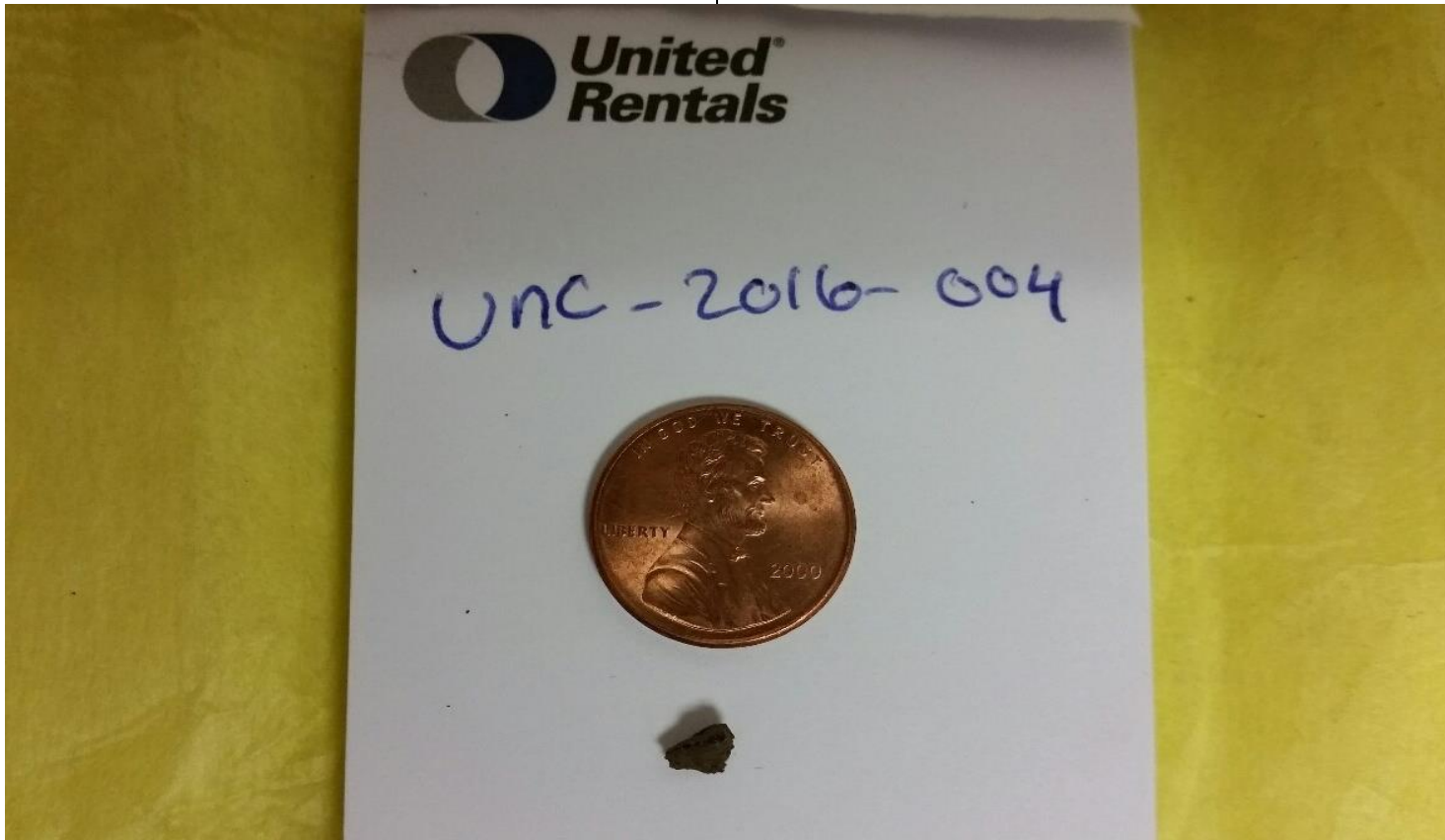


Location: New Haven, CT						RWP#		Survey UNC-2016-008 - Item of Interest 4			Survey Type: Informational		pg. 1 of 3	
Site: Former UNC Manufacturing Facility						N/A								
Direct Count (DPM/100 cm ²)			Smear (DPM/100 cm ²)			circle one								
No.	α	β	No.	α	β									
1	5191	3191	1	-1	70									
2	6839	3394	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 #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key	
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.		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 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			
22	Item of Interest #4	6/23/2016	0	111	526	299	0.0	111.0	526.00	299	5191.1	3191	FLAG		AC
23	Item of Interest #4	6/23/2016	0	111	693	311	0.0	111.0	693.00	311	6839.2	3394	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			
65	Item of interest 4	6/23/2016	2	132	0	39	0.4	26.4	0.00	39	-1.1	70			AC