


Location: New Haven, CT						RWP#		Survey UNC-2016-004 - Connex		Survey Type:		pg. 1 of 3		
Site: Former UNC Manufacturing Facility						N/A		Incoming		Incoming				
Direct Count (DPM/100 cm ²)		Smear (DPM/100 cm ²)		circle one										
No.	α	β	No.	α	β									
1	-10	51	1	-1	-51									floor front
2	-10	153	2	-1	43									floor rear
3	10	221	3	-1	16									left-hand wall I/S
4	0	136	4	2	-35									right-hand wall I/S
5	10	85	5	-1	21									back wall I/S
6	0	17	6	-1	-35									front doors I/S
7	0	153	7	-1	4									left-hand wall O/S
8	-10	-221	8	-1	-7									right-hand wall O/S
9	0	-339	9	-1	-35									back wall O/S
10	-10	-68	10	-1	-46									front doors O/S
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.		22-Jun-16	2360/ 43-93	184913/ PR199839	0.10133	0.05892	1.0	106	N/A	09-Jun-17		
	Al Craig	22-Jun-16	2929/ 43-10-1	157320/ PR157821	0.35211	0.17966	0.2	33.2	N/A	16-May-17	<input checked="" type="checkbox"/>	A/S Location
											<input type="checkbox"/>	Boundary
											<input type="radio"/>	Smear
											<input type="checkbox"/>	Dose Rate _____ /hr
	Reviewed By:	Date:									*	Direct Reading CPM/direct frisk
	Nick Berliner	22-Jun-16									<input type="checkbox"/>	Grab Sample

CABRERA STATIC COUNTING WORKSHEET (Rev 6)

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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

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			
incoming connex box 1	6/22/2013	1	106	0	109	1.0	106.0	0.00	109	-9.9	51			AC
incoming connex box 2	6/22/2013	1	106	0	115	1.0	106.0	0.00	115	-9.9	153			AC
incoming connex box 3	6/22/2013	1	106	2	119	1.0	106.0	2.00	119	9.9	221			AC
incoming connex box 4	6/22/2013	1	106	1	114	1.0	106.0	1.00	114	0.0	136			AC
incoming connex box 5	6/22/2013	1	106	2	111	1.0	106.0	2.00	111	9.9	85			AC
incoming connex box 6	6/22/2013	1	106	1	107	1.0	106.0	1.00	107	0.0	17			AC
incoming connex box 7	6/22/2013	1	106	1	115	1.0	106.0	1.00	115	0.0	153			AC
incoming connex box 8	6/22/2013	1	106	0	93	1.0	106.0	0.00	93	-9.9	-221			AC
incoming connex box 9	6/22/2013	1	106	1	86	1.0	106.0	1.00	86	0.0	-339			AC
incoming connex box 10	6/22/2013	1	106	0	102	1.0	106.0	0.00	102	-9.9	-68			AC

CABRERA SMEAR COUNTING WORKSHEET (Rev 6)

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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

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			
incoming connex box 1	6/22/2013	1	166	0	24	0.2	33.2	0.00	24	-0.6	-51			AC
incoming connex box 2	6/22/2013	1	166	0	41	0.2	33.2	0.00	41	-0.6	43			AC
incoming connex box 3	6/22/2013	1	166	0	36	0.2	33.2	0.00	36	-0.6	16			AC
incoming connex box 4	6/22/2013	1	166	1	27	0.2	33.2	1.00	27	2.3	-35			AC
incoming connex box 5	6/22/2013	1	166	0	37	0.2	33.2	0.00	37	-0.6	21			AC
incoming connex box 6	6/22/2013	1	166	0	27	0.2	33.2	0.00	27	-0.6	-35			AC
incoming connex box 7	6/22/2013	1	166	0	34	0.2	33.2	0.00	34	-0.6	4			AC
incoming connex box 8	6/22/2013	1	166	0	32	0.2	33.2	0.00	32	-0.6	-7			AC
incoming connex box 9	6/22/2013	1	166	0	27	0.2	33.2	0.00	27	-0.6	-35			AC
incoming connex box 10	6/22/2013	1	166	0	25	0.2	33.2	0.00	25	-0.6	-46			AC