

Scan Information Sheet

SIU/Room: 5-R3/553A-B

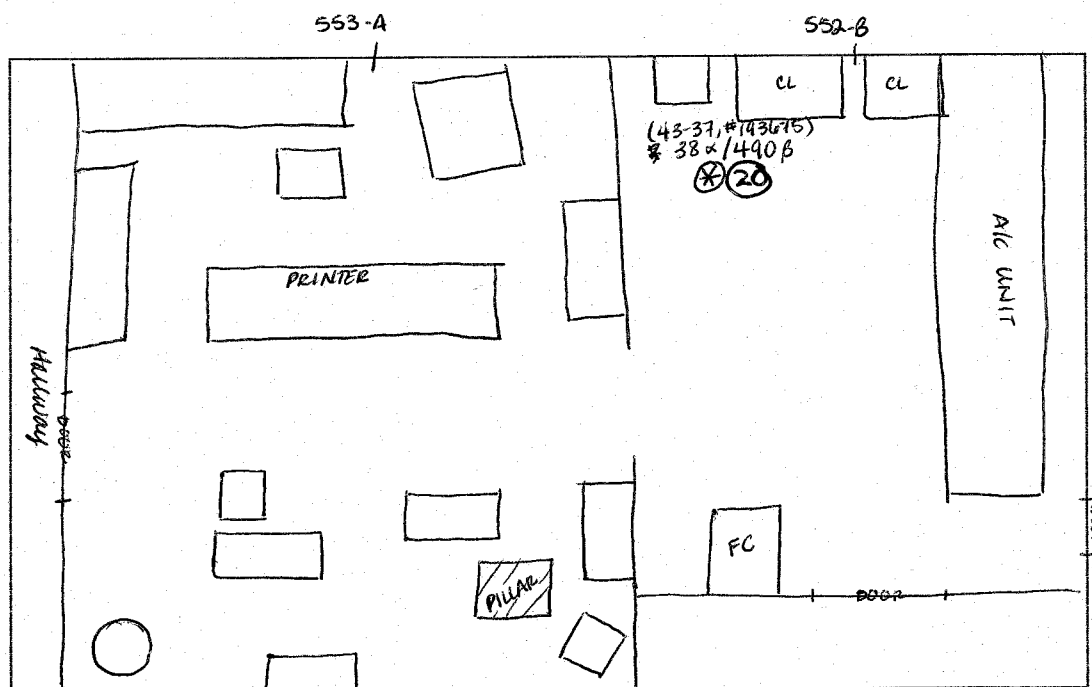
Class: 3

Tech Init.: PR, GB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Machine room, Lab area.

Cinderblock walls, VCT floors (A),
WAT floors (B), painted concrete
pillar.



Notes: Floor Survey (43-37/2360, #184438)
 α -survey: \leq bkqd (A) β_{avg} : 400 cpm
 β_{max} : 550 cpm

r-survey (43-3/2221, #163673)
 \leq bkqd.

Wall Survey (43-37/2360, #193675)
 α -survey: \leq bkqd. β_{avg} : 500 cpm
 β_{max} : 600 cpm

Tech Signature: Michael Gille

Date: 3/8/07

Scan Information Sheet

SI/Room: 5-R3/554J1-J2

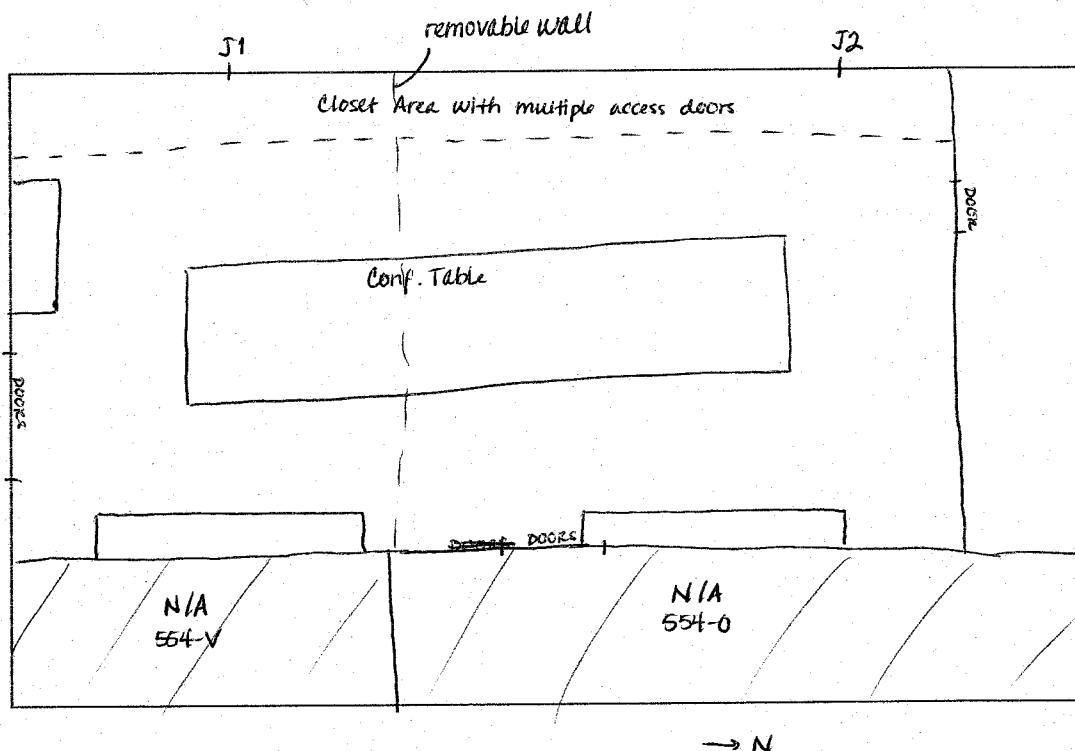
Class: 3

Tech Init.: PR, GB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Conference Room

- Interior wall of west closet area is painted cinderblock, floor is carpeted, room walls are carpet-covered sheetrock over unknown material.



Notes: Floor Survey (43-37/2360, #184938)

α -Survey: \leq bkqd. β avg: 400 cpm
 β max: 500 cpm

^{44-3⁰² 3/8/07}
R-Survey (43-3/2221, #163673)
 \leq bkqd.

Wall Survey (43-37/2360) #193675)

α -Survey: \leq bkqd. β avg: 450 cpm
 β max: 500 cpm

Tech Signature: Michael Dale

Date: 3/8/07

Scan Information Sheet

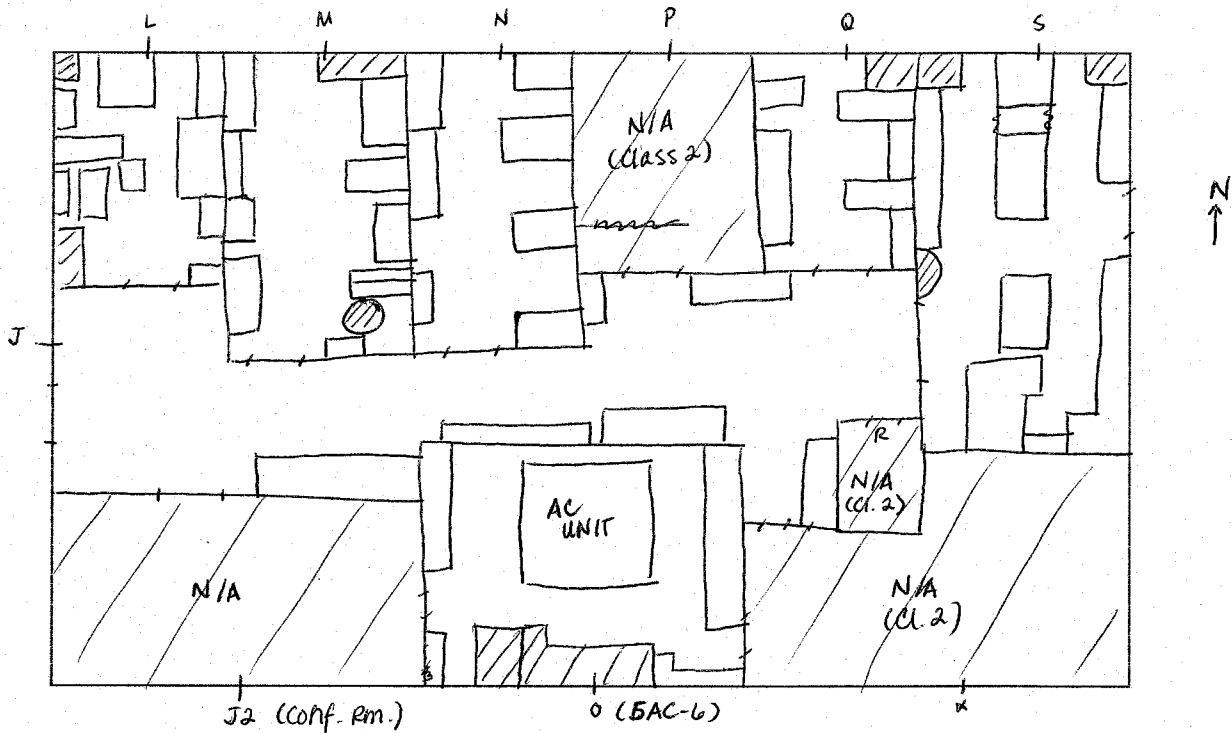
SIU/Room: 5R3/554J, L-S

Class: 3

Tech Init.: PR, GB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Offices, hallway, lab areas.
- Floors VAT, walls PCB.



Notes: Floor Survey (43-37/2360, #184938)

α -survey: \leq bkgd

β avg: 400 cpm
 β max: 600 cpm

γ -survey (43-3/2221, #163673)

\leq bkgd.

Wall Survey (43-37/2360, #193675) + (43-69/2224, #161781)

α -survey: \leq bkgd.

β avg: 200 cpm
 β max: 250 cpm

(hallway + 554-0)
hallway 450 cpm } all other areas
554-0 550 cpm }

Tech Signature: Michael Dill

Date: 3/8/07

Scan Information Sheet

SU/Room: 5-R3/555A

Class: 3

Tech Init.: PR, GB

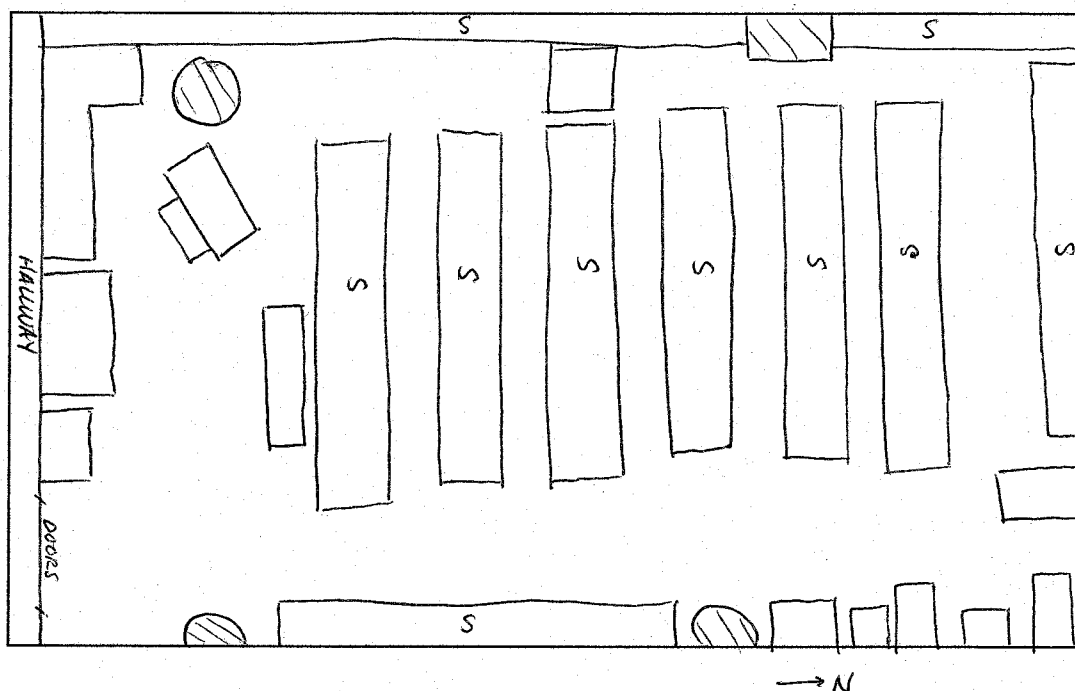
- Storeroom

Note:

1. On map: draw dimensions and characters
2. Record scan data for different surfaces
3. Mark all areas > Action Level (include sample ID)
4. Record avg and max observed cpm

North/South walls - sheetrock
West wall - painted metal
East wall - painted cinderblock
Floor - combination VAT/VCT tiles

s = shelves



Notes:

Floor Survey (43-37/2360, #184938)

α -survey: \leq bkgd.

β avg: 450 cpm
 β max: 650 cpm

^{44-3 PR 3/8/07}
r-survey (43-3/2221, #163673)

\leq bkgd.

Wall survey (43-68/2224, #161781)

α -survey: \leq bkgd.

β avg: 150 cpm
 β max: ~~200~~ 150 cpm
on 3/8/07

Tech Signature: Michael Dill

Date: 3/8/07

Scan Information Sheet

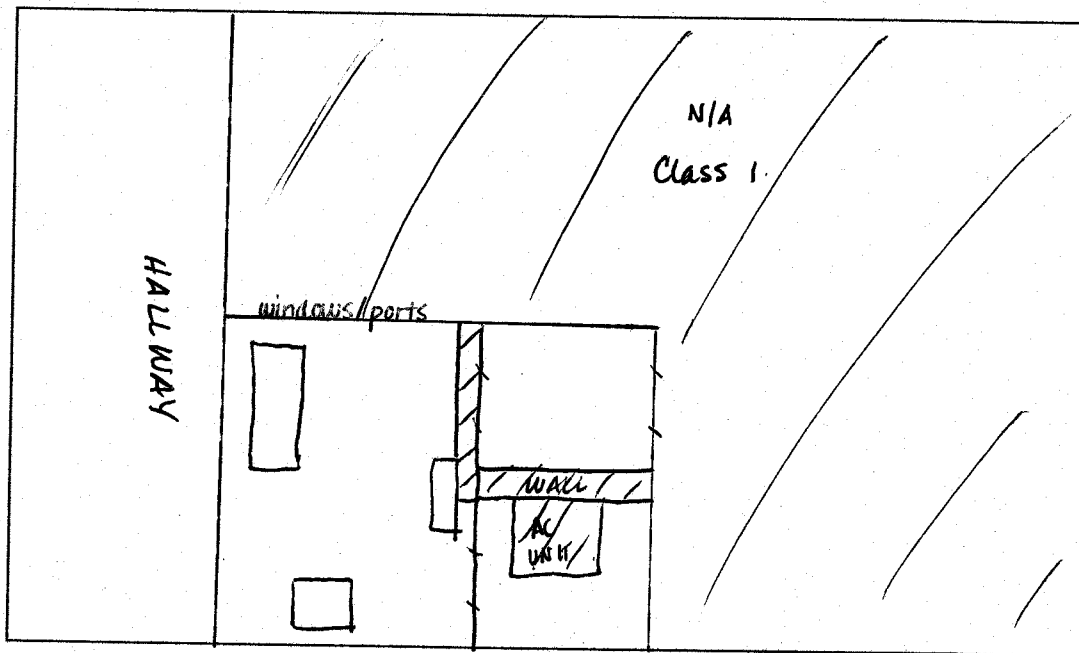
SU/Room: 5-R3
~~55MG~~ / 552-A(Rn)
3/10/07 PR

Class: A3

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Entire room is stainless steel
- Access doors are framed - you need to step over them while passing through.



Notes: Floor Survey (43-37/2360, #184938) γ-survey: ≤ bkgd.
α-survey: ≤ bkgd. Barγ: 400 cpm (43-3/2221, #163673)
βmax: 550 cpm 44-3 PR 3/14/07
Wall Survey (43-37/2360, #143675)
α-survey: ≤ bkgd Barγ: 400 cpm
βmax: 500 cpm

Tech Signature: Michael Dill

Date: 3/12/07

Scan Information Sheet

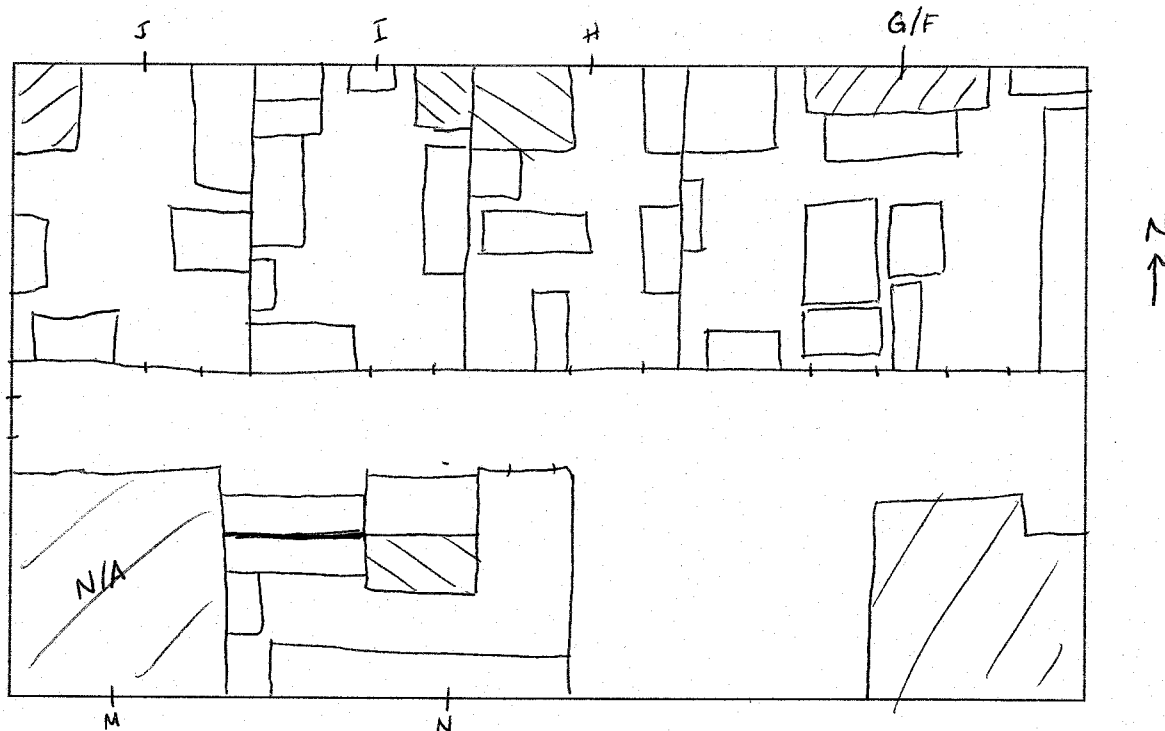
SU/Room: 5-R3/551G-J

Class: 3

Tech Init.: CB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Offices
- Floor VAT, walls PCB



Notes: Floor Survey - 43-37/2360 #184938

α survey: \leq Bkgd β_{avg} : 500 cpm
 β_{max} : 600 cpm

r-survey: \leq bkgd.
(43-3/2221, #163673)
44-3 PR/3/7/07

Wall Survey - 43-37/2360 #193675

α survey: \leq Bkgd β_{avg} : 500 cpm
 β_{max} : 600 cpm

Tech Signature:

[Handwritten Signature]

Date: 3/7/07

Scan Information Sheet

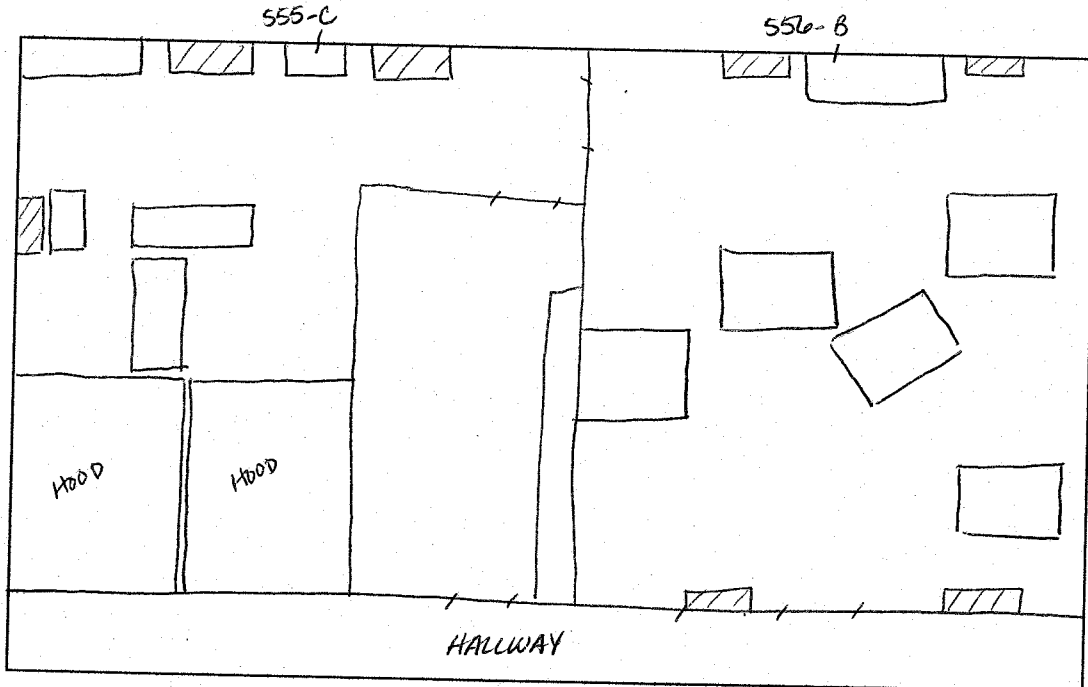
SU/Room: 5-R3 / 555B-C ^{555B-555C}

Class: 3

Tech Init.: PR, GB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Lab rooms
- Floors VAT, walls PCB.



Notes:

<p>FLOOR SURVEY (43-37/2360, #184938)</p>		<p>44-3 ^{PR} 5/6/07</p>
<p>α-survey: ≤ bkgd.</p>	<p>βavg: 400 cpm βmax: 600 cpm</p>	<p>γ-survey (43-3/2221, #163673) ≤ bkgd.</p>
<p>WALL SURVEY (43-68/2224, #161781)</p>		
<p>α-survey: ≤ bkgd.</p>	<p>βavg: 150 cpm βmax: 200 cpm</p>	

Tech Signature: Michael Dico

Date: 3/8/07

Scan Information Sheet

SU/Room: 5-3R/559-A/C

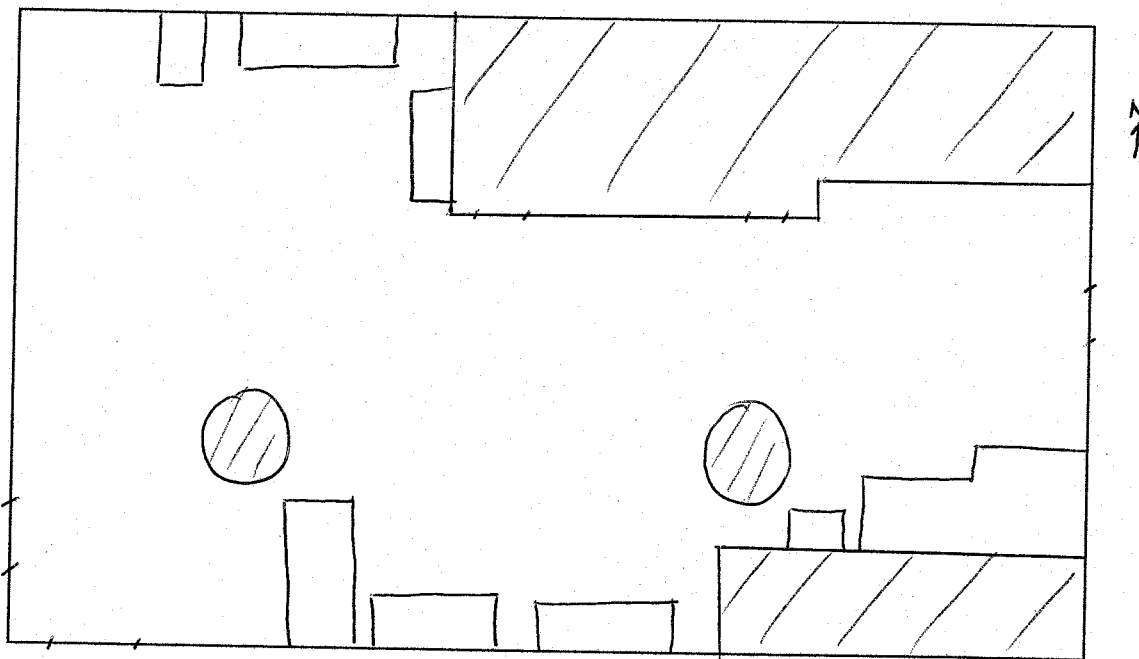
Class: 2

Tech Init.: PR, GB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Former lab area, now empty.
- Floor VAT, walls PCB

Floor- VAT
Walls - painted metal w/ portion of
south wall painted
cinderblock



Notes: Floor survey (43-37/2360, #184938) γ-survey (44-3^{PR} 3/8/07/2221, #163673)
α-survey: ≤ bkgd. β_{avg} : 400 cpm β_{max} : 550 cpm ≤ bkgd.
Wall survey (43-68/2224, #161781)
α-survey: ≤ bkgd. β_{avg} : 150 cpm β_{max} : 250 cpm

Tech Signature: Michelle Rill

Date: 3/8/07

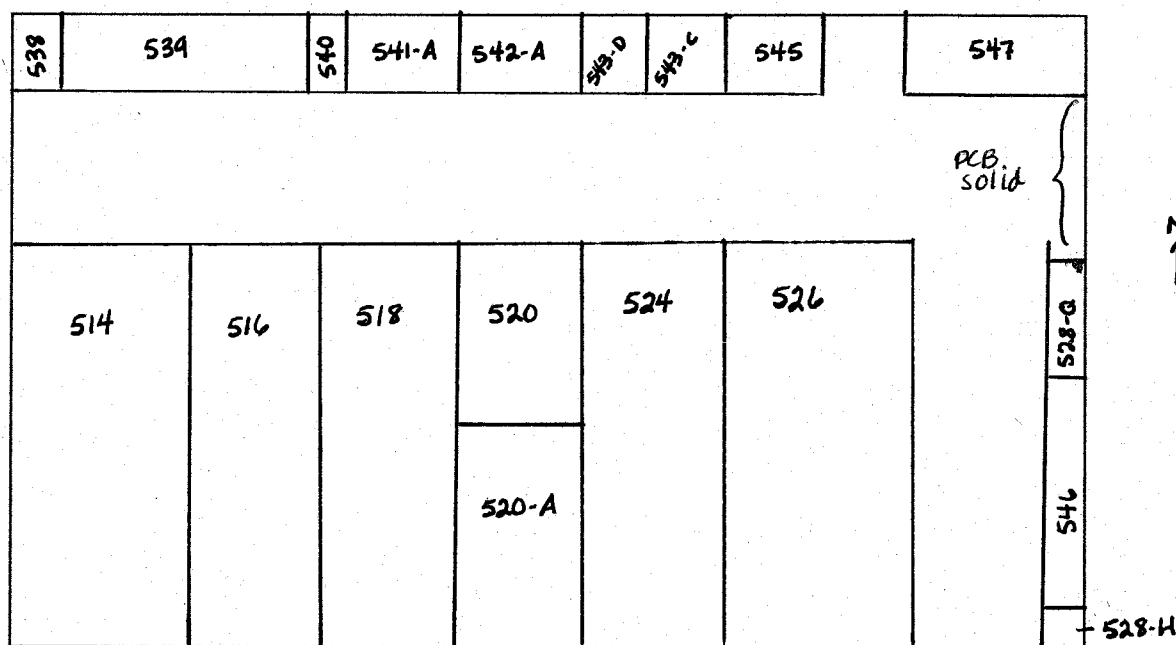
Scan Information Sheet

SU/Room: 5-RL/N/E HallwaysClass: 2Tech Init.: MD, PR

Note:

1. On map: draw dimensions and characters
2. Record scan data for different surfaces
3. Mark all areas > Action Level (include sample ID)
4. Record avg and max observed cpm

- Floor VAT, walls PCB (Painted Cinder Block)

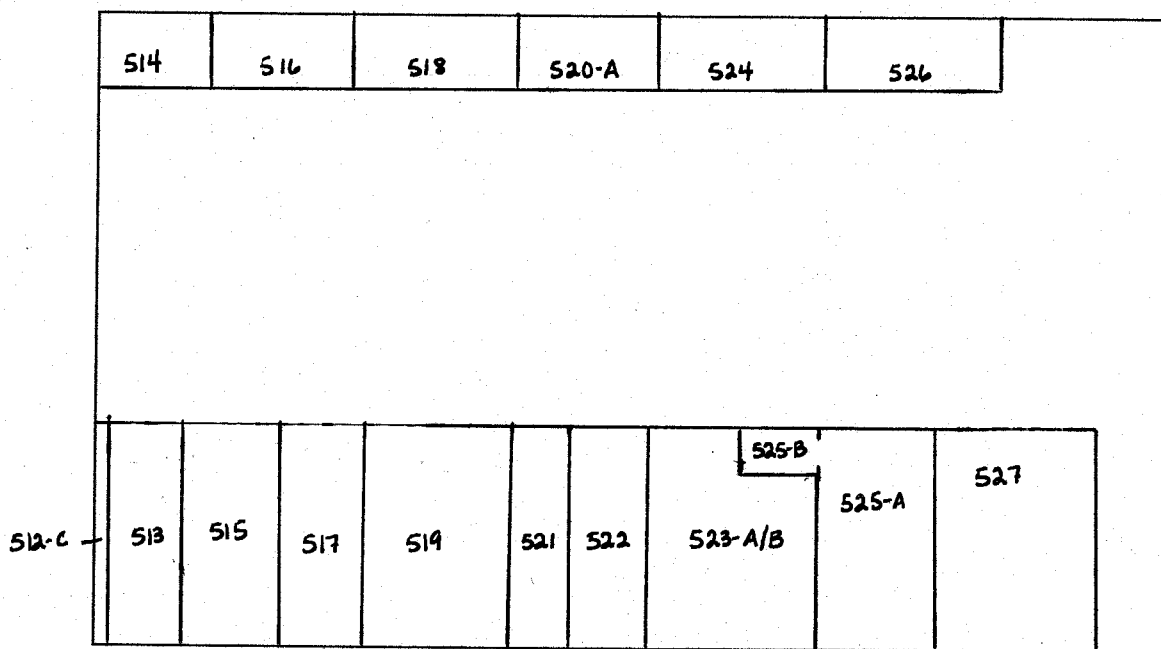
- Doorway areas of labs were slightly above β_{avg} but not above β_{max} . (floors)Notes: Floor Survey (43-37/2360, #184938) γ -survey: \leq bkgd. α -survey: \leq bkgd β_{avg} : 500 cpm
 β_{max} : 650 cpm(44-312221, #163673)Wall Survey (43-37/2360, #193675) α -survey: \leq bkgd β_{avg} : 400 cpm
 β_{max} : 500 cpm850 cpm } PCB
1000 cpm } PCB-solidTech Signature: Michael PielDate: 3/20/07 - 3/21/07

Scan Information Sheet

SU/Room: 5-RL/S HallwayClass: 2Tech Init.: MD, PR

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Floor VAT, walls PCB.

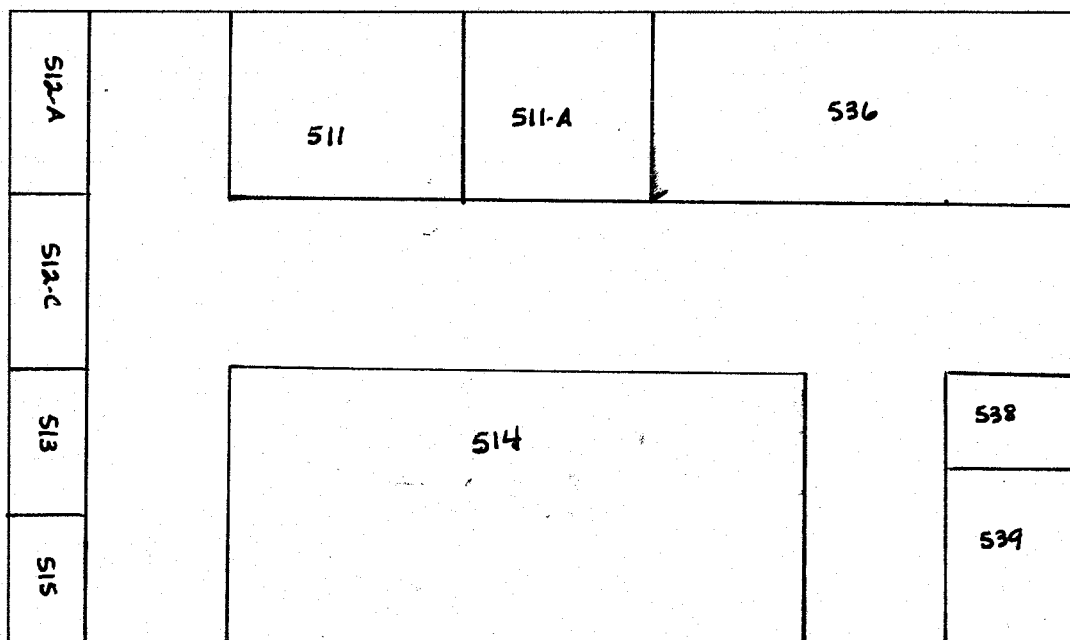
- Doorway areas of labs were slightly above β_{avg} but not above β_{max} .
(floors)Notes: Floor Survey (43-37/2360, #184938) γ -survey: \leq bkgd. α -survey: \leq bkgd. β_{avg} : 500 cpm
 β_{max} : 650 cpm(44-3/2221, #163673)Wall Survey (43-37/2360, #193675) α -survey: \leq bkgd β_{avg} : 550 cpm
 β_{max} : 600 cpmTech Signature: Michael DePDate: 3/20/07 - 3/21/07

Scan Information Sheet

SU/Room: S-RL/W HallwayClass: 2Tech Init.: MD, PR

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- FLOOR VAT, walls PCB (painted cinderblock)

Notes: Floor Survey (43-37/2360, #184438)γ-survey: ≤ bkgd.α-survey: ≤ bkgdβavg: 500 cpm
βmax: 650 cpm(44-3/2221, #163673)Wall Survey (43-37/2360, #193675)α-survey: ≤ bkgdβavg: 550 cpm
βmax: 600 cpm

Tech Signature: _____

Date: 3/20/07 - 3/21/07

Scan Information Sheet

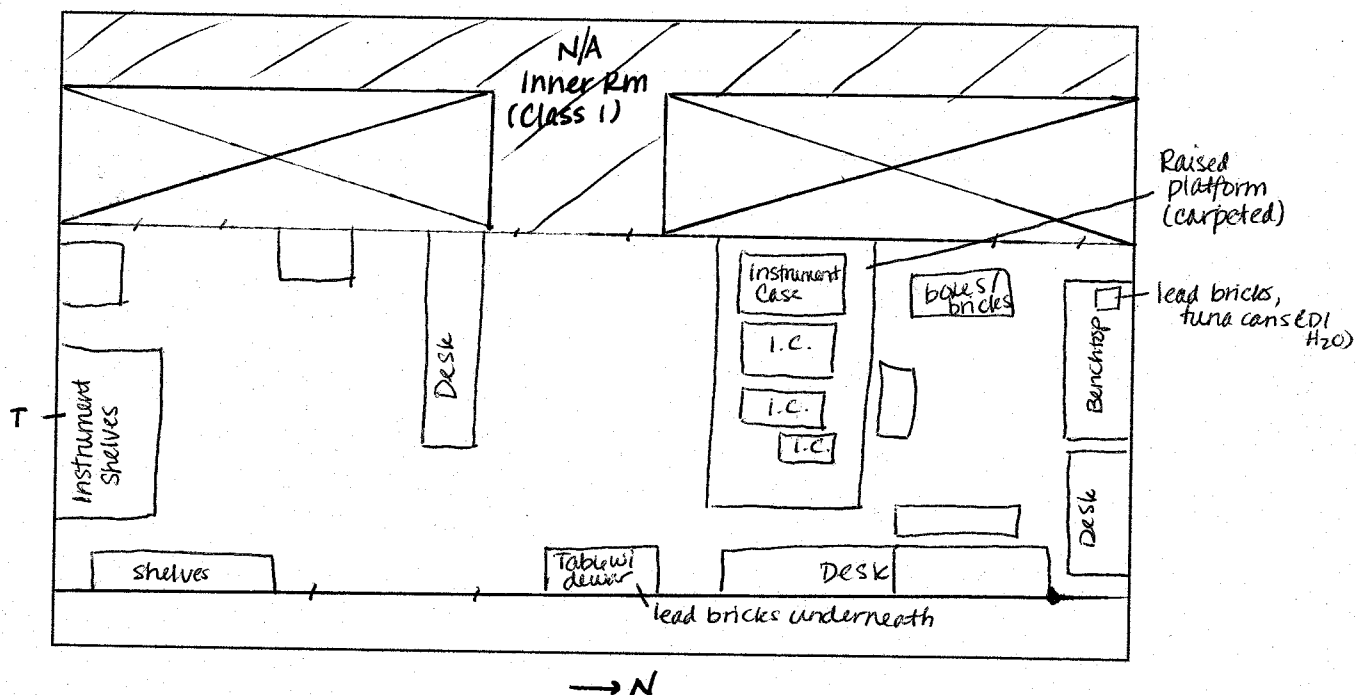
SU/Room: 5-RL/528T

Class: 2

Tech Init.: PR, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Floor VAT, walls PCB (Painted Cinder Block)



Notes: Floor Survey (43-37/2360, #184938)

α -survey: \leq bkgd

β avg: 550 cpm
 β max: 650 cpm

γ -survey: \leq bkgd

(44-3/2221, #163673)

Wall Survey (43-37/2360, #193675)

α -survey \leq bkgd.

β avg: 450 cpm
 β max: 500 cpm

Tech Signature: Michael Dill

Date: 3/21/07

Scan Information Sheet

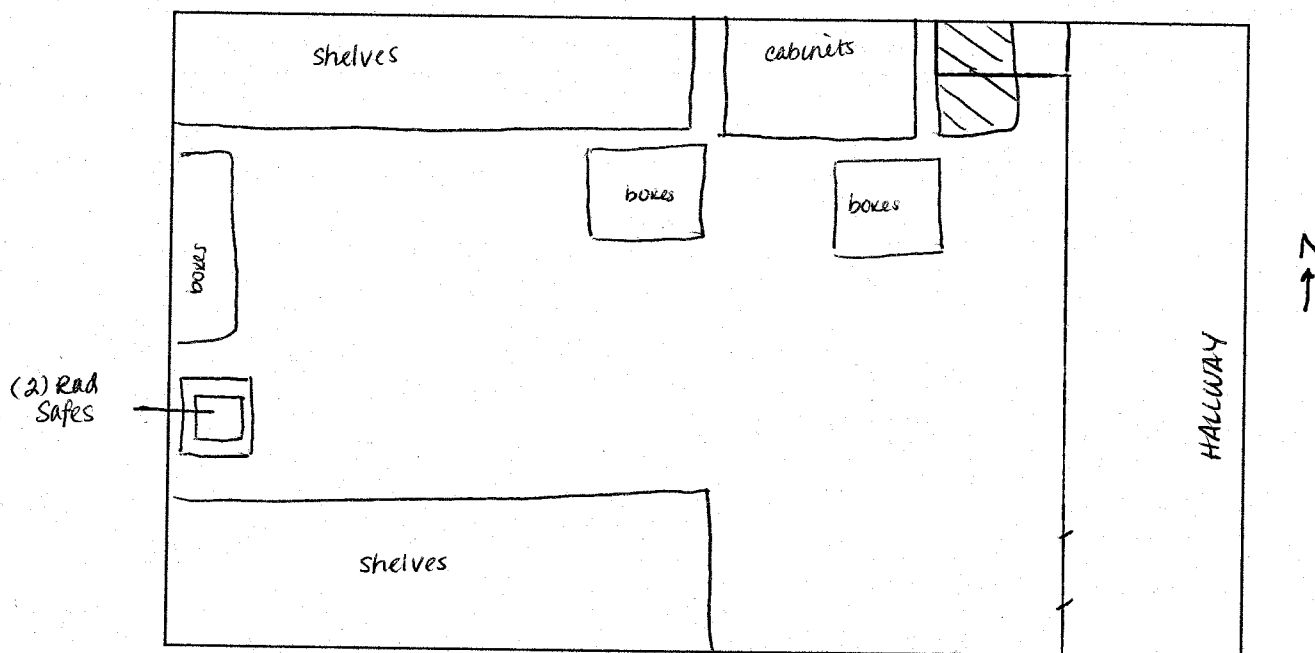
SU/Room: 5-RL/528Q

Class: 2

Tech Init.: PR, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Floor VAT, walls PCB (Painted Cinder Block)
- Rad source storage room



Notes: Floor Survey (43-37/2360, #184438)

γ-survey: ≤ bkqd.
(44-3/2221, #163673)

α-survey: ≤ bkqd. β_{avg} : 450 cpm
 β_{max} : 600 cpm

Wall Survey (43-37/2360, #193675)

α-survey: ≤ bkqd β_{avg} : 400 cpm
 β_{max} : 500 cpm

Tech Signature: Michael DeLo

Date: 3/21/07

Scan Information Sheet

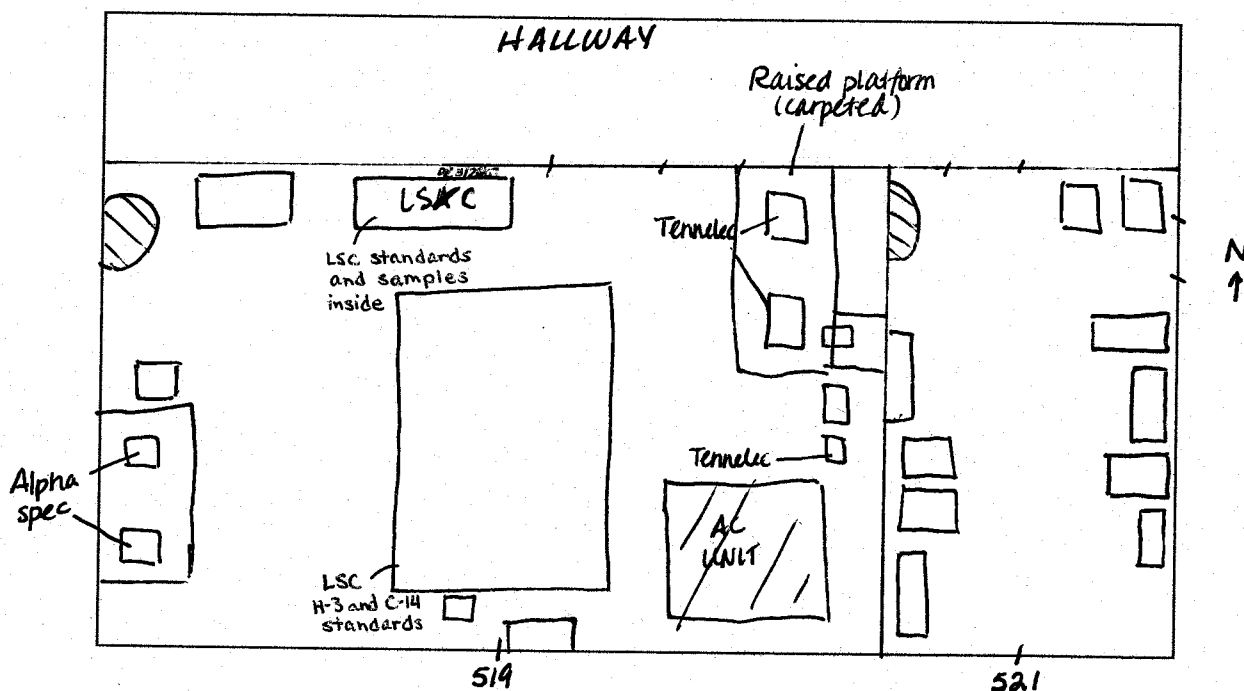
SU/Room: 5-RL/519, 521

Class: 2

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Alpha/Beta Counting Lab
- Floors VAT, Walls PCB (Painted Cinderblock)



Notes: FLOOR Survey (43-37/2360, #184938)

γ-survey: ≤ bkqd.

α-survey: ≤ bkqd. β_{avg} : 450 cpm
 β_{max} : 600 cpm (550 for 519)

(44-3/2221, #163673)

Wall Survey (43-37/2360, #193675)

α-survey: ≤ bkqd. β_{avg} : 450 cpm
 β_{max} : 600 cpm (500 for 519)

Tech Signature: _____

Michael DeLo

Date: _____

3/12/07

Scan Information Sheet

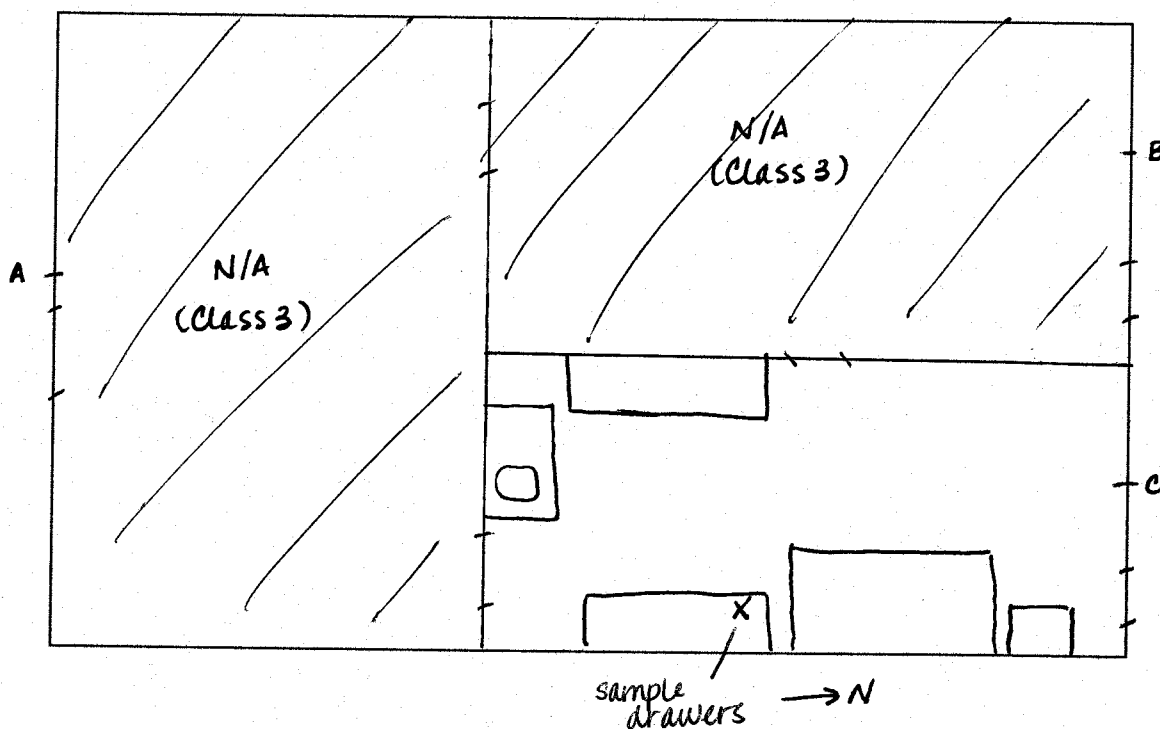
SU/Room: 5-RL / 542-C

Class: 2

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Drawers directly south of hood (top two) contain small sample cans. Second one from top had piece of cotton gauze in a Ziploc that was elevated (2500 cpm on 43-3, ~2000 cpm on 43-37, #193675). Samples in second drawer (including gauze) were removed by Cabrera personnel
- Floor VAT, walls PCB (Painted Cinderblock)



Notes: Floor Survey (43-37/2360, #184938)

α -survey: \leq bkgd.

β_{avg} : 450 cpm
 β_{max} : 550 cpm

γ -survey: \leq bkgd.

(44-3/2221, #163673)

Wall Survey (43-37/2360, #193675)

α -survey: \leq bkgd.

β_{avg} : 450 cpm
 β_{max} : 600 cpm

Tech Signature: _____

Michael Dell

Date: _____

3/12/07

Scan Information Sheet

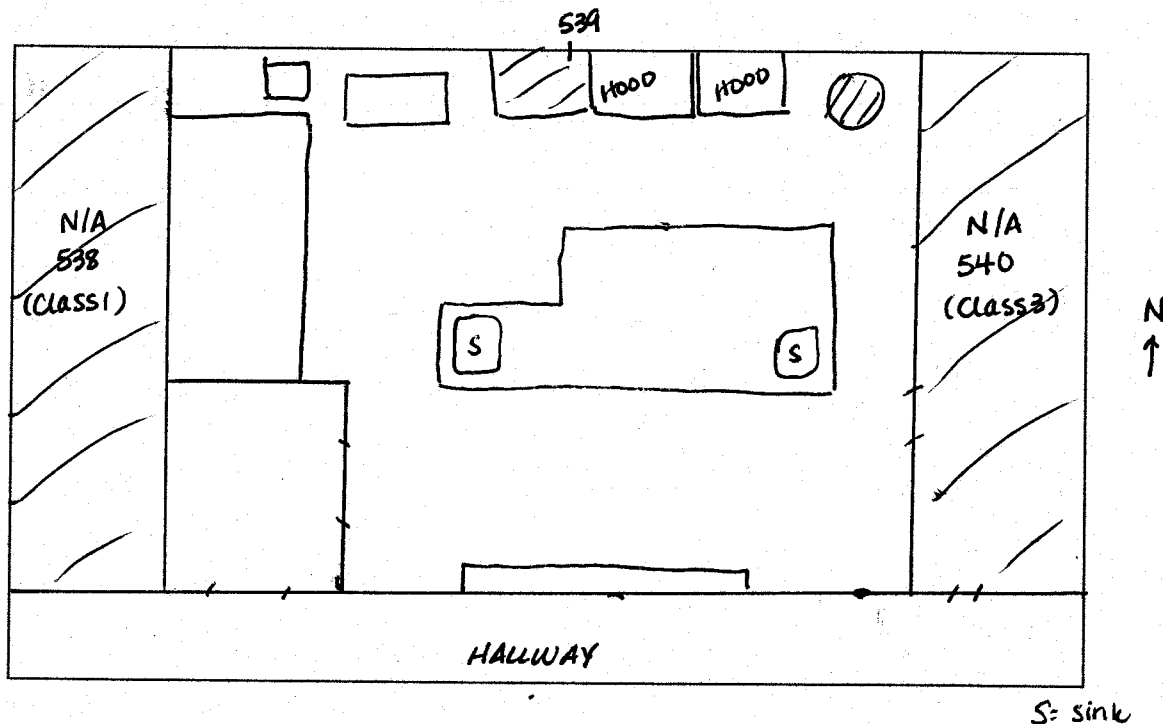
SU/Room: 5-RL/539

Class: 2

Tech Init.: PR,GB,MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Lab area (active)
- Floor VAT, walls PCB (Painted Cinderblock)



Notes: Floor Survey (43-37/2360, #184938)

γ-survey: ≤ bkqd.

α-survey: ≤ bkqd.

βavg: 400 cpm
βmax: 550 cpm

(44-3/2221, #163673)

Wall Survey (43-37/2360, #193675)

α-survey: ≤ bkqd.

βavg: 400 cpm
βmax: 500 cpm

Tech Signature: Michael Doo

Date: 3/12/07

Scan Information Sheet

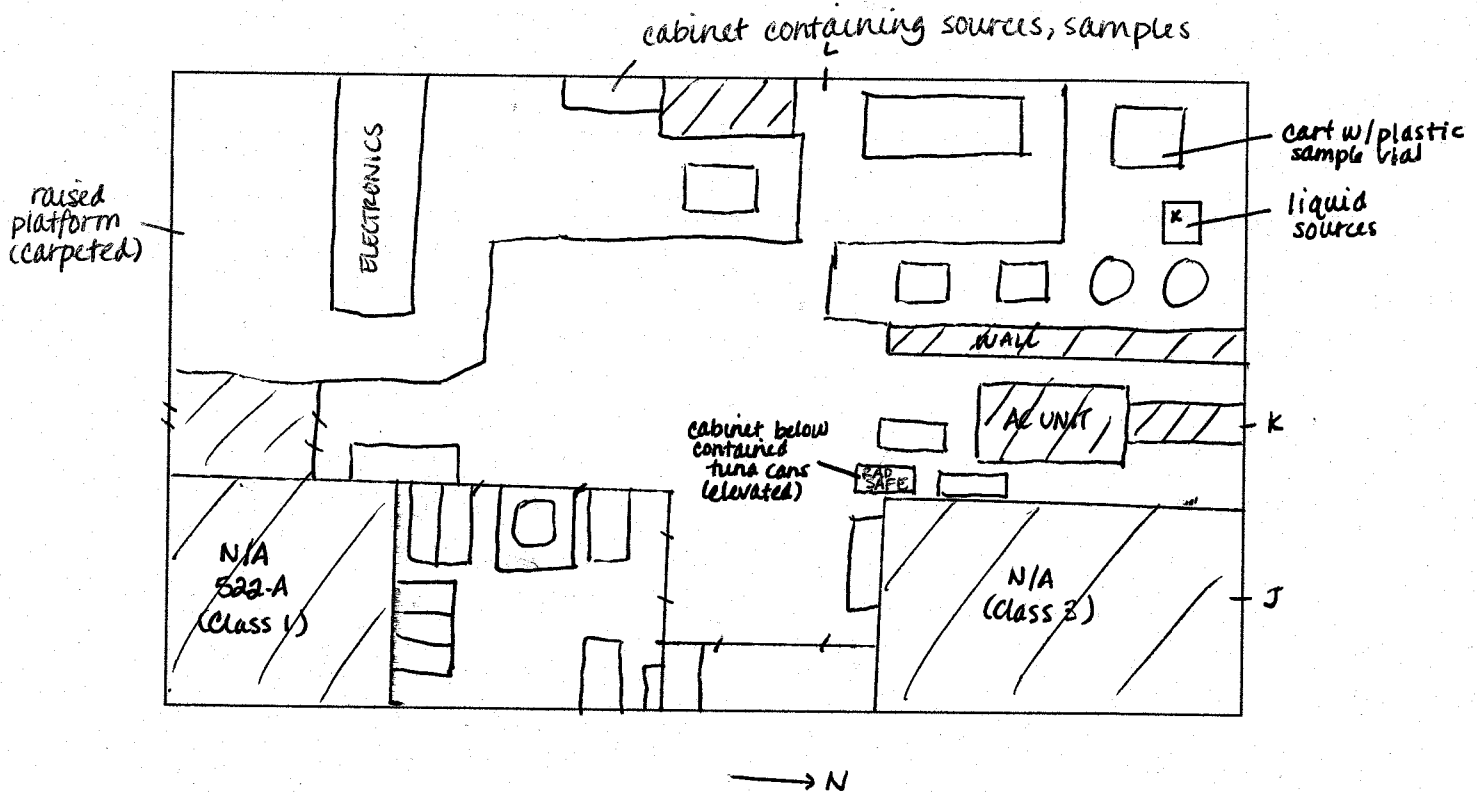
SU/Room: 5-SMG/551-K,L,M

Class: 2

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Gamma Spec Lab
- Floor VAT, carpet; Wall's PCB (Painted Cinderblock)



Notes: Floor Survey (43-37/2360, #184938) γ-survey: ≤ bkgd.
α-survey: ≤ bkgd. Bavg: 550 cpm (#3-3/2221, #163673)
βmax: 450 cpm 44-3 ₅ minor

Wall Survey (43-37/2360, #193675)
α-survey: ≤ bkgd. Bavg: 450 cpm
βmax: 600 cpm

Tech Signature: Kristin DeG

Date: 3/12/07

Scan Information Sheet

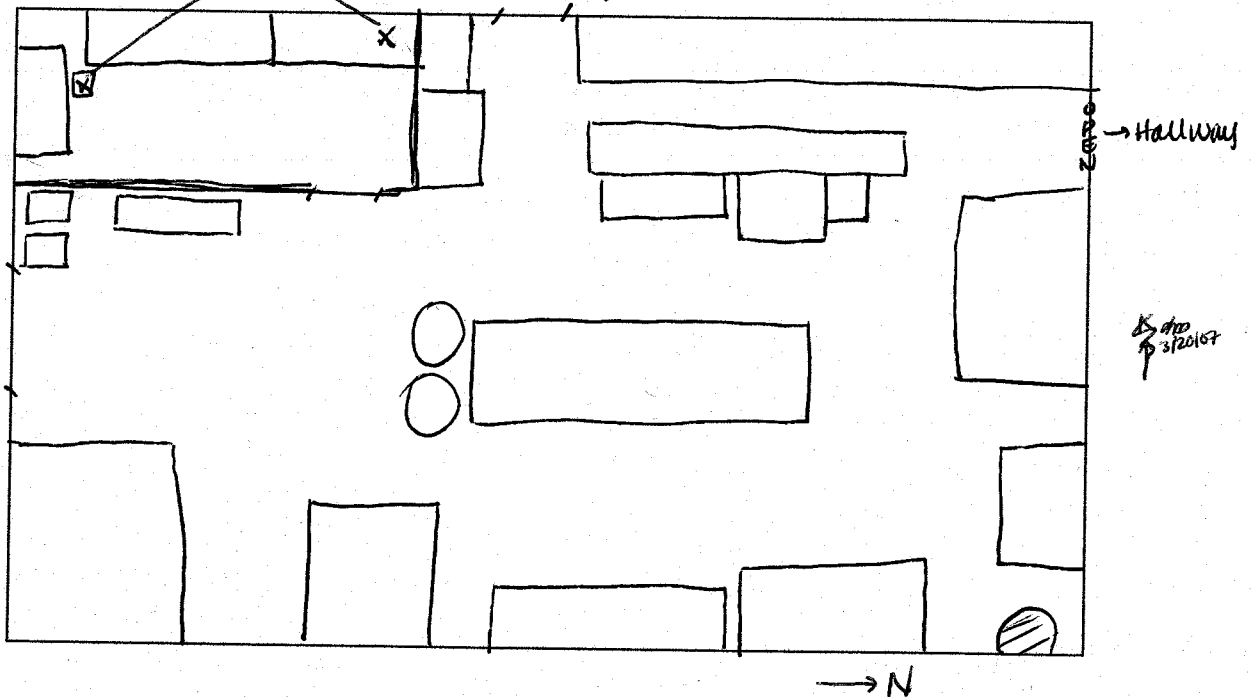
SU/Room: 5-SMG/ 554-X

Class: 2

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Numerous radiochemicals and a lantern mantle were found (marked w/rad tape) in the NW corner of the small room in the SW corner. Elevated readings were ~5x background for 43-37 (#193675) and 30,000 cpm+ from #3-3 on mantle.
- A Tc-99 source was also found in a box in the SW corner marked "Radnet."
- Floor VAT, walls PCB (small room-metal) sources (removed 3/16/07)
- Sources were removed by Cabrera personnel



Notes: Floor Survey (43-37/2360, #184938) γ-survey: ≤ bkqd.
α-survey: ≤ bkqd. βavg: 450 cpm (44-3/2221, #163673)
βmax: 600 cpm
Wall Survey (43-37/2360, #193675)
α-survey ≤ bkqd. βavg: 400 cpm
βmax: 500 cpm

Tech Signature: Michael Dill

Date: 3/12/07

Scan Information Sheet

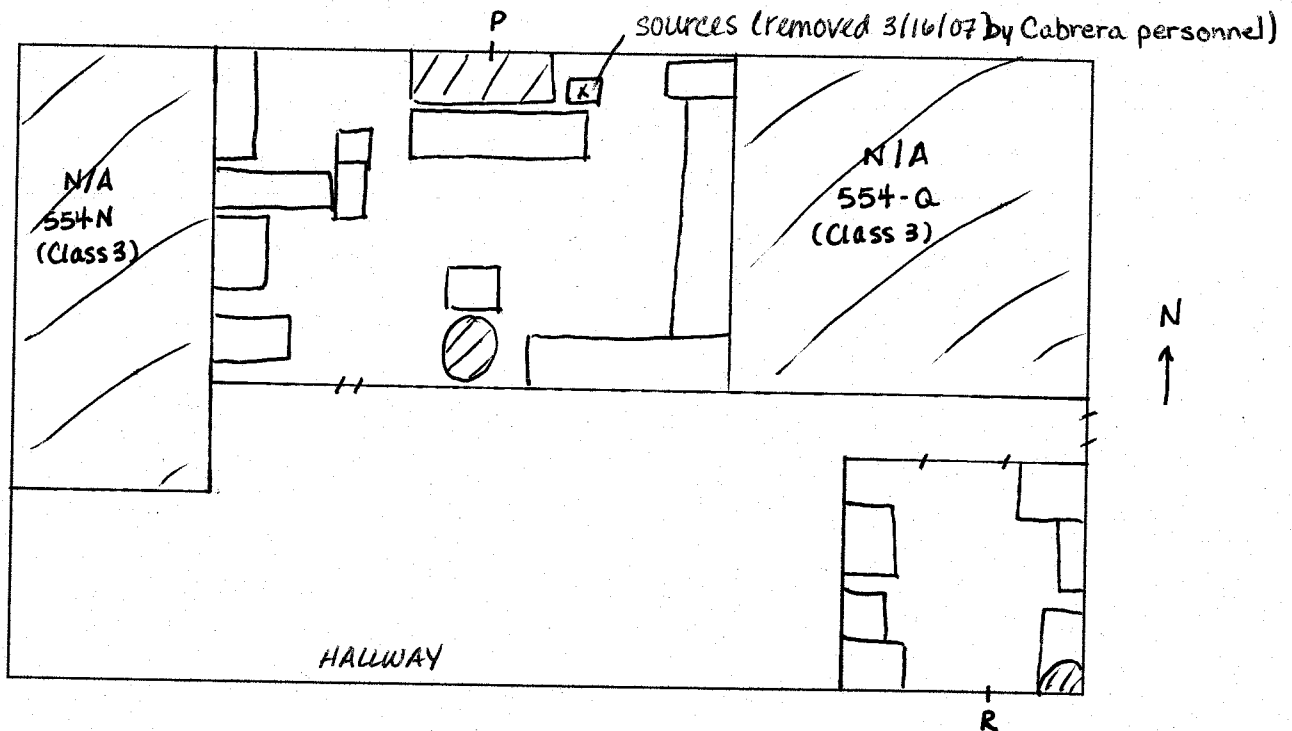
SU/Room: S-SM6/554-P, R

Class: 2

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Cesium and americium sources were found in the NE corner of 554-P (800-1000 cpm on 43-37, #143675) and sources (900 cpm on 44-3)
- were ~25 pCi (Cs-137) and 10.8 nCi (Am-241) - 4 sources, surrounded by lead brick.
- Floors VAT, walls PCB (Painted Cinder Block)



Notes: Floor Survey (43-37/2360, #184938) R-survey: ≤ bkgd
α-survey: ≤ bkgd. $\left. \begin{array}{l} \beta_{avg}: 550 \\ \beta_{max}: 600 \end{array} \right\} P \quad \left. \begin{array}{l} 500 \\ 600 \end{array} \right\} R$ (44-3/2221, #163673)
Wall Survey (43-37/2360, #143675)
α-survey: ≤ bkgd. $\left. \begin{array}{l} \beta_{avg}: 400 \text{ cpm} \\ \beta_{max}: 550 \text{ cpm} \end{array} \right\} P \quad \left. \begin{array}{l} 500 \text{ cpm} \\ 550 \text{ cpm} \end{array} \right\} R$

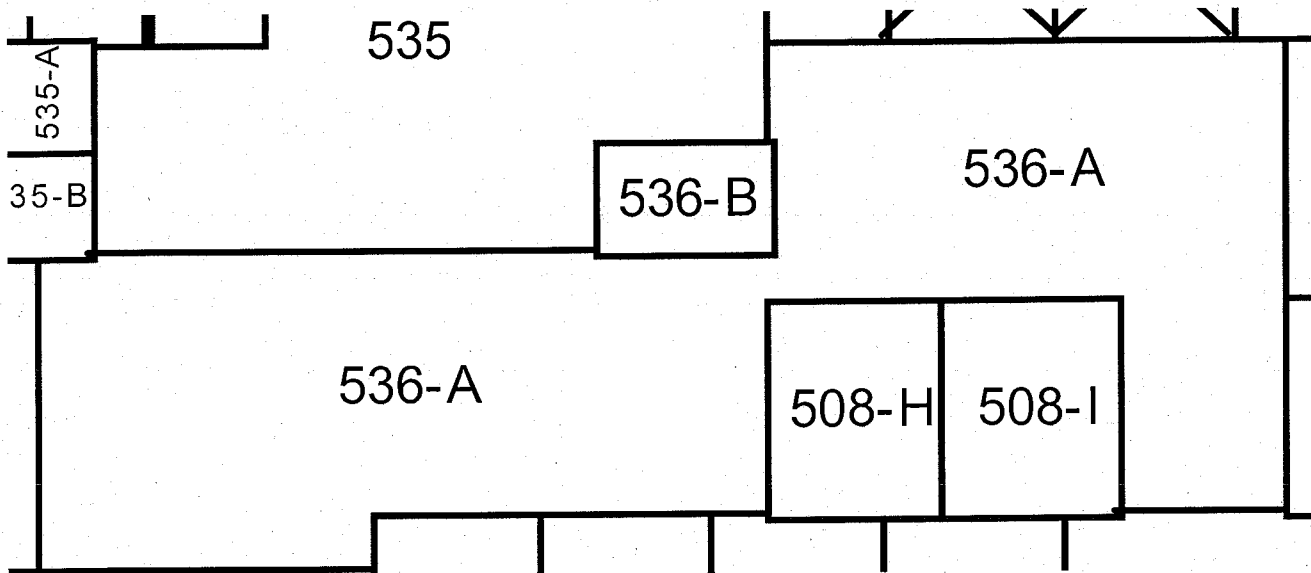
Tech Signature: Michael Dill

Date: 3/13/07

Scan Information Sheet

SU/Room: 536-A
 Class: 3
 Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$: Vinyl-Asbestos Tile: 300
γ -survey: <u>6</u>	$\beta_{maximum}$: Vinyl-Asbestos Tile: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$: Painted Concrete: 500	Painted Cinder Block: 600
γ -survey: <u>6</u>	$\beta_{maximum}$: Painted Concrete: 900	Painted Cinder Block: 1,000
	$\beta_{average}$: Painted Metal: 400	Painted Sq. Cinder Block: 1,000
	$\beta_{maximum}$: Painted Metal: 600	Painted Sq. Cinder Block: 1,800

Tech Signature: 

Date: 10/16/07

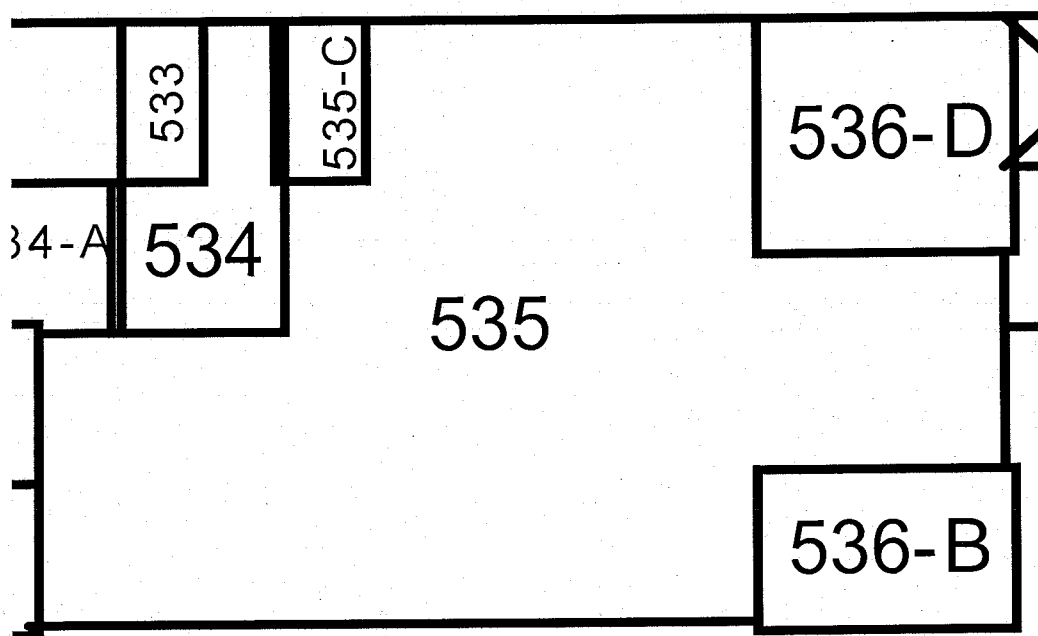
Scan Information Sheet

SU/Room: 533, 534, 535, 535-C,
536-B, 536-D

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background $\beta_{average}$: Vinyl-Asbestos Tile: 400

γ -survey: 7 $\beta_{maximum}$: Vinyl-Asbestos Tile: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background $\beta_{average}$: Painted Concrete: 500 Painted Cinder Block: 600

γ -survey: 7 $\beta_{maximum}$: Painted Concrete: 900 Painted Cinder Block: 1,200

$\beta_{average}$: Painted Drywall: 300 Painted Sq. Cinder Block: 1,000

$\beta_{maximum}$: Painted Drywall: 600 Painted Sq. Cinder Block: 1,600

$\beta_{average}$: Wood Paneling: 350

$\beta_{maximum}$: Wood Paneling: 500

Tech Signature: 

Date: 10/16/06, 10/18/07, 10/23/07

Nicholas M. Ben

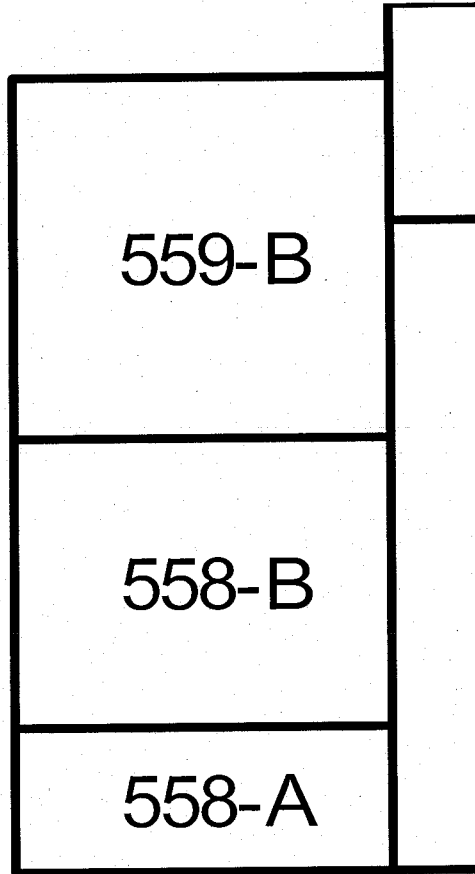
Scan Information Sheet

SU/Room: 558-A, 558-B, 559-B

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background β_{average} : Vinyl-Asbestos Tile: 400

γ -survey: 4 β_{maximum} : Vinyl-Asbestos Tile: 700

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background β_{average} : Painted Metal: 300 Painted Concrete: 500

γ -survey: 4 β_{maximum} : Painted Metal: 700 Painted Concrete: 900

β_{average} : Painted Cinder Block: 600

β_{maximum} : Painted Cinder Block: 900

Tech Signature: 

Date: 10/17/07

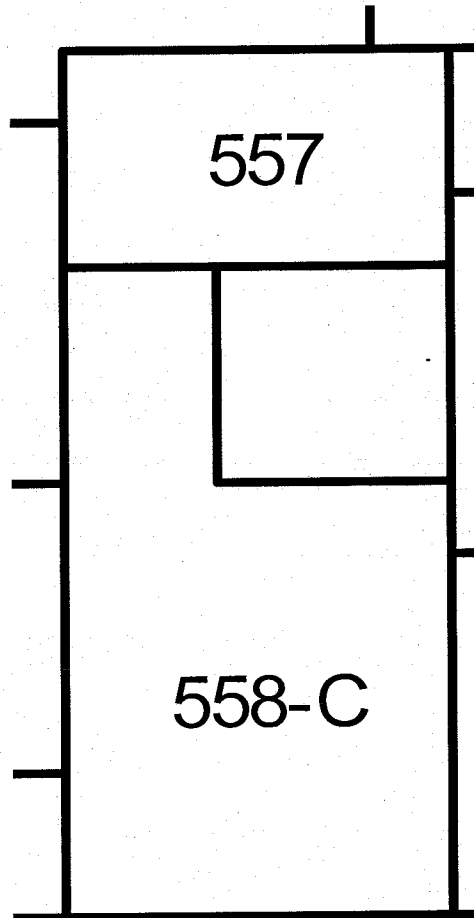
Scan Information Sheet

SU/Room: 557, 558-C

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	β_{average} : Vinyl-Asbestos Tile: 400 Painted Concrete: 450
γ -survey: 5	β_{maximum} : Vinyl-Asbestos Tile: 500 Painted Concrete: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	β_{average} : Painted Metal: 300 Painted Concrete: 500
γ -survey: 5	β_{maximum} : Painted Metal: 700 Painted Concrete: 900

β_{average} : Painted Cinder Block: 600
β_{maximum} : Painted Cinder Block: 1,100

Tech Signature: _____

[Handwritten Signature]
Nicholas J. Miller

Date: 10/17/07, 10/18/07

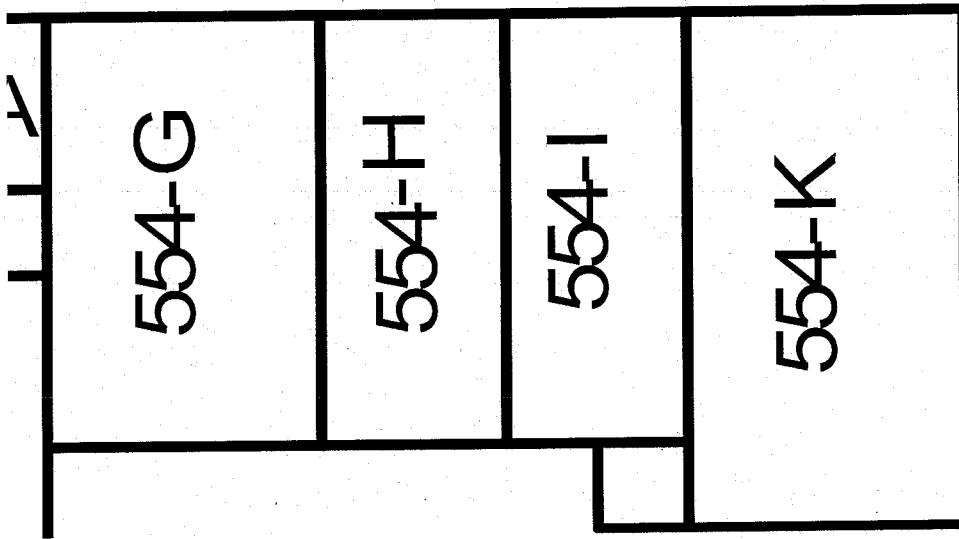
Scan Information Sheet

SU/Room: 554-G, 554-H, 554-I,
554-K

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$: Carpeted Flooring: 400 Vinyl-Asbestos Tile: 500
γ -survey: 7	$\beta_{maximum}$: Carpeted Flooring: 600 Vinyl-Asbestos Tile: 800

Wall Survey (2360 S/N 184938 with 43-37 S/N PR 178371 and 2360 S/N 193675 with 43-37 S/N PR 2)

α -survey: \leq background	$\beta_{average}$: Painted Concrete: 500 Painted Cinder Block: 650
γ -survey: 7	$\beta_{maximum}$: Painted Concrete: 900 Painted Cinder Block: 1,000
	$\beta_{average}$: Painted Drywall: 400
	$\beta_{maximum}$: Painted Drywall: 800

Tech Signature:

Nicholas M. Berber
Nicholas M. Berber

Date: 10/18/07

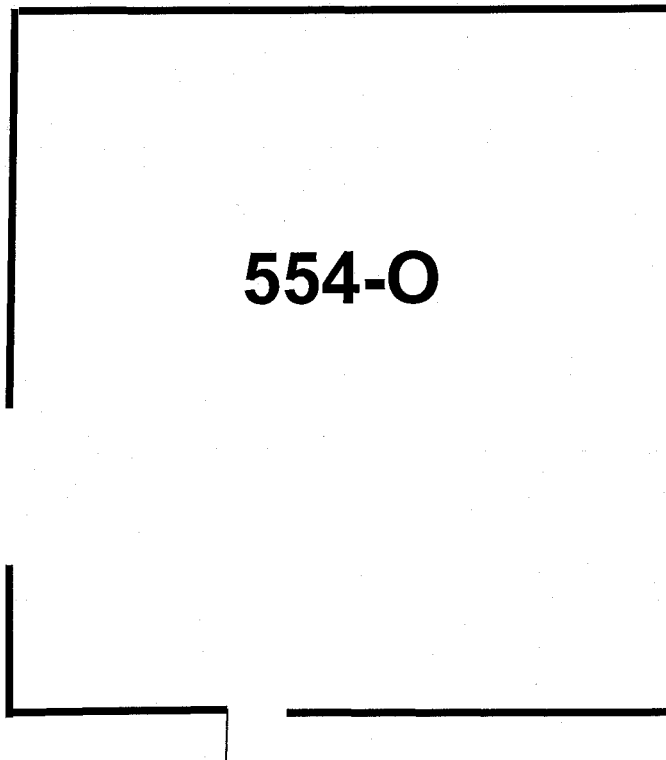
Scan Information Sheet

SU/Room: 554-O

Class: 3

Tech Init.: GSH

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background $\beta_{average}$: Carpet Flooring: 400

γ -survey: 6 $\beta_{maximum}$: Carpet Flooring: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background $\beta_{average}$: Painted Drywall: 400 Painted Concrete: 500

γ -survey: 6 $\beta_{maximum}$: Painted Drywall: 600 Painted Concrete: 600

$\beta_{average}$: Painted Brick: 600

$\beta_{maximum}$: Painted Brick: 800

Tech Signature: *GSH*

Date: 10/24/07

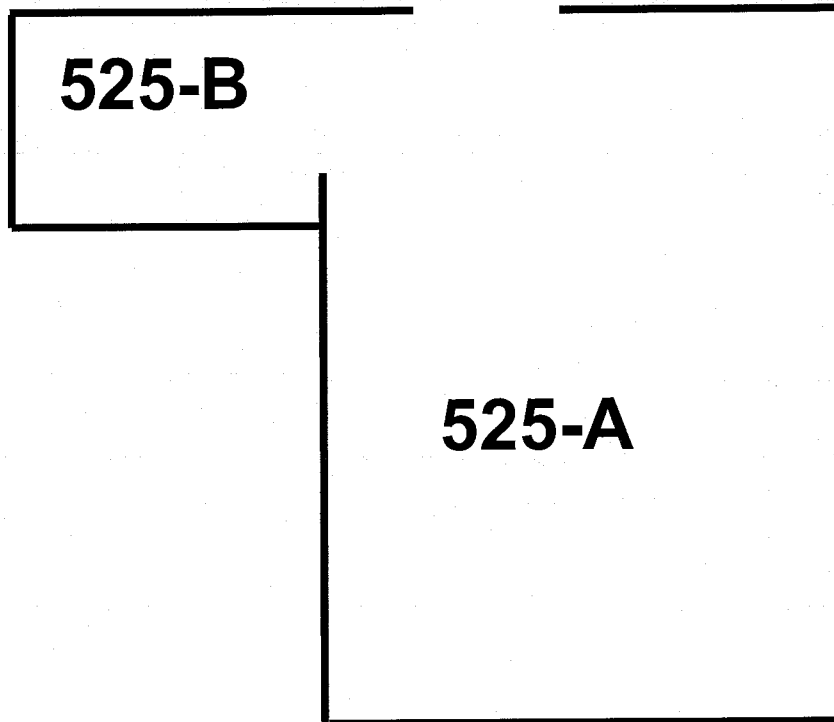
Scan Information Sheet

SU/Room: 525A & 525-B

Class: 1

Tech Init.: GSH

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	β_{average} : Tile Flooring: 400
γ -survey: 6	β_{maximum} : Tile Flooring: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	β_{average} : Painted Drywall: 400	Painted Concrete: 500
γ -survey: 6	β_{maximum} : Painted Drywall: 600	Painted Concrete: 600
	β_{average} : Painted Brick: 600	
	β_{maximum} : Painted Brick: 800	

Tech Signature: *GSH*

Date: 10/25/07

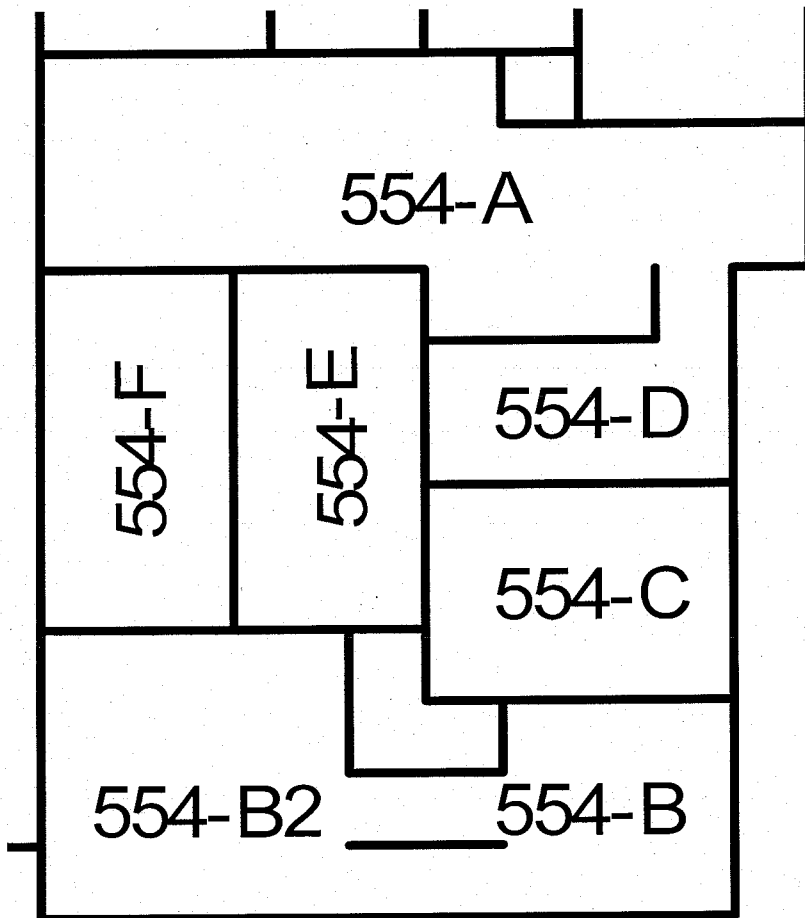
Scan Information Sheet

SU/Room: 554-A, 554-B, 554-C,
554-D, 554-E, 554-F

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background

$\beta_{average}$: Vinyl-Asbestos Tile: 500

γ -survey: 7

$\beta_{maximum}$: Vinyl-Asbestos Tile: 700

Wall Survey (2360 S/N 184938 with 43-37 S/N PR 178371 and 2360 S/N 193675 with 43-37 S/N PR 2)

α -survey: \leq background

$\beta_{average}$: Painted Concrete: 400 Painted Cinder Block: 650

γ -survey: 7

$\beta_{maximum}$: Painted Concrete: 800 Painted Cinder Block: 1,100

$\beta_{average}$: Painted Drywall: 400

$\beta_{maximum}$: Painted Drywall: 700

Tech Signature:

Nicholas M. Burian
Nicholas M. Burian

Date: 10/18/07

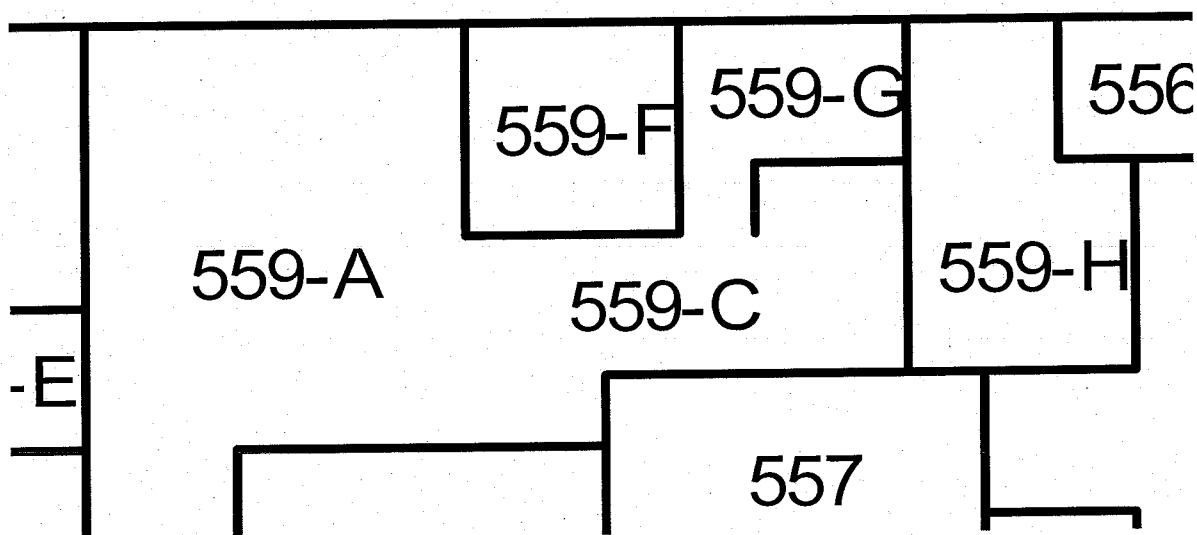
Scan Information Sheet

SU/Room: 559-A, 559-C, 559-F,
559-G, 559-H

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background

β_{average} : Vinyl-Asbestos Tile: 400

γ -survey: 5

β_{maximum} : Vinyl-Asbestos Tile: 500

Wall Survey (2360 S/N 184938 with 43-37 S/N PR 178371 and 2360 S/N 193675 with 43-37 S/N PR 2)

α -survey: \leq background

β_{average} : Painted Drywall: 450 Painted Metal: 400

γ -survey: 5

β_{maximum} : Painted Drywall: 700 Painted Metal: 600

β_{average} : Painted Concrete: 400 Painted Cinder Block: 600

β_{maximum} : Painted Concrete: 1,000 Painted Cinder Block: 800

Tech Signature: 

Date: 10/22/07

Scan Information Sheet

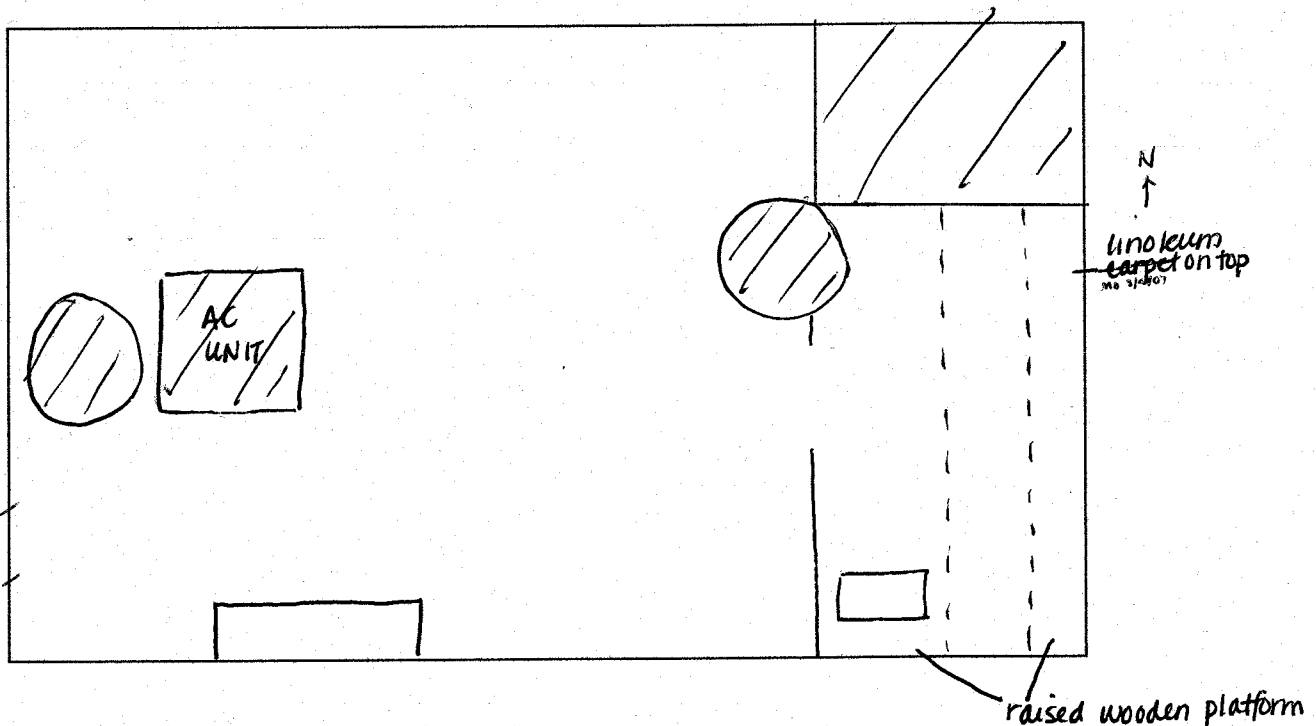
SU/Room: 5-W/503

Class: 2

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

Walls- metal except for S wall, which is
cinder block
Floors- VAT



Notes: Floor Survey (43-37/2360, #184938)

α -survey: \leq bkgd.

β_{avg} : 400 cpm
 β_{max} : 500 cpm

⁴⁴⁻³
 γ -survey (43-3/2221, #163673)
 \leq bkgd.

Wall Survey (43-68/2224, #161781)

α -survey: \leq bkgd.

β_{avg} : 210 cpm
 β_{max} : 250 cpm

Tech Signature: Michael Dill

Date: 3/9/07

Scan Information Sheet

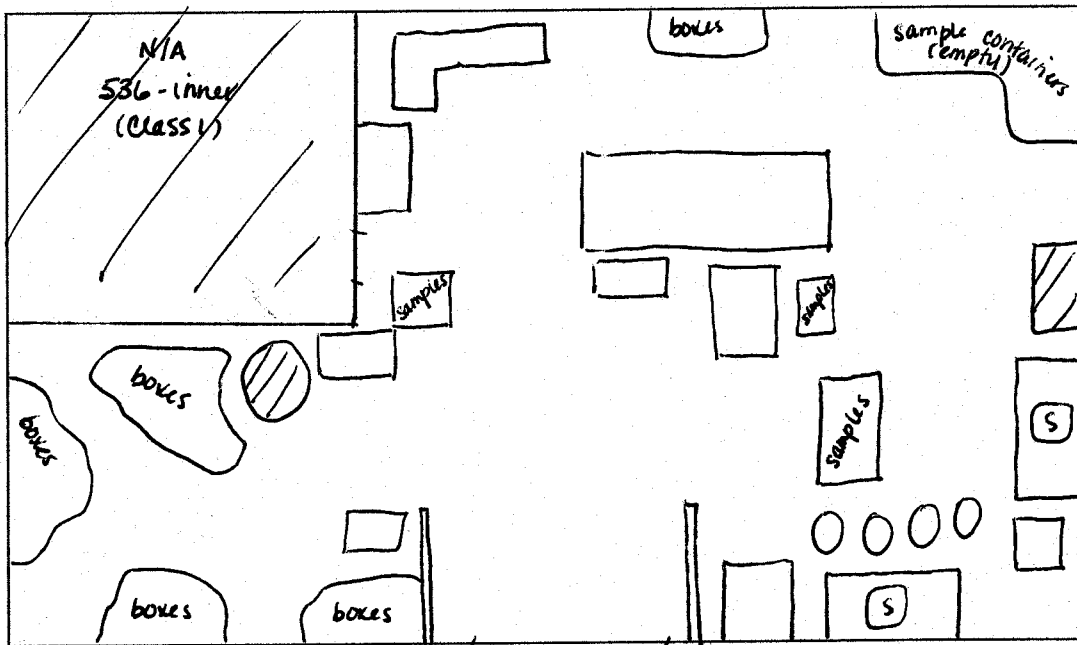
SU/Room: S-W/536

Class: 2

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

-Floor VAT, walls PCB except dividers for inner room, which are metal.



→N

Notes: Floor Survey (43-37/2360, #184938) γ-survey: ≤ bkqd.
α-survey: ≤ bkqd. βavg: 450 cpm (43-3/2221, #163673)
βmax: 600 cpm 44-3 or 3/12/07
Wall Survey (43-37/2360, #193675)
α-survey: ≤ bkqd. βavg: 400cpm
βmax: 600 cpm

Tech Signature: Michael Dille

Date: 3/12/07

Scan Information Sheet

SU/Room: S-W / 550-A-C

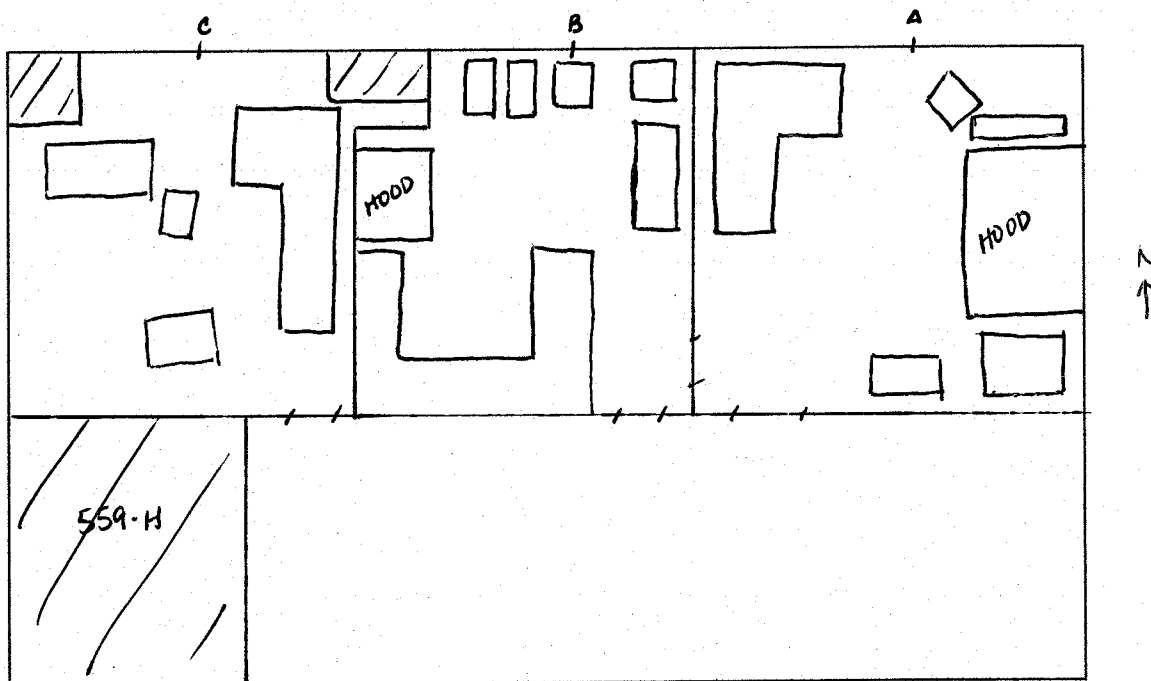
Class: 2

Tech Init.: PR, GB, MD

Note:

1. On map: draw dimensions and characters
2. Record scan data for different surfaces
3. Mark all areas > Action Level (include sample ID)
4. Record avg and max observed cpm

- Private offices
- Floor VAT, walls PCB (Painted Cinderblock)



Notes: Floor Survey (43-37/2360, #184938)

γ-survey: ≤ bkgd.

α-survey: ≤ bkgd.

βavg: 400 cpm
βmax: 500 cpm

(43-3/2221, #163673)
44-3 5/10/07

Wall Survey (43-68/1, #161781)

α-survey: ≤ bkgd.

βavg: 150 cpm
βmax: 200 cpm

Tech Signature: Michael Dill

Date: 3/9/07

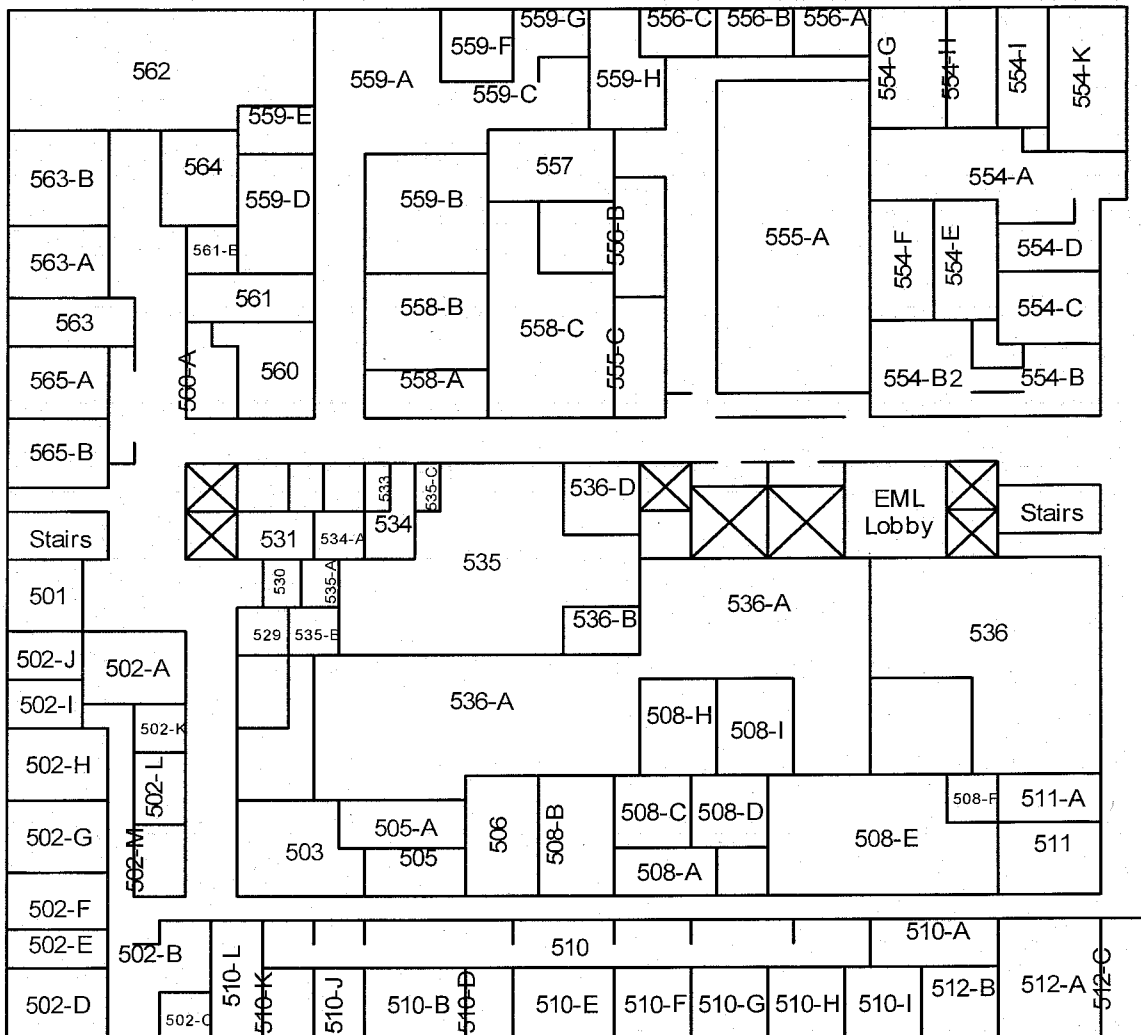
Scan Information Sheet

SU/Room: 5th Floor Western Hallways

Class: 3

Tech Init.: _____

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background

β_{average} : Vinyl-Asbestos Tile: 300

γ -survey:

β_{maximum} : Vinyl-Asbestos Tile: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background

β_{average} : Painted Metal: 300

Painted Cinder Block: 400

γ -survey:

β_{maximum} : Painted Metal: 600

Painted Cinder Block: 800

β_{average} : Painted Brick: 600

Painted Sq. Cinder Block: 800

β_{maximum} : Painted Brick: 1,200

Painted Sq. Cinder Block: 1,200

Tech Signature: _____

Date: 10/15/07

Scan Information Sheet

SU/Room: 5-R3 / HALLWAY

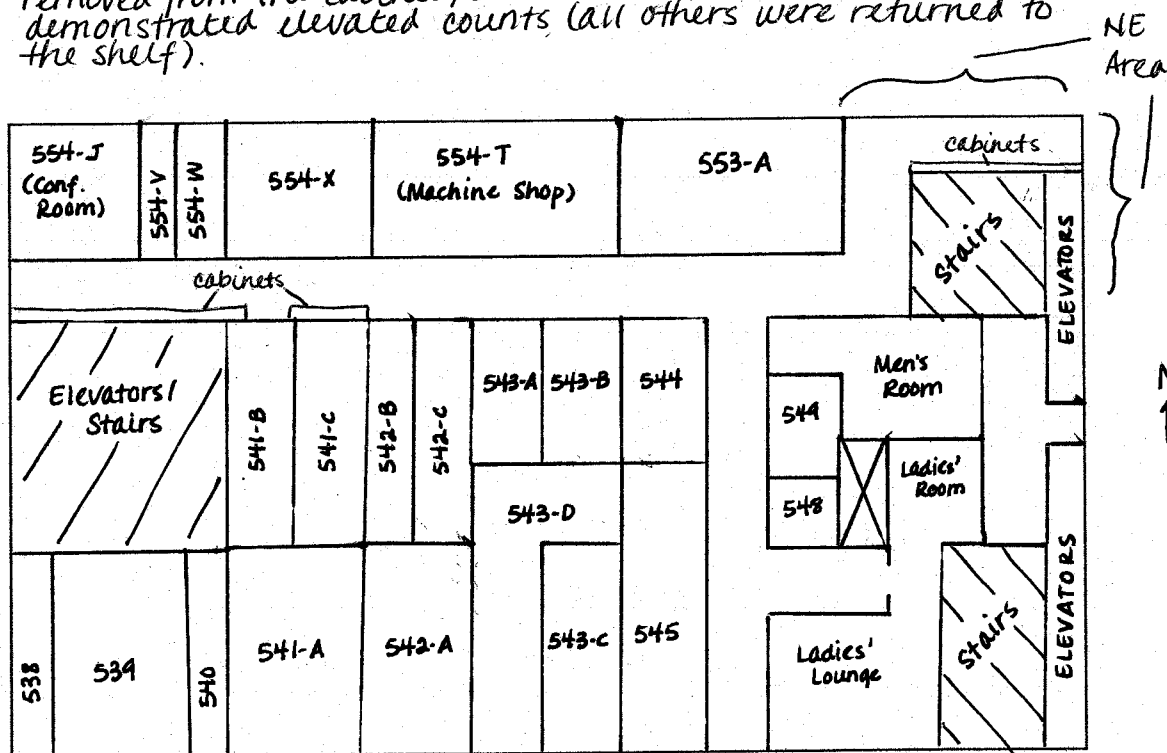
Class: 3

Tech Init.: PR, MD

Note:

1. On map: draw dimensions and characters
2. Record scan data for different surfaces
3. Mark all areas > Action Level (include sample ID)
4. Record avg and max observed cpm

- Floors VCT, walls PCB.
- The walls in the NE area had some portions made of solid PCB, which has a slightly higher background than regular PCB.
- The cabinets located adjacent to the conference room/541-B area contained samples demonstrating elevated readings (800-1100 cpm β). Samples were removed from the cabinet, checked with the 43-37, and removed if they demonstrated elevated counts (all others were returned to the shelf).



Notes: Floor Survey (43-37/2360, #184938)

α -survey: \leq bkgd. β avg: 450 cpm
 β max: 500 cpm

γ -survey:

(44-3/2221, #163673)

Wall Survey (43-37/2360, #193675)

α -survey: \leq bkgd. β avg: 450 cpm } North and East corridors
 β max: 600 cpm } 550 cpm } NE Area
750 cpm }

Tech Signature: Michael Dill

Date: 3/22/07

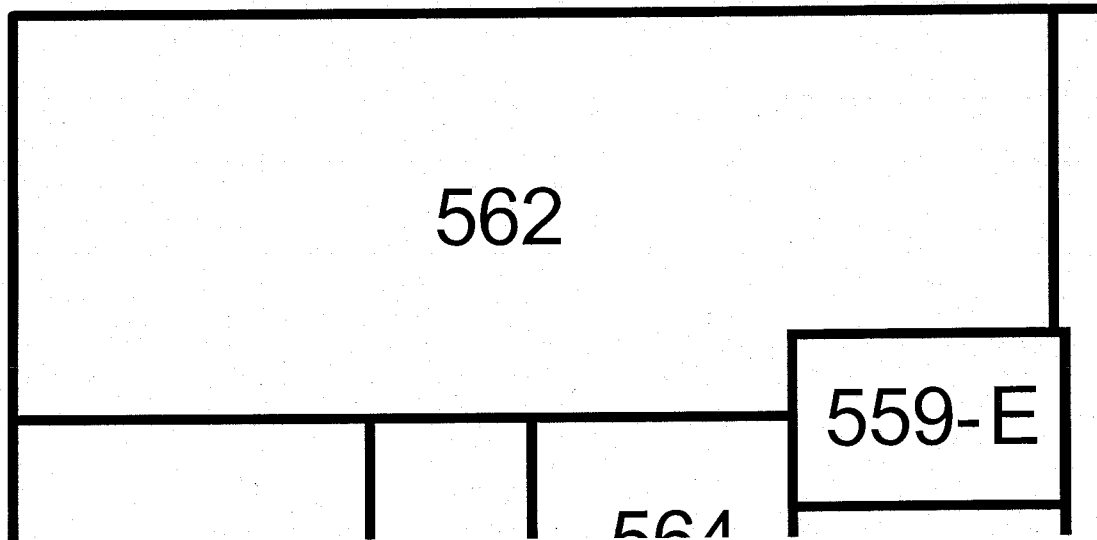
Scan Information Sheet

SU/Room: 562, 559-E

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$:	Vinyl-Asbestos Tile: 400	Carpeted Flooring: 300
γ -survey: <u>6</u>	$\beta_{maximum}$:	Vinyl-Asbestos Tile: 500	Carpeted Flooring: 500

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$:	Painted Metal: 350	Painted Concrete: 500
γ -survey: <u>6</u>	$\beta_{maximum}$:	Painted Metal: 500	Painted Concrete: 600
	$\beta_{average}$:	Wall Paper: 400	Wood Paneling: 350
	$\beta_{maximum}$:	Wall Paper: 600	Wood Paneling: 400

Tech Signature: *Nicholas M. Bedeian*

Date: 10/17/07

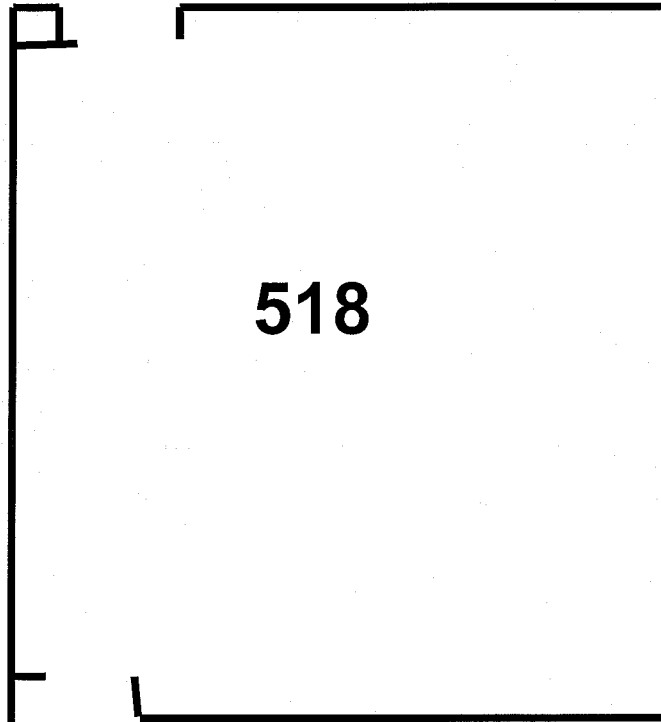
Scan Information Sheet

SU/Room: 518

Class: 81

Tech Init.: GSH

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$:	Tile Flooring: 350
γ -survey: 6	$\beta_{maximum}$:	Tile Flooring: 500

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$:	Painted Drywall: 400	Painted Concrete: 450
γ -survey: 6	$\beta_{maximum}$:	Painted Drywall: 600	Painted Concrete: 600
	$\beta_{average}$:	Painted Brick: 600	
	$\beta_{maximum}$:	Painted Brick: 900	

Tech Signature: *[Signature]*

Date: 10/25/07

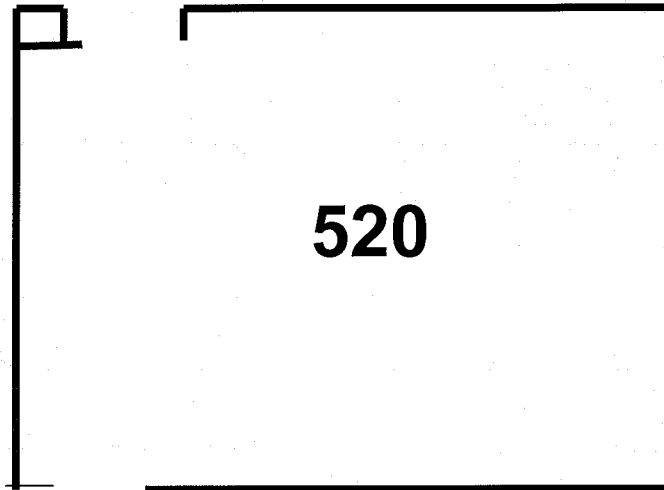
Scan Information Sheet

SU/Room: 518 520

Class: 81

Tech Init.: GSH

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey:	\leq background	β_{average} :	Tile Flooring: 400
γ -survey:	8	β_{maximum} :	Tile Flooring: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey:	\leq background	β_{average} :	Painted Drywall: 400	Painted Concrete: 450
γ -survey:	8	β_{maximum} :	Painted Drywall: 600	Painted Concrete: 600
		β_{average} :	Painted Brick: 600	
		β_{maximum} :	Painted Brick: 900	

Tech Signature: 

Date: 10/26/07

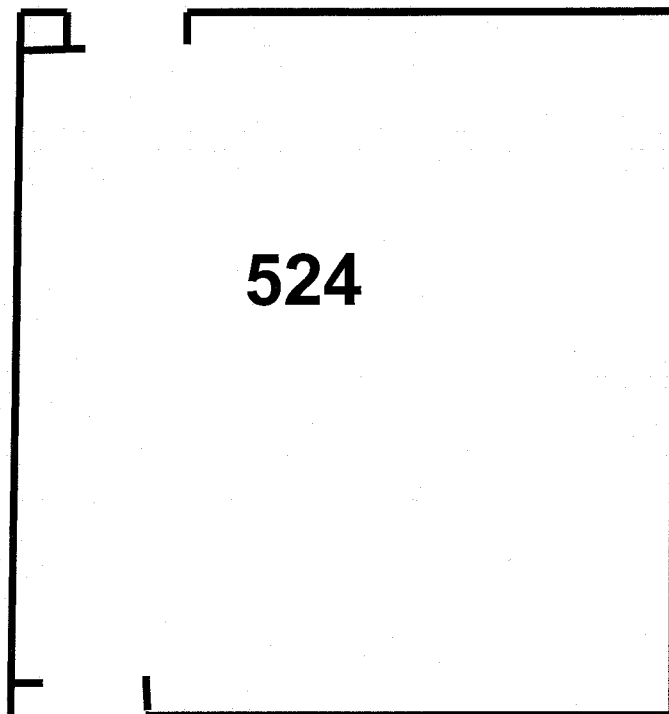
Scan Information Sheet

SU/Room: 524

Class: SI

Tech Init.: GSH

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$:	Tile Flooring: 400
γ -survey: 6	$\beta_{maximum}$:	Tile Flooring: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$:	Painted Drywall: 400	Painted Concrete: 500
γ -survey: 6	$\beta_{maximum}$:	Painted Drywall: 600	Painted Concrete: 600
	$\beta_{average}$:	Painted Brick: 600	
	$\beta_{maximum}$:	Painted Brick: 800	

Tech Signature: GSH

Date: 10/26/07

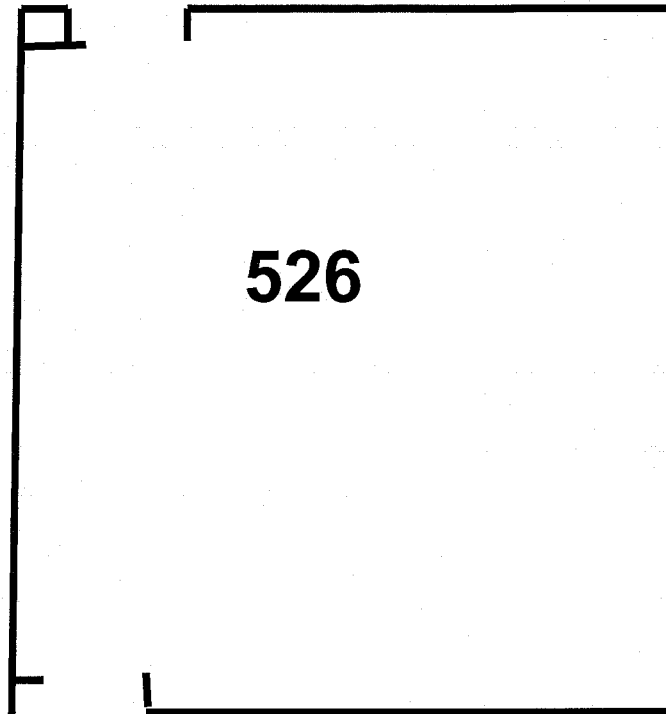
Scan Information Sheet

SU/Room: 526

Class: 81

Tech Init.: GSH

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

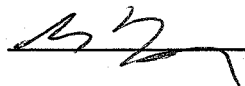


Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	β_{average} : Tile Flooring: 400
γ -survey: 6	β_{maximum} : Tile Flooring: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	β_{average} : Painted Drywall: 400	Painted Concrete: 500
γ -survey: 6	β_{maximum} : Painted Drywall: 600	Painted Concrete: 600
	β_{average} : Painted Brick: 600	
	β_{maximum} : Painted Brick: 800	

Tech Signature: 

Date: 10/26/07

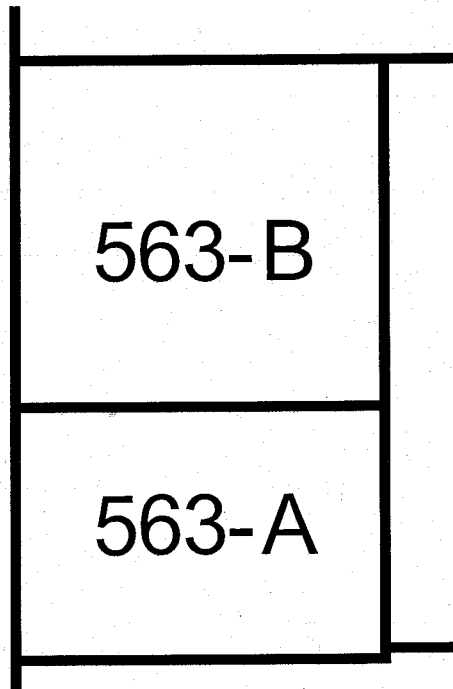
Scan Information Sheet

SU/Room: 563-A, 563-B

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	β_{average} : Carpeted Flooring: 400
γ -survey: 6	β_{maximum} : Carpeted Flooring: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	β_{average} : Wall Paper: 400	Wood Paneling: 400
γ -survey: 6	β_{maximum} : Wall Paper: 500	Wood Paneling: 500

Tech Signature: 

Date: 10/17/07

Nicholas McBelin

Scan Information Sheet

SU/Room: 563

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

563

Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background β_{average} : Carpeted Flooring: 400

γ -survey: 5 β_{maximum} : Carpeted Flooring: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background β_{average} : Wall Paper: 300

γ -survey: 5 β_{maximum} : Wall Paper: 600

Tech Signature: 

Date: 10/18/07

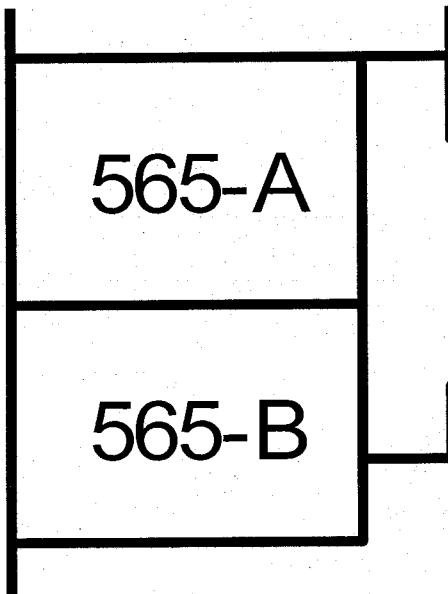
Scan Information Sheet

SU/Room: 565-A, 565-B

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$: Carpeted Flooring: 350
γ -survey: <u>5</u>	$\beta_{maximum}$: Carpeted Flooring: 500

Wall Survey (2360 S/N 184938 with 43-37 S/N PR 178371/2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$: Wall Paper: 400	Wood Paneling: 350
γ -survey: <u>5</u>	$\beta_{maximum}$: Wall Paper: 500	Wood Paneling: 400
	$\beta_{average}$: Painted Concrete: 400	Painted Drywall: 300
	$\beta_{maximum}$: Painted Concrete: 600	Painted Drywall: 500
	$\beta_{average}$: Painted Metal: 300	Painted Brick: 700
	$\beta_{maximum}$: Painted Metal: 600	Painted Brick: 1,000

Tech Signature: _____

Date: 10/18/07

Nicholas M. Berke

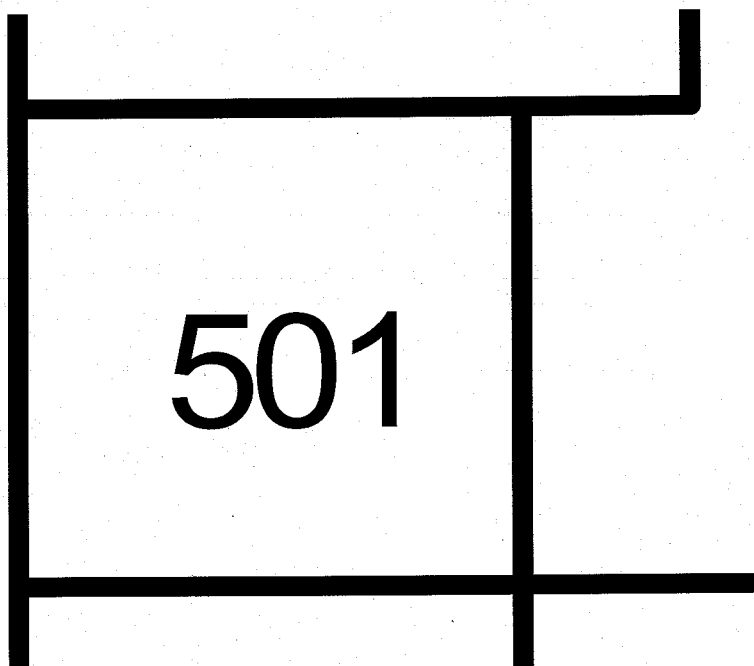
Scan Information Sheet

SU/Room: 501

Class: 3

Tech Init.: NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$: Carpeted Flooring: 350
γ -survey: 6	$\beta_{maximum}$: Carpeted Flooring: 500

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$: Painted Drywall: 400	Painted Concrete: 450
γ -survey: 6	$\beta_{maximum}$: Painted Drywall: 600	Painted Concrete: 600
	$\beta_{average}$: Painted Brick: 600	
	$\beta_{maximum}$: Painted Brick: 900	

Tech Signature: Nicholas M. Blum

Date: 10/25/07

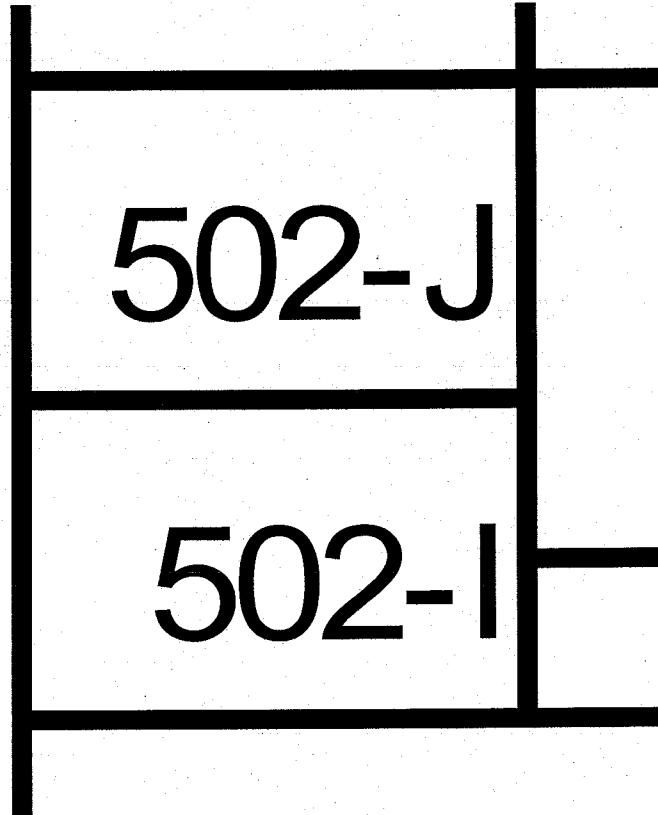
Scan Information Sheet

SU/Room: 502-I, 502-J

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	β_{average} : Vinyl-Asbestos Tile: 400
γ -survey: 4	β_{maximum} : Vinyl-Asbestos Tile: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	β_{average} : Painted Drywall: 400	Painted Metal: 300
γ -survey: 4	β_{maximum} : Painted Drywall: 700	Painted Metal: 600

β_{average} : Painted Concrete: 400
β_{maximum} : Painted Concrete: 800

Tech Signature: 

Date: 10/15/07

Scan Information Sheet

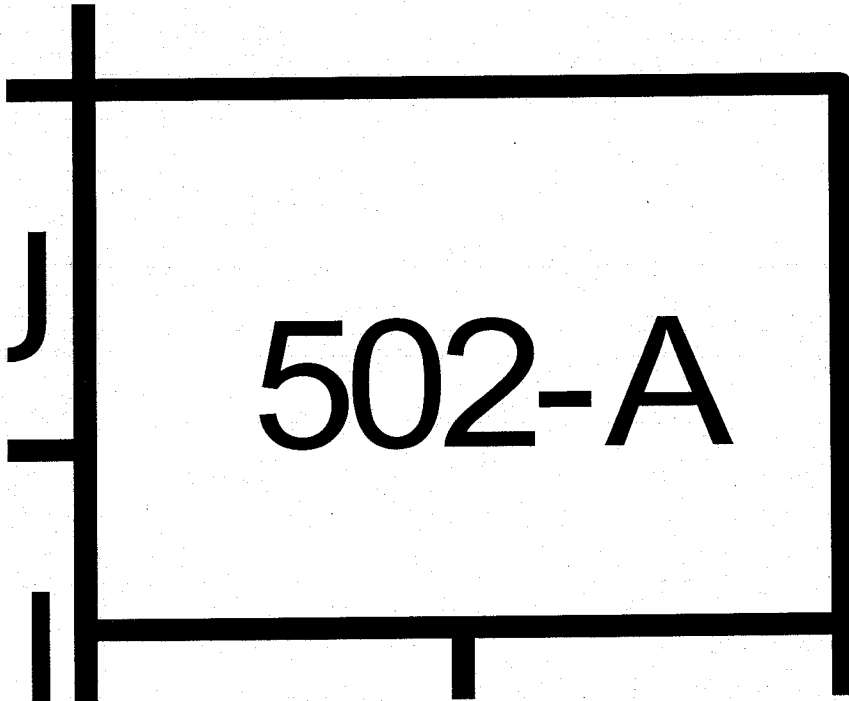
SU/Room: 502-A

Class: 3

Tech Init.: RLS

Note:

1. On map: draw dimensions and characters
2. Record scan data for different surfaces
3. Mark all areas > Action Level (include sample ID)
4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background β_{average} : Vinyl-Asbestos Tile: 300

γ -survey: 5 β_{maximum} : Vinyl-Asbestos Tile: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background β_{average} : Painted Drywall: 400 Painted Metal: 300

γ -survey: 5 β_{maximum} : Painted Drywall: 900 Painted Metal: 800

β_{average} : Painted Concrete: 500

β_{maximum} : Painted Concrete: 1,000

Tech Signature: 

Date: 10/15/07

Scan Information Sheet

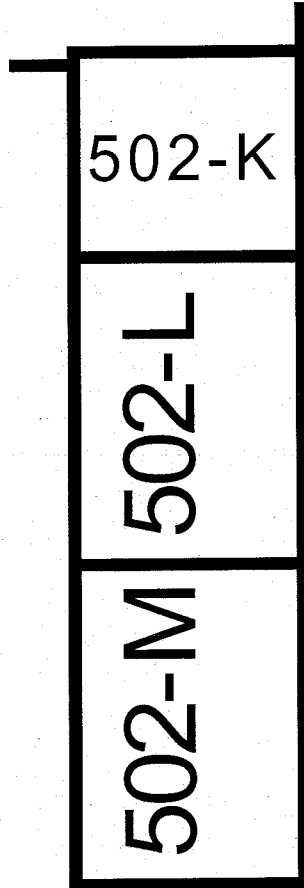
SU/Room: 502-K, 502-L, 502-M

Class: 3

Tech Init.: RLS

Note:

1. On map: draw dimensions and characters
2. Record scan data for different surfaces
3. Mark all areas > Action Level (include sample ID)
4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background

β_{average} : Vinyl-Asbestos Tile: 400

γ -survey: 4

β_{maximum} : Vinyl-Asbestos Tile: 700

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background

β_{average} : Painted Drywall: 400 Painted Metal: 300

γ -survey: 4

β_{maximum} : Painted Drywall: 800 Painted Metal: 600

Tech Signature: 

Date: 10/15/07

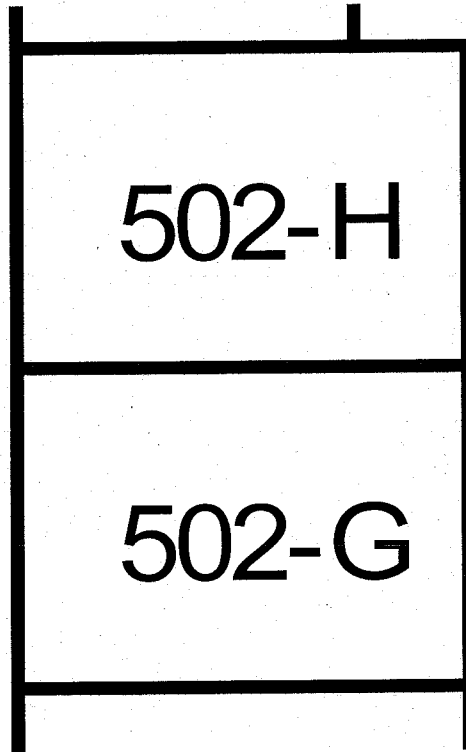
Scan Information Sheet

SU/Room: 502-G, 502-H

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	β_{average} : Carpeted Flooring: 300
γ -survey: <u>5</u>	β_{maximum} : Carpeted Flooring: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	β_{average} : Painted Drywall: 400	Painted Concrete: 500
γ -survey: <u>5</u>	β_{maximum} : Painted Drywall: 700	Painted Concrete: 800
	β_{average} : Painted Metal: 300	
	β_{maximum} : Painted Metal: 700	

Tech Signature: 

Date: 10/15/07

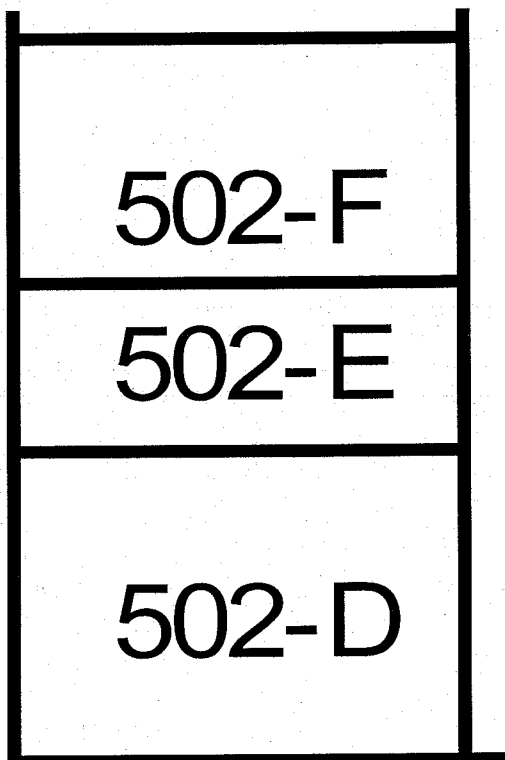
Scan Information Sheet

SU/Room: 502-D, 502-E, 502-F

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	β_{average} : Carpeted Flooring: 300	Vinyl-Asbestos Tile: 400
γ -survey: <u>6</u>	β_{maximum} : Carpeted Flooring: 600	Vinyl-Asbestos Tile: 700

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	β_{average} : Painted Drywall: 400	Painted Concrete: 500
γ -survey: <u>6</u>	β_{maximum} : Painted Drywall: 800	Painted Concrete: 900

β_{average} : Painted Metal: 400
β_{maximum} : Painted Metal: 600

Tech Signature: 

Date: 10/15/07

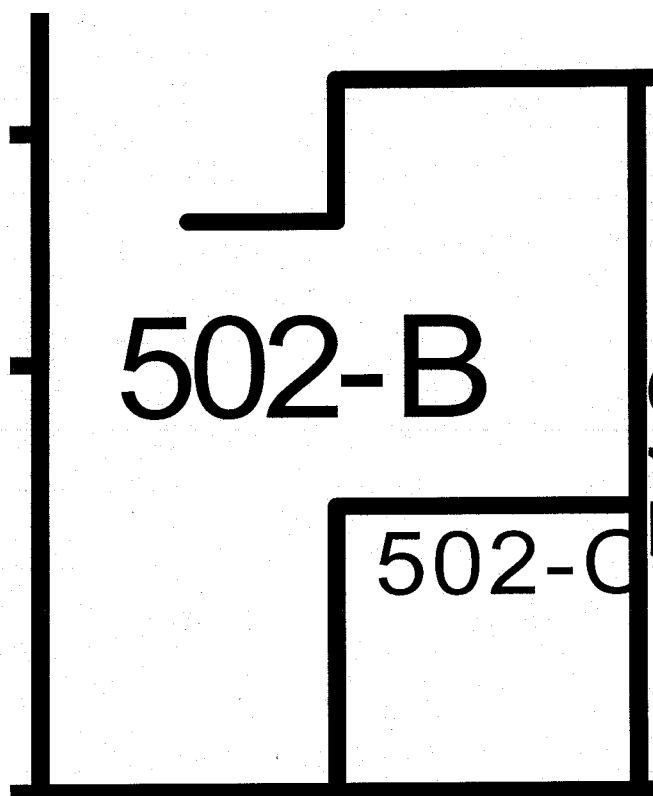
Scan Information Sheet

SU/Room: 502-B, 502-C

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background $\beta_{average}$: Vinyl-Asbestos Tile: 400

γ -survey: **6** $\beta_{maximum}$: Vinyl-Asbestos Tile: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background $\beta_{average}$: Painted Drywall: 400 Painted Metal: 400

γ -survey: **6** $\beta_{maximum}$: Painted Drywall: 800 Painted Metal: 700

$\beta_{average}$: Painted Concrete: 600 Painted Cinder Block: 600

$\beta_{maximum}$: Painted Concrete: 900 Painted Cinder Block: 1,200

Tech Signature: 

Date: 10/15/07

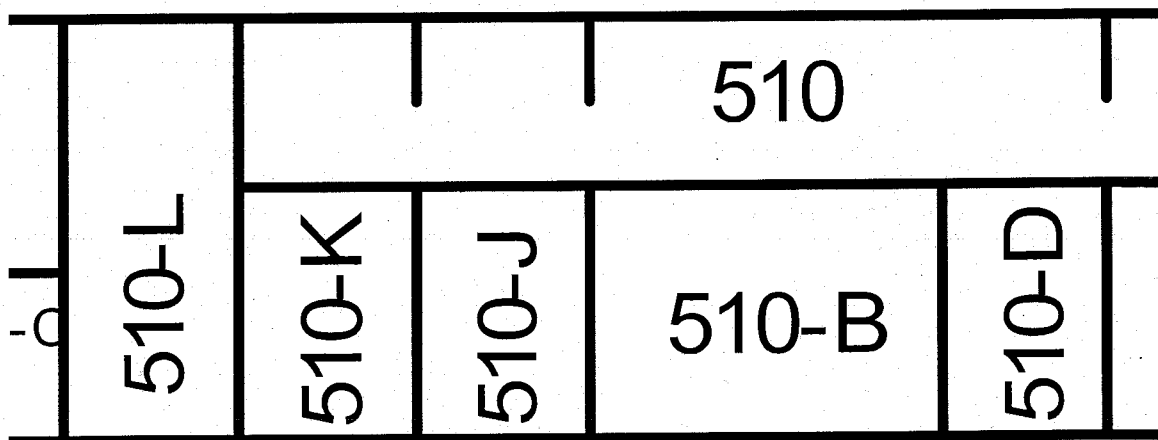
Scan Information Sheet

SU/Room: 510, 510-B, 510-D,
510-J, 510-K, 510-L

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background $\beta_{average}$: Vinyl-Asbestos Tile: 400

γ -survey: 8 $\beta_{maximum}$: Vinyl-Asbestos Tile: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background $\beta_{average}$: Painted Drywall: 500 Painted Metal: 400

γ -survey: 8 $\beta_{maximum}$: Painted Drywall: 800 Painted Metal: 800

$\beta_{average}$: Painted Concrete: 600 Painted Cinder Block: 600

$\beta_{maximum}$: Painted Concrete: 900 Painted Cinder Block: 1,200

$\beta_{average}$: Painted Wood Panelingd Bare Drywall: 400

$\beta_{maximum}$: Painted Wood Panelin Bare Drywall: 700

Tech Signature:

Date: 10/15/07

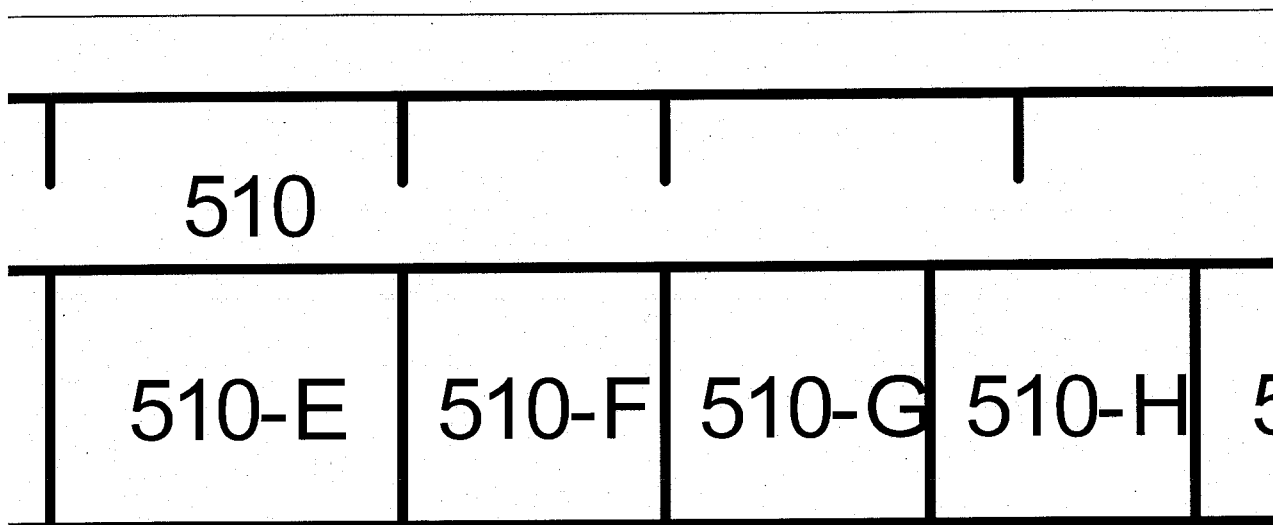
Scan Information Sheet

SU/Room: 510, 510-E, 510-F, 510-G, 510-H

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background

β_{average} : Vinyl-Asbestos Tile: 400

γ -survey: 7

β_{maximum} : Vinyl-Asbestos Tile: 1,000

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background

β_{average} : Painted Metal: 500

Painted Cinder Block: 600

γ -survey: 7

β_{maximum} : Painted Metal: 800

Painted Cinder Block: 1,000

β_{average} : Painted Concrete: 600

β_{maximum} : Painted Concrete: 1,000

Tech Signature: 

Date: 10/15/07

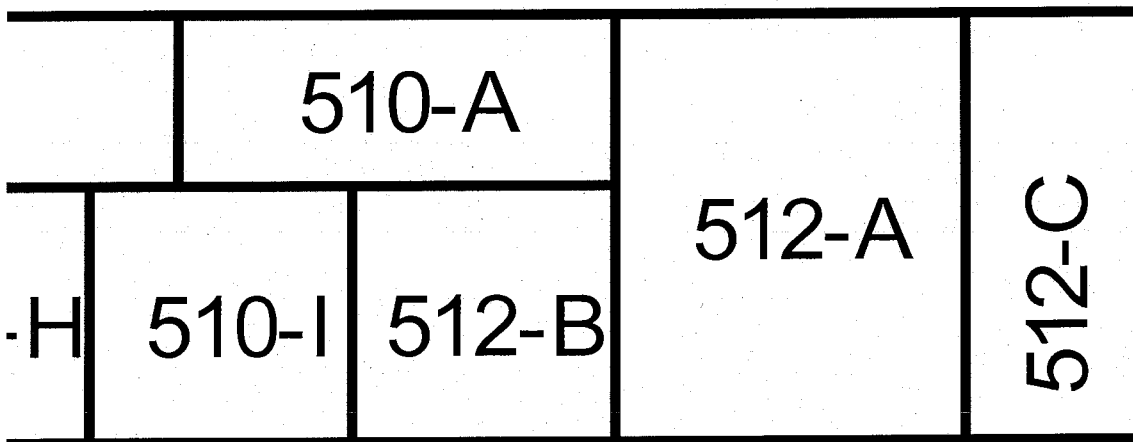
Scan Information Sheet

SU/Room: 510-A, 510-I, 512-A, 512-B

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$: Vinyl-Asbestos Tile: 400 Carpeted Flooring: 400
γ -survey: 5	$\beta_{maximum}$: Vinyl-Asbestos Tile: 800 Carpeted Flooring: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$: Painted Metal: 300 Painted Concrete: 600
γ -survey: 5	$\beta_{maximum}$: Painted Metal: 900 Painted Concrete: 900
	$\beta_{average}$: Painted Cinder Block: 60 Painted Drywall: 400
	$\beta_{maximum}$: Painted Cinder Block: 90 Painted Drywall: 700

Tech Signature: 

Date: 10/15/07

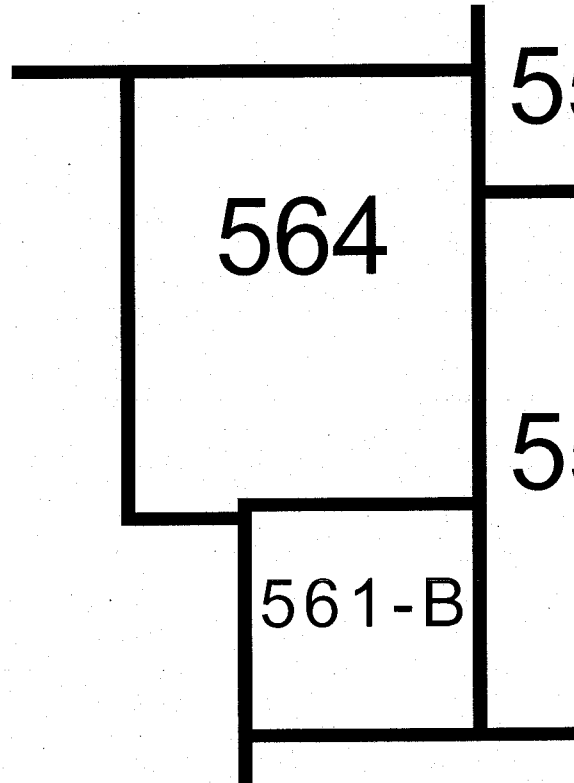
Scan Information Sheet

SU/Room: 564, 561-B

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N-PR 178371)

α -survey: \leq background	$\beta_{average}$:	Vinyl-Asbestos Tile: 400	Carpeted Flooring: 300
γ -survey: <u>5</u>	$\beta_{maximum}$:	Vinyl-Asbestos Tile: 600	Carpeted Flooring: 500

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$:	Painted Metal: 300	Painted Concrete: 400
γ -survey: <u>5</u>	$\beta_{maximum}$:	Painted Metal: 400	Painted Concrete: 500
	$\beta_{average}$:	Painted Drywall: 300	Wood Paneling: 350
	$\beta_{maximum}$:	Painted Drywall: 500	Wood Paneling: 400
	$\beta_{average}$:	Wall Paper: 400	
	$\beta_{maximum}$:	Wall Paper: 600	

Tech Signature: 

Date: 10/17/07

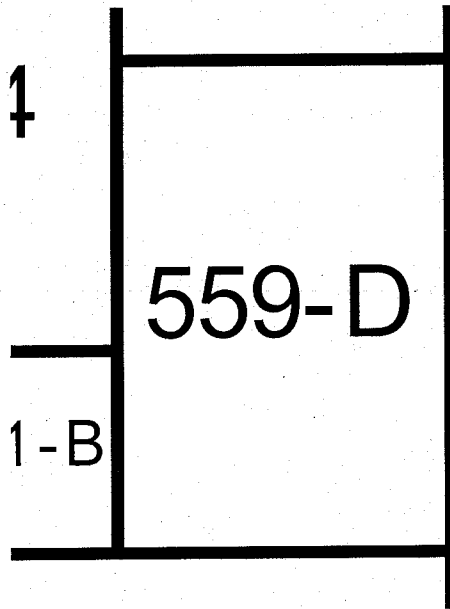
Scan Information Sheet

SU/Room: 559-D

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background β_{average} : Vinyl-Asbestos Tile: 400

γ -survey: 6 β_{maximum} : Vinyl-Asbestos Tile: 500

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background β_{average} : Painted Metal: 350

γ -survey: 6 β_{maximum} : Painted Metal: 400

Tech Signature: 

Date: 10/17/07

Nicholas M. Miller

Scan Information Sheet

SU/Room: 561

Class: 3

Tech Init.: NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

561

Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background β_{average} : Vinyl-Asbestos Tile: 400

γ -survey: 5 β_{maximum} : Vinyl-Asbestos Tile: 600

Wall Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background β_{average} : Painted Drywall: 350

γ -survey: 5 β_{maximum} : Painted Drywall: 400

Tech Signature: Nicholas M. Ben Miller

Date: 10/18/07

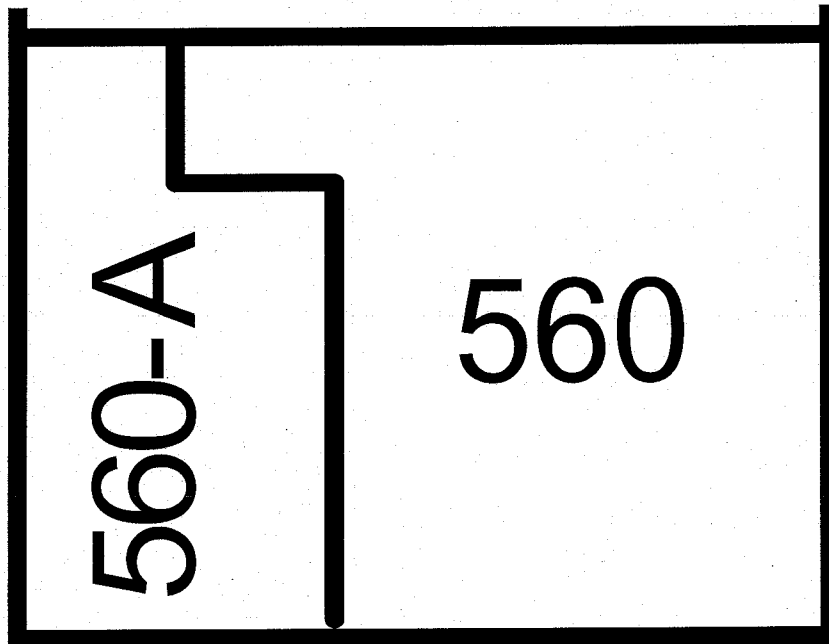
Scan Information Sheet

SU/Room: 560 + 560-A
-501

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$:	Vinyl-Asbestos Tile: 500	Carpeted Flooring: 350
γ -survey: 6	$\beta_{maximum}$:	Vinyl-Asbestos Tile: 600	Carpeted Flooring: 500

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$:	Painted Metal: 300	Wall Paper: 400
γ -survey: 6	$\beta_{maximum}$:	Painted Metal: 600	Wall Paper: 600

Tech Signature: *[Signature]*

Date: 10/17/07, 10/18/07

Nicholas [Signature]

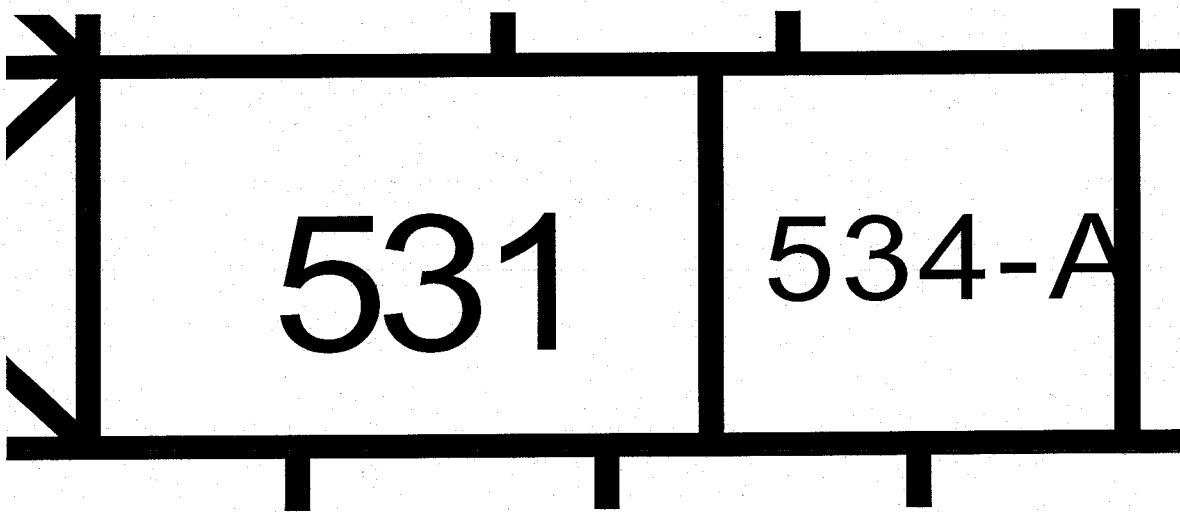
Scan Information Sheet

SU/Room: 531, 534-A

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background β_{average} : UCT: 850

γ -survey: 6 β_{maximum} : UCT: 1,200

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background β_{average} : GCT: 1,100 Painted Drywall: 300

γ -survey: 6 β_{maximum} : GCT: 1,600 Painted Drywall: 600

β_{average} : Painted Cinder Block: 500

β_{maximum} : Painted Cinder Block: 1,200

Tech Signature: 

Date: 10/18/07

Nicholas M. Bui

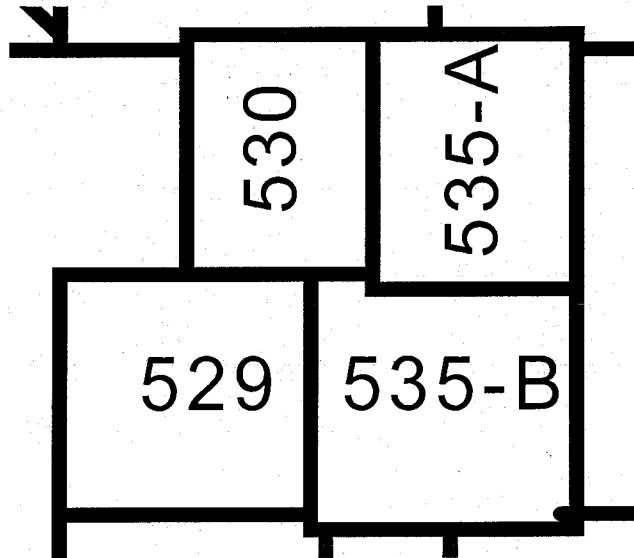
Scan Information Sheet

SU/Room: 529, 530, 535-A, 535-E

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background $\beta_{average}$: Vinyl-Asbestos Tile: 400

γ -survey: 6 $\beta_{maximum}$: Vinyl-Asbestos Tile: 700

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background $\beta_{average}$: Painted Cinder Block: 800

γ -survey: 6 $\beta_{maximum}$: Painted Cinder Block: 1,400

$\beta_{average}$: Painted Sq. Cinder Block: 1,000

$\beta_{maximum}$: Painted Sq. Cinder Block: 1,600

Tech Signature: 

Date: 10/17/07

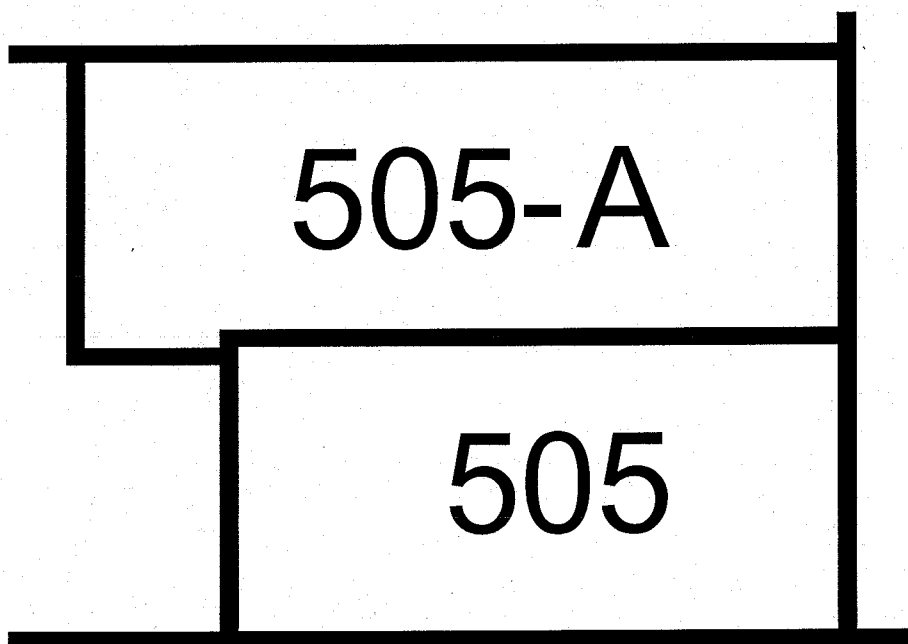
Scan Information Sheet

SU/Room: 505, 505-A

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background $\beta_{average}$: Vinyl-Asbestos Tile: 400

γ -survey: 7 $\beta_{maximum}$: Vinyl-Asbestos Tile: 900

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background $\beta_{average}$: Painted Metal: 400 Painted Concrete: 500

γ -survey: 7 $\beta_{maximum}$: Painted Metal: 600 Painted Concrete: 800

$\beta_{average}$: Painted Cinder Block: 600

$\beta_{maximum}$: Painted Cinder Block: 900

Tech Signature: 

Date: 10/17/07, 10/18/07

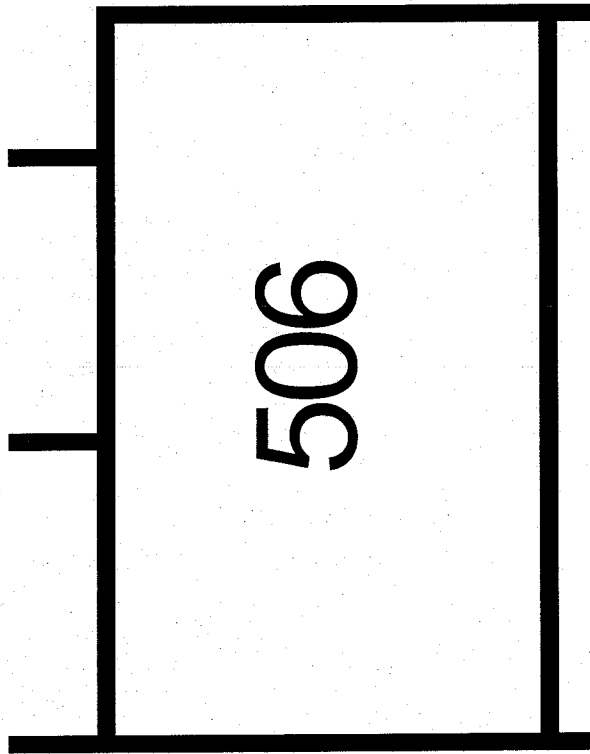
Scan Information Sheet

SU/Room: 506

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background β_{average} : Painted Concrete: 500

γ -survey: 6 β_{maximum} : Painted Concrete: 900

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background β_{average} : Painted Cinder Block: 50 Painted Concrete: 500

γ -survey: 6 β_{maximum} : Painted Cinder Block: 90 Painted Concrete: 800

Tech Signature:

Date: 10/17/07, 10/18/07

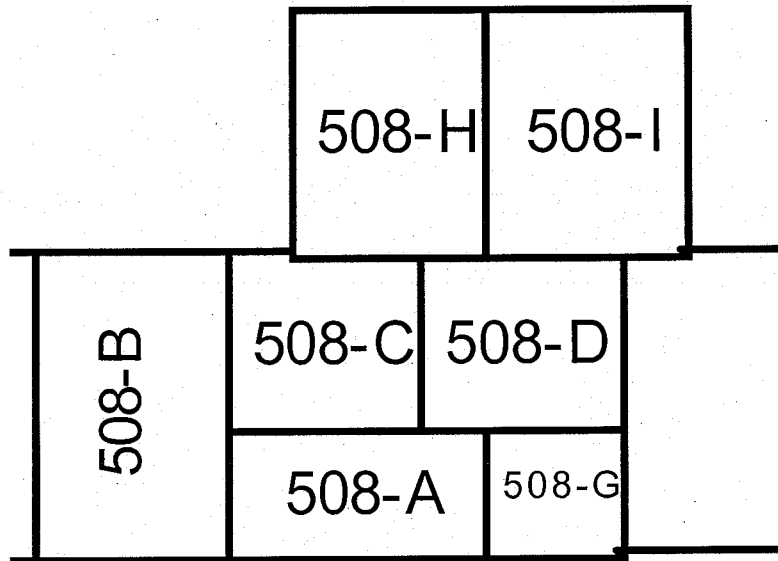
Scan Information Sheet

SU/Room: 508-A, 508-B, 508-C, 508-D,
508-G, 508-H, 508-I

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background $\beta_{average}$: Vinyl-Asbestos Tile: 400

γ -survey: 6 $\beta_{maximum}$: Vinyl-Asbestos Tile: 700

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background $\beta_{average}$: Painted Cinder Block: 500

γ -survey: 6 $\beta_{maximum}$: Painted Cinder Block: 700

$\beta_{average}$: Painted Concrete: 450 Painted Metal: 350

$\beta_{maximum}$: Painted Concrete: 500 Painted Metal: 500

Tech Signature: 

Date: 10/18/07

Nicholas A. For

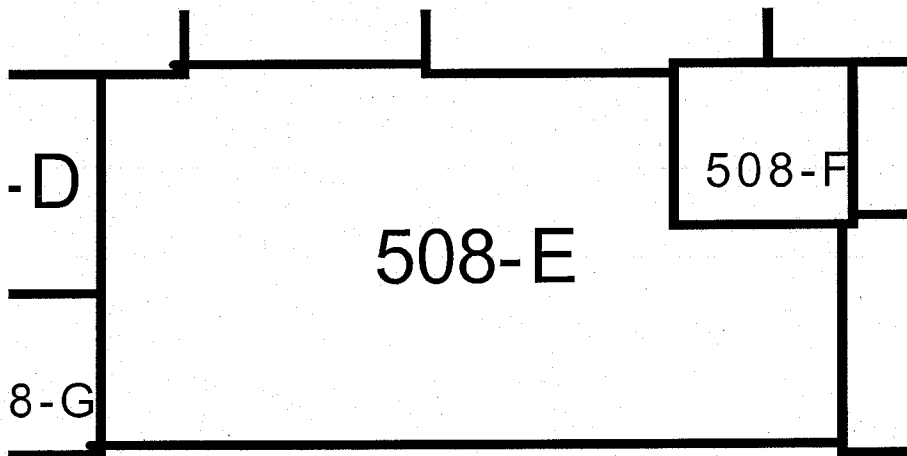
Scan Information Sheet

SU/Room: 508-E, 508-F

Class: 3

Tech Init.: RLS, NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	β_{average} : Formica Tiles: 400
γ -survey: <u>6</u>	β_{maximum} : Formica Tiles: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	β_{average} : Painted Cinder Block: 500
γ -survey: <u>6</u>	β_{maximum} : Painted Cinder Block: 900

β_{average} : Painted Concrete: 500
β_{maximum} : Painted Concrete: 800

Tech Signature: 

Date: 10/18/07

Nicholas A. Miller

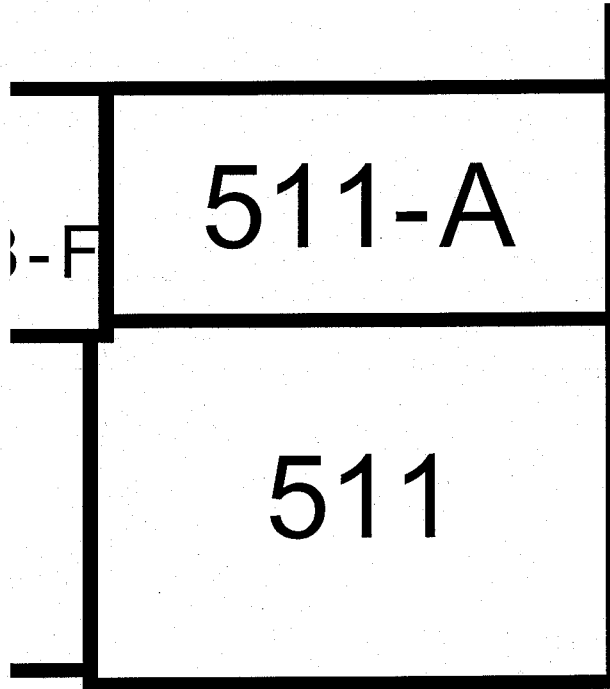
Scan Information Sheet

SU/Room: 511, 511-A

Class: 3

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$: Vinyl-Asbestos Tile: 450
γ -survey: <u>6</u>	$\beta_{maximum}$: Vinyl-Asbestos Tile: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$: Painted Cinder Block: 500
γ -survey: <u>6</u>	$\beta_{maximum}$: Painted Cinder Block: 750

$\beta_{average}$: Painted Concrete: 350	Painted Metal: 350
$\beta_{maximum}$: Painted Concrete: 600	Painted Metal: 600

Tech Signature: 

Date: 10/22/07

Scan Information Sheet

SU/Room: 5-SMG/554T

Class: 2


Tech Init.: PR, GB, MD

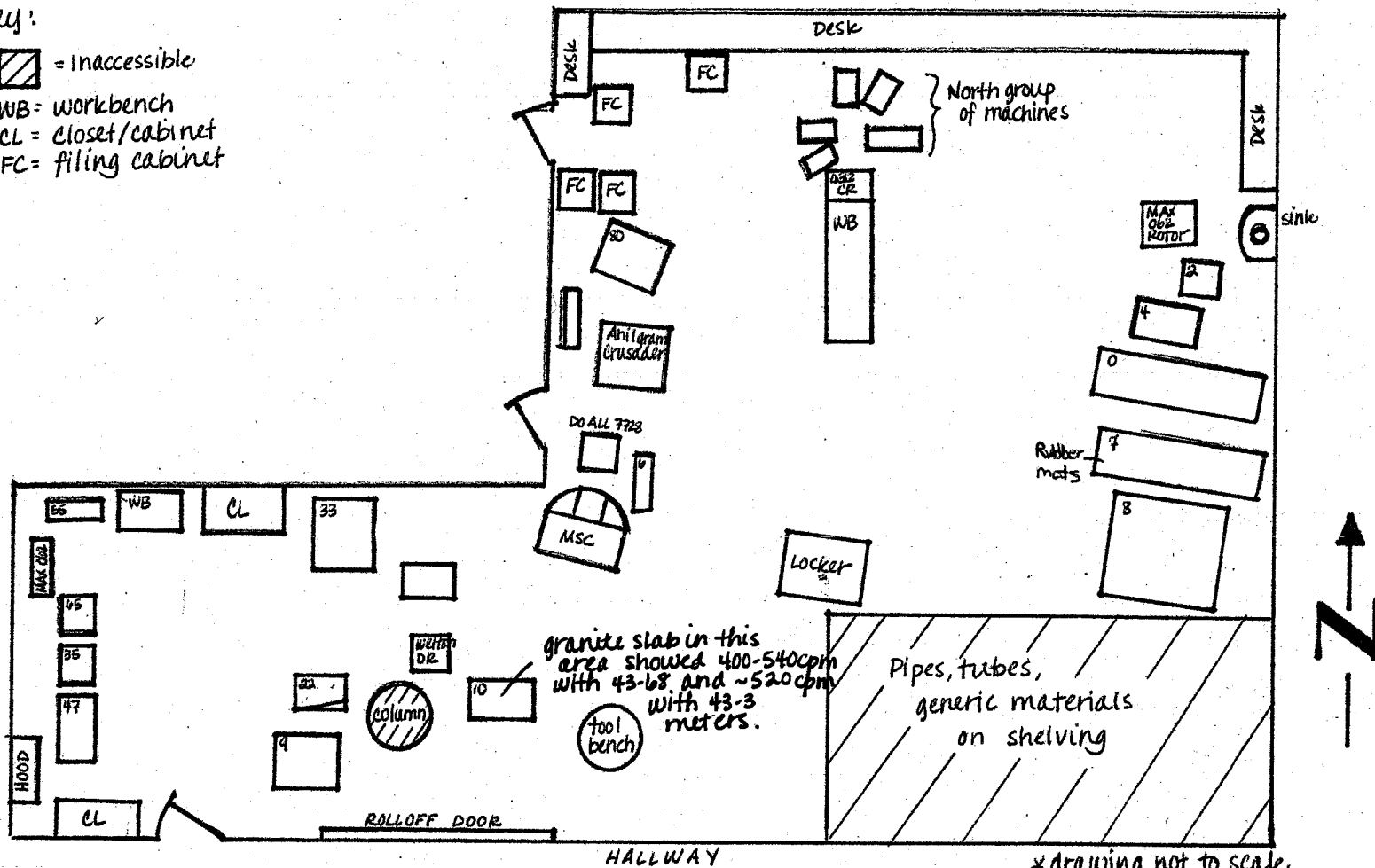
- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Machine Shop

- Floor VAT, walls PCB (Painted Cinderblock)

Key:

 = Inaccessible
 WB = workbench
 CL = closet/cabinet
 FC = filing cabinet



*drawing not to scale

Notes: Floor Survey (43-37/2360, #184938)

γ-Survey: ± bkgd.

α-survey: ± bkgd.

β_{avg} : 450 cpm
 β_{max} : 650 cpm

(43-3/2221, #163673)
 44-3 β_{avg} 310 cpm

Wall Survey (43-68/2224, #161781)

α-survey: ± bkgd.

β_{avg} : 200 cpm
 β_{max} : 250 cpm

100 cpm } rubber mat
 340 cpm }

Tech Signature: _____

Michael Dill

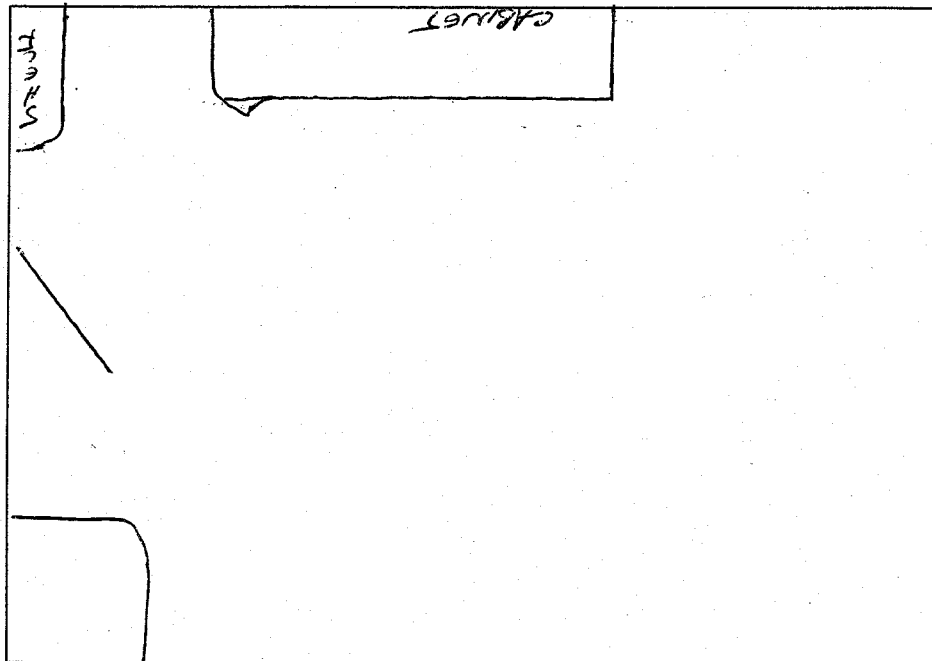
Date: 3/4/07

Sung #042
2024

Scan Information Sheet

SU/Room: STH Fl. 544
 Class: CLASS 1
 Tech Init: KMA

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes:

700 cpm b, 1250 cpm b
 FLOOR AUG. 5-10 cpm X, MAX 75 cpm X
 WALLS CONCRETE BRICK 10-15 cpm X, MAX 30 cpm X, AVG. 600 cpm, MAX 1700 cpm b
 AUG. 5-10 cpm X, MAX 20 cpm X, AVG. 700 cpm b, MAX 1100 cpm b
 2360 W/4337, 184938 W/PR. 178371
 STAINLESS STEEL CABINET AUG. 0-5 cpm X, MAX 10 cpm X, AVG. 500 cpm b, MAX 900 cpm b

[Handwritten Signature]

Tech Signature

Date: 03/27/08

Scan Information Sheet

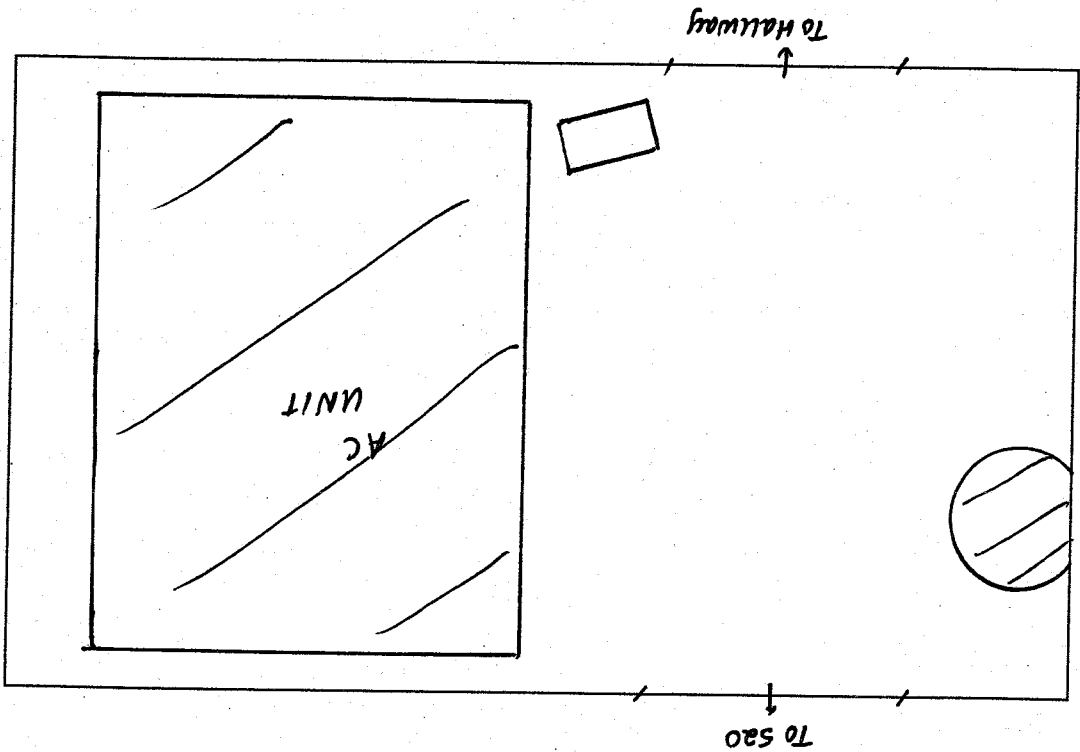
SU/Room: 5-520A/520-A

Class: 1

Tech Init: GB

- Mechanical Room
- Floor VAT, walls painted under block
- Dose rate is 7.4 μ R/hr.

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes:

Floor survey (43-37/2360, #184938)

α -survey: \leq bkgd. avg: 400 cpm max: 500 cpm

γ -survey: \leq bkgd (44-3/2221, #163673)

Wall survey (43-37/2360, #193675)

α -survey: \leq bkgd avg: 450 cpm max: 550 cpm
surfaces: 400 cpm upper 450 cpm walls

Tech Signature: *[Signature]*

Date: 3/16/07

Scan Information Sheet

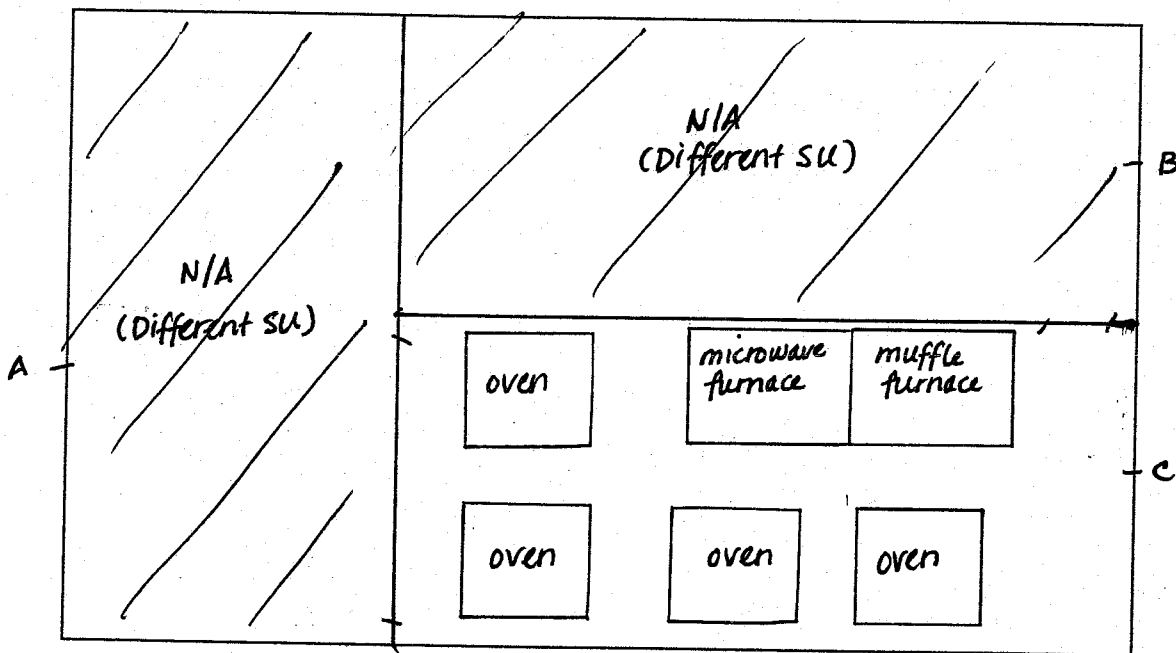
SU/Room: 5-541C/541-C

Class: 1

Tech Init.: GB, NB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Floors - VAT, walls - N/S/W - painted cinderblock, E - painted concrete stucco.
- Dose rate is 8-9 μ R/h.
- Interiors of ovens surveyed - background levels. One oven contained partially burned paper and ash, all others empty.



Notes: Floor Survey (43-37/2360, #184938)

α -survey: \leq bkgd. β avg: 350 cpm
 β max: 600 cpm

γ -survey: \leq bkgd.
(44-3/2221, #163673)

Wall Survey (43-37/2360, #193675)

α -survey: \leq bkgd β avg: 450 cpm
 β max: 500 cpm

Tech Signature: Michael Dalt

Date: 3/13/07

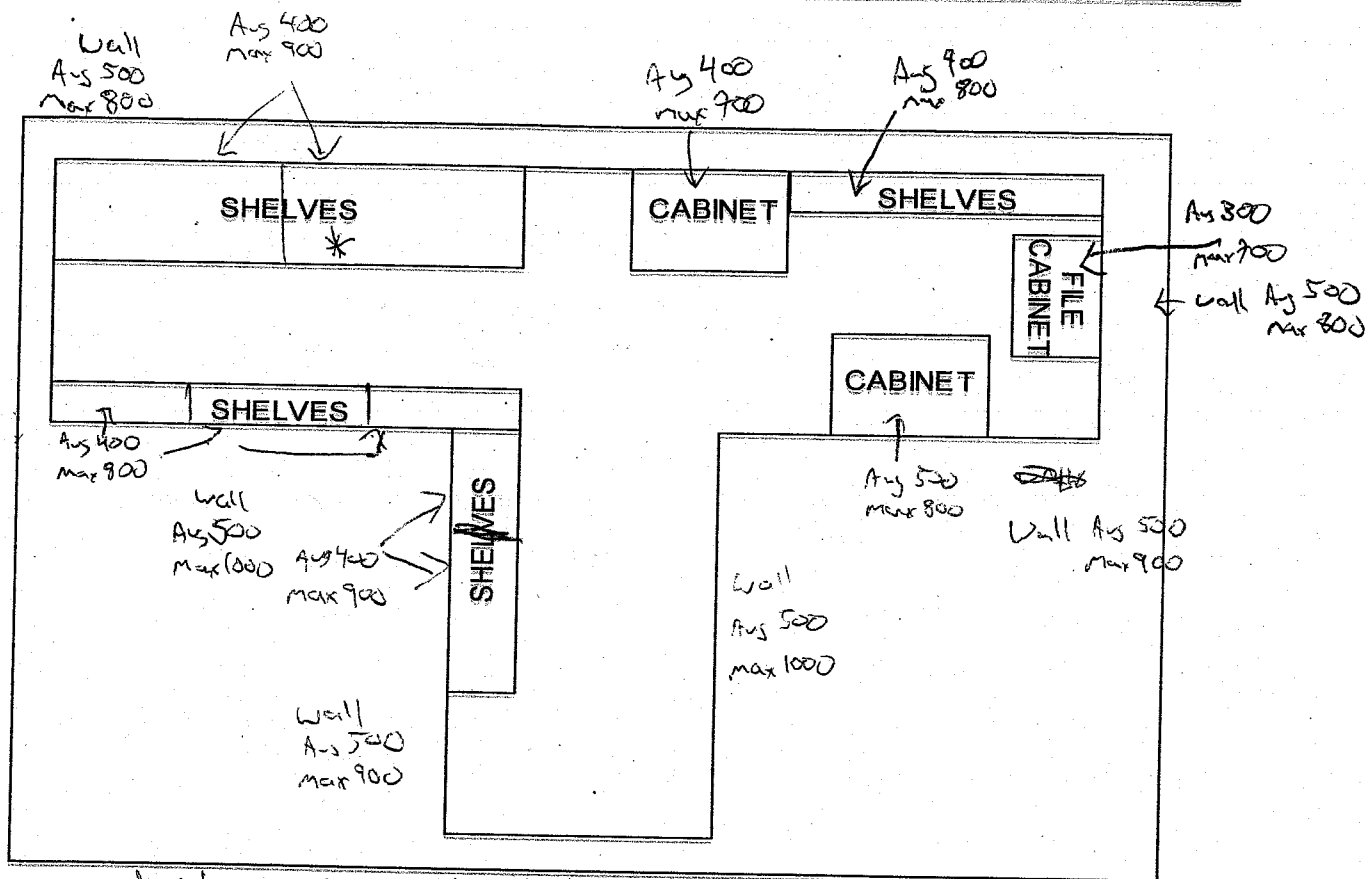
Scan Information Sheet

SU/Room: 528-T (inner)

Class: 1

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



* elevated alpha observed on second shelf from bottom! $\alpha = 62$ $\beta = 814$ (43-37)
Two direct smears collected (528T-18, 528T-19)

Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background

β average: 400

β maximum: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background

β average: 500

β maximum: 1000

TECH SIGNATURE

[Handwritten Signature]

DATE 10/26/07

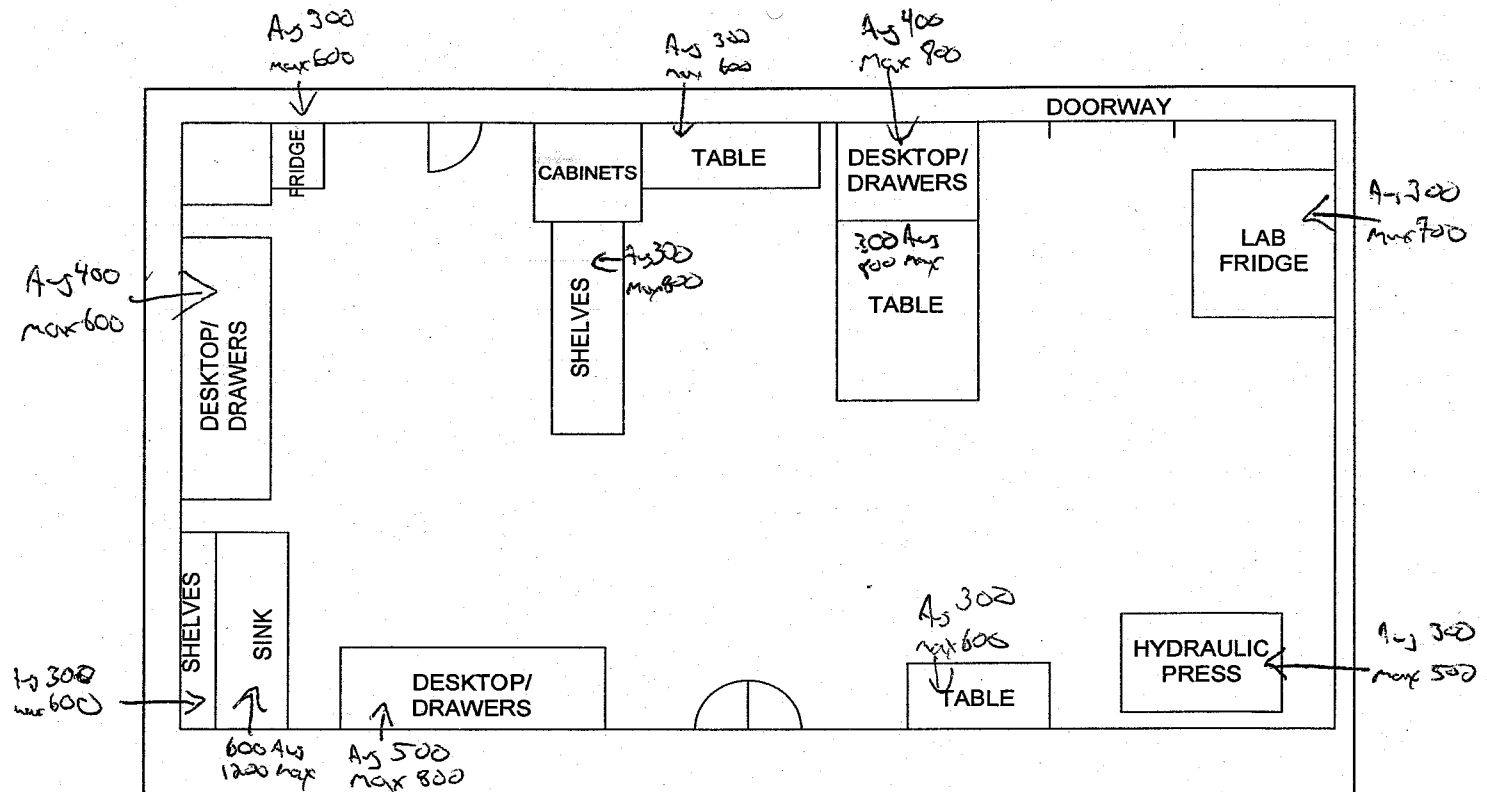
Scan Information Sheet

SU/Room: 541-A

Class: 1

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background

β average: 200 400

β maximum: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background

β average: 500

β maximum: 900

TECH SIGNATURE

[Handwritten Signature]

DATE 10/22/07

Scan Information Sheet

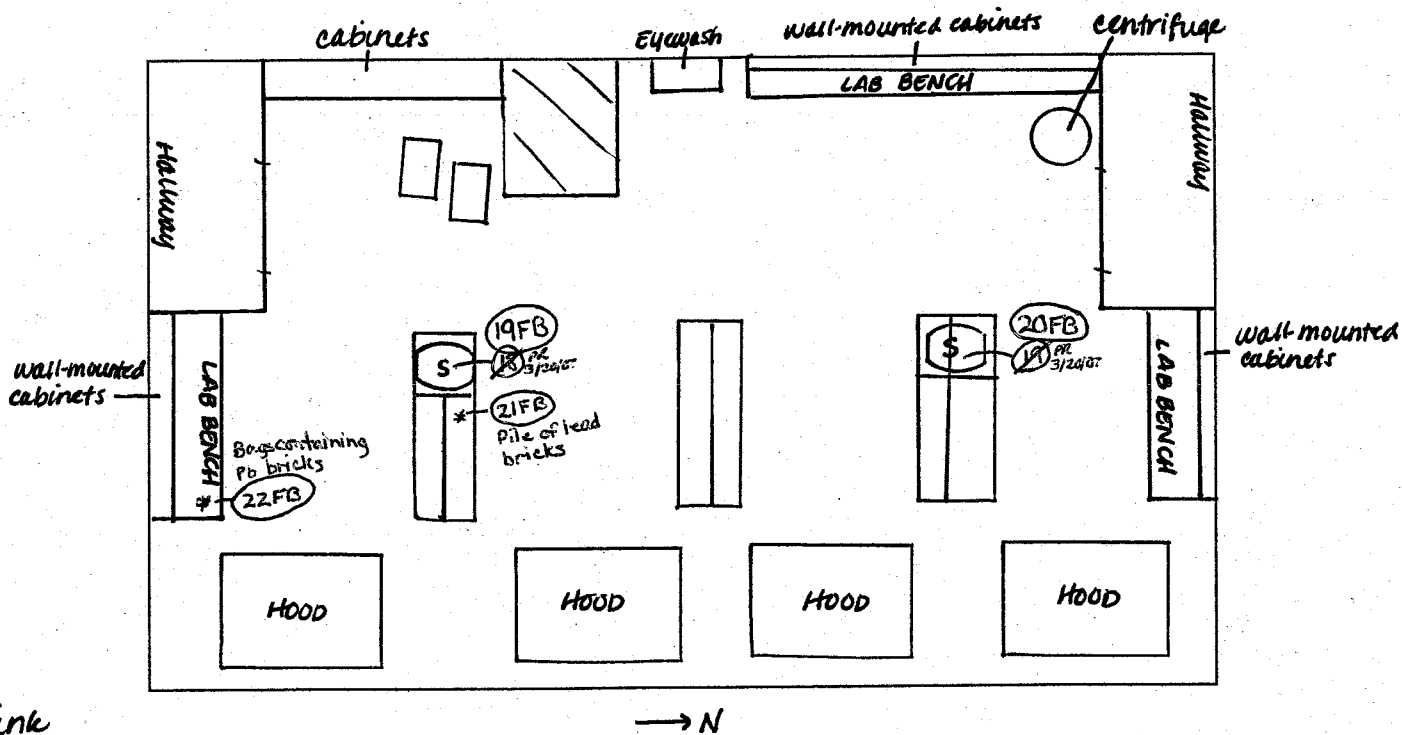
SU/Room: 5-514/514

Class: 1

Tech Init.: GB,NB,MD,PR

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Analytical chemistry lab.
- Dose rate is 5-8 μ R/hr.
- Floors VAT, walls painted cinderblock.



Notes: Floor Survey (43-37/2360, #184938) γ-survey: ≤ bkgd
α-survey: ≤ bkgd. βavg: 500 cpm (44-3/2221, #163673)
βmax: 600 cpm

Wall Survey (43-37/2360, #193675)
α-survey: ≤ bkgd. βavg: 350 cpm } for room, upper walls,
βmax: 400 cpm } ceiling areas.

α-survey: ≤ bkgd (43-68/2224, #183048) } drawers
βavg: 175 cpm
βmax: 220 cpm

Tech Signature: Michael Dill Date: 3/14/07-3/16/07

Scan Information Sheet

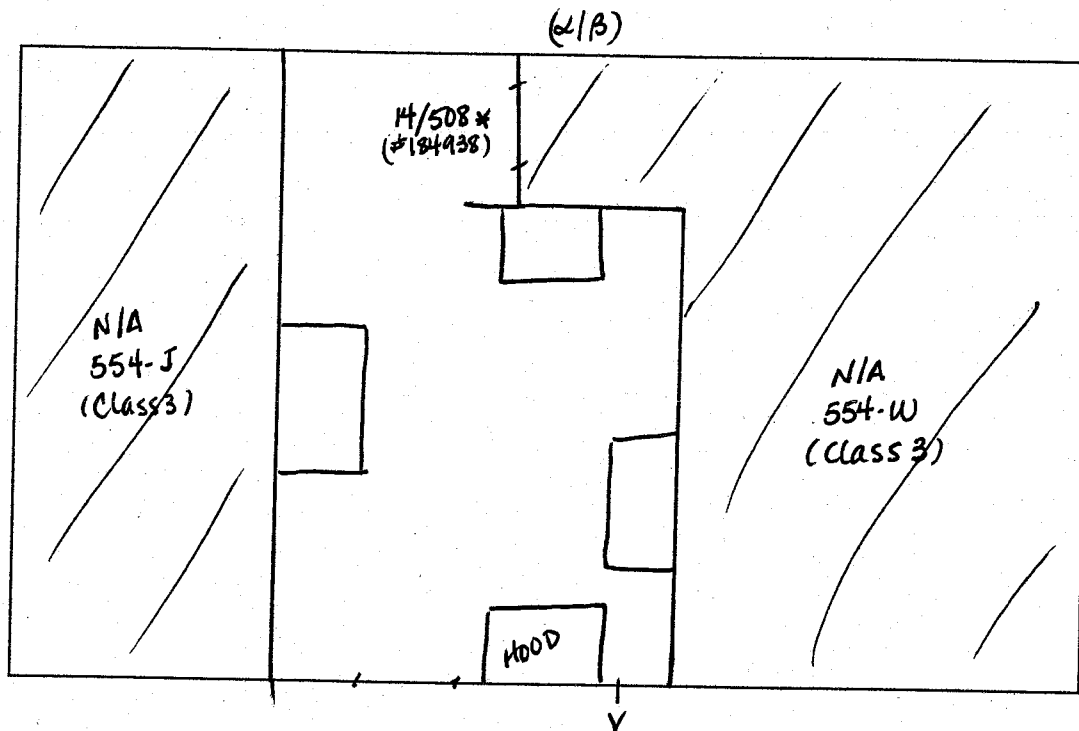
SU/Room: 5-554V/554V

Class: 1

Tech Init.: GB, NB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Weighing Room
- Floors-VAT, Walls-painted cinderblock
- Cabinet tops, surfaces > 6', ceiling areas were less than rest of room.
- Dose was ~9 μ R/hr.



Notes: Floor Survey (43-37/2360, #184938) r-survey: \leq bkgd.
 α -survey: \leq bkgd. β_{avg} : 550 cpm β_{max} : 800 cpm (44-3/2221, #163673)
Wall Survey (43-37/2360, #193675)
 α -survey: \leq bkgd. β_{avg} : 600 cpm β_{max} : 700 cpm

Tech Signature: Michael Dileo

Date: 3/13/07

Scan Information Sheet

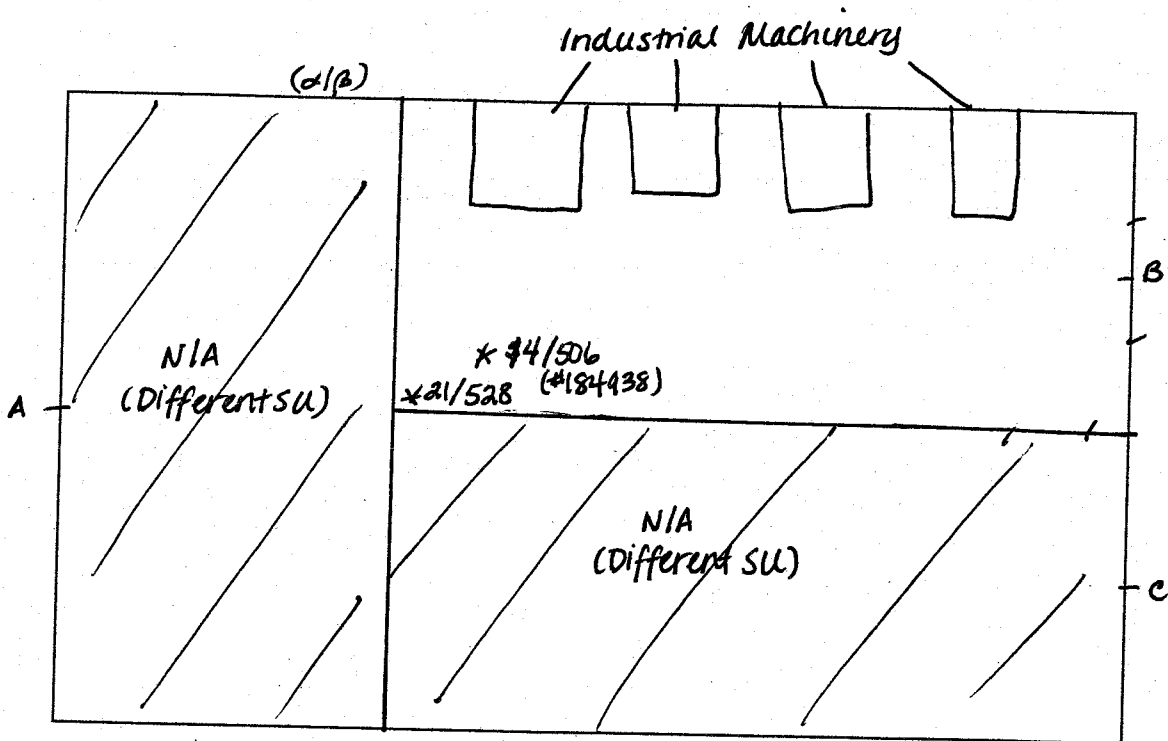
SU/Room: 581B/541-B

Class: I

Tech Init.: GB, NB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Floors- VAT, walls- painted cinderblock
- Dose rate is 8-9 μ R/h



Notes: Floor Survey (43-37/2360, #184938)

γ -survey: \leq bkgd.

α -survey: \leq bkgd.

β avg: 450 cpm
 β max: 700

(44-3/2221, #163673)

Wall Survey (43-37/2360, #193675)

α -survey: \leq bkgd.

β avg: 450 cpm } surfaces 400 cpm } upper surfaces and
 β max: 600 cpm } 450 cpm } areas

Tech Signature: Krichel Diller

Date: 3/13/07

Scan Information Sheet

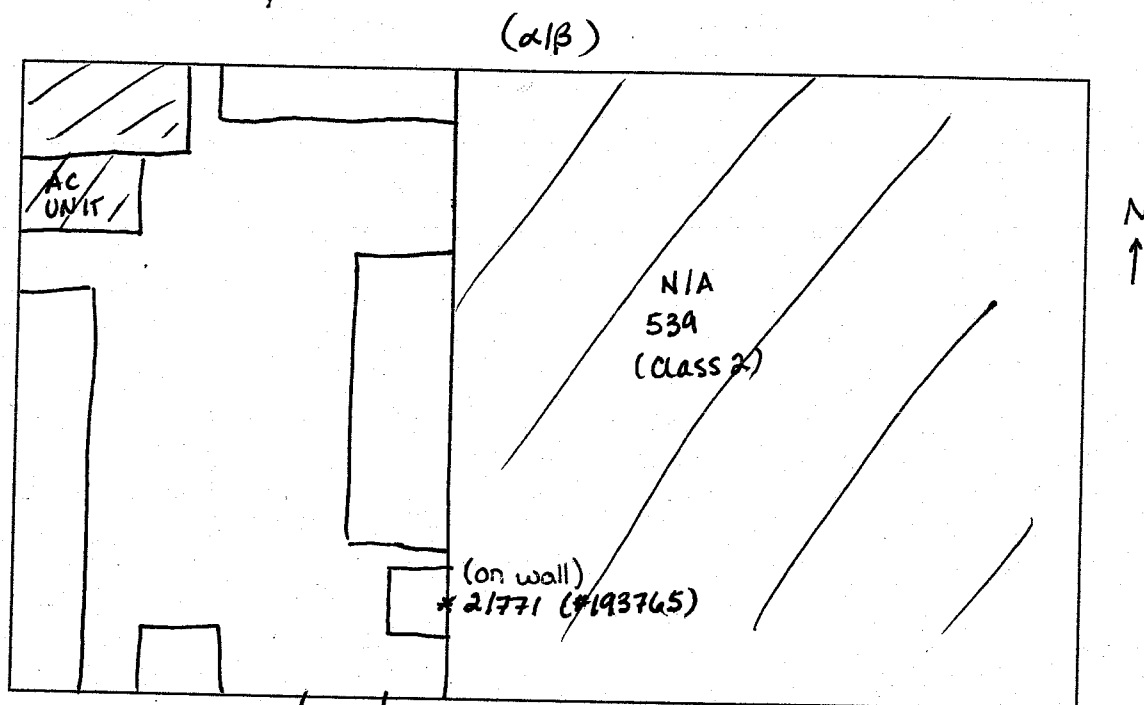
SU/Room: 5-538 / 538

Class: 1

Tech Init.: PR, GB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Alpha Spectrometry Rm.
- Floor - VAT, Walls - painted cinderblock
- Background of bricks appears to be slightly higher (on all wall surfaces).
- Dose is ~9 μ R/h



Notes: Floor Survey (43-37/2360, #184938)

r-survey: \leq bkgd up to 450cpm on walls
(44-3/2221, #163673)

α -survey: \leq bkgd. β avg: 500 cpm β max: 600 cpm

Wall Survey (43-37/2360, #193675)

α -survey: \leq bkgd. β avg: 500 cpm β max: 700 cpm

Tech Signature: Michael D. O.

Date: 3/13/07

Scan Information Sheet

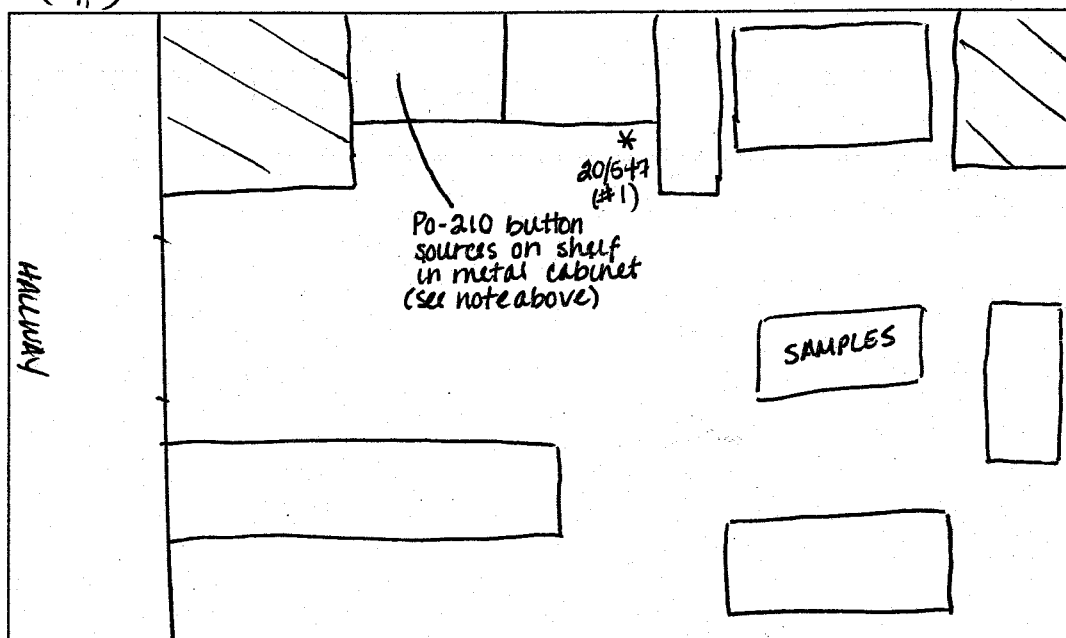
SU/Room: 5-527 / 527

Class: 1

Tech Init.: GB, NB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Private office
- Floor VAT, walls painted cinderblock (N/E/W) and painted concrete (S).
- Metal rack was scanned (bone samples in boxes). 44-3 - at or below γ -background; 43-37 (#2) - at or below α/β background.
- "Bone Archive for shipment to Ustur." Boxes are numbered with sample ID ranges.
- Dose rate is 5-7 μ R/h.
- Old Po-210 sources were found in cabinet (button sources), but readings (using 44-9) barely reached α background.



Notes:

<p>(#1)</p> <p>Floor Survey (43-37/2360, #184938)</p> <p>α-survey: \leq bkqd. β_{avg}: 400 cpm β_{max}: 600 cpm</p>		<p>γ-survey: \leq bkqd</p> <p>(44-3/2221, #163673)</p>
<p>(#2)</p> <p>Wall Survey (43-37/2360, #193675)</p> <p>α-survey: \leq bkqd. β_{avg}: 400 cpm β_{max}: 600 cpm</p>		<p>(higher bkqd brick)</p>

Tech Signature: Michel Dill

Date: 3/14/07

Scan Information Sheet

SU/Room: 5-536 / 536 (Inner)

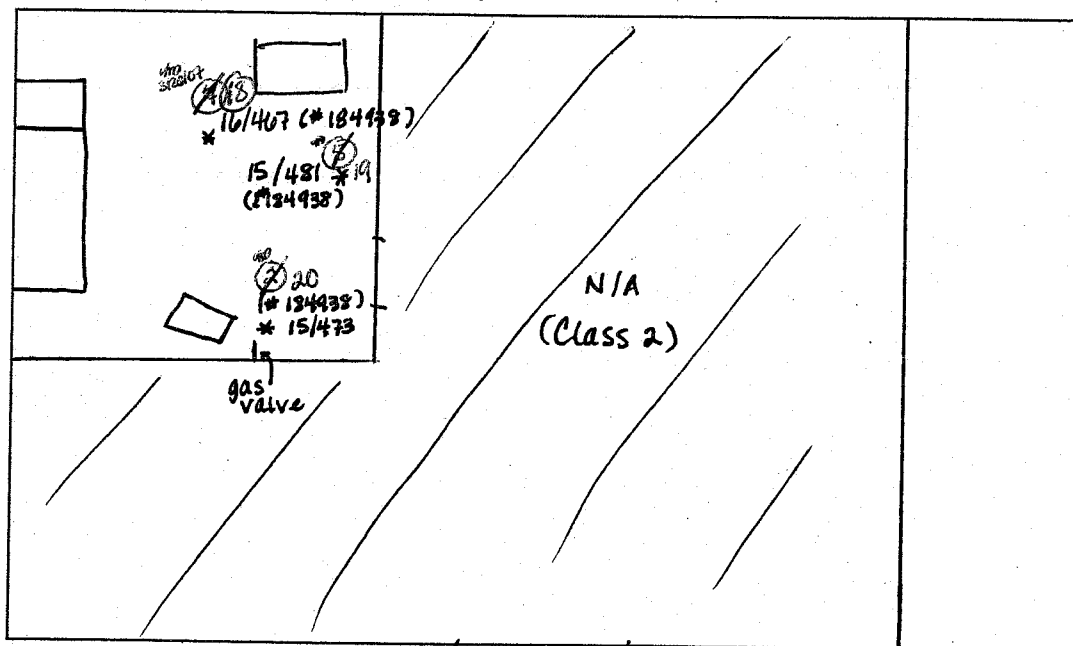
Class: I

Tech Init.: GB, NB, MD

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

- Floor - VAT, ^S N/W walls painted cinderblock, N/E walls metal with glass windows.
- Floors were swept prior to survey.
- Dose was 7-8 μ R/hr
- Statics were taken on floor (biased), but no bias smears were collected. (systematics later collected)

(α/β)



Notes: Floor survey (43-37/2360, #184938) γ -survey: \leq bkgd
 α -survey: \leq bkgd. β avg: 400 cpm 450 cpm (443/2221, #163673)
 β max: 600 cpm

Wall survey (43-37/2360, #143675)
 α -survey: \leq bkgd β avg: 450 cpm 450 cpm ? high ceilings
 β max: 500 cpm 500 cpm } and top of lights.

Tech Signature: Michelle Dill

Date: 3/13/07

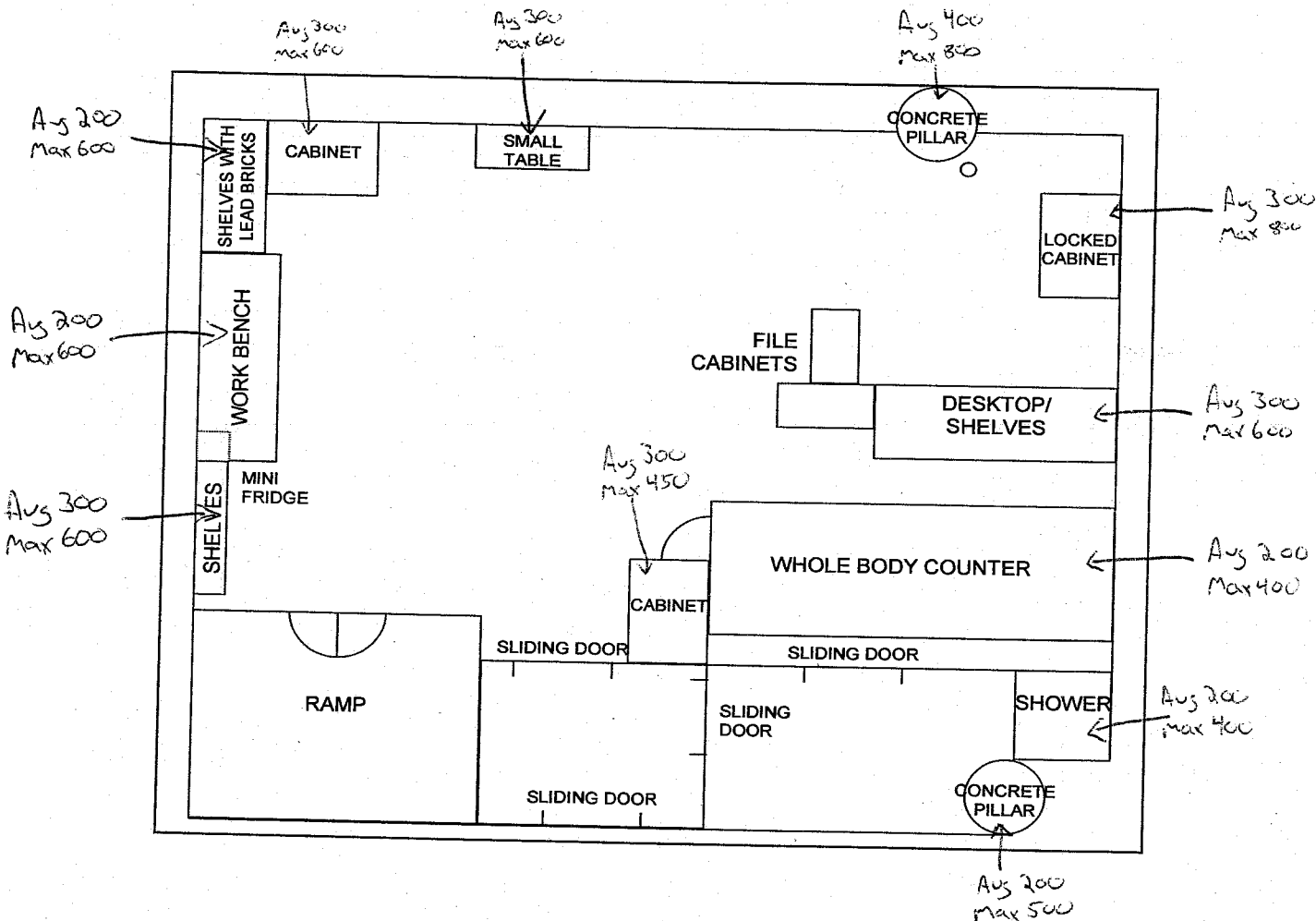
Scan Information Sheet

SU/Room: 554-B2

Class: 1

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background

β average: 400

β maximum: 800

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background

β average: 500

β maximum: 900

e lead pig, one instrument (possible LVI), and various rad material from the locked cabinet (e.g. tuna is, ThNO_3 , K^{85} cylinder) were removed due to elevated activity observed on these items. A 43-2 detector is also removed because it was in a bag labeled "Contaminated Mylar & Cap." All these items will be surveyed individually.

tech Signature: [Signature] date: 10/31/07

[illegible]

APPENDIX D

FINAL STATUS SURVEY ANALYSIS – SIGN TEST FORMS

Systematic Integrated MARSSIM Measurements for Survey Units

Structure Sign Test Results

Survey Date:	11/26/2007
Room:	514
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-514-1	S	F	AT	7	1.8	5.2	20.8	1
5-514-2	S	F	AT	5	1.8	3.2	12.8	1
5-514-3	S	F	AT	8	1.8	6.2	24.8	1
5-514-4	S	F	AT	7	1.8	5.2	20.8	1
5-514-5	S	F	AT	7	1.8	5.2	20.8	1
5-514-6	S	F	AT	8	1.8	6.2	24.8	1
5-514-7	S	W	CB	3	1.1	1.9	7.6	1
5-514-8	S	W	CB	8	1.1	6.9	27.6	1
5-514-9	S	W	CB	4	1.1	2.9	11.6	1
5-514-10	S	W	CB	4	1.1	2.9	11.6	1
5-514-11	S	W	CB	6	1.1	4.9	19.6	1
5-514-12	S	W	CB	10	1.1	8.9	35.6	1
5-514-13	S	W	CB	4	1.1	2.9	11.6	1
5-514-14	S	W	CB	3	1.1	1.9	7.6	1
5-514-15	S	W	CB	3	1.1	1.9	7.6	1
5-514-16	S	W	CB	4	1.1	2.9	11.6	1
5-514-17	S	W	CB	3	1.1	1.9	7.6	1

Mean	16.7
Median	12.8
Minimum	7.6
Maximum	35.6
Std Dev (1s)	8.4
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-514

Structure Sign Test Results

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

Survey Date:	11/26/2007
Room:	514
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-514-1	S	F	AT	144	170.9	-26.9	-73.8	1
5-514-2	S	F	AT	173	170.9	2.1	5.8	1
5-514-3	S	F	AT	197	170.9	26.1	71.7	1
5-514-4	S	F	AT	171	170.9	0.1	0.3	1
5-514-5	S	F	AT	157	170.9	-13.9	-38.2	1
5-514-6	S	F	AT	188	170.9	17.1	46.9	1
5-514-7	S	W	CB	266	223.9	42.1	115.6	1
5-514-8	S	W	CB	157	223.9	-66.9	-183.7	1
5-514-9	S	W	CB	227	223.9	3.1	8.5	1
5-514-10	S	W	CB	161	223.9	-62.9	-172.7	1
5-514-11	S	W	CB	173	223.9	-50.9	-139.7	1
5-514-12	S	W	CB	173	223.9	-50.9	-139.7	1
5-514-13	S	W	CB	162	223.9	-61.9	-169.9	1
5-514-14	S	W	CB	187	223.9	-36.9	-101.3	1
5-514-15	S	W	CB	171	223.9	-52.9	-145.2	1
5-514-16	S	W	CB	157	223.9	-66.9	-183.7	1
5-514-17	S	W	CB	145	223.9	-78.9	-216.6	1

Mean	-77.4
Median	-101.3
Minimum	-216.6
Maximum	115.6
Std Dev (1s)	102.9
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	11/2/2007
Room:	516
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-516-1	S	F	AT	0	1.8	-1.8	-7.2	1
5-516-2	S	F	AT	2	1.8	0.2	0.8	1
5-516-3	S	F	AT	2	1.8	0.2	0.8	1
5-516-4	S	F	AT	0	1.8	-1.8	-7.2	1
5-516-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-516-6	S	F	AT	0	1.8	-1.8	-7.2	1
5-516-7	S	W	CB	0	1.1	-1.1	-4.4	1
5-516-8	S	W	CB	0	1.1	-1.1	-4.4	1
5-516-9	S	W	CB	2	1.1	0.9	3.6	1
5-516-10	S	W	CB	1	1.1	-0.1	-0.4	1
5-516-11	S	W	CB	0	1.1	-1.1	-4.4	1
5-516-12	S	W	CB	2	1.1	0.9	3.6	1
5-516-13	S	W	CB	0	1.1	-1.1	-4.4	1
5-516-14	S	W	CB	3	1.1	1.9	7.6	1
5-516-15	S	W	CB	1	1.1	-0.1	-0.4	1
5-516-16	S	W	CB	2	1.1	0.9	3.6	1
5-516-17	S	W	CB	2	1.1	0.9	3.6	1

Mean	-1.2
Median	-0.4
Minimum	-7.2
Maximum	7.6
Std Dev (1s)	4.6
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-516

Structure Sign Test Results

Survey Date:	11/2/2007
Room:	516
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-516-1	S	F	AT	197	170.9	26.1	71.7	1
5-516-2	S	F	AT	184	170.9	13.1	36.0	1
5-516-3	S	F	AT	187	170.9	16.1	44.2	1
5-516-4	S	F	AT	155	170.9	-15.9	-43.6	1
5-516-5	S	F	AT	174	170.9	3.1	8.5	1
5-516-6	S	F	AT	187	170.9	16.1	44.2	1
5-516-7	S	W	CB	218	223.9	-5.9	-16.2	1
5-516-8	S	W	CB	136	223.9	-87.9	-241.3	1
5-516-9	S	W	CB	163	223.9	-60.9	-167.2	1
5-516-10	S	W	CB	157	223.9	-66.9	-183.7	1
5-516-11	S	W	CB	133	223.9	-90.9	-249.5	1
5-516-12	S	W	CB	178	223.9	-45.9	-126.0	1
5-516-13	S	W	CB	153	223.9	-70.9	-194.6	1
5-516-14	S	W	CB	164	223.9	-59.9	-164.4	1
5-516-15	S	W	CB	127	223.9	-96.9	-266.0	1
5-516-16	S	W	CB	207	223.9	-16.9	-46.4	1
5-516-17	S	W	CB	131	223.9	-92.9	-255.0	1

Mean	-102.9
Median	-126.0
Minimum	-266.0
Maximum	71.7
Std Dev (1s)	120.8
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	11/26/2007
Room:	518
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-518-1	S	F	AT	5	1.8	3.2	12.8	1
5-518-2	S	F	AT	7	1.8	5.2	20.8	1
5-518-3	S	F	AT	8	1.8	6.2	24.8	1
5-518-4	S	F	AT	11	1.8	9.2	36.8	1
5-518-5	S	F	AT	5	1.8	3.2	12.8	1
5-518-6	S	F	AT	8	1.8	6.2	24.8	1
5-518-7	S	W	CB	6	1.1	4.9	19.6	1
5-518-8	S	W	CB	6	1.1	4.9	19.6	1
5-518-9	S	W	CB	3	1.1	1.9	7.6	1
5-518-10	S	W	CB	5	1.1	3.9	15.6	1
5-518-11	S	W	CB	8	1.1	6.9	27.6	1
5-518-12	S	W	CB	5	1.1	3.9	15.6	1
5-518-13	S	W	CB	5	1.1	3.9	15.6	1
5-518-14	S	W	CB	4	1.1	2.9	11.6	1
5-518-15	S	W	CB	2	1.1	0.9	3.6	1
5-518-16	S	W	CB	10	1.1	8.9	35.6	1
5-518-17	S	W	CB	5	1.1	3.9	15.6	1

Mean	18.8
Median	15.6
Minimum	3.6
Maximum	36.8
Std Dev (1s)	8.9
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

Survey Date:	11/26/2007
Room:	518
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Static Count Time (min):	1.0
Daily BKG Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-518-1	S	F	AT	193	170.9	22.1	60.7	1
5-518-2	S	F	AT	186	170.9	15.1	41.5	1
5-518-3	S	F	AT	179	170.9	8.1	22.2	1
5-518-4	S	F	AT	167	170.9	-3.9	-10.7	1
5-518-5	S	F	AT	225	170.9	54.1	148.5	1
5-518-6	S	F	AT	185	170.9	14.1	38.7	1
5-518-7	S	W	CB	155	223.9	-68.9	-189.1	1
5-518-8	S	W	CB	179	223.9	-44.9	-123.3	1
5-518-9	S	W	CB	177	223.9	-46.9	-128.8	1
5-518-10	S	W	CB	150	223.9	-73.9	-202.9	1
5-518-11	S	W	CB	172	223.9	-51.9	-142.5	1
5-518-12	S	W	CB	143	223.9	-80.9	-222.1	1
5-518-13	S	W	CB	160	223.9	-63.9	-175.4	1
5-518-14	S	W	CB	220	223.9	-3.9	-10.7	1
5-518-15	S	W	CB	164	223.9	-59.9	-164.4	1
5-518-16	S	W	CB	198	223.9	-25.9	-71.1	1
5-518-17	S	W	CB	161	223.9	-62.9	-172.7	1

Mean	-76.6
Median	-123.3
Minimum	-222.1
Maximum	148.5
Std Dev (1s)	112.1
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-520

Structure Sign Test Results

Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Survey Date:	11/5/2007
Room:	520
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-520-1	S	F	AT	3	1.8	1.2	4.8	1
5-520-2	S	F	AT	2	1.8	0.2	0.8	1
5-520-3	S	F	AT	2	1.8	0.2	0.8	1
5-520-4	S	F	AT	2	1.8	0.2	0.8	1
5-520-5	S	F	AT	3	1.8	1.2	4.8	1
5-520-6	S	F	AT	2	1.8	0.2	0.8	1
5-520-7	S	W	CB	3	1.1	1.9	7.6	1
5-520-8	S	W	CB	3	1.1	1.9	7.6	1
5-520-9	S	W	CB	3	1.1	1.9	7.6	1
5-520-10	S	W	CB	4	1.1	2.9	11.6	1
5-520-11	S	W	CB	6	1.1	4.9	19.6	1
5-520-12	S	W	CB	2	1.1	0.9	3.6	1
5-520-13	S	W	CB	5	1.1	3.9	15.6	1
5-520-14	S	W	CB	3	1.1	1.9	7.6	1
5-520-15	S	W	CB	2	1.1	0.9	3.6	1
5-520-16	S	W	CB	5	1.1	3.9	15.6	1
5-520-17	S	W	CB	4	1.1	2.9	11.6	1

Mean	7.3
Median	7.6
Minimum	0.8
Maximum	19.6
Std Dev (1s)	5.8
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	11/5/2007
Room:	520
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-520-1	S	F	AT	187	170.9	16.1	44.2	1
5-520-2	S	F	AT	172	170.9	1.1	3.0	1
5-520-3	S	F	AT	171	170.9	0.1	0.3	1
5-520-4	S	F	AT	182	170.9	11.1	30.5	1
5-520-5	S	F	AT	193	170.9	22.1	60.7	1
5-520-6	S	F	AT	158	170.9	-12.9	-35.4	1
5-520-7	S	W	CB	143	223.9	-80.9	-222.1	1
5-520-8	S	W	CB	185	223.9	-38.9	-106.8	1
5-520-9	S	W	CB	138	223.9	-85.9	-235.8	1
5-520-10	S	W	CB	169	223.9	-54.9	-150.7	1
5-520-11	S	W	CB	161	223.9	-62.9	-172.7	1
5-520-12	S	W	CB	267	223.9	43.1	118.3	1
5-520-13	S	W	CB	163	223.9	-60.9	-167.2	1
5-520-14	S	W	CB	173	223.9	-50.9	-139.7	1
5-520-15	S	W	CB	175	223.9	-48.9	-134.2	1
5-520-16	S	W	CB	181	223.9	-42.9	-117.8	1
5-520-17	S	W	CB	260	223.9	36.1	99.1	1

Mean	-66.3
Median	-106.8
Minimum	-235.8
Maximum	118.3
Std Dev (1s)	113.3
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-520A

Structure Sign Test Results

Survey Date:	3/20/2007
Room:	520A
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-520A-1	S	F	AT	1	1.8	-0.8	-3.2	1
5-520A-2	S	F	AT	0	1.8	-1.8	-7.2	1
5-520A-3	S	F	AT	0	1.8	-1.8	-7.2	1
5-520A-4	S	F	AT	0	1.8	-1.8	-7.2	1
5-520A-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-520A-6	S	F	AT	1	1.8	-0.8	-3.2	1
5-520A-7	S	F	AT	2	1.8	0.2	0.8	1
5-520A-8	S	F	AT	1	1.8	-0.8	-3.2	1
5-520A-9	S	W	CB	0	1.1	-1.1	-4.4	1
5-520A-10	S	W	CB	1	1.1	-0.1	-0.4	1
5-520A-11	S	W	CB	1	1.1	-0.1	-0.4	1
5-520A-12	S	W	CB	3	1.1	1.9	7.6	1
5-520A-13	S	W	CB	0	1.1	-1.1	-4.4	1
5-520A-14	S	W	CB	2	1.1	0.9	3.6	1
5-520A-15	S	W	CB	1	1.1	-0.1	-0.4	1
5-520A-16	S	W	CB	0	1.1	-1.1	-4.4	1
5-520A-17	S	W	CB	1	1.1	-0.1	-0.4	1

Mean	-2.2
Median	-3.2
Minimum	-7.2
Maximum	7.6
Std Dev (1s)	3.9
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-520A

Structure Sign Test Results

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

Survey Date:	3/20/2007
Room:	520A
MARSSIM Class:	1
SU DCGLe _w (dpm/100cm ²):	1000

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-520A-1	S	F	AT	157	170.9	-13.9	-38.2	1
5-520A-2	S	F	AT	159	170.9	-11.9	-32.7	1
5-520A-3	S	F	AT	212	170.9	41.1	112.8	1
5-520A-4	S	F	AT	180	170.9	9.1	25.0	1
5-520A-5	S	F	AT	178	170.9	7.1	19.5	1
5-520A-6	S	F	AT	188	170.9	17.1	46.9	1
5-520A-7	S	F	AT	166	170.9	-4.9	-13.5	1
5-520A-8	S	F	AT	180	170.9	9.1	25.0	1
5-520A-9	S	W	CB	157	223.9	-66.9	-183.7	1
5-520A-10	S	W	CB	150	223.9	-73.9	-202.9	1
5-520A-11	S	W	CB	144	223.9	-79.9	-219.3	1
5-520A-12	S	W	CB	167	223.9	-56.9	-156.2	1
5-520A-13	S	W	CB	149	223.9	-74.9	-205.6	1
5-520A-14	S	W	CB	157	223.9	-66.9	-183.7	1
5-520A-15	S	W	CB	119	223.9	-104.9	-288.0	1
5-520A-16	S	W	CB	173	223.9	-50.9	-139.7	1
5-520A-17	S	W	CB	163	223.9	-60.9	-167.2	1

Mean	-94.2
Median	-139.7
Minimum	-288.0
Maximum	112.8
Std Dev (1s)	117.9
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGLe_w, Sign = -1, otherwise 1.

Survey Unit 5-524

Structure Sign Test Results

Survey Date:	11/15/2007
Room:	524
MARSSIM Class:	1
SU DCGI _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-524-1	S	F	AT	7	1.8	5.2	20.8	1
5-524-2	S	F	AT	6	1.8	4.2	16.8	1
5-524-3	S	F	AT	4	1.8	2.2	8.8	1
5-524-4	S	F	AT	5	1.8	3.2	12.8	1
5-524-5	S	F	AT	2	1.8	0.2	0.8	1
5-524-6	S	F	AT	5	1.8	3.2	12.8	1
5-524-7	S	W	CB	6	1.1	4.9	19.6	1
5-524-8	S	W	CB	8	1.1	6.9	27.6	1
5-524-9	S	W	CB	5	1.1	3.9	15.6	1
5-524-10	S	W	CB	7	1.1	5.9	23.6	1
5-524-11	S	W	CB	5	1.1	3.9	15.6	1
5-524-12	S	W	CB	6	1.1	4.9	19.6	1
5-524-13	S	W	CB	4	1.1	2.9	11.6	1
5-524-14	S	W	CB	8	1.1	6.9	27.6	1
5-524-15	S	W	CB	6	1.1	4.9	19.6	1
5-524-16	S	W	CB	1	1.1	-0.1	-0.4	1
5-524-17	S	W	CB	4	1.1	2.9	11.6	1

Mean	15.5
Median	15.6
Minimum	-0.4
Maximum	27.6
Std Dev (1s)	7.9
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGI_w, Sign = -1, otherwise 1.

Survey Unit 5-524

Structure Sign Test Results

Survey Date:	11/15/2007
Room:	524
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

Static Count Time (min):	1.0
Daily BKG Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-524-1	S	F	AT	189	170.9	18.1	49.7	1
5-524-2	S	F	AT	158	170.9	-12.9	-35.4	1
5-524-3	S	F	AT	150	170.9	-20.9	-57.4	1
5-524-4	S	F	AT	184	170.9	13.1	36.0	1
5-524-5	S	F	AT	173	170.9	2.1	5.8	1
5-524-6	S	F	AT	172	170.9	1.1	3.0	1
5-524-7	S	W	CB	130	223.9	-93.9	-257.8	1
5-524-8	S	W	CB	166	223.9	-57.9	-158.9	1
5-524-9	S	W	CB	158	223.9	-65.9	-180.9	1
5-524-10	S	W	CB	150	223.9	-73.9	-202.9	1
5-524-11	S	W	CB	156	223.9	-67.9	-186.4	1
5-524-12	S	W	CB	259	223.9	35.1	96.4	1
5-524-13	S	W	CB	171	223.9	-52.9	-145.2	1
5-524-14	S	W	CB	273	223.9	49.1	134.8	1
5-524-15	S	W	CB	224	223.9	0.1	0.3	1
5-524-16	S	W	CB	178	223.9	-45.9	-126.0	1
5-524-17	S	W	CB	215	223.9	-8.9	-24.4	1

Mean	-61.7
Median	-35.4
Minimum	-257.8
Maximum	134.8
Std Dev (1s)	114.3
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-525A

Structure Sign Test Results

Survey Date:	11/2/2007
Room:	525-A
MARSSIM Class:	1
SU DCCL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-525A-1	S	F	AT	3	1.8	1.2	4.8	1
5-525A-2	S	F	AT	0	1.8	-1.8	-7.2	1
5-525A-3	S	F	AT	1	1.8	-0.8	-3.2	1
5-525A-4	S	F	AT	1	1.8	-0.8	-3.2	1
5-525A-5	S	F	AT	2	1.8	0.2	0.8	1
5-525A-6	S	F	AT	1	1.8	-0.8	-3.2	1
5-525A-7	S	W	CB	1	1.1	-0.1	-0.4	1
5-525A-8	S	W	CB	1	1.1	-0.1	-0.4	1
5-525A-9	S	W	CB	2	1.1	0.9	3.6	1
5-525A-10	S	W	CB	3	1.1	1.9	7.6	1
5-525A-11	S	W	CB	1	1.1	-0.1	-0.4	1
5-525A-12	S	W	CB	1	1.1	-0.1	-0.4	1
5-525A-13	S	W	CB	0	1.1	-1.1	-4.4	1
5-525A-14	S	W	CB	1	1.1	-0.1	-0.4	1
5-525A-15	S	W	CB	2	1.1	0.9	3.6	1
5-525A-16	S	W	CB	2	1.1	0.9	3.6	1
5-525A-17	S	W	CB	1	1.1	-0.1	-0.4	1

Mean	0.0
Median	-0.4
Minimum	-7.2
Maximum	7.6
Std Dev (1s)	3.7
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCCL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	11/2/2007
Room:	525-A
MARSSIM Class:	I
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

SU Description: Floor and Walls					Static Count Time (min):		1.0	
					Daily BKGD Count Time (min):		1.0	
Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-525A-1	S	F	AT	213	170.9	42.1	115.6	1
5-525A-2	S	F	AT	170	170.9	-0.9	-2.5	1
5-525A-3	S	F	AT	195	170.9	24.1	66.2	1
5-525A-4	S	F	AT	205	170.9	34.1	93.6	1
5-525A-5	S	F	AT	185	170.9	14.1	38.7	1
5-525A-6	S	F	AT	185	170.9	14.1	38.7	1
5-525A-7	S	W	CB	171	223.9	-52.9	-145.2	1
5-525A-8	S	W	CB	181	223.9	-42.9	-117.8	1
5-525A-9	S	W	CB	165	223.9	-58.9	-161.7	1
5-525A-10	S	W	CB	200	223.9	-23.9	-65.6	1
5-525A-11	S	W	CB	254	223.9	30.1	82.6	1
5-525A-12	S	W	CB	232	223.9	8.1	22.2	1
5-525A-13	S	W	CB	192	223.9	-31.9	-87.6	1
5-525A-14	S	W	CB	222	223.9	-1.9	-5.2	1
5-525A-15	S	W	CB	238	223.9	14.1	38.7	1
5-525A-16	S	W	CB	239	223.9	15.1	41.5	1
5-525A-17	S	W	CB	227	223.9	3.1	8.5	1
					Mean	-2.3		
					Median	22.2		
					Minimum	-161.7		
					Maximum	115.6		
					Std Dev (1s)	84.1		
					MARSSIM Sign Test Required?	NO		
					MARSSIM SIGN TEST EVALUATION			
					Sum of Positive Signs			17
					Sign Test Critical Value n=			12
					Null Hypothesis Evaluation			Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-525B

Structure Sign Test Results

Survey Date:	11/2/2007
Room:	525-B
MARSSIM Class:	1
SU DCG _{Lw} (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-525B-1	S	F	AT	8	1.8	6.2	24.8	1
5-525B-2	S	F	AT	7	1.8	5.2	20.8	1
5-525B-3	S	F	AT	2	1.8	0.2	0.8	1
5-525B-4	S	W	CB	5	1.1	3.9	15.6	1
5-525B-5	S	W	CB	15	1.1	13.9	55.6	1
5-525B-6	S	W	CB	6	1.1	4.9	19.6	1
5-525B-7	S	W	CB	11	1.1	9.9	39.6	1
5-525B-8	S	W	CB	6	1.1	4.9	19.6	1
5-525B-9	S	W	CB	8	1.1	6.9	27.6	1
5-525B-10	S	W	CB	4	1.1	2.9	11.6	1
5-525B-11	S	W	CB	8	1.1	6.9	27.6	1
5-525B-12	S	W	CB	6	1.1	4.9	19.6	1
5-525B-13	S	W	CB	3	1.1	1.9	7.6	1
5-525B-14	S	W	CB	8	1.1	6.9	27.6	1
5-525B-15	S	W	CB	4	1.1	2.9	11.6	1
5-525B-16	S	W	CB	10	1.1	8.9	35.6	1
5-525B-17	S	W	CB	5	1.1	3.9	15.6	1

Mean	22.4
Median	19.6
Minimum	0.8
Maximum	55.6
Std Dev (1s)	13.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCG_{Lw}, Sign = -1, otherwise 1.

Survey Unit 5-525B

Structure Sign Test Results

Survey Date:	11/2/2007
Room:	525-B
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-525B-1	S	F	AT	227	170.9	56.1	154.0	1
5-525B-2	S	F	AT	185	170.9	14.1	38.7	1
5-525B-3	S	F	AT	214	170.9	43.1	118.3	1
5-525B-4	S	W	CB	221	223.9	-2.9	-8.0	1
5-525B-5	S	W	CB	289	223.9	65.1	178.7	1
5-525B-6	S	W	CB	220	223.9	-3.9	-10.7	1
5-525B-7	S	W	CB	209	223.9	-14.9	-40.9	1
5-525B-8	S	W	CB	182	223.9	-41.9	-115.0	1
5-525B-9	S	W	CB	160	223.9	-63.9	-175.4	1
5-525B-10	S	W	CB	153	223.9	-70.9	-194.6	1
5-525B-11	S	W	CB	176	223.9	-47.9	-131.5	1
5-525B-12	S	W	CB	171	223.9	-52.9	-145.2	1
5-525B-13	S	W	CB	203	223.9	-20.9	-57.4	1
5-525B-14	S	W	CB	249	223.9	25.1	68.9	1
5-525B-15	S	W	CB	260	223.9	36.1	99.1	1
5-525B-16	S	W	CB	248	223.9	24.1	66.2	1
5-525B-17	S	W	CB	160	223.9	-63.9	-175.4	1

Mean	-19.4
Median	-10.7
Minimum	-194.6
Maximum	178.7
Std Dev (Is)	122.4
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-526

Structure Sign Test Results

Survey Date:	3/19/2007
Room:	526
MARSSIM Class:	I
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-526-1	S	F	AT	8	1.8	6.2	24.8	1
5-526-2	S	F	AT	7	1.8	5.2	20.8	1
5-526-3	S	F	AT	2	1.8	0.2	0.8	1
5-526-4	S	F	AT	5	1.8	3.2	12.8	1
5-526-5	S	F	AT	15	1.8	13.2	52.8	1
5-526-6	S	F	AT	6	1.8	4.2	16.8	1
5-526-7	S	W	CB	11	1.1	9.9	39.6	1
5-526-8	S	W	CB	6	1.1	4.9	19.6	1
5-526-9	S	W	CB	8	1.1	6.9	27.6	1
5-526-10	S	W	CB	4	1.1	2.9	11.6	1
5-526-11	S	W	CB	8	1.1	6.9	27.6	1
5-526-12	S	W	CB	6	1.1	4.9	19.6	1
5-526-13	S	W	CB	3	1.1	1.9	7.6	1
5-526-14	S	W	CB	8	1.1	6.9	27.6	1
5-526-15	S	W	CB	4	1.1	2.9	11.6	1
5-526-16	S	W	CB	10	1.1	8.9	35.6	1
5-526-17	S	W	CB	5	1.1	3.9	15.6	1

Mean	21.9
Median	19.6
Minimum	0.8
Maximum	52.8
Std Dev (Is)	12.7
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-526

Structure Sign Test Results

Survey Date:	3/19/2007
Room:	526
MARSSIM Class:	1
SU DCGI _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ¹	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-526-1	S	F	AT	227	170.9	56.1	154.0	1
5-526-2	S	F	AT	185	170.9	14.1	38.7	1
5-526-3	S	F	AT	214	170.9	43.1	118.3	1
5-526-4	S	F	AT	221	170.9	50.1	137.5	1
5-526-5	S	F	AT	289	170.9	118.1	324.2	1
5-526-6	S	F	AT	220	170.9	49.1	134.8	1
5-526-7	S	W	CB	209	223.9	-14.9	-40.9	1
5-526-8	S	W	CB	182	223.9	-41.9	-115.0	1
5-526-9	S	W	CB	160	223.9	-63.9	-175.4	1
5-526-10	S	W	CB	153	223.9	-70.9	-194.6	1
5-526-11	S	W	CB	176	223.9	-47.9	-131.5	1
5-526-12	S	W	CB	171	223.9	-52.9	-145.2	1
5-526-13	S	W	CB	203	223.9	-20.9	-57.4	1
5-526-14	S	W	CB	249	223.9	25.1	68.9	1
5-526-15	S	W	CB	260	223.9	36.1	99.1	1
5-526-16	S	W	CB	248	223.9	24.1	66.2	1
5-526-17	S	W	CB	160	223.9	-63.9	-175.4	1

Mean	6.2
Median	38.7
Minimum	-194.6
Maximum	324.2
Std Dev (1s)	149.1
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGI_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	3/14/2007
Room:	527
MARSSIM Class:	1
SU DCGI _w (dpm/100cm ²):	500

Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-527-1	S	F	AT	5	1.8	3.2	12.8	1
5-527-2	S	F	AT	7	1.8	5.2	20.8	1
5-527-3	S	F	AT	3	1.8	1.2	4.8	1
5-527-4	S	W	CB	8	1.1	6.9	27.6	1
5-527-5	S	W	CB	6	1.1	4.9	19.6	1
5-527-6	S	W	CB	12	1.1	10.9	43.6	1
5-527-7	S	W	CB	4	1.1	2.9	11.6	1
5-527-8	S	W	CB	1	1.1	-0.1	-0.4	1
5-527-9	S	W	CB	10	1.1	8.9	35.6	1
5-527-10	S	W	CB	8	1.1	6.9	27.6	1
5-527-11	S	W	CB	10	1.1	8.9	35.6	1
5-527-12	S	W	CB	7	1.1	5.9	23.6	1
5-527-13	S	W	CB	6	1.1	4.9	19.6	1
5-527-14	S	W	CB	3	1.1	1.9	7.6	1
5-527-15	S	W	CB	4	1.1	2.9	11.6	1
5-527-16	S	W	CB	3	1.1	1.9	7.6	1
5-527-17	S	W	CB	7	1.1	5.9	23.6	1
5-527-18	S	W	CB	7	1.1	5.9	23.6	1

Mean	19.8
Median	20.2
Minimum	-0.4
Maximum	43.6
Std Dev (Is)	11.7
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	18
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGI_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	3/14/2007
Room:	527
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289
			126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-527-1	S	F	AT	250	170.9	79.1	217.1	1
5-527-2	S	F	AT	202	170.9	31.1	85.4	1
5-527-3	S	F	AT	222	170.9	51.1	140.3	1
5-527-4	S	W	CB	184	223.9	-39.9	-109.5	1
5-527-5	S	W	CB	154	223.9	-69.9	-191.9	1
5-527-6	S	W	CB	191	223.9	-32.9	-90.3	1
5-527-7	S	W	CB	144	223.9	-79.9	-219.3	1
5-527-8	S	W	CB	260	223.9	36.1	99.1	1
5-527-9	S	W	CB	266	223.9	42.1	115.6	1
5-527-10	S	W	CB	234	223.9	10.1	27.7	1
5-527-11	S	W	CB	192	223.9	-31.9	-87.6	1
5-527-12	S	W	CB	274	223.9	50.1	137.5	1
5-527-13	S	W	CB	292	223.9	68.1	187.0	1
5-527-14	S	W	CB	156	223.9	-67.9	-186.4	1
5-527-15	S	W	CB	158	223.9	-65.9	-180.9	1
5-527-16	S	W	CB	268	223.9	44.1	121.1	1
5-527-17	S	W	CB	249	223.9	25.1	68.9	1
5-527-18	S	W	CB	299	223.9	75.1	206.2	1

Mean	18.9
Median	77.1
Minimum	-219.3
Maximum	217.1
Std Dev (Is)	151.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	18
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during RSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-5281

Structure Sign Test Results

Survey Date:	3/14/2007
Room:	528-1
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	126
		Alpha Efficiency ¹	
		0.199	

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-5281-1	S	F	AT	0	1.8	-1.8	-7.2	1
5-5281-2	S	F	AT	0	1.8	-1.8	-7.2	1
5-5281-3	S	F	AT	0	1.8	-1.8	-7.2	1
5-5281-4	S	F	AT	2	1.8	0.2	0.8	1
5-5281-5	S	W	CB	0	1.1	-1.1	-4.4	1
5-5281-6	S	W	CB	0	1.1	-1.1	-4.4	1
5-5281-7	S	W	CB	1	1.1	-0.1	-0.4	1
5-5281-8	S	W	CB	1	1.1	-0.1	-0.4	1
5-5281-9	S	W	CB	1	1.1	-0.1	-0.4	1
5-5281-10	S	W	CB	0	1.1	-1.1	-4.4	1
5-5281-11	S	W	CB	0	1.1	-1.1	-4.4	1
5-5281-12	S	W	CB	2	1.1	0.9	3.6	1
5-5281-13	S	W	CB	2	1.1	0.9	3.6	1
5-5281-14	S	W	CB	0	1.1	-1.1	-4.4	1
5-5281-15	S	W	CB	3	1.1	1.9	7.6	1
5-5281-16	S	W	CB	1	1.1	-0.1	-0.4	1
5-5281-17	S	W	CB	3	1.1	1.9	7.6	1

Mean	-1.3
Median	-0.4
Minimum	-7.2
Maximum	7.6
Std Dev (1s)	4.8
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-528I

Structure Sign Test Results

Survey Date:	3/14/2007
Room:	528-I
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	126
			0.289

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type	Sample Location	Surface Material ¹	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-528I-1	S	F	AT	181	170.9	10.1	27.7	1
5-528I-2	S	F	AT	171	170.9	0.1	0.3	1
5-528I-3	S	F	AT	143	170.9	-27.9	-76.6	1
5-528I-4	S	F	AT	174	170.9	3.1	8.5	1
5-528I-5	S	W	CB	187	223.9	-36.9	-101.3	1
5-528I-6	S	W	CB	208	223.9	-15.9	-43.6	1
5-528I-7	S	W	CB	202	223.9	-21.9	-60.1	1
5-528I-8	S	W	CB	183	223.9	-40.9	-112.3	1
5-528I-9	S	W	CB	205	223.9	-18.9	-51.9	1
5-528I-10	S	W	CB	186	223.9	-37.9	-104.0	1
5-528I-11	S	W	CB	217	223.9	-6.9	-18.9	1
5-528I-12	S	W	CB	206	223.9	-17.9	-49.1	1
5-528I-13	S	W	CB	154	223.9	-69.9	-191.9	1
5-528I-14	S	W	CB	133	223.9	-90.9	-249.5	1
5-528I-15	S	W	CB	161	223.9	-62.9	-172.7	1
5-528I-16	S	W	CB	210	223.9	-13.9	-38.2	1
5-528I-17	S	W	CB	138	223.9	-85.9	-235.8	1

Mean	-86.4
Median	-60.1
Minimum	-249.5
Maximum	27.7
Std Dev (1s)	83.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-528T

Structure Sign Test Results

Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Survey Date:	10/26/2007
Room:	528-T
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-528T-1	S	F	AT	1	1.8	-0.8	-3.2	1
5-528T-2	S	F	AT	3	1.8	1.2	4.8	1
5-528T-3	S	F	AT	0	1.8	-1.8	-7.2	1
5-528T-4	S	F	AT	0	1.8	-1.8	-7.2	1
5-528T-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-528T-6	S	W	CB	1	1.1	-0.1	-0.4	1
5-528T-7	S	W	CB	1	1.1	-0.1	-0.4	1
5-528T-8	S	W	CB	0	1.1	-1.1	-4.4	1
5-528T-9	S	W	CB	3	1.1	1.9	7.6	1
5-528T-10	S	W	CB	1	1.1	-0.1	-0.4	1
5-528T-11	S	W	CB	1	1.1	-0.1	-0.4	1
5-528T-12	S	W	CB	1	1.1	-0.1	-0.4	1
5-528T-13	S	W	CB	3	1.1	1.9	7.6	1
5-528T-14	S	W	CB	4	1.1	2.9	11.6	1
5-528T-15	S	W	CB	2	1.1	0.9	3.6	1
5-528T-16	S	W	CB	2	1.1	0.9	3.6	1
5-528T-17	S	W	CB	4	1.1	2.9	11.6	1

Mean	1.4
Median	-0.4
Minimum	-7.2
Maximum	11.6
Std Dev (1s)	5.8
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-528T

Structure Sign Test Results

Survey Date:	10/26/2007
Room:	528-T
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	126
		Beta Efficiency ¹	
		0.289	

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-528T-1	S	F	AT	160	170.9	-10.9	-29.9	1
5-528T-2	S	F	AT	176	170.9	5.1	14.0	1
5-528T-3	S	F	AT	179	170.9	8.1	22.2	1
5-528T-4	S	F	AT	198	170.9	27.1	74.4	1
5-528T-5	S	F	AT	181	170.9	10.1	27.7	1
5-528T-6	S	W	CB	149	223.9	-74.9	-205.6	1
5-528T-7	S	W	CB	151	223.9	-72.9	-200.1	1
5-528T-8	S	W	CB	183	223.9	-40.9	-112.3	1
5-528T-9	S	W	CB	155	223.9	-68.9	-189.1	1
5-528T-10	S	W	CB	157	223.9	-66.9	-183.7	1
5-528T-11	S	W	CB	174	223.9	-49.9	-137.0	1
5-528T-12	S	W	CB	202	223.9	-21.9	-60.1	1
5-528T-13	S	W	CB	287	223.9	63.1	173.2	1
5-528T-14	S	W	CB	213	223.9	-10.9	-29.9	1
5-528T-15	S	W	CB	220	223.9	-3.9	-10.7	1
5-528T-16	S	W	CB	190	223.9	-33.9	-93.1	1
5-528T-17	S	W	CB	156	223.9	-67.9	-186.4	1

Mean	-66.3
Median	-60.1
Minimum	-205.6
Maximum	173.2
Std Dev (1s)	110.3
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	536
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/Probe Models	Instrument S/N	Probe S/N	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199
			126

Static Count Time (min):	1.0
Daily BKG Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-536-1	S	F	AT	2	1.8	0.2	0.8	1
5-536-2	S	F	AT	1	1.8	-0.8	-3.2	1
5-536-3	S	F	AT	1	1.8	-0.8	-3.2	1
5-536-4	S	F	AT	3	1.8	1.2	4.8	1
5-536-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-536-6	S	F	AT	4	1.8	2.2	8.8	1
5-536-7	S	F	AT	0	1.8	-1.8	-7.2	1
5-536-8	S	W	CB	1	1.1	-0.1	-0.4	1
5-536-9	S	W	CB	3	1.1	1.9	7.6	1
5-536-10	S	W	CB	0	1.1	-1.1	-4.4	1
5-536-11	S	W	CB	0	1.1	-1.1	-4.4	1
5-536-12	S	W	CB	0	1.1	-1.1	-4.4	1
5-536-13	S	W	CB	0	1.1	-1.1	-4.4	1
5-536-14	S	W	CB	3	1.1	1.9	7.6	1
5-536-15	S	W	CB	0	1.1	-1.1	-4.4	1
5-536-16	S	W	CB	2	1.1	0.9	3.6	1
5-536-17	S	W	CB	3	1.1	1.9	7.6	1

Mean	0.1
Median	-3.2
Minimum	-7.2
Maximum	8.8
Std Dev (1s)	5.4
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	536
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-536-1	S	F	AT	165	170.9	-5.9	-16.2	1
5-536-2	S	F	AT	142	170.9	-28.9	-79.3	1
5-536-3	S	F	AT	153	170.9	-17.9	-49.1	1
5-536-4	S	F	AT	159	170.9	-11.9	-32.7	1
5-536-5	S	F	AT	160	170.9	-10.9	-29.9	1
5-536-6	S	F	AT	158	170.9	-12.9	-35.4	1
5-536-7	S	F	AT	161	170.9	-9.9	-27.2	1
5-536-8	S	W	CB	145	223.9	-78.9	-216.6	1
5-536-9	S	W	CB	158	223.9	-65.9	-180.9	1
5-536-10	S	W	CB	177	223.9	-46.9	-128.8	1
5-536-11	S	W	CB	143	223.9	-80.9	-222.1	1
5-536-12	S	W	CB	103	223.9	-120.9	-331.9	1
5-536-13	S	W	CB	119	223.9	-104.9	-288.0	1
5-536-14	S	W	CB	117	223.9	-106.9	-293.5	1
5-536-15	S	W	CB	156	223.9	-67.9	-186.4	1
5-536-16	S	W	CB	144	223.9	-79.9	-219.3	1
5-536-17	S	W	CB	166	223.9	-57.9	-158.9	1

Mean	-146.8
Median	-158.9
Minimum	-331.9
Maximum	-16.2
Std Dev (1s)	105.8
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-538

Structure Sign Test Results

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Survey Date:	3/13/2007
Room:	538
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Static Count Time (min):	1.0
Daily BKG Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-538-1	S	F	AT	0	1.8	-1.8	-7.2	1
5-538-2	S	F	AT	0	1.8	-1.8	-7.2	1
5-538-3	S	F	AT	5	1.8	3.2	12.8	1
5-538-4	S	F	AT	1	1.8	-0.8	-3.2	1
5-538-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-538-6	S	F	AT	0	1.8	-1.8	-7.2	1
5-538-7	S	F	AT	2	1.8	0.2	0.8	1
5-538-8	S	F	AT	0	1.8	-1.8	-7.2	1
5-538-9	S	W	CB	0	1.1	-1.1	-4.4	1
5-538-10	S	W	CB	0	1.1	-1.1	-4.4	1
5-538-11	S	W	CB	1	1.1	-0.1	-0.4	1
5-538-12	S	W	CB	2	1.1	0.9	3.6	1
5-538-13	S	W	CB	2	1.1	0.9	3.6	1
5-538-14	S	W	CB	2	1.1	0.9	3.6	1
5-538-15	S	W	CB	2	1.1	0.9	3.6	1
5-538-16	S	W	CB	2	1.1	0.9	3.6	1
5-538-17	S	W	CB	1	1.1	-0.1	-0.4	1

Mean	-0.8
Median	-0.4
Minimum	-7.2
Maximum	12.8
Std Dev (1s)	5.5
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	538
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-538-1	S	F	AT	155	170.9	-15.9	-43.6	1
5-538-2	S	F	AT	162	170.9	-8.9	-24.4	1
5-538-3	S	F	AT	110	170.9	-60.9	-167.2	1
5-538-4	S	F	AT	151	170.9	-19.9	-54.6	1
5-538-5	S	F	AT	159	170.9	-11.9	-32.7	1
5-538-6	S	F	AT	169	170.9	-1.9	-5.2	1
5-538-7	S	F	AT	127	170.9	-43.9	-120.5	1
5-538-8	S	F	AT	166	170.9	-4.9	-13.5	1
5-538-9	S	W	CB	233	223.9	9.1	25.0	1
5-538-10	S	W	CB	135	223.9	-88.9	-244.1	1
5-538-11	S	W	CB	259	223.9	35.1	96.4	1
5-538-12	S	W	CB	300	223.9	76.1	208.9	1
5-538-13	S	W	CB	270	223.9	46.1	126.6	1
5-538-14	S	W	CB	159	223.9	-64.9	-178.2	1
5-538-15	S	W	CB	124	223.9	-99.9	-274.3	1
5-538-16	S	W	CB	211	223.9	-12.9	-35.4	1
5-538-17	S	W	CB	130	223.9	-93.9	-257.8	1

Mean	-58.5
Median	-35.4
Minimum	-274.3
Maximum	208.9
Std Dev (1s)	135.7
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-541A

Structure Sign Test Results

Survey Date:	10/22/2007
Room:	541-A
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross/cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-541A-1	S	F	AT	1	1.8	-0.8	-3.2	1
5-541A-2	S	F	AT	0	1.8	-1.8	-7.2	1
5-541A-3	S	F	AT	1	1.8	-0.8	-3.2	1
5-541A-4	S	F	AT	0	1.8	-1.8	-7.2	1
5-541A-5	S	F	AT	0	1.8	-1.8	-7.2	1
5-541A-6	S	F	AT	2	1.8	0.2	0.8	1
5-541A-7	S	F	AT	0	1.8	-1.8	-7.2	1
5-541A-8	S	W	CB	1	1.1	-0.1	-0.4	1
5-541A-9	S	W	CB	3	1.1	1.9	7.6	1
5-541A-10	S	W	CB	0	1.1	-1.1	-4.4	1
5-541A-11	S	W	CB	0	1.1	-1.1	-4.4	1
5-541A-12	S	W	CB	1	1.1	-0.1	-0.4	1
5-541A-13	S	W	CB	1	1.1	-0.1	-0.4	1
5-541A-14	S	W	CB	3	1.1	1.9	7.6	1
5-541A-15	S	W	CB	3	1.1	1.9	7.6	1
5-541A-16	S	W	CB	0	1.1	-1.1	-4.4	1
5-541A-17	S	W	CB	1	1.1	-0.1	-0.4	1

Mean	-1.6
Median	-3.2
Minimum	-7.2
Maximum	7.6
Std Dev (1s)	5.1
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	10/22/2007
Room:	541-A
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-541A-1	S	F	AT	173	170.9	2.1	5.8	1
5-541A-2	S	F	AT	157	170.9	-13.9	-38.2	1
5-541A-3	S	F	AT	170	170.9	-0.9	-2.5	1
5-541A-4	S	F	AT	207	170.9	36.1	99.1	1
5-541A-5	S	F	AT	157	170.9	-13.9	-38.2	1
5-541A-6	S	F	AT	148	170.9	-22.9	-62.9	1
5-541A-7	S	F	AT	168	170.9	-2.9	-8.0	1
5-541A-8	S	W	CB	240	223.9	16.1	44.2	1
5-541A-9	S	W	CB	183	223.9	-40.9	-112.3	1
5-541A-10	S	W	CB	278	223.9	54.1	148.5	1
5-541A-11	S	W	CB	240	223.9	16.1	44.2	1
5-541A-12	S	W	CB	241	223.9	17.1	46.9	1
5-541A-13	S	W	CB	177	223.9	-46.9	-128.8	1
5-541A-14	S	W	CB	240	223.9	16.1	44.2	1
5-541A-15	S	W	CB	127	223.9	-96.9	-266.0	1
5-541A-16	S	W	CB	278	223.9	54.1	148.5	1
5-541A-17	S	W	CB	245	223.9	21.1	57.9	1

Mean	-1.0
Median	5.8
Minimum	-266.0
Maximum	148.5
Std Dev (1s)	103.8
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-541B

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	541-B
MARSSIM Class:	I
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

SU Description: Floor and Walls					Static Count Time (min):			
					Daily BKGD Count Time (min):	1.0		
					Daily BKGD Count Time (min):	1.0		
Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-541B-1	S	F	AT	2	1.8	0.2	0.8	1
5-541B-2	S	F	AT	2	1.8	0.2	0.8	1
5-541B-3	S	F	AT	1	1.8	-0.8	-3.2	1
5-541B-4	S	F	AT	3	1.8	1.2	4.8	1
5-541B-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-541B-6	S	F	AT	0	1.8	-1.8	-7.2	1
5-541B-7	S	W	CB	1	1.1	-0.1	-0.4	1
5-541B-8	S	W	CB	1	1.1	-0.1	-0.4	1
5-541B-9	S	W	CB	2	1.1	0.9	3.6	1
5-541B-10	S	W	CB	0	1.1	-1.1	-4.4	1
5-541B-11	S	W	CB	0	1.1	-1.1	-4.4	1
5-541B-12	S	W	CB	2	1.1	0.9	3.6	1
5-541B-13	S	W	CB	1	1.1	-0.1	-0.4	1
5-541B-14	S	W	CB	1	1.1	-0.1	-0.4	1
5-541B-15	S	W	CB	0	1.1	-1.1	-4.4	1
5-541B-16	S	W	CB	0	1.1	-1.1	-4.4	1
5-541B-17	S	W	CB	1	1.1	-0.1	-0.4	1

Mean	-1.2
Median	-0.4
Minimum	-7.2
Maximum	4.8
Std Dev (1s)	3.3
MARSSIM Sign Test Required?	NO

MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -I, otherwise 1.

Survey Unit 5-541B

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	541-B
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-541B-1	S	F	AT	174	170.9	3.1	8.5	1
5-541B-2	S	F	AT	188	170.9	17.1	46.9	1
5-541B-3	S	F	AT	240	170.9	69.1	189.7	1
5-541B-4	S	F	AT	186	170.9	15.1	41.5	1
5-541B-5	S	F	AT	165	170.9	-5.9	-16.2	1
5-541B-6	S	F	AT	151	170.9	-19.9	-54.6	1
5-541B-7	S	W	CB	243	223.9	19.1	52.4	1
5-541B-8	S	W	CB	246	223.9	22.1	60.7	1
5-541B-9	S	W	CB	247	223.9	23.1	63.4	1
5-541B-10	S	W	CB	224	223.9	0.1	0.3	1
5-541B-11	S	W	CB	224	223.9	0.1	0.3	1
5-541B-12	S	W	CB	211	223.9	-12.9	-35.4	1
5-541B-13	S	W	CB	256	223.9	32.1	88.1	1
5-541B-14	S	W	CB	351	223.9	127.1	348.9	1
5-541B-15	S	W	CB	394	223.9	170.1	467.0	1
5-541B-16	S	W	CB	375	223.9	151.1	414.8	1
5-541B-17	S	W	CB	255	223.9	31.1	85.4	1

Mean	103.6
Median	52.4
Minimum	-54.6
Maximum	467.0
Std Dev (1s)	158.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-541C

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	541-C
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign-Test Parameter ⁶
5-541C-1	S	F	AT	1	1.8	-0.8	-3.2	1
5-541C-2	S	F	AT	2	1.8	0.2	0.8	1
5-541C-3	S	F	AT	3	1.8	1.2	4.8	1
5-541C-4	S	F	AT	5	1.8	3.2	12.8	1
5-541C-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-541C-6	S	F	AT	1	1.8	-0.8	-3.2	1
5-541C-7	S	W	CB	0	1.1	-1.1	-4.4	1
5-541C-8	S	W	CB	0	1.1	-1.1	-4.4	1
5-541C-9	S	W	CB	1	1.1	-0.1	-0.4	1
5-541C-10	S	W	CB	2	1.1	0.9	3.6	1
5-541C-11	S	W	CB	0	1.1	-1.1	-4.4	1
5-541C-12	S	W	CB	0	1.1	-1.1	-4.4	1
5-541C-13	S	W	CB	1	1.1	-0.1	-0.4	1
5-541C-14	S	W	CB	0	1.1	-1.1	-4.4	1
5-541C-15	S	W	CB	2	1.1	0.9	3.6	1
5-541C-16	S	W	CB	2	1.1	0.9	3.6	1
5-541C-17	S	W	CB	1	1.1	-0.1	-0.4	1

Mean	-0.2
Median	-0.4
Minimum	-4.4
Maximum	12.8
Std Dev (1s)	4.7
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-541C

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	541-C
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-541C-1	S	F	AT	125	170.9	-45.9	-126.0	1
5-541C-2	S	F	AT	185	170.9	14.1	38.7	1
5-541C-3	S	F	AT	165	170.9	-5.9	-16.2	1
5-541C-4	S	F	AT	188	170.9	17.1	46.9	1
5-541C-5	S	F	AT	174	170.9	3.1	8.5	1
5-541C-6	S	F	AT	139	170.9	-31.9	-87.6	1
5-541C-7	S	W	CB	225	223.9	1.1	3.0	1
5-541C-8	S	W	CB	144	223.9	-79.9	-219.3	1
5-541C-9	S	W	CB	123	223.9	-100.9	-277.0	1
5-541C-10	S	W	CB	138	223.9	-85.9	-235.8	1
5-541C-11	S	W	CB	136	223.9	-87.9	-241.3	1
5-541C-12	S	W	CB	244	223.9	20.1	55.2	1
5-541C-13	S	W	CB	252	223.9	28.1	77.1	1
5-541C-14	S	W	CB	263	223.9	39.1	107.3	1
5-541C-15	S	W	CB	259	223.9	35.1	96.4	1
5-541C-16	S	W	CB	174	223.9	-49.9	-137.0	1
5-541C-17	S	W	CB	123	223.9	-100.9	-277.0	1

Mean	-69.6
Median	-16.2
Minimum	-277.0
Maximum	107.3
Std Dev (1s)	139.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-554B2

Structure Sign Test Results

Survey Date:	10/31/2007
Room:	554-B2
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-554B2-1	S	F	AT	0	1.8	-1.8	-7.2	1
5-554B2-2	S	F	AT	3	1.8	1.2	4.8	1
5-554B2-3	S	F	AT	3	1.8	1.2	4.8	1
5-554B2-4	S	F	AT	1	1.8	-0.8	-3.2	1
5-554B2-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-554B2-6	S	F	AT	0	1.8	-1.8	-7.2	1
5-554B2-7	S	F	AT	3	1.8	1.2	4.8	1
5-554B2-8	S	W	CB	3	1.1	1.9	7.6	1
5-554B2-9	S	W	CB	1	1.1	-0.1	-0.4	1
5-554B2-10	S	W	CB	3	1.1	1.9	7.6	1
5-554B2-11	S	W	CB	1	1.1	-0.1	-0.4	1
5-554B2-12	S	W	CB	2	1.1	0.9	3.6	1
5-554B2-13	S	W	CB	1	1.1	-0.1	-0.4	1
5-554B2-14	S	W	CB	0	1.1	-1.1	-4.4	1
5-554B2-15	S	W	CB	3	1.1	1.9	7.6	1
5-554B2-16	S	W	CB	0	1.1	-1.1	-4.4	1
5-554B2-17	S	W	CB	6	1.1	4.9	19.6	1

Mean	1.7
Median	-0.4
Minimum	-7.2
Maximum	19.6
Std Dev (1s)	6.8
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	10/31/2007
Room:	554-B2
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls					Static Count Time (min):			
					Daily BKGD Count Time (min):			
					1.0			
					1.0			
Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-554B2-1	S	F	AT	132	170.9	-38.9	-106.8	1
5-554B2-2	S	F	AT	162	170.9	-8.9	-24.4	1
5-554B2-3	S	F	AT	133	170.9	-37.9	-104.0	1
5-554B2-4	S	F	AT	163	170.9	-7.9	-21.7	1
5-554B2-5	S	F	AT	148	170.9	-22.9	-62.9	1
5-554B2-6	S	F	AT	72	170.9	-98.9	-271.5	1
5-554B2-7	S	F	AT	200	170.9	29.1	79.9	1
5-554B2-8	S	W	CB	236	223.9	12.1	33.2	1
5-554B2-9	S	W	CB	216	223.9	-7.9	-21.7	1
5-554B2-10	S	W	CB	133	223.9	-90.9	-249.5	1
5-554B2-11	S	W	CB	104	223.9	-119.9	-329.2	1
5-554B2-12	S	W	CB	42	223.9	-181.9	-499.4	1
5-554B2-13	S	W	CB	196	223.9	-27.9	-76.6	1
5-554B2-14	S	W	CB	203	223.9	-20.9	-57.4	1
5-554B2-15	S	W	CB	236	223.9	12.1	33.2	1
5-554B2-16	S	W	CB	252	223.9	28.1	77.1	1
5-554B2-17	S	W	CB	222	223.9	-1.9	-5.2	1
					Mean	-94.5		
					Median	-57.4		
					Minimum	-499.4		
					Maximum	79.9		
					Std Dev (1s)	156.8		
					MARSSIM Sign Test Required?	NO		
					MARSSIM SIGN TEST EVALUATION			
					Sum of Positive Signs	17		
					Sign Test Critical Value n=	17		
					Null Hypothesis Evaluation	Rejected		

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-554V

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	554-V
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-554V-1	S	F	AT	1	1.8	-0.8	-3.2	1
5-554V-2	S	F	AT	0	1.8	-1.8	-7.2	1
5-554V-3	S	F	AT	0	1.8	-1.8	-7.2	1
5-554V-4	S	F	AT	0	1.8	-1.8	-7.2	1
5-554V-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-554V-6	S	W	CB	2	1.1	0.9	3.6	1
5-554V-7	S	W	CB	1	1.1	-0.1	-0.4	1
5-554V-8	S	W	CB	2	1.1	0.9	3.6	1
5-554V-9	S	W	CB	2	1.1	0.9	3.6	1
5-554V-10	S	W	CB	0	1.1	-1.1	-4.4	1
5-554V-11	S	W	CB	1	1.1	-0.1	-0.4	1
5-554V-12	S	W	CB	0	1.1	-1.1	-4.4	1
5-554V-13	S	W	CB	0	1.1	-1.1	-4.4	1
5-554V-14	S	W	CB	1	1.1	-0.1	-0.4	1
5-554V-15	S	W	CB	1	1.1	-0.1	-0.4	1
5-554V-16	S	W	CB	0	1.1	-1.1	-4.4	1
5-554V-17	S	W	CB	0	1.1	-1.1	-4.4	1
5-554V-18	S	W	CB	0	1.1	-1.1	-4.4	1
5-554V-19	S	W	CB	0	1.1	-1.1	-4.4	1

Mean	-2.6
Median	-4.4
Minimum	-7.2
Maximum	3.6
Std Dev (1s)	3.5
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	19
Sign Test Critical Value n=	13
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	3/13/2007
Room:	554-V
MARSSIM Class:	I
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-554V-1	S	F	AT	143	170.9	-27.9	-76.6	1
5-554V-2	S	F	AT	164	170.9	-6.9	-18.9	1
5-554V-3	S	F	AT	188	170.9	17.1	46.9	1
5-554V-4	S	F	AT	155	170.9	-15.9	-43.6	1
5-554V-5	S	F	AT	181	170.9	10.1	27.7	1
5-554V-6	S	W	CB	238	223.9	14.1	38.7	1
5-554V-7	S	W	CB	194	223.9	-29.9	-82.1	1
5-554V-8	S	W	CB	217	223.9	-6.9	-18.9	1
5-554V-9	S	W	CB	222	223.9	-1.9	-5.2	1
5-554V-10	S	W	CB	201	223.9	-22.9	-62.9	1
5-554V-11	S	W	CB	141	223.9	-82.9	-227.6	1
5-554V-12	S	W	CB	186	223.9	-37.9	-104.0	1
5-554V-13	S	W	CB	128	223.9	-95.9	-263.3	1
5-554V-14	S	W	CB	221	223.9	-2.9	-8.0	1
5-554V-15	S	W	CB	228	223.9	4.1	11.3	1
5-554V-16	S	W	CB	258	223.9	34.1	93.6	1
5-554V-17	S	W	CB	231	223.9	7.1	19.5	1
5-554V-18	S	W	CB	222	223.9	-1.9	-5.2	1
5-554V-19	S	W	CB	224	223.9	0.1	0.3	1

Mean -35.7
Median -8.0
Minimum -263.3
Maximum 93.6
Std Dev (1s) 88.4

MARSSIM Sign Test Required?

NO

MARSSIM SIGN TEST EVALUATION

Sum of Positive Signs

Sign Test Critical Value n=

Null Hypothesis Evaluation

19

13

Rejected

NOTES:

1 Instrument Efficiency = Instrument static 4-pi efficiency for Alpha

2 Sample Type: S = Systematic R = Random B = Biased

3 Sample Location: F = Floor W = Wall C = Ceiling S = Shelf

4 Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)

5 Average of background readings collected in unimpacted areas for each building surface encountered during FSS

6 MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-RL

Structure Sign Test Results

Survey Date:	3/22/2007
Room:	5th Floor
MARSSIM Class:	2
SU DCCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-RL-1	S	F	AT	0	1.8	-1.8	-7.2	1
5-RL-2	S	W	CB	0	1.1	-1.1	-4.4	1
5-RL-3	S	W	CB	1	1.1	-0.1	-0.4	1
5-RL-4	S	F	AT	0	1.8	-1.8	-7.2	1
5-RL-5	S	F	AT	0	1.8	-1.8	-7.2	1
5-RL-6	S	W	CB	1	1.1	-0.1	-0.4	1
5-RL-7	S	W	CB	0	1.1	-1.1	-4.4	1
5-RL-8	S	W	CB	1	1.1	-0.1	-0.4	1
5-RL-9	S	W	CB	0	1.1	-1.1	-4.4	1
5-RL-10	S	F	AT	2	1.8	0.2	0.8	1
5-RL-11	S	F	AT	2	1.8	0.2	0.8	1
5-RL-12	S	F	AT	0	1.8	-1.8	-7.2	1
5-RL-13	S	F	AT	1	1.8	-0.8	-3.2	1
5-RL-14	S	F	AT	1	1.8	-0.8	-3.2	1
5-RL-15	S	F	AT	1	1.8	-0.8	-3.2	1
5-RL-16	S	F	AT	1	1.8	-0.8	-3.2	1
5-RL-17	S	F	AT	2	1.8	0.2	0.8	1

Mean	-3.2
Median	-3.2
Minimum	-7.2
Maximum	0.8
Std Dev (1s)	3.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-RL

Structure Sign Test Results

Survey Date:	3/22/2007
Room:	5th Floor
MARSSIM Class:	2
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-RL-1	S	F	AT	145	170.9	-25.9	-71.1	1
5-RL-2	S	W	CB	187	223.9	-36.9	-101.3	1
5-RL-3	S	W	CB	215	223.9	-8.9	-24.4	1
5-RL-4	S	F	AT	180	170.9	9.1	25.0	1
5-RL-5	S	F	AT	141	170.9	-29.9	-82.1	1
5-RL-6	S	W	CB	197	223.9	-26.9	-73.8	1
5-RL-7	S	W	CB	178	223.9	-45.9	-126.0	1
5-RL-8	S	W	CB	218	223.9	-5.9	-16.2	1
5-RL-9	S	W	CB	219	223.9	-4.9	-13.5	1
5-RL-10	S	F	AT	149	170.9	-21.9	-60.1	1
5-RL-11	S	F	AT	157	170.9	-13.9	-38.2	1
5-RL-12	S	F	AT	174	170.9	3.1	8.5	1
5-RL-13	S	F	AT	135	170.9	-35.9	-98.6	1
5-RL-14	S	F	AT	137	170.9	-33.9	-93.1	1
5-RL-15	S	F	AT	165	170.9	-5.9	-16.2	1
5-RL-16	S	F	AT	160	170.9	-10.9	-29.9	1
5-RL-17	S	F	AT	142	170.9	-28.9	-79.3	1

Mean	-52.4
Median	-60.1
Minimum	-126.0
Maximum	25.0
Std Dev (1s)	42.9
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during PSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-R3

Structure Sign Test Results

Survey Date:	11/7/2007
Room:	5th Floor
MARSSIM Class:	3
SU DCGL _w (dpm/100cm ²):	500

Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-R3-1	S	F	AT	2	1.8	0.2	0.8	1
5-R3-2	S	F	AT	3	1.8	1.2	4.8	1
5-R3-3	S	F	AT	3	1.8	1.2	4.8	1
5-R3-4	S	F	AT	4	1.8	2.2	8.8	1
5-R3-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-R3-6	S	F	AT	1	1.8	-0.8	-3.2	1
5-R3-7	S	F	AT	4	1.8	2.2	8.8	1
5-R3-8	S	F	AT	0	1.8	-1.8	-7.2	1
5-R3-9	S	F	AT	3	1.8	1.2	4.8	1
5-R3-10	S	F	AT	2	1.8	0.2	0.8	1
5-R3-11	S	F	AT	3	1.8	1.2	4.8	1
5-R3-12	S	F	AT	2	1.8	0.2	0.8	1
5-R3-13	S	F	AT	5	1.8	3.2	12.8	1
5-R3-14	S	F	AT	3	1.8	1.2	4.8	1
5-R3-15	S	F	AT	4	1.8	2.2	8.8	1
5-R3-16	S	F	AT	4	1.8	2.2	8.8	1
5-R3-17	S	F	AT	3	1.8	1.2	4.8	1

Mean	3.9
Median	4.8
Minimum	-7.2
Maximum	12.8
Std Dev (1s)	5.2
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-R3

Structure Sign Test Results

Survey Date:	11/7/2007
Room:	5th Floor
MARSSIM Class:	3
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-R3-1	S	F	AT	218	170.9	47.1	129.3	1
5-R3-2	S	F	AT	165	170.9	-5.9	-16.2	1
5-R3-3	S	F	AT	183	170.9	12.1	33.2	1
5-R3-4	S	F	AT	210	170.9	39.1	107.3	1
5-R3-5	S	F	AT	163	170.9	-7.9	-21.7	1
5-R3-6	S	F	AT	182	170.9	11.1	30.5	1
5-R3-7	S	F	AT	200	170.9	29.1	79.9	1
5-R3-8	S	F	AT	166	170.9	-4.9	-13.5	1
5-R3-9	S	F	AT	185	170.9	14.1	38.7	1
5-R3-10	S	F	AT	143	170.9	-27.9	-76.6	1
5-R3-11	S	F	AT	195	170.9	24.1	66.2	1
5-R3-12	S	F	AT	194	170.9	23.1	63.4	1
5-R3-13	S	F	AT	165	170.9	-5.9	-16.2	1
5-R3-14	S	F	AT	143	170.9	-27.9	-76.6	1
5-R3-15	S	F	AT	203	170.9	32.1	88.1	1
5-R3-16	S	F	AT	171	170.9	0.1	0.3	1
5-R3-17	S	F	AT	151	170.9	-19.9	-54.6	1

Mean	21.3
Median	30.5
Minimum	-76.6
Maximum	129.3
Std Dev (1s)	62.5
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-SMG

Structure Sign Test Results

Survey Date:	3/16/2007
Room:	5th Floor
MARSSIM Class:	2
SU DCL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKG Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-SMG-1	S	F	AT	0	1.8	-1.8	-7.2	1
5-SMG-2	S	W	CB	2	1.1	0.9	3.6	1
5-SMG-3	S	W	CB	0	1.1	-1.1	-4.4	1
5-SMG-4	S	F	AT	0	1.8	-1.8	-7.2	1
5-SMG-5	S	F	AT	0	1.8	-1.8	-7.2	1
5-SMG-6	S	W	CB	2	1.1	0.9	3.6	1
5-SMG-7	S	W	CB	2	1.1	0.9	3.6	1
5-SMG-8	S	W	CB	1	1.1	-0.1	-0.4	1
5-SMG-9	S	W	CB	2	1.1	0.9	3.6	1
5-SMG-10	S	F	AT	1	1.8	-0.8	-3.2	1
5-SMG-11	S	F	AT	1	1.8	-0.8	-3.2	1
5-SMG-12	S	F	AT	4	1.8	2.2	8.8	1
5-SMG-13	S	F	AT	1	1.8	-0.8	-3.2	1
5-SMG-14	S	F	AT	3	1.8	1.2	4.8	1
5-SMG-15	S	F	AT	3	1.8	1.2	4.8	1
5-SMG-16	S	F	AT	1	1.8	-0.8	-3.2	1
5-SMG-17	S	F	AT	1	1.8	-0.8	-3.2	1

Mean	-0.6
Median	-3.2
Minimum	-7.2
Maximum	8.8
Std Dev (1s)	5.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCL_w, Sign = -1, otherwise 1.

Survey Unit 5-SMG

Structure Sign Test Results

Survey Date:	3/16/2007
Room:	5th Floor
MARSSIM Class:	2
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-SMG-1	S	F	AT	120	170.9	-50.9	-139.7	1
5-SMG-2	S	W	CB	133	223.9	-90.9	-249.5	1
5-SMG-3	S	W	CB	137	223.9	-86.9	-238.6	1
5-SMG-4	S	F	AT	134	170.9	-36.9	-101.3	1
5-SMG-5	S	F	AT	167	170.9	-3.9	-10.7	1
5-SMG-6	S	W	CB	142	223.9	-81.9	-224.8	1
5-SMG-7	S	W	CB	218	223.9	-5.9	-16.2	1
5-SMG-8	S	W	CB	122	223.9	-101.9	-279.7	1
5-SMG-9	S	W	CB	231	223.9	7.1	19.5	1
5-SMG-10	S	F	AT	153	170.9	-17.9	-49.1	1
5-SMG-11	S	F	AT	174	170.9	3.1	8.5	1
5-SMG-12	S	F	AT	222	170.9	51.1	140.3	1
5-SMG-13	S	F	AT	184	170.9	13.1	36.0	1
5-SMG-14	S	F	AT	115	170.9	-55.9	-153.5	1
5-SMG-15	S	F	AT	140	170.9	-30.9	-84.8	1
5-SMG-16	S	F	AT	211	170.9	40.1	110.1	1
5-SMG-17	S	F	AT	136	170.9	-34.9	-95.8	1

Mean	-78.2
Median	-84.8
Minimum	-279.7
Maximum	140.3
Std Dev (1s)	125.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-W

Structure Sign Test Results

Survey Date:	3/16/2007
Room:	5th Floor
MARSSIM Class:	2
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.199	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-W-1	S	F	AT	0	1.8	-1.8	-7.2	1
5-W-2	S	F	AT	2	1.8	0.2	0.8	1
5-W-3	S	F	AT	1	1.8	-0.8	-3.2	1
5-W-4	S	F	AT	0	1.8	-1.8	-7.2	1
5-W-5	S	F	AT	1	1.8	-0.8	-3.2	1
5-W-6	S	F	AT	1	1.8	-0.8	-3.2	1
5-W-7	S	F	AT	1	1.8	-0.8	-3.2	1
5-W-8	S	F	AT	1	1.8	-0.8	-3.2	1
5-W-9	S	F	AT	0	1.8	-1.8	-7.2	1
5-W-10	S	W	CB	2	1.1	0.9	3.6	1
5-W-11	S	W	CB	3	1.1	1.9	7.6	1
5-W-12	S	W	CB	1	1.1	-0.1	-0.4	1
5-W-13	S	W	CB	1	1.1	-0.1	-0.4	1
5-W-14	S	W	CB	0	1.1	-1.1	-4.4	1
5-W-15	S	W	CB	0	1.1	-1.1	-4.4	1
5-W-16	S	W	CB	2	1.1	0.9	3.6	1
5-W-17	S	W	CB	2	1.1	0.9	3.6	1

Mean	-1.6
Median	-3.2
Minimum	-7.2
Maximum	7.6
Std Dev (1s)	4.3
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 5-W

Structure Sign Test Results

Survey Date:	3/16/2007
Room:	5th Floor
MARSSIM Class:	2
SU DCC _{Lw} (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2224/43-68	183048	PR161781	0.289	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-W-1	S	F	AT	171	170.9	0.1	0.3	1
5-W-2	S	F	AT	161	170.9	-9.9	-27.2	1
5-W-3	S	F	AT	164	170.9	-6.9	-18.9	1
5-W-4	S	F	AT	169	170.9	-1.9	-5.2	1
5-W-5	S	F	AT	161	170.9	-9.9	-27.2	1
5-W-6	S	F	AT	166	170.9	-4.9	-13.5	1
5-W-7	S	F	AT	181	170.9	10.1	27.7	1
5-W-8	S	F	AT	162	170.9	-8.9	-24.4	1
5-W-9	S	F	AT	177	170.9	6.1	16.7	1
5-W-10	S	W	CB	185	223.9	-38.9	-106.8	1
5-W-11	S	W	CB	270	223.9	46.1	126.6	1
5-W-12	S	W	CB	230	223.9	6.1	16.7	1
5-W-13	S	W	CB	351	223.9	127.1	348.9	1
5-W-14	S	W	CB	230	223.9	6.1	16.7	1
5-W-15	S	W	CB	141	223.9	-82.9	-227.6	1
5-W-16	S	W	CB	132	223.9	-91.9	-252.3	1
5-W-17	S	W	CB	141	223.9	-82.9	-227.6	1

Mean	-22.2
Median	-13.5
Minimum	-252.3
Maximum	348.9
Std Dev (1s)	139.7
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: SC (Square Cinder Block), CB (Cinder Block), AT (Asbestos Tile), CP (Composite Floor Tile), ME (Metal), BR (Brick), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCC_{Lw}, Sign = -1, otherwise 1.

Survey Unit 552A-F

Structure Sign Test Results

Survey Date:	3/4/2008
Room:	552A
MARSSIM Class:	1
SU DCCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.058	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-552A-1F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-2F	S	F	AT	1	1.0	0.0	0.0	1
5-552A-3F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-4F	S	F	AT	1	1.0	0.0	0.0	1
5-552A-5F	S	F	AT	1	1.0	0.0	0.0	1
5-552A-6F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-7F	S	F	AT	1	1.0	0.0	0.0	1
5-552A-8F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-9F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-10F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-11F	S	F	AT	3	1.0	2.0	27.4	1
5-552A-12F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-13F	S	F	AT	1	1.0	0.0	0.0	1
5-552A-14F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-15F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-16F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-17F	S	F	AT	0	1.0	-1.0	-13.7	1
5-552A-18F	B	F	AT	1	1.0	0.0	0.0	1
5-552A-19F	B	F	AT	2	1.0	1.0	13.7	1

Mean	-7.2
Median	-13.7
Minimum	-13.7
Maximum	27.4
Std Dev (1s)	10.9
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCCGL_w, Sign = -1, otherwise 1.

Survey Unit 552A-W

Structure Sign Test Results

Survey Date:	3/4/2008
Room:	552A
MARSSIM Class:	1
SU DCCL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.058	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Wall

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-552A-1W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-2W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-3W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-4W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-5W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-6W	S	W	CB	1	0.4	0.6	8.2	1
5-552A-7W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-8W	S	W	CB	1	0.4	0.6	8.2	1
5-552A-9W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-10W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-11W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-12W	S	W	CB	2	0.4	1.6	21.9	1
5-552A-13W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-14W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-15W	S	W	CB	1	0.4	0.6	8.2	1
5-552A-16W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-17W	S	W	CB	0	0.4	-0.4	-5.5	1
5-552A-18W	B	W	CB	0	0.4	-0.4	-5.5	1
5-552A-19W	B	W	CB	0	0.4	-0.4	-5.5	1

Mean	-1.4
Median	-5.5
Minimum	-5.5
Maximum	21.9
Std Dev (1s)	8.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCCL_w, Sign = -1, otherwise 1.

Survey Unit 552A-W

Structure Sign Test Results

Survey Date:	3/4/2008
Room:	552A
MARSSIM Class:	I
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.183	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Wall

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross/cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-552A-1W	S	W	CB	118	214.8	-96.8	-419.8	1
5-552A-2W	S	W	CB	180	214.8	-34.8	-150.9	1
5-552A-3W	S	W	CB	144	214.8	-70.8	-307.1	1
5-552A-4W	S	W	CB	212	214.8	-2.8	-12.1	1
5-552A-5W	S	W	CB	279	214.8	64.2	278.4	1
5-552A-6W	S	W	CB	221	214.8	6.2	26.9	1
5-552A-7W	S	W	CB	206	214.8	-8.8	-38.2	1
5-552A-8W	S	W	CB	143	214.8	-71.8	-311.4	1
5-552A-9W	S	W	CB	137	214.8	-77.8	-337.4	1
5-552A-10W	S	W	CB	131	214.8	-83.8	-363.4	1
5-552A-11W	S	W	CB	170	214.8	-44.8	-194.3	1
5-552A-12W	S	W	CB	163	214.8	-51.8	-224.7	1
5-552A-13W	S	W	CB	203	214.8	-11.8	-51.2	1
5-552A-14W	S	W	CB	236	214.8	21.2	91.9	1
5-552A-15W	S	W	CB	207	214.8	-7.8	-33.8	1
5-552A-16W	S	W	CB	191	214.8	-23.8	-103.2	1
5-552A-17W	S	W	CB	162	214.8	-52.8	-229.0	1
5-552A-18W	B	W	CB	262	214.8	47.2	204.7	1
5-552A-19W	B	W	CB	275	214.8	60.2	261.1	1

Mean	-140.0
Median	-150.9
Minimum	-419.8
Maximum	278.4
Std Dev (1s)	184.8
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n =	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Beta
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Survey Unit 552A-Radon Rm-F

Structure Sign Test Results

Survey Date:	3/4/2008
Room:	552A Radon Room
MARSSIM Class:	1
SU DCGl _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.058	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-552A-RR-1F	S	F	ST	4	0.6	3.4	46.5	1
5-552A-RR-2F	S	F	ST	7	0.6	6.4	87.6	1
5-552A-RR-3F	S	F	ST	6	0.6	5.4	73.9	1
5-552A-RR-4F	S	F	ST	6	0.6	5.4	73.9	1
5-552A-RR-5F	S	F	ST	7	0.6	6.4	87.6	1
5-552A-RR-6F	S	F	ST	9	0.6	8.4	114.9	1
5-552A-RR-7F	S	F	ST	2	0.6	1.4	19.2	1
5-552A-RR-8F	S	W	ST	10	0.6	9.4	128.6	1
5-552A-RR-9F	S	W	ST	11	0.6	10.4	142.3	1
5-552A-RR-10F	S	W	ST	9	0.6	8.4	114.9	1
5-552A-RR-11F	S	W	ST	9	0.6	8.4	114.9	1
5-552A-RR-12F	S	W	ST	5	0.6	4.4	60.2	1
5-552A-RR-13F	S	W	ST	8	0.6	7.4	101.3	1
5-552A-RR-14F	S	W	ST	9	0.6	8.4	114.9	1
5-552A-RR-15F	S	W	ST	4	0.6	3.4	46.5	1
5-552A-RR-16F	S	W	ST	6	0.6	5.4	73.9	1
5-552A-RR-17F	S	W	ST	11	0.6	10.4	142.3	1
5-552A-RR-18F	B	F	ST	0	0.6	-0.6	-8.2	1
5-552A-RR-19F	B	W	ST	0	0.6	-0.6	-8.2	1

Mean	90.8
Median	87.6
Minimum	19.2
Maximum	142.3
Std Dev (1s)	35.4
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	12
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Alpha
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGl_w, Sign = -1, otherwise 1.

Survey Unit 552A-Radon Rm-F

Structure Sign Test Results

Survey Date:	3/4/2008
Room:	552A Radon Room
MARSSIM Class:	1
SU DCGI _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.183	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-552A-RR-1F	S	F	ST	182	121.8	60.2	261.1	1
5-552A-RR-2F	S	F	ST	182	121.8	60.2	261.1	1
5-552A-RR-3F	S	F	ST	178	121.8	56.2	243.7	1
5-552A-RR-4F	S	F	ST	183	121.8	61.2	265.4	1
5-552A-RR-5F	S	F	ST	198	121.8	76.2	330.5	1
5-552A-RR-6F	S	F	ST	160	121.8	38.2	165.7	1
5-552A-RR-7F	S	F	ST	150	121.8	28.2	122.3	1
5-552A-RR-8F	S	W	ST	180	121.8	58.2	252.4	1
5-552A-RR-9F	S	W	ST	188	121.8	66.2	287.1	1
5-552A-RR-10F	S	W	ST	173	121.8	51.2	222.0	1
5-552A-RR-11F	S	W	ST	159	121.8	37.2	161.3	1
5-552A-RR-12F	S	W	ST	153	121.8	31.2	135.3	1
5-552A-RR-13F	S	W	ST	136	121.8	14.2	61.6	1
5-552A-RR-14F	S	W	ST	144	121.8	22.2	96.3	1
5-552A-RR-15F	S	W	ST	153	121.8	31.2	135.3	1
5-552A-RR-16F	S	W	ST	138	121.8	16.2	70.3	1
5-552A-RR-17F	S	W	ST	152	121.8	30.2	131.0	1
5-552A-RR-18F	B	F	ST	147	121.8	25.2	109.3	1
5-552A-RR-19F	B	W	ST	151	121.8	29.2	126.6	1

Mean	188.4
Median	165.7
Minimum	61.6
Maximum	330.5
Std Dev (1s)	82.1
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Beta
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGI_w, Sign = -1, otherwise 1.

Survey Unit 5-559G

Structure Sign Test Results

Survey Date:	4/2/2008
Room:	559G
MARSSIM Class:	1
SU DCCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.058	126

SU Description: Floors and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-559G-1F	S	F	AT	1	1.0	0.0	0.0	1
5-559G-2F	S	F	AT	2	1.0	1.0	13.7	1
5-559G-3F	S	F	AT	0	1.0	-1.0	-13.7	1
5-559G-4F	S	F	AT	1	1.0	0.0	0.0	1
5-559G-5F	S	F	AT	1	1.0	0.0	0.0	1
5-559G-6F	S	F	AT	3	1.0	2.0	27.4	1
5-559G-7F	S	F	AT	0	1.0	-1.0	-13.7	1
5-559G-8F	S	F	AT	1	1.0	0.0	0.0	1
5-559G-9F	S	W	CB	0	0.4	-0.4	-5.5	1
5-559G-10F	S	W	CB	2	0.4	1.6	21.9	1
5-559G-11F	S	W	CB	1	0.4	0.6	8.2	1
5-559G-12F	S	W	CB	1	0.4	0.6	8.2	1
5-559G-13F	S	W	CB	0	0.4	-0.4	-5.5	1
5-559G-14F	S	W	CB	1	0.4	0.6	8.2	1
5-559G-15F	S	W	CB	0	0.4	-0.4	-5.5	1
5-559G-16F	S	W	CB	1	0.4	0.6	8.2	1
5-559G-17F	S	W	CB	1	0.4	0.6	8.2	1
5-559G-18F	B	F	AT	0	1.0	-1.0	-13.7	1
5-559G-19F	B	W	CB	1	0.4	0.6	8.2	1

Mean	3.5
Median	0.0
Minimum	-13.7
Maximum	27.4
Std Dev (1s)	11.2
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Beta
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	4/2/2008
Room:	559G
MARSSIM Class:	1
SU DCCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.183	126

SU Description: Floors and Walls					Static Count Time (min):			
					Daily BKGD Count Time (min):			
					1.0			
					1.0			
Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-559G-1F	S	F	AT	162	143.4	18.6	80.7	1
5-559G-2F	S	F	AT	175	143.4	31.6	137.0	1
5-559G-3F	S	F	AT	156	143.4	12.6	54.6	1
5-559G-4F	S	F	AT	180	143.4	36.6	158.7	1
5-559G-5F	S	F	AT	182	143.4	38.6	167.4	1
5-559G-6F	S	F	AT	216	143.4	72.6	314.9	1
5-559G-7F	S	F	AT	210	143.4	66.6	288.8	1
5-559G-8F	S	F	AT	173	143.4	29.6	128.4	1
5-559G-9F	S	W	CB	133	214.8	-81.8	-354.8	1
5-559G-10F	S	W	CB	147	214.8	-67.8	-294.0	1
5-559G-11F	S	W	CB	136	214.8	-78.8	-341.7	1
5-559G-12F	S	W	CB	115	214.8	-99.8	-432.8	1
5-559G-13F	S	W	CB	159	214.8	-55.8	-242.0	1
5-559G-14F	S	W	CB	158	214.8	-56.8	-246.3	1
5-559G-15F	S	W	CB	180	214.8	-34.8	-150.9	1
5-559G-16F	S	W	CB	166	214.8	-48.8	-211.6	1
5-559G-17F	S	W	CB	147	214.8	-67.8	-294.0	1
5-559G-18F	B	F	AT	190	143.4	46.6	202.1	1
5-559G-19F	B	W	CB	153	214.8	-61.8	-268.0	1
					Mean	-72.8		
					Median	-150.9		
					Minimum	-432.8		
					Maximum	314.9		
					Std Dev (1s)	247.5		
					MARSSIM Sign Test Required?	NO		
					MARSSIM SIGN TEST EVALUATION			
					Sum of Positive Signs	17	17	17
					Sign Test Critical Value n=	12	12	12
					Null Hypothesis Evaluation	Rejected		

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Beta
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	3/27/2008
Room:	544
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	500

Instrument/P robe Models	Instrument S/N	Probe S/N	Alpha Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.058	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor and Walls

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Alpha Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm ²)	Alpha Sign Test Parameter ⁶
5-544-1F	S	F	BC	1	1.4	-0.4	-5.5	1
5-544-2F	S	F	BC	16	1.4	14.6	199.8	1
5-544-3F	S	F	BC	5	1.4	3.6	49.3	1
5-544-4F	S	F	BC	6	1.4	4.6	62.9	1
5-544-5F	S	F	BC	2	1.4	0.6	8.2	1
5-544-6F	S	F	BC	8	1.4	6.6	90.3	1
5-544-7F	S	F	BC	5	1.4	3.6	49.3	1
5-544-8F	S	F	BC	1	1.4	-0.4	-5.5	1
5-544-9F	S	W	CB	4	0.4	3.6	49.3	1
5-544-10F	S	W	CB	6	0.4	5.6	76.6	1
5-544-11F	S	W	CB	19	0.4	18.6	254.5	1
5-544-12F	S	W	CB	4	0.4	3.6	49.3	1
5-544-13F	S	W	CB	1	0.4	0.6	8.2	1
5-544-14F	S	W	CB	2	0.4	1.6	21.9	1
5-544-15F	S	W	CB	3	0.4	2.6	35.6	1
5-544-16F	S	W	CB	2	0.4	1.6	21.9	1
5-544-17F	S	W	CB	3	0.4	2.6	35.6	1
5-544-18F	B	F	BC	4	1.4	2.6	35.6	1
5-544-19F	B	W	CB	4	0.4	3.6	49.3	1

Mean	58.9
Median	49.3
Minimum	-5.5
Maximum	254.5
Std Dev (1s)	69.4
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Beta
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Structure Sign Test Results

Survey Date:	3/27/2008
Room:	544
MARSSIM Class:	1
SU DCGL _w (dpm/100cm ²):	1000

Instrument/ Probe Models	Instrument S/N	Probe S/N	Beta Efficiency ¹	Probe Active Area (cm ²)
2360/43-68	193667	PR120548	0.183	126

SU Description: Floor and Walls

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type ²	Sample Location ³	Surface Material ⁴	Beta Counts (gross cpm)	Material Specific Background ⁵ (cpm)	Net Fixed-Point Result (net cpm)	Beta Residual Surface Activity (dpm/100cm ²)	Beta Sign Test Parameter ⁶
5-544-1F	S	F	BC	229	213.8	15.2	65.9	1
5-544-2F	S	F	BC	244	213.8	30.2	131.0	1
5-544-3F	S	F	BC	265	213.8	51.2	222.0	1
5-544-4F	S	F	BC	256	213.8	42.2	183.0	1
5-544-5F	S	F	BC	221	213.8	7.2	31.2	1
5-544-6F	S	F	BC	291	213.8	77.2	334.8	1
5-544-7F	S	F	BC	242	213.8	28.2	122.3	1
5-544-8F	S	F	BC	289	213.8	75.2	326.1	1
5-544-9F	S	W	CB	263	214.8	48.2	209.0	1
5-544-10F	S	W	CB	233	214.8	18.2	78.9	1
5-544-11F	S	W	CB	301	214.8	86.2	373.8	1
5-544-12F	S	W	CB	272	214.8	57.2	248.1	1
5-544-13F	S	W	CB	253	214.8	38.2	165.7	1
5-544-14F	S	W	CB	165	214.8	-49.8	-216.0	1
5-544-15F	S	W	CB	207	214.8	-7.8	-33.8	1
5-544-16F	S	W	CB	249	214.8	34.2	148.3	1
5-544-17F	S	W	CB	268	214.8	53.2	230.7	1
5-544-18F	B	F	BC	271	213.8	57.2	248.1	1
5-544-19F	B	W	CB	319	214.8	104.2	451.9	1

Mean	154.2
Median	165.7
Minimum	-216.0
Maximum	373.8
Std Dev (Is)	145.0
MARSSIM Sign Test Required?	NO
MARSSIM SIGN TEST EVALUATION	
Sum of Positive Signs	17
Sign Test Critical Value n=	17
Null Hypothesis Evaluation	Rejected

NOTES:

- Instrument Efficiency = Instrument static 4-pi efficiency for Beta
- Sample Type: S = Systematic R = Random B = Biased
- Sample Location: F = Floor W = Wall C = Ceiling S = Shelf
- Surface Materials: BC (Bare Concrete), CB (Cinder Block), AT (Asbestos Tile), ST (Steel), CF (Ceramic Floor Tile), CW (Ceramic Wall Tile), CT (Ceiling Tile), O (Other)
- Average of background readings collected in unimpacted areas for each building surface encountered during FSS
- MARSSIM Sign Test parameter. If Result > DCGL_w, Sign = -1, otherwise 1.

Systematic Removable Survey Measurements for Survey Units

Survey Unit 5-R3, Class 3

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Survey Unit 5-R3													
ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)			
		alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta		
1	5-R3-1	3/15/2007	2	784	0	32	0.1	39.2	0.00	32	-0.3	-30	
2	5-R3-2	3/15/2007	2	784	0	35	0.1	39.2	0.00	35	-0.3	-17	
3	5-R3-3	3/15/2007	2	784	0	42	0.1	39.2	0.00	42	-0.3	11	
4	5-R3-4	3/15/2007	2	784	0	32	0.1	39.2	0.00	32	-0.3	-30	
5	5-R3-5	3/15/2007	2	784	0	37	0.1	39.2	0.00	37	-0.3	-9	
6	5-R3-6	3/15/2007	2	784	0	45	0.1	39.2	0.00	45	-0.3	24	
7	5-R3-7	3/15/2007	2	784	0	29	0.1	39.2	0.00	29	-0.3	-42	
8	5-R3-8	3/15/2007	2	784	0	37	0.1	39.2	0.00	37	-0.3	-9	
9	5-R3-9	3/15/2007	2	784	0	36	0.1	39.2	0.00	36	-0.3	-13	
10	5-R3-10	3/15/2007	2	784	1	35	0.1	39.2	1.00	35	2.5	-17	
11	5-R3-11	3/15/2007	2	784	0	25	0.1	39.2	0.00	25	-0.3	-58	
12	5-R3-12	3/15/2007	2	784	0	44	0.1	39.2	0.00	44	-0.3	20	
13	5-R3-13	3/15/2007	2	784	0	35	0.1	39.2	0.00	35	-0.3	-17	
14	5-R3-14	3/15/2007	2	784	0	33	0.1	39.2	0.00	33	-0.3	-25	
15	5-R3-15	3/15/2007	2	784	1	30	0.1	39.2	1.00	30	2.5	-38	
16	5-R3-16	3/15/2007	2	784	0	28	0.1	39.2	0.00	28	-0.3	-46	
17	5-R3-17	3/15/2007	2	784	0	39	0.1	39.2	0.00	39	-0.3	-1	
											Mean	0.0	-17.5
											Median	-0.3	-17.2
											SD	0.9	22.6
											Minimum	-0.3	-58.3
											Maximum	2.5	23.8

Mean	0.0	-17.5
Median	-0.3	-17.2
SD	0.9	22.6
Minimum	-0.3	-58.3
Maximum	2.5	23.8

Survey Unit 5-RL, Class 3

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 5-RL

Survey Unit 5-RL													
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	5-RL-1	3/22/2007	1	787	0	29	0.1	39.4	0.00	29	-0.1	-42	
2	5-RL-2	3/22/2007	1	787	0	41	0.1	39.4	0.00	41	-0.1	7	
3	5-RL-3	3/22/2007	1	787	0	42	0.1	39.4	0.00	42	-0.1	11	
4	5-RL-4	3/22/2007	1	787	0	35	0.1	39.4	0.00	35	-0.1	-18	
5	5-RL-5	3/22/2007	1	787	0	43	0.1	39.4	0.00	43	-0.1	15	
6	5-RL-6	3/22/2007	1	787	0	40	0.1	39.4	0.00	40	-0.1	3	
7	5-RL-7	3/22/2007	1	787	0	31	0.1	39.4	0.00	31	-0.1	-34	
8	5-RL-8	3/22/2007	1	787	0	34	0.1	39.4	0.00	34	-0.1	-22	
9	5-RL-9	3/22/2007	1	787	0	37	0.1	39.4	0.00	37	-0.1	-10	
10	5-RL-10	3/22/2007	1	787	0	29	0.1	39.4	0.00	29	-0.1	-42	
11	5-RL-11	3/22/2007	1	787	0	29	0.1	39.4	0.00	29	-0.1	-42	
12	5-RL-12	3/22/2007	1	787	0	33	0.1	39.4	0.00	33	-0.1	-26	
13	5-RL-13	3/22/2007	1	787	0	43	0.1	39.4	0.00	43	-0.1	15	
14	5-RL-14	3/22/2007	1	787	0	35	0.1	39.4	0.00	35	-0.1	-18	
15	5-RL-15	3/22/2007	1	787	0	30	0.1	39.4	0.00	30	-0.1	-38	
16	5-RL-16	3/22/2007	1	787	0	33	0.1	39.4	0.00	33	-0.1	-26	
17	5-RL-17	3/22/2007	1	787	0	31	0.1	39.4	0.00	31	-0.1	-34	
											Mean	-17.8	
											Median	-22.0	
											SD	20.9	
											Minimum	-42.5	
											Maximum	15.0	

Survey Unit 5-W, Class 3

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3487	0.1815

07 Survey	Sample Count Time (min)	Background Count Time (min)
	1.0	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit
alpha dpm/100 cm ²
20

Removable Limit beta dpm/100 cm ²	200
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Survey Unit 5-W

Survey Unit 3-W													
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	5-W-1	3/16/2007	4	760	0	39	0.2	38.0	0.00	39	-0.6	4	
2	5-W-2	3/16/2007	4	760	0	41	0.2	38.0	0.00	41	-0.6	12	
3	5-W-3	3/16/2007	4	760	0	42	0.2	38.0	0.00	42	-0.6	16	
4	5-W-4	3/16/2007	4	760	1	35	0.2	38.0	1.00	35	2.2	-12	
5	5-W-5	3/16/2007	4	760	0	31	0.2	38.0	0.00	31	-0.6	-29	
6	5-W-6	3/16/2007	4	760	0	31	0.2	38.0	0.00	31	-0.6	-29	
7	5-W-7	3/16/2007	4	760	0	45	0.2	38.0	0.00	45	-0.6	29	
8	5-W-8	3/16/2007	4	760	0	43	0.2	38.0	0.00	43	-0.6	21	
9	5-W-9	3/16/2007	4	760	0	59	0.2	38.0	0.00	59	-0.6	86	
10	5-W-10	3/16/2007	4	760	0	47	0.2	38.0	0.00	47	-0.6	37	
11	5-W-11	3/16/2007	4	760	0	30	0.2	38.0	0.00	30	-0.6	-33	
12	5-W-12	3/16/2007	4	760	0	32	0.2	38.0	0.00	32	-0.6	-25	
13	5-W-13	3/16/2007	4	760	0	22	0.2	38.0	0.00	22	-0.6	-66	
14	5-W-14	3/16/2007	4	760	0	27	0.2	38.0	0.00	27	-0.6	-45	
15	5-W-15	3/16/2007	4	760	0	35	0.2	38.0	0.00	35	-0.6	-12	
16	5-W-16	3/16/2007	4	760	0	48	0.2	38.0	0.00	48	-0.6	41	
17	5-W-17	3/16/2007	4	760	0	41	0.2	38.0	0.00	41	-0.6	12	
											Mean	-0.4	0.5
											Median	-0.6	4.1
											SD	0.7	37.3
											Minimum	-0.6	-65.7
											Maximum	2.2	86.2

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Instrument and Survey Information - Fall 2007 Survey

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit alpha dpm/100 cm ²
20

Removable Limit beta dpm/100 cm ²
200

Survey Unit 5-SMG

Survey Unit 5-SMG												
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)	
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	5-SMG-1	3/16/2007	4	760	0	33	0.2	38.0	0.00	33	-0.6	-21
2	5-SMG-2	3/16/2007	4	760	0	32	0.2	38.0	0.00	32	-0.6	-25
3	5-SMG-3	3/16/2007	4	760	0	37	0.2	38.0	0.00	37	-0.6	-4
4	5-SMG-4	3/16/2007	4	760	0	31	0.2	38.0	0.00	31	-0.6	-29
5	5-SMG-5	3/16/2007	4	760	0	34	0.2	38.0	0.00	34	-0.6	-16
6	5-SMG-6	3/16/2007	4	760	0	41	0.2	38.0	0.00	41	-0.6	12
7	5-SMG-7	3/16/2007	4	760	0	40	0.2	38.0	0.00	40	-0.6	8
8	5-SMG-8	3/16/2007	4	760	0	30	0.2	38.0	0.00	30	-0.6	-33
9	5-SMG-9	3/16/2007	4	760	0	38	0.2	38.0	0.00	38	-0.6	0
10	5-SMG-10	3/16/2007	4	760	0	37	0.2	38.0	0.00	37	-0.6	-4
11	5-SMG-11	3/16/2007	4	760	0	38	0.2	38.0	0.00	38	-0.6	0
12	5-SMG-12	3/16/2007	4	760	0	24	0.2	38.0	0.00	24	-0.6	-57
13	5-SMG-13	3/16/2007	4	760	0	32	0.2	38.0	0.00	32	-0.6	-25
14	5-SMG-14	3/16/2007	4	760	0	36	0.2	38.0	0.00	36	-0.6	-8
15	5-SMG-15	3/16/2007	4	760	0	45	0.2	38.0	0.00	45	-0.6	29
16	5-SMG-16	3/16/2007	4	760	0	57	0.2	38.0	0.00	57	-0.6	78
17	5-SMG-17	3/16/2007	4	760	0	32	0.2	38.0	0.00	32	-0.6	-25
										Mean	-0.6	-7.0
										Median	-0.6	-8.2
										SD	0.0	29.7
										Minimum	-0.6	-57.4
										Maximum	-0.6	78.0

Survey Unit 5-514, Class 1

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	20.0
Background Count Time (min)	1.0

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 514

Survey Unit 514													
ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)			
		alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta		
1	5-514-1	11/26/2007	7	744	1	25	0.4	37.2	1.00	25	1.9	-67	
2	5-514-2	11/26/2007	7	744	1	36	0.4	37.2	1.00	36	1.9	-7	
3	5-514-3	11/26/2007	7	744	0	38	0.4	37.2	0.00	38	-1.0	4	
4	5-514-4	11/26/2007	7	744	1	40	0.4	37.2	1.00	40	1.9	15	
5	5-514-5	11/26/2007	7	744	0	31	0.4	37.2	0.00	31	-1.0	-34	
6	5-514-6	11/26/2007	7	744	0	33	0.4	37.2	0.00	33	-1.0	-23	
7	5-514-7	11/26/2007	7	744	0	36	0.4	37.2	0.00	36	-1.0	-7	
8	5-514-8	11/26/2007	7	744	0	33	0.4	37.2	0.00	33	-1.0	-23	
9	5-514-9	11/26/2007	7	744	2	24	0.4	37.2	2.00	24	4.7	-73	
10	5-514-10	11/26/2007	7	744	0	43	0.4	37.2	0.00	43	-1.0	32	
11	5-514-11	11/26/2007	7	744	0	38	0.4	37.2	0.00	38	-1.0	4	
12	5-514-12	11/26/2007	7	744	1	35	0.4	37.2	1.00	35	1.9	-12	
13	5-514-13	11/26/2007	7	744	0	37	0.4	37.2	0.00	37	-1.0	-1	
14	5-514-14	11/26/2007	7	744	1	33	0.4	37.2	1.00	33	1.9	-23	
15	5-514-15	11/26/2007	7	744	1	40	0.4	37.2	1.00	40	1.9	15	
16	5-514-16	11/26/2007	7	744	0	35	0.4	37.2	0.00	35	-1.0	-12	
17	5-514-17	11/26/2007	7	744	0	34	0.4	37.2	0.00	34	-1.0	-18	
											Mean	0.3	-13.4
											Median	-1.0	-12.1
											SD	1.8	27.1
											Minimum	-1.0	-72.7
											Maximum	4.7	32.0

Survey Unit 5-516, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 516

Survey Unit 510

	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	516-1	11/6/2007	3	619	1	15	0.2	31.0	1.00	15	2.4	-88	
2	516-2	11/6/2007	3	619	1	37	0.2	31.0	1.00	37	2.4	33	
3	516-3	11/6/2007	3	619	0	45	0.2	31.0	0.00	45	-0.4	77	
4	516-4	11/6/2007	3	619	0	39	0.2	31.0	0.00	39	-0.4	44	
5	516-5	11/6/2007	3	619	1	31	0.2	31.0	1.00	31	2.4	0	
6	516-6	11/6/2007	3	619	2	30	0.2	31.0	2.00	30	5.3	-5	
7	516-7	11/6/2007	3	619	0	31	0.2	31.0	0.00	31	-0.4	0	
8	516-8	11/6/2007	3	619	0	40	0.2	31.0	0.00	40	-0.4	50	
9	516-9	11/6/2007	3	619	0	31	0.2	31.0	0.00	31	-0.4	0	
10	516-10	11/6/2007	3	619	1	38	0.2	31.0	1.00	38	2.4	39	
11	516-11	11/6/2007	3	619	0	37	0.2	31.0	0.00	37	-0.4	33	
12	516-12	11/6/2007	3	619	1	30	0.2	31.0	1.00	30	2.4	-5	
13	516-13	11/6/2007	3	619	0	24	0.2	31.0	0.00	24	-0.4	-38	
14	516-14	11/6/2007	3	619	0	25	0.2	31.0	0.00	25	-0.4	-33	
15	516-15	11/6/2007	3	619	0	45	0.2	31.0	0.00	45	-0.4	77	
16	516-16	11/6/2007	3	619	0	34	0.2	31.0	0.00	34	-0.4	17	
17	516-17	11/6/2007	3	619	0	23	0.2	31.0	0.00	23	-0.4	-44	
												Mean	9.4
												Median	-0.4
												SD	1.8
												Minimum	-0.4
												Maximum	5.3
													77.4

Survey Unit 5-518, Class 1

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 518

Survey Unit 518													
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	5-518-1	11/26/2007	7	744	2	30	0.4	37.2	2.00	30	4.7	-40	
2	5-518-2	11/26/2007	7	744	2	34	0.4	37.2	2.00	34	4.7	-18	
3	5-518-3	11/26/2007	7	744	1	34	0.4	37.2	1.00	34	1.9	-18	
4	5-518-4	11/26/2007	7	744	2	30	0.4	37.2	2.00	30	4.7	-40	
5	5-518-5	11/26/2007	7	744	0	29	0.4	37.2	0.00	29	-1.0	-45	
6	5-518-6	11/26/2007	7	744	0	35	0.4	37.2	0.00	35	-1.0	-12	
7	5-518-7	11/26/2007	7	744	2	27	0.4	37.2	2.00	27	4.7	-56	
8	5-518-8	11/26/2007	7	744	0	30	0.4	37.2	0.00	30	-1.0	-40	
9	5-518-9	11/26/2007	7	744	0	41	0.4	37.2	0.00	41	-1.0	21	
10	5-518-10	11/26/2007	7	744	0	37	0.4	37.2	0.00	37	-1.0	-1	
11	5-518-11	11/26/2007	7	744	0	28	0.4	37.2	0.00	28	-1.0	-51	
12	5-518-12	11/26/2007	7	744	1	28	0.4	37.2	1.00	28	1.9	-51	
13	5-518-13	11/26/2007	7	744	2	38	0.4	37.2	2.00	38	4.7	4	
14	5-518-14	11/26/2007	7	744	0	38	0.4	37.2	0.00	38	-1.0	4	
15	5-518-15	11/26/2007	7	744	0	29	0.4	37.2	0.00	29	-1.0	-45	
16	5-518-16	11/26/2007	7	744	0	47	0.4	37.2	0.00	47	-1.0	54	
17	5-518-17	11/26/2007	7	744	2	34	0.4	37.2	2.00	34	4.7	-18	
											Mean	1.4	-20.5
											Median	-1.0	-17.6
											SD	2.7	30.0
											Minimum	-1.0	-56.2
											Maximum	4.7	54.0

Survey Unit 5-520A, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Fall 2007 Survey

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Removable Limit	20
alpha dpm/100 cm ²	

Removable Limit beta dpm/100 cm ²	200
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Survey Unit 520A

Survey Unit 520A													
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	5-520A-1	3/23/2007	1	787	0	39	0.1	39.4	0.00	39	-0.1	-1	
2	5-520A-2	3/23/2007	1	787	0	38	0.1	39.4	0.00	38	-0.1	-6	
3	5-520A-3	3/23/2007	1	787	0	20	0.1	39.4	0.00	20	-0.1	-79	
4	5-520A-4	3/23/2007	1	787	1	38	0.1	39.4	1.00	38	2.7	-6	
5	5-520A-5	3/23/2007	1	787	0	39	0.1	39.4	0.00	39	-0.1	-1	
6	5-520A-6	3/23/2007	1	787	0	48	0.1	39.4	0.00	48	-0.1	35	
7	5-520A-7	3/23/2007	1	787	0	47	0.1	39.4	0.00	47	-0.1	31	
8	5-520A-8	3/23/2007	1	787	0	34	0.1	39.4	0.00	34	-0.1	-22	
9	5-520A-9	3/23/2007	1	787	0	33	0.1	39.4	0.00	33	-0.1	-26	
10	5-520A-10	3/23/2007	1	787	0	30	0.1	39.4	0.00	30	-0.1	-38	
11	5-520A-11	3/23/2007	1	787	0	44	0.1	39.4	0.00	44	-0.1	19	
12	5-520A-12	3/23/2007	1	787	2	50	0.1	39.4	2.00	50	5.5	44	
13	5-520A-13	3/23/2007	1	787	0	36	0.1	39.4	0.00	36	-0.1	-14	
14	5-520A-14	3/23/2007	1	787	0	32	0.1	39.4	0.00	32	-0.1	-30	
15	5-520A-15	3/23/2007	1	787	0	34	0.1	39.4	0.00	34	-0.1	-22	
16	5-520A-16	3/23/2007	1	787	1	34	0.1	39.4	1.00	34	2.7	-22	
17	5-520A-17	3/23/2007	1	787	0	37	0.1	39.4	0.00	37	-0.1	-10	
											Mean	0.5	-8.7
											Median	-0.1	-9.6
											SD	1.6	30.0
											Minimum	-0.1	-79.4
											Maximum	5.5	43.7

Survey Unit 5-520, Class 1

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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Instrument and Survey Information	alpha eff.	beta eff.
	0.3487	0.1815

07 Survey	Sample Count Time (min) 1.0	Background Count Time (min) 20.0
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Removable Limit
alpha dpm/100 cm ²
20

alpha eff.	beta eff.
0.3588	0.2849

2008 Survey	Sample Count Time (min)	Background Count Time (min)
	1.0	20.0

Removable Limit beta dpm/100 cm ²	200
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Survey Unit 520

Survey Unit 520												
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)	
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	520-1	11/5/2007	8	713	1	31	0.4	35.7	1.00	31	1.7	-26
2	520-2	11/5/2007	8	713	0	28	0.4	35.7	0.00	28	-1.1	-42
3	520-3	11/5/2007	8	713	1	32	0.4	35.7	1.00	32	1.7	-20
4	520-4	11/5/2007	8	713	0	27	0.4	35.7	0.00	27	-1.1	-48
5	520-5	11/5/2007	8	713	1	29	0.4	35.7	1.00	29	1.7	-37
6	520-6	11/5/2007	8	713	0	34	0.4	35.7	0.00	34	-1.1	-9
7	520-7	11/5/2007	8	713	1	27	0.4	35.7	1.00	27	1.7	-48
8	520-8	11/5/2007	8	713	0	30	0.4	35.7	0.00	30	-1.1	-31
9	520-9	11/5/2007	8	713	1	28	0.4	35.7	1.00	28	1.7	-42
10	520-10	11/5/2007	8	713	0	35	0.4	35.7	0.00	35	-1.1	-4
11	520-11	11/5/2007	8	713	0	19	0.4	35.7	0.00	19	-1.1	-92
12	520-12	11/5/2007	8	713	0	30	0.4	35.7	0.00	30	-1.1	-31
13	520-13	11/5/2007	8	713	0	38	0.4	35.7	0.00	38	-1.1	13
14	520-14	11/5/2007	8	713	0	31	0.4	35.7	0.00	31	-1.1	-26
15	520-15	11/5/2007	8	713	2	35	0.4	35.7	2.00	35	4.6	-4
16	520-16	11/5/2007	8	713	0	29	0.4	35.7	0.00	29	-1.1	-37
17	520-17	11/5/2007	8	713	2	34	0.4	35.7	2.00	34	4.6	-9
<div> Mean </div>												
<div> Median </div>												
<div> SD </div>												
<div> Minimum </div>												
<div> Maximum </div>												

Survey Unit 5-524, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

alpha eff.	beta eff.
0.3487	0.1815

07 Survey	
Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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Removable Limit	20
alpha dpm/100 cm ²	

Removable Limit beta dpm/100 cm ²	200
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Survey Unit 524

	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)	
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	5-524-1	11/27/2007	7	667	1	40	0.4	33.4	1.00	40	1.9	37
2	5-524-2	11/27/2007	7	667	0	30	0.4	33.4	0.00	30	-1.0	-18
3	5-524-3	11/27/2007	7	667	0	31	0.4	33.4	0.00	31	-1.0	-13
4	5-524-4	11/27/2007	7	667	1	28	0.4	33.4	1.00	28	1.9	-29
5	5-524-5	11/27/2007	7	667	0	39	0.4	33.4	0.00	39	-1.0	31
6	5-524-6	11/27/2007	7	667	1	29	0.4	33.4	1.00	29	1.9	-24
7	5-524-7	11/27/2007	7	667	0	22	0.4	33.4	0.00	22	-1.0	-63
8	5-524-8	11/27/2007	7	667	0	41	0.4	33.4	0.00	41	-1.0	42
9	5-524-9	11/27/2007	7	667	0	27	0.4	33.4	0.00	27	-1.0	-35
10	5-524-10	11/27/2007	7	667	2	33	0.4	33.4	2.00	33	4.7	-2
11	5-524-11	11/27/2007	7	667	0	37	0.4	33.4	0.00	37	-1.0	20
12	5-524-12	11/27/2007	7	667	1	35	0.4	33.4	1.00	35	1.9	9
13	5-524-13	11/27/2007	7	667	0	36	0.4	33.4	0.00	36	-1.0	15
14	5-524-14	11/27/2007	7	667	0	23	0.4	33.4	0.00	23	-1.0	-57
15	5-524-15	11/27/2007	7	667	0	31	0.4	33.4	0.00	31	-1.0	-13
16	5-524-16	11/27/2007	7	667	1	38	0.4	33.4	1.00	38	1.9	26
17	5-524-17	11/27/2007	7	667	0	41	0.4	33.4	0.00	41	-1.0	42
											Mean	-1.9
											Median	-1.9
											SD	33.2
											Minimum	-62.5
											Maximum	42.1

Survey Unit 5-525A, Class 1

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Survey Unit 5-525A

	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)	
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	525A-1	11/2/2007	4	630	0	31	0.2	31.5	0.00	31	-0.6	-3
2	525A-2	11/2/2007	4	630	0	29	0.2	31.5	0.00	29	-0.6	-14
3	525A-3	11/2/2007	4	630	0	32	0.2	31.5	0.00	32	-0.6	3
4	525A-4	11/2/2007	4	630	2	30	0.2	31.5	2.00	30	5.2	-8
5	525A-5	11/2/2007	4	630	0	25	0.2	31.5	0.00	25	-0.6	-36
6	525A-6	11/2/2007	4	630	1	28	0.2	31.5	1.00	28	2.3	-19
7	525A-7	11/2/2007	4	630	0	36	0.2	31.5	0.00	36	-0.6	25
8	525A-8	11/2/2007	4	630	1	42	0.2	31.5	1.00	42	2.3	58
9	525A-9	11/2/2007	4	630	1	29	0.2	31.5	1.00	29	2.3	-14
10	525A-10	11/2/2007	4	630	1	25	0.2	31.5	1.00	25	2.3	-36
11	525A-11	11/2/2007	4	630	1	35	0.2	31.5	1.00	35	2.3	19
12	525A-12	11/2/2007	4	630	0	41	0.2	31.5	0.00	41	-0.6	52
13	525A-13	11/2/2007	4	630	0	38	0.2	31.5	0.00	38	-0.6	36
14	525A-14	11/2/2007	4	630	1	32	0.2	31.5	1.00	32	2.3	3
15	525A-15	11/2/2007	4	630	1	27	0.2	31.5	1.00	27	2.3	-25
16	525A-16	11/2/2007	4	630	0	38	0.2	31.5	0.00	38	-0.6	36
17	525A-17	11/2/2007	4	630	0	27	0.2	31.5	0.00	27	-0.6	-25
										Mean	0.9	3.1
										Median	-0.6	-2.8
										SD	1.8	29.7
										Minimum	-0.6	-35.8
										Maximum	5.2	57.9

DHS-EML FSS Removable Activity Results

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Fall 2007 Survey

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Survey Unit 5-525B[illegible]

Survey Unit 5-526, Class 1

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 526

Survey Unit 526												
ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
		alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	5-526-1	11/27/2007	7	667	0	28	0.4	33.4	0.00	28	-1.0	-29
2	5-526-2	11/27/2007	7	667	0	36	0.4	33.4	0.00	36	-1.0	15
3	5-526-3	11/27/2007	7	667	0	31	0.4	33.4	0.00	31	-1.0	-13
4	5-526-4	11/27/2007	7	667	0	32	0.4	33.4	0.00	32	-1.0	-7
5	5-526-5	11/27/2007	7	667	1	43	0.4	33.4	1.00	43	1.9	53
6	5-526-6	11/27/2007	7	667	0	38	0.4	33.4	0.00	38	-1.0	26
7	5-526-7	11/27/2007	7	667	0	29	0.4	33.4	0.00	29	-1.0	-24
8	5-526-8	11/27/2007	7	667	2	36	0.4	33.4	2.00	36	4.7	15
9	5-526-9	11/27/2007	7	667	2	38	0.4	33.4	2.00	38	4.7	26
10	5-526-10	11/27/2007	7	667	0	41	0.4	33.4	0.00	41	-1.0	42
11	5-526-11	11/27/2007	7	667	0	38	0.4	33.4	0.00	38	-1.0	26
12	5-526-12	11/27/2007	7	667	0	32	0.4	33.4	0.00	32	-1.0	-7
13	5-526-13	11/27/2007	7	667	0	44	0.4	33.4	0.00	44	-1.0	59
14	5-526-14	11/27/2007	7	667	0	31	0.4	33.4	0.00	31	-1.0	-13
15	5-526-15	11/27/2007	7	667	1	27	0.4	33.4	1.00	27	1.9	-35
16	5-526-16	11/27/2007	7	667	0	47	0.4	33.4	0.00	47	-1.0	75
17	5-526-17	11/27/2007	7	667	0	31	0.4	33.4	0.00	31	-1.0	-13
											Mean	11.4
											Median	-1.0
											SD	2.0
											Minimum	-1.0
											Maximum	4.7

Survey Unit 5-527, Class 1

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3487	0.1815

Instrument and Survey Information - Fall 2007 Survey

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

alpha eff.	beta eff.
0.3588	0.2849

2008 Survey	
Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 527

Survey Unit 527													
ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)			
		alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta		
1	5-524-1	11/27/2007	7	667	1	40	0.4	33.4	1.00	40	1.9	37	
2	5-524-2	11/27/2007	7	667	0	30	0.4	33.4	0.00	30	-1.0	-18	
3	5-524-3	11/27/2007	7	667	0	31	0.4	33.4	0.00	31	-1.0	-13	
4	5-524-4	11/27/2007	7	667	1	28	0.4	33.4	1.00	28	1.9	-29	
5	5-524-5	11/27/2007	7	667	0	39	0.4	33.4	0.00	39	-1.0	31	
6	5-524-6	11/27/2007	7	667	1	29	0.4	33.4	1.00	29	1.9	-24	
7	5-524-7	11/27/2007	7	667	0	22	0.4	33.4	0.00	22	-1.0	-63	
8	5-524-8	11/27/2007	7	667	0	41	0.4	33.4	0.00	41	-1.0	42	
9	5-524-9	11/27/2007	7	667	0	27	0.4	33.4	0.00	27	-1.0	-35	
10	5-524-10	11/27/2007	7	667	2	33	0.4	33.4	2.00	33	4.7	-2	
11	5-524-11	11/27/2007	7	667	0	37	0.4	33.4	0.00	37	-1.0	20	
12	5-524-12	11/27/2007	7	667	1	35	0.4	33.4	1.00	35	1.9	9	
13	5-524-13	11/27/2007	7	667	0	36	0.4	33.4	0.00	36	-1.0	15	
14	5-524-14	11/27/2007	7	667	0	23	0.4	33.4	0.00	23	-1.0	-57	
15	5-524-15	11/27/2007	7	667	0	31	0.4	33.4	0.00	31	-1.0	-13	
16	5-524-16	11/27/2007	7	667	1	38	0.4	33.4	1.00	38	1.9	26	
16	5-524-17	11/27/2007	7	667	0	41	0.4	33.4	0.00	41	-1.0	42	
17	5-527-18	11/27/2007	7	667	0	39	0.4	33.4	0.00	39	-1.0	31	
											Mean	0.1	-0.1
											Median	-1.0	3.6
											SD	1.7	33.2
											Minimum	-1.0	-62.5
											Maximum	4.7	42.1

Survey Unit 5-528I, Class 1

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 528-I

Survey Unit 528-I													
ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)			
		alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta		
1	5-528I-1	3/21/2007	1	740	0	34	0.1	37.0	0.00	34	-0.1	-12	
2	5-528I-2	3/21/2007	1	740	2	38	0.1	37.0	2.00	38	5.5	4	
3	5-528I-3	3/21/2007	1	740	0	39	0.1	37.0	0.00	39	-0.1	8	
4	5-528I-4	3/21/2007	1	740	1	43	0.1	37.0	1.00	43	2.7	25	
5	5-528I-5	3/21/2007	1	740	0	34	0.1	37.0	0.00	34	-0.1	-12	
6	5-528I-6	3/21/2007	1	740	0	33	0.1	37.0	0.00	33	-0.1	-16	
7	5-528I-7	3/21/2007	1	740	0	35	0.1	37.0	0.00	35	-0.1	-8	
8	5-528I-8	3/21/2007	1	740	0	42	0.1	37.0	0.00	42	-0.1	21	
9	5-528I-9	3/21/2007	1	740	0	35	0.1	37.0	0.00	35	-0.1	-8	
10	5-528I-10	3/21/2007	1	740	0	43	0.1	37.0	0.00	43	-0.1	25	
11	5-528I-11	3/21/2007	1	740	0	39	0.1	37.0	0.00	39	-0.1	8	
12	5-528I-12	3/21/2007	1	740	0	30	0.1	37.0	0.00	30	-0.1	-29	
13	5-528I-13	3/21/2007	1	740	0	39	0.1	37.0	0.00	39	-0.1	8	
14	5-528I-14	3/21/2007	1	740	0	34	0.1	37.0	0.00	34	-0.1	-12	
15	5-528I-15	3/21/2007	1	740	0	42	0.1	37.0	0.00	42	-0.1	21	
16	5-528I-16	3/21/2007	1	740	0	30	0.1	37.0	0.00	30	-0.1	-29	
17	5-528I-17	3/21/2007	1	740	0	45	0.1	37.0	0.00	45	-0.1	33	
											Mean	0.4	1.4
											Median	-0.1	4.1
											SD	1.5	19.1
											Minimum	-0.1	-28.7
											Maximum	5.5	32.8

Survey Unit 5-528T, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	20.0
Background Count Time (min)	1.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 528T

Survey Count 5201													
ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)			
		alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta		
1	528T - 1	11/6/2007	3	619	1	39	0.2	31.0	1.00	39	2.4	44	
2	528T - 2	11/6/2007	3	619	2	35	0.2	31.0	2.00	35	5.3	22	
3	528T - 3	11/6/2007	3	619	0	31	0.2	31.0	0.00	31	-0.4	0	
4	528T - 4	11/6/2007	3	619	0	23	0.2	31.0	0.00	23	-0.4	-44	
5	528T - 5	11/6/2007	3	619	0	27	0.2	31.0	0.00	27	-0.4	-22	
6	528T - 6	11/6/2007	3	619	0	34	0.2	31.0	0.00	34	-0.4	17	
7	528T - 7	11/6/2007	3	619	0	32	0.2	31.0	0.00	32	-0.4	6	
8	528T - 8	11/6/2007	3	619	0	39	0.2	31.0	0.00	39	-0.4	44	
9	528T - 9	11/6/2007	3	619	2	30	0.2	31.0	2.00	30	5.3	-5	
10	528T - 10	11/6/2007	3	619	2	37	0.2	31.0	2.00	37	5.3	33	
11	528T - 11	11/6/2007	3	619	1	30	0.2	31.0	1.00	30	2.4	-5	
12	528T - 12	11/6/2007	3	619	0	30	0.2	31.0	0.00	30	-0.4	-5	
13	528T - 13	11/6/2007	3	619	0	32	0.2	31.0	0.00	32	-0.4	6	
14	528T - 14	11/6/2007	3	619	0	27	0.2	31.0	0.00	27	-0.4	-22	
15	528T - 15	11/6/2007	3	619	0	40	0.2	31.0	0.00	40	-0.4	50	
16	528T - 16	11/6/2007	3	619	0	23	0.2	31.0	0.00	23	-0.4	-44	
17	528T - 17	11/6/2007	3	619	0	35	0.2	31.0	0.00	35	-0.4	22	
											Mean	0.9	5.8
											Median	-0.4	5.8
											SD	2.3	28.7
											Minimum	-0.4	-43.8
											Maximum	5.3	49.9

Survey Unit 5-536, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Fall 2007 Survey

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 5-536

Survey Unit 5-536														
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)			
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta		
1	5-536-1	3/19/2007	3	773	1	34	0.2	38.7	1.00	34	2.4	-19		
2	5-536-2	3/19/2007	3	773	0	39	0.2	38.7	0.00	39	-0.4	1		
3	5-536-3	3/19/2007	3	773	0	27	0.2	38.7	0.00	27	-0.4	-48		
4	5-536-4	3/19/2007	3	773	0	44	0.2	38.7	0.00	44	-0.4	22		
5	5-536-5	3/19/2007	3	773	0	32	0.2	38.7	0.00	32	-0.4	-27		
6	5-536-6	3/19/2007	3	773	0	38	0.2	38.7	0.00	38	-0.4	-3		
7	5-536-7	3/19/2007	3	773	0	38	0.2	38.7	0.00	38	-0.4	-3		
8	5-536-8	3/19/2007	3	773	0	44	0.2	38.7	0.00	44	-0.4	22		
9	5-536-9	3/19/2007	3	773	0	32	0.2	38.7	0.00	32	-0.4	-27		
10	5-536-10	3/19/2007	3	773	0	40	0.2	38.7	0.00	40	-0.4	6		
11	5-536-11	3/19/2007	3	773	0	36	0.2	38.7	0.00	36	-0.4	-11		
12	5-536-12	3/19/2007	3	773	0	30	0.2	38.7	0.00	30	-0.4	-35		
13	5-536-13	3/19/2007	3	773	0	42	0.2	38.7	0.00	42	-0.4	14		
14	5-536-14	3/19/2007	3	773	0	52	0.2	38.7	0.00	52	-0.4	55		
15	5-536-15	3/19/2007	3	773	0	35	0.2	38.7	0.00	35	-0.4	-15		
16	5-536-16	3/19/2007	3	773	1	41	0.2	38.7	1.00	41	2.4	10		
17	5-536-17	3/19/2007	3	773	0	39	0.2	38.7	0.00	39	-0.4	1		
												Mean	-0.1	-3.4
												Median	-0.4	-2.7
												SD	0.9	24.8
												Minimum	-0.4	-47.8
												Maximum	2.4	54.8

Survey Unit 5-538, Class 1

Instrument and Survey Information - Spring 2007 Survey		Sample Count Time (min)		Background Count Time (min)
alpha eff.	beta eff.			
0.3559	0.2437	1.0		20.0

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Instrument and Survey Information	alpha eff.	beta eff.
	0.3588	0.2849

2008 Survey	Sample Count Time (min)	Background Count Time (min)
	1.0	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 5-538

Survey Unit 5-538												
ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
		alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	5-538-1	3/21/2007	1	740	0	48	0.1	37.0	0.00	48	-0.1	45
2	5-538-2	3/21/2007	1	740	0	32	0.1	37.0	0.00	32	-0.1	-21
3	5-538-3	3/21/2007	1	740	0	27	0.1	37.0	0.00	27	-0.1	-41
4	5-538-4	3/21/2007	1	740	0	26	0.1	37.0	0.00	26	-0.1	-45
5	5-538-5	3/21/2007	1	740	0	32	0.1	37.0	0.00	32	-0.1	-21
6	5-538-6	3/21/2007	1	740	0	49	0.1	37.0	0.00	49	-0.1	49
7	5-538-7	3/21/2007	1	740	0	28	0.1	37.0	0.00	28	-0.1	-37
8	5-538-8	3/21/2007	1	740	0	36	0.1	37.0	0.00	36	-0.1	-4
9	5-538-9	3/21/2007	1	740	0	35	0.1	37.0	0.00	35	-0.1	-8
10	5-538-10	3/21/2007	1	740	0	33	0.1	37.0	0.00	33	-0.1	-16
11	5-538-11	3/21/2007	1	740	0	37	0.1	37.0	0.00	37	-0.1	0
12	5-538-12	3/21/2007	1	740	0	38	0.1	37.0	0.00	38	-0.1	4
13	5-538-13	3/21/2007	1	740	0	29	0.1	37.0	0.00	29	-0.1	-33
14	5-538-14	3/21/2007	1	740	0	44	0.1	37.0	0.00	44	-0.1	29
15	5-538-15	3/21/2007	1	740	0	38	0.1	37.0	0.00	38	-0.1	4
16	5-538-16	3/21/2007	1	740	0	34	0.1	37.0	0.00	34	-0.1	-12
17	5-538-17	3/21/2007	1	740	0	42	0.1	37.0	0.00	42	-0.1	21
											Mean	-5.1
											Median	-8.2
											SD	28.3
											Minimum	-45.1
											Maximum	49.2

Survey Unit 5-541A, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Fall 2007 Survey

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit	
alpha dpm/100 cm ²	20

Removable Limit beta dpm/100 cm ²	200
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Survey Unit 5-541A

Survey Unit 5-541A													
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	5-541A-1	10/22/2007	2	628	0	32	0.1	31.4	0.00	32	-0.3	3	
2	5-541A-2	10/22/2007	2	628	0	26	0.1	31.4	0.00	26	-0.3	-30	
3	5-541A-3	10/22/2007	2	628	0	35	0.1	31.4	0.00	35	-0.3	20	
4	5-541A-4	10/22/2007	2	628	0	31	0.1	31.4	0.00	31	-0.3	-2	
5	5-541A-5	10/22/2007	2	628	1	31	0.1	31.4	1.00	31	2.6	-2	
6	5-541A-6	10/22/2007	2	628	0	33	0.1	31.4	0.00	33	-0.3	9	
7	5-541A-7	10/22/2007	2	628	0	29	0.1	31.4	0.00	29	-0.3	-13	
8	5-541A-8	10/22/2007	2	628	0	35	0.1	31.4	0.00	35	-0.3	20	
9	5-541A-9	10/22/2007	2	628	1	33	0.1	31.4	1.00	33	2.6	9	
10	5-541A-10	10/22/2007	2	628	1	35	0.1	31.4	1.00	35	2.6	20	
11	5-541A-11	10/22/2007	2	628	0	26	0.1	31.4	0.00	26	-0.3	-30	
12	5-541A-12	10/22/2007	2	628	0	24	0.1	31.4	0.00	24	-0.3	-41	
13	5-541A-13	10/22/2007	2	628	0	33	0.1	31.4	0.00	33	-0.3	9	
14	5-541A-14	10/22/2007	2	628	0	26	0.1	31.4	0.00	26	-0.3	-30	
15	5-541A-15	10/22/2007	2	628	0	34	0.1	31.4	0.00	34	-0.3	14	
16	5-541A-16	10/22/2007	2	628	0	23	0.1	31.4	0.00	23	-0.3	-46	
17	5-541A-17	10/22/2007	2	628	0	34	0.1	31.4	0.00	34	-0.3	14	
											Mean	0.2	-4.5
											Median	-0.3	3.3
											SD	1.1	22.6
											Minimum	-0.3	-46.3
											Maximum	2.6	19.8

Survey Unit 5-541B, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0	Background Count Time (min)	20.0
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Removable Limit	20
alpha dpm/100 cm ²	

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit beta dpm/100 cm ²	200
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Survey Unit 5-541B

[illegible]

Survey Unit 5-541C, Class 1

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 5-541C[illegible]

Survey Unit 5-544, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Fall 2007 Survey

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Removable Limit	
alpha dpm/100 cm ²	20

Removable Limit beta dpm/100 cm ²	200
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Survey Unit 5-544

Survey Unit S-544													
	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)		
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	
1	5-544-1	3/27/2008	13	1432	1	100	0.7	71.6	1.00	100	1.0	100	
2	5-544-2	3/27/2008	13	1432	0	78	0.7	71.6	0.00	78	-1.8	22	
3	5-544-3	3/27/2008	13	1432	1	70	0.7	71.6	1.00	70	1.0	-6	
4	5-544-4	3/27/2008	13	1432	0	91	0.7	71.6	0.00	91	-1.8	68	
5	5-544-5	3/27/2008	13	1432	2	75	0.7	71.6	2.00	75	3.8	12	
6	5-544-6	3/27/2008	13	1432	0	71	0.7	71.6	0.00	71	-1.8	-2	
7	5-544-7	3/27/2008	13	1432	3	68	0.7	71.6	3.00	68	6.5	-13	
8	5-544-8	3/27/2008	13	1432	0	70	0.7	71.6	0.00	70	-1.8	-6	
9	5-544-9	3/27/2008	13	1432	0	73	0.7	71.6	0.00	73	-1.8	5	
10	5-544-10	3/27/2008	13	1432	0	75	0.7	71.6	0.00	75	-1.8	12	
11	5-544-11	3/27/2008	13	1432	0	77	0.7	71.6	0.00	77	-1.8	19	
12	5-544-12	3/27/2008	13	1432	0	72	0.7	71.6	0.00	72	-1.8	1	
13	5-544-13	3/27/2008	13	1432	0	69	0.7	71.6	0.00	69	-1.8	-9	
14	5-544-14	3/27/2008	13	1432	2	83	0.7	71.6	2.00	83	3.8	40	
15	5-544-15	3/27/2008	13	1432	1	74	0.7	71.6	1.00	74	1.0	8	
16	5-544-16	3/27/2008	13	1432	0	76	0.7	71.6	0.00	76	-1.8	15	
17	5-544-17	3/27/2008	13	1432	0	66	0.7	71.6	0.00	66	-1.8	-20	
											Mean	-0.2	14.6
											Median	-1.8	8.4
											SD	2.6	30.3
											Minimum	-1.8	-19.7
											Maximum	6.5	99.7

Survey Unit 552A-F, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Fall 2007 Survey

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Survey Unit 552A-F

Survey Unit 552A-F													
ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)			
		alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta		
1	5-552A-F-1	3/7/2008	9	1495	1	75	0.5	74.8	1.00	75	1.5	1	
2	5-552A-F-2	3/7/2008	9	1495	0	71	0.5	74.8	0.00	71	-1.3	-13	
3	5-552A-F-3	3/7/2008	9	1495	0	75	0.5	74.8	0.00	75	-1.3	1	
4	5-552A-F-4	3/7/2008	9	1495	0	84	0.5	74.8	0.00	84	-1.3	32	
5	5-552A-F-5	3/7/2008	9	1495	0	92	0.5	74.8	0.00	92	-1.3	61	
6	5-552A-F-6	3/7/2008	9	1495	0	67	0.5	74.8	0.00	67	-1.3	-27	
7	5-552A-F-7	3/7/2008	9	1495	0	85	0.5	74.8	0.00	85	-1.3	36	
8	5-552A-F-8	3/7/2008	9	1495	1	75	0.5	74.8	1.00	75	1.5	1	
9	5-552A-F-9	3/7/2008	9	1495	0	94	0.5	74.8	0.00	94	-1.3	68	
10	5-552A-F-10	3/7/2008	9	1495	0	77	0.5	74.8	0.00	77	-1.3	8	
11	5-552A-F-11	3/7/2008	9	1495	0	81	0.5	74.8	0.00	81	-1.3	22	
12	5-552A-F-12	3/7/2008	9	1495	1	76	0.5	74.8	1.00	76	1.5	4	
13	5-552A-F-13	3/7/2008	9	1495	0	77	0.5	74.8	0.00	77	-1.3	8	
14	5-552A-F-14	3/7/2008	9	1495	0	78	0.5	74.8	0.00	78	-1.3	11	
15	5-552A-F-15	3/7/2008	9	1495	0	79	0.5	74.8	0.00	79	-1.3	15	
16	5-552A-F-16	3/7/2008	9	1495	0	85	0.5	74.8	0.00	85	-1.3	36	
17	5-552A-F-17	3/7/2008	9	1495	0	84	0.5	74.8	0.00	84	-1.3	32	
											Mean	-0.8	17.4
											Median	-1.3	11.4
											SD	1.1	24.6
											Minimum	-1.3	-27.2
											Maximum	1.5	67.6

Survey Unit 552A-W, Class 1

Instrument and Survey Information - Spring 2007 Survey

alpha eff.	beta eff.
0.3559	0.2437

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Fall 2007 Survey

alpha eff.	beta eff.
0.3487	0.1815

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Instrument and Survey Information - Spring 2008 Survey

alpha eff.	beta eff.
0.3588	0.2849

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Removable Limit alpha dpm/100 cm ²	20
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Removable Limit beta dpm/100 cm ²	200
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Survey Unit 552A-W

[illegible]

Survey Unit 552A-RR, Class 1

Instrument and Survey Information - Spring 2007 Survey		Sample Count Time (min)	Background Count Time (min)
alpha eff.	beta eff.	1.0	20.0
0.3559	0.2437		

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Instrument and Survey Information - Fall 2007 Survey

Sample Count Time (min)	Background Count Time (min)
1.0	20.0

Instrument and Survey Information - Spring 2008 Survey

Sample Count Time (min)	1.0
Background Count Time (min)	20.0

Removable Limit	
alpha dpm/100 cm ²	20

Removable Limit beta dpm/100 cm ²	200
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Survey Unit 552A-RR

	ID	Date	Background Counts		Sample Counts		Background cpm		Sample cpm		Sample (dpm/100 cm ²)	
			alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	5-552A-RR-1	2/27/2008	9	1491	0	88	0.5	74.6	0.00	88	-1.3	47
2	5-552A-RR-2	2/27/2008	9	1491	0	87	0.5	74.6	0.00	87	-1.3	44
3	5-552A-RR-3	2/27/2008	9	1491	0	71	0.5	74.6	0.00	71	-1.3	-12
4	5-552A-RR-4	2/27/2008	9	1491	0	85	0.5	74.6	0.00	85	-1.3	37
5	5-552A-RR-5	2/27/2008	9	1491	1	68	0.5	74.6	1.00	68	1.5	-23
6	5-552A-RR-6	2/27/2008	9	1491	0	73	0.5	74.6	0.00	73	-1.3	-5
7	5-552A-RR-7	2/27/2008	9	1491	0	84	0.5	74.6	0.00	84	-1.3	33
8	5-552A-RR-8	2/27/2008	9	1491	2	81	0.5	74.6	2.00	81	4.3	23
9	5-552A-RR-9	2/27/2008	9	1491	1	85	0.5	74.6	1.00	85	1.5	37
10	5-552A-RR-10	2/27/2008	9	1491	0	91	0.5	74.6	0.00	91	-1.3	58
11	5-552A-RR-11	2/27/2008	9	1491	1	76	0.5	74.6	1.00	76	1.5	5
12	5-552A-RR-12	2/27/2008	9	1491	0	95	0.5	74.6	0.00	95	-1.3	72
13	5-552A-RR-13	2/27/2008	9	1491	0	93	0.5	74.6	0.00	93	-1.3	65
14	5-552A-RR-14	2/27/2008	9	1491	0	90	0.5	74.6	0.00	90	-1.3	54
15	5-552A-RR-15	2/27/2008	9	1491	0	81	0.5	74.6	0.00	81	-1.3	23
16	5-552A-RR-16	2/27/2008	9	1491	1	89	0.5	74.6	1.00	89	1.5	51
17	5-552A-RR-17	2/27/2008	9	1491	3	71	0.5	74.6	3.00	71	4.3	-12

Mean	0.2	29.0
Median	-1.3	36.7
SD	2.4	29.3
Minimum	-1.3	-23.0
Maximum	7.1	71.8