

Tritium Laboratory
February 2, 2009

COURTESY SWAB REPORT #507

SWAB DATE: 28 January 2009

UDE Radioisotope Van & Mixed-Use Van

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Distribution:
SWAB Committee
Tim Deering

REPORT FOR COURTESY SWAB # 507

LOCATION: Lewes, DE
TECHNICIAN: Brian Kidd
VESSEL/LAB: R/V Hugh Sharp

DATE: 28 January 2009
STATUS: See Comments

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		3H dpm/m2	14C dpm/m2
1	Machine Blank	-	-
2	Initial bucket blank (C.O. #1)	0	0
<u>Radioisotope Van (See Figure 1)</u>			
3	Deck inside entrance closest to fume hood	315	0
4	Inside fume hood	457	0
5	Benchtop between sink and fume hood	52	0
6	Sink area	166	4
7	Deck inside entrance closest to LSC	204	8
8	Deck center of van	643*	0
9	Benchtop across LSC	76	6
10	Benchtop left of Percival Sci.	130	0
11	Top of Percival Scientific	1,462*	93*
12	Inside black refrigerator bottom	8,616*	0
13	Inside freezer bottom	0	0
<u>Mixed-Use Van (See Figure 2)</u>			
14	Sink area	52	0
15	Benchtop above refrigerator	0	0
16	Benchtop left of entrance furthest from sink	88	0
17	Deck inside entrance furthest from sink	8,135*	0
18	Deck center of van	140	0
19	Deck inside entrance closest to sink	16	0
20	Benchtop across sink	7	0
21	Benchtop right of entrance furthest from sink	248	0
22	Inside refrigerator	4,264*	0
23	Final bucket blank	0	0

Comments

Mild tritium and C14 contamination was found in the radioisotope van. In the Mixed-Use van tritium contamination was also detected. Contaminated areas in the Mixed-Used van must be cleaned before any natural tracer work.