

Tritium Laboratory
27 August 2009

SWAB REPORT #525

SWAB DATE: 13 August 2009

R/V Knorr
Radioisotope Van and UNOLS Shared-Use Van

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Distribution:
SWAB Committee
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REPORT FOR SWAB # 525

LOCATION: Honolulu, HI
 TECHNICIAN: Cecilia Roig
 VESSEL/LAB: R/V Knorr

DATE: 13 August 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	1
<u>Main Lab (See Figure 1)</u>			
3	Deck in front of aft sink	0	0
4	Bench top fwd. of aft sink	0	0
5	Deck in front of fwd. sink	0	3
6	Deck inside door to aft stairwell	25	0
7	Ice inside chest freezer	0	15
8	Deck at top of fwd. stairwell	0	17
9	Deck inside door to Analytical Lab	19	0
10	Deck in aft hanger	17	0
<u>Main Deck (See Figure 2)</u>			
11	Aft bench top in Analytical Lab	0	0
12	Deck inside stbd. door to Analytical Lab	0	0
13	Deck in passage by aft Mess door	0	0
14	Deck in passageway next to water fountain	0	0
15	Benchtop fwd. of sink	0	0
16	Deck center of Wet Lab	0	0
17	Deck in fwd. hanger	0	9
18	Deck outside entrance to passageway	0	0
19	Intermediate bucket blank	0	0
<u>Upper Lab (See Figure 3)</u>			
20	Inside fume hood	0	0
21	Deck inside stbd. door	0	27
22	Deck in front of sink	47	0
23	Bench top aft of sink	0	0
24	Deck center of lab	0	0
25	Deck between fwd. doors	0	0
<u>Radioisotope Van (See Figure 4)</u>			
26	Bench top across sink	223	2,434*
27	Bench top above freezer	45	156*
28	Bench top across fume hood	0	10
29	Inside hood	0	0
30	Bench top above fridge	0	155*
31	Deck under escape hatch	0	79*
32	Inside freezer	31	295*
33	Deck center of van	51	449*
34	Inside fridge	23	435*
35	Deck at entrance	25	143*

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		3H dpm/m2	14C dpm/m2
<u>UNOLS Shared-Use Van TEXU 2256095 (See Figure 5)</u>			
36	Inside fume hood	94	0
37	Bench top between hood and LSC	36	0
38	Deck between LSC and sink	0	0
39	Sink area	0	0
40	Bench top above refrigerator	0	0
41	Inside refrigerator	203	0
42	Bench top above freezer	0	0
43	Inside freezer	45	0
44	Deck center of van	45	0
45	Deck at entrance next to escape hatch	0	10
46	Final bucket blank	0	0

Comments

All areas tested on ship and UNOLS Shared-Use van were clean of isotope contamination. Minor C14 contamination found in the Radioisotope Van, no action required at this time.