

Tritium Laboratory
September 4, 2009

SWAB REPORT #528

SWAB DATE: August 25, 2009

R/V *Hugh Sharp*
UDE Radioisotope Van & UNOLS Shared-Use Van

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Distribution:
SWAB Committee
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REPORT FOR SWAB # 528

LOCATION: Lewes, DE
 TECHNICIAN: Cecilia Roig
 VESSEL/LAB: R/V Hugh Sharp

DATE: 25 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)	5	0
<u>Dry Lab (See Figure 1)</u>			
3	Inside Whirlpool freezer top	1	0
4	Inside Whirlpool refrigerator bottom	0	0
5	Inside Holiday freezer (Seawater Only)	0	0
6	Bench top middle port	0	0
7	Deck in front of Whirlpool	0	0
8	Deck in front of sink	45	0
9	Sink area	10	0
10	Aft stbd. bench top	0	0
<u>Wet Lab (See Figure 1)</u>			
11	Inside small chest freezer	0	0
12	Inside Roper fridge top	166	0
13	Inside Roper refrigerator bottom	21	0
14	Stbd. sink area	0	0
15	Aft sink area	0	0
16	Deck center of vestibule area	15	0
17	Intermediate bucket blank	0	0
<u>UNOLS Shared-Use Van (See Figure 2)</u>			
18	Bench top across sink	0	0
19	Bench top across refrigerator	0	0
20	Inside hood	0	0
21	Bench top above Danby freezer	0	0
22	Bench top above Danby refrigerator	31	47
23	Sink area	0	0
24	Inside freezer	0	0
25	Inside refrigerator	0	0
26	Deck at double doors	13	0
27	Deck center of van	0	0
28	Deck at entrance next to sink	0	0
29	Intermediate bucket blank	0	0
<u>Radioisotope Van (See Figure 3)</u>			
30	Inside fume hood	311	0
31	Bench top above refrigerator	429	0
32	Sink area	1,175*	0
33	Bench top across LSC	2,443*	0
34	Bench top above freezer	2,631*	0
35	Top of Percival	69	0
36	Inside refrigerator	3,213*	1
37	Inside freezer	38	0

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		3H dpm/m2	14C dpm/m2
38	Deck at entrance close to LSC	142	0
39	Deck center of van	1,336*	0
40	Deck at entrance close to fume hood	184	0
41	Final bucket blank	45	0

Comments

All areas tested on the ship and UNOLS Shared-Use Van were free of isotope contamination. Minor tritium contamination found in the radioisotope van. Radioisotope van deck should be cleaned to prevent tracking into ship areas.

Figure 1
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