

Tritium Laboratory
26 October 2010

SWAB REPORT # 562

SWAB DATE: 14 October 2010

R/V Thomas Thompson
and UWA Radioisotope Van

Dr. James D. Happell
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Distribution:
SWAB Committee
James R. Postel

REPORT FOR SWAB # 562

LOCATION: Seattle, WA
 TECHNICIAN: Cecilia Roig
 VESSEL/LAB: *R/V Thomas Thompson*

DATE: 14 October 2010
 STATUS: See Comments

#	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		^3H dpm/m ²	^{14}C dpm/m ²
1	1st Vial Bkgnd	0	0
2	Initial bucket blank	0	0
<u>Radioisotope Van (See Figure 1)</u>			
3	Inside hood	9	0
4	Bench top across sink	20	0
5	Inside Haier refrigerator	10039 **	260 *
6	Sink area	26	2
7	Bench top across LSC	0	0
8	Bench top across hood	46	0
9	Deck inside entrance next to escape hatc	11	0
10	Deck center of van	0	13
11	Deck inside entrance next to sink	0	21
12	Intermediate bucket blank	0	0
<u>Main Lab (See Figure 2)</u>			
13	Fume hood	0	0
14	Deck inside aft entrance	0	0
15	Inside Cospolich	0	0
16	Deck in front of stbd. sink	0	4
17	Inside stbd. So-Low	0	0
18	Inside stbd. GE freezer top	0	0
19	Inside stbd. GE refrigerator bottom	5	34
20	Inside port GE freezer top	0	0
21	Inside port GE refrigerator bottom	0	0
22	Inside aft So-Low	0	11
23	Port sink area	0	0
24	Deck in front of port sink	0	0
25	Stbd. sink area	0	0
26	Deck inside fwd. port door	0	8
27	Deck inside aft double port door	0	0
28	Bench top across sink (next to GEs)	0	0

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		^3H dpm/m ²	^{14}C dpm/m ²
	<u>Bio/Analytical Lab (See Figure 3)</u>		
29	Inside hood	34	0
30	Inside refrigerator top	0	1
31	Inside refrigerator bottom	10	0
32	Aft sink area	0	0
33	Center bench top	0	0
34	Fwd. sink area	0	9
35	Deck inside stbd. door	0	0
36	Deck in cold chamber vestibule	0	0
	<u>Hydro Lab (See Figure 3)</u>		
37	Inside hood	0	0
38	Deck in front of hood	0	0
39	Deck inside stbd. double door	0	13
40	Bench top under electrical panel	0	2
41	Deck inside aft door	17	0
	<u>Wet Lab (See Figure 4)</u>		
42	Inside hood	17	2
43	Sink area	0	5
44	Deck in Staging Bay	0	0
45	Deck center of Lab	4	0
46	Final bucket blank	0	46

Comments

All areas tested on ship were clean of isotope contamination. The radioisotope van was clean except for one sample. ^3H and ^{14}C contamination was found inside the refrigerator, this area needs to be cleaned.

