

Tritium Laboratory
September 25, 2009

SWAB REPORT #530
SWAB DATE: 18 September 2009

R/V Atlantic Explorer
and Radioisotope Van

Dr. James D. Happell
Associate Research Professor

Distribution:
SWAB COMMITTEE
James Caison

REPORT FOR SWAB # 530

LOCATION: St. Georges, Bermuda
 TECHNICIAN: Cecilia Roig
 VESSEL/LAB: R/V Atlantic Explorer

DATE: 18 September 2009
 STATUS: See **Comments**

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		³ H dpm/m ²	¹⁴ C dpm/m ²
1	Machine Blank	-	-
2	Initial bucket blank C.O. #1	0	0
<u>Aft/Wet Lab (See Figure 1)</u>			
3	Inside fume hood	0	0
4	Deck at entrance to fume hood room	0	0
5	Bench top fwd. of sink	0	0
6	Inside Roper freezer top	0	0
7	Inside Roper refrigerator bottom	0	0
8	Inside small black GE refrigerator bottom	31	0
9	Fwd. bench top	0	0
10	Deck at fwd. entrance	31	0
<u>Dry Lab (See Figure 1)</u>			
11	Bench top aft of sink	0	0
12	Bench top fwd. of sink	0	0
13	Fwd. bench top	0	0
14	Inside stbd. entrance	0	0
15	Deck at entrance in Infirmary	13	0
16	Deck at top of stairs	0	0
17	Deck in front of ice machine in Mess	0	0
<u>Main Lab (See Figure 1)</u>			
18	Inside port Frigidaire freezer	0	0
19	Inside aft Frigidarire freezer	0	0
20	Bench top aft of sink	0	0
21	Bench top fwd. of sink	0	0
22	Inside clean air bench	29	0
23	Stbd. bench top	0	0
24	Aft bench top	0	0
25	Deck in front of freezer	0	0
26	Deck in front of stbd. bench	0	0
27	Deck in front of aft bench	0	0
28	Inside GE freezer (Wet Lab)	0	0
29	Intermediate bucket blank	0	0
<u>Radioisotope Van (See Figure 2)</u>			
30	Inside fume hood	368	0
31	Inside GE freezer	2,053*	0
32	Bench top left of fume hood	553*	0
33	Sink area	1,125*	0
34	Forward bench top	270	0
35	Deck in front of sink	2,802*	0
36	Deck at entrance to van	1,923*	0
37	Final bucket blank	0	0

Comments

All areas tested on the ship were clean of isotope contamination. Only minor tritium contamination found in the Radioisotope Van. Deck areas in the van should be cleaned to prevent tracking into other areas.

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