

Tritium Laboratory  
28 September 2009

SWAB REPORT #531

SWAB DATE: 21 September 2009

R/V New Horizon  
And Radioisotope Van # 12

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Distribution:  
SWAB Committee  
Scripps Swab List  
Gary Lain

REPORT FOR SWAB # 531

LOCATION: San Diego, CA  
 TECHNICIAN: James D. Happell  
 VESSEL/LAB: R/V New Horizon

DATE: 21 September 20  
 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	1	0
Main Lab (See Figure 1)			
3	Torrey freezer	0	0
4	Upright freezer	18	0
5	Refrigerator	0	12
6	Sink area	0	0
7	Deck in front of sink	21	0
8	Fwd. bench top	0	0
9	Fwd. center bench top	0	0
10	Port bench top	0	0
11	Port bench top	0	0
12	Port bench top	54	0
13	Bench top, stbd. aft	0	0
14	Deck at entrance to Ocean Lab	0	0
Ocean Lab (See Figure 1)			
15	Port sink area	34	0
16	Deck in front of port sink	59	0
17	Bench top	41	0
18	Sink area	7	0
19	Bench top (sink area)	0	0
20	Inside fume hood	43	0
21	Deck in front of aft sink	85	0
Fantail (See Figure 1)			
22	Deck at aft door	12	0
23	Port deck	0	0
24	Stbd. deck	26	0
Wet Lab & Stbd. Lab (See Figure 1)			
25	Sink	69	0
26	Deck inside door	7	0
27	Fwd. bench top	2	0
28	Freezer	0	0
Upper Lab (See Figure 1)			
29	Frost from 80 degree freezer	283	0
30	Deck in front of aft door	0	0
31	Deck in front of stairs	0	0
32	Bench top	0	0
33	Deck	55	0
34	Final bucket blank C.O. #1	2	0

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		3H dpm/m2	14C dpm/m2

Radioisotope Van # 12 (See Figure 2)

35	Initial bucket blank C.O. #2	0	13
36	Bench top	303	0
37	Bench top	463	0
38	Hood	178	0
39	Bench top	590*	0
40	Refrigerator	716*	0
41	Freezer	6,542*	506*
42	Shoe change area	275	0
43	Shoe change area	459	0
44	Final bucket blank C.O. #2	0	0

Comments

All areas tested on the ship were clean of isotope spills. Only minor tritium and C14 contamination was found in Radioisotope Van #12, no action is needed.