Tritium Laboratory 11 May 2009

SWAB REPORT #520

SWAB DATE: 5 May 2009

R/V New Horizon
And Radioisotpe Van # 9

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Distribution: SWAB Committee Scripps Swab List Gary Lain

TECH	ATION: San Diego, CA INICIAN: Cecilia Roig SEL/LAB: R/V <i>NEW HORIZON</i>	DATE: 5 May 2009 STATUS: See Commer	<u>its</u>		
SAME	PLE SAMPLE IDENTIFICATION	NET ACTIVITY	EXTRACTED		
#			$^{4}C dpm/m^{2}$		
1	Machine Blank	-	_		
2	Initial bucket blank C.O. #1	0	0		
Mair 3	1 Lab (See Figure 1) Frost inside Torrey freezer	0	0		
4	Frost freezer top	0	0		
5	Inside refrigerator bottom	31	0		
6	Sink area	0	0		
7	Deck in front of sink	2	0		
8	Bench top aft of sink	0	0		
9	Bench top under window	15	0		
10	Bench top fore by clock	13	0		
11	Aft bench top	0	0		
12	Bench top by net station	0	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	1	0		
16	Aft sink area	0	0		
17	Bench top	0	0		
18	Sink area	0	0		
19	Bench top	24	0		
20	Inside fume hood	0	0		
21	Deck in front of sink	31	0		
Fant	ail (See Figure 1)				
22		0	0		
23	Port deck	0	0		
24	Stbd. deck	0	0		
Wet	Lab & Stbd. Lab (See Figure 1)				
25	Sink	19	0		
26	Deck inside door	0	0		
27	Desk top	0	0		
28	Scientific freezer	0	0		
29	Final bucket blank C.O. #1	0	0		
30	Initial bucket blank C.O. #2	0	0		
Uppe	er Lab (See Figure 1)				
<u>31</u>	-80 freezer	0	0		
32	Deck between stairs	Ő	0		
33	Sink area	125	0		
34	Bench top	0	0		
35	Deck at aft entrance	0	0		
Radioisotope Van # 9 (See Figure 2)					
36	Inside hood	19,040**	0		
37	Sink area	423	0		
3,		125	~		

38	Inside freezer	12,806**	19
39	Deck at entrance	548*	0
40	Bench top next to exit	347	59*
41	Bench top across hood	90	0
42	Deck center of van	1,477*	0
43	Deck at entrance	447	0
44	Deck outside entrance	25	0
45	Final bucket blank C.O. #2	0	0

Comments

All areas sampled on the ship were free of contamination. Contamination was found on areas of Radioisotope Van # 9. The hood and freezer require cleaning before any use and the deck should be cleaned to prevent any possible tracking into other areas.

This was a follow up to Courtesy SWAB # 513, performed by Scripps personnel using their own supplies. The majority of samples from Courtesy SWAB # 513 showed tritium activity. At the time we believed these were false positives caused by differences in the LSC blank used for quench curve corrections. The results from this swab confirm it.

SWAB # 520 5 May 2009 Figure 2