

Tritium Laboratory  
27 August 2010

SWAB REPORT # 556

SWAB DATE: 20 August 2010

R/V New Horizon, CALCOFI Van, Rad Vans

---

Dr. James D. Happell  
Associate Research Professor

Distribution:  
SWAB Committee  
Gary Lain

REPORT FOR SWAB # 556

LOCATION: Point Loma, CA  
 TECHNICIAN: Charlene Grall  
 VESSEL/LAB: *R/V New Horizon*, Rad Vans

DATE: 20 August 2010  
 STATUS: See Comments

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		<sup>3</sup> H dpm/m <sup>2</sup>	<sup>14</sup> C dpm/m <sup>2</sup>
1	1st Machine blank	0	0
2	Initial bucket blank	15	24
<u>Main Lab (See Figure 1)</u>			
3	Torrey freezer frost	0	25
4	Upright freezer frost	0	25
5	Inside refrigerator bottom	0	36
6	Sink area	0	25
7	Deck in front of sink	1	31
8	Benchtop foreward	0	33
9	Deck in front of Head	38	4
10	Port benchtop	0	1
11	Deck at entrance to ocean lab	21	35
12	Deck between stbd benches	0	26
13	Deck inside entrance to Wet Lab	29	9
<u>Ocean Lab (See Figure 1)</u>			
14	Deck in front of aft sink	0	39
15	Aft sink area	1	26
16	Deck at entrance to stairwell	0	30
17	Port sink area	4	30
18	Port benchtop aft of sink	9	0
19	Benchtop adjacent to aft sink	0	7
20	Port sink area in aft section	0	8
21	Deck in front of aft sink	0	30
<u>Wet Lab (See Figure 1)</u>			
22	Fwd workbench	6	6
23	Aft sink area	48	18
24	Benchtop adjacent to aft sink	0	37
25	Deck in front of aft sink	121	41
26	Deck in center of lab	73	15
27	Final bucket blank (CO#1)	6	27
28	Initial bucket blank (CO#2)	24	5

29 Walk in freezer benchtop	0	29
30 Walk in freezer deck	0	37
<u>01 Deck (See Figure 1)</u>		
31 Upper Lab - Deck inside fwd entrance	0	14
32 Upper Lab - Deck at aft entrance	0	1
33 Deck at stair to 02 Deck	6	15
34 Deck where Rad van door opened	20	23
<u>Radioisotope Van 0012 (See Figure 2)</u>		
35 Deck between entrance and LSC	119	30
36 Inside fume hood	69	25
37 Inside refrigerator across from fume hood	62	2
38 Inside refrigerator next to sink	362	436 *
39 Benchtop adjacent to sink	4	18
40 Sink area	48	13
41 Deck in center of van	180	30
42 Benchtop opposite sink	0	0
43 Deck between sink and entrance	56	28
<u>Radioisotope Van 009 (See Figure 3)</u>		
44 Deck between entrance and	74	70 *
45 Deck below sink	38	14
46 Deck marked Clean Area	32	9
<u>CALCOFI Van (See Figure 4)</u>		
47 Workbench next to refrigerator	0	11
48 Sink and adjacent bench	0	188 *
49 Inside refrigerator	0	531 *
50 Deck at entrance	40	59 *
51 Final bucket blank (CO#2)	0	3

### Comments

All areas on board the R/V New Horizon tested free of radioisotope contamination. Minor <sup>14</sup>C contamination was found in all three vans, but no action is needed.

