

Tritium Laboratory
October 4, 2014

SWAB REPORT #294

SWAB DATE: 30 November 2001

R/V Laurence M. Gould

Dr. James D. Happell
Research Associate Professor

Distribution:
SWAB Committee
Robert Kluckhohn

REPORT FOR SWAB # 294

LOCATION : Punta Arenas, Chile
 TECHNICIAN: Cecilia Roig
 VESSEL/LAB: R/V Laurence M. Gould

DATE : 30 November 2001
 STATUS: All areas on ship
 tested free of radioisotope
 contamination. But NSF#11549
 refrigerator in Rad Van is
 contaminated by tritium and
 should be cleaned.

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	21
<u>Hydrolab (See Figure 1)</u>			
3	Deck between sink area and workbench	0	0
4	Workbench next to port workbench	0	0
5	Deck in front of freezer	0	0
6	Deck in front of forward sink	0	0
7	Deck in front of entrance to Wet Lab	0	0
8	Inside fume hood	0	0
9	Inside Percival Science incubator	15	0
10	Inside NSF #16532 freezer, top	38	18
11	Inside NSF #16532 refrigerator, bottom	0	0
12	Deck in front of NSF #16532 refrigerator	0	0
<u>Wet Lab (See Figure 1)</u>			
13	Inside fume hood	0	0
14	Inside small McMurdo (Kenmore) freezer, top	0	33
15	Inside small McMurdo (Kenmore) refrigerator, bottom	0	51
16	Inside NSF #05391 freezer	0	0
17	Deck in front of freezers	0	0
18	Workbench opposite of freezers	0	0
19	Workbench port of aft sink	0	0
20	Deck in front of sink	0	0
21	Deck in front of fume hood and fwd sink	0	0
22	Deck in front of aft sink	0	0
<u>Maindeck (See Figure 1)</u>			
23	Deck outside doors to aquarium	65	0
24	Fantail stbd side	0	0
<u>Dry Lab (See Figure 1)</u>			
25	Deck in front of freezers fwd of change room	0	0
26	Deck in front of fume hood	0	0
27	Deck in front of entrance to CTD room	0	0
28	Deck in front of port sink	0	2
29	Inside GE freezer, top	0	0
30	Inside GE refrigerator, bottom	0	0
31	Inside fume hood	33	0
32	Workbench left of sink	0	0

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		^3H dpm/m ²	^{14}C dpm/m ²
33	Workbench in front of Baltic door	0	0
34	Deck in front of refrigerator	0	0
35	Top of freezer	0	0
<u>Passageways (See Figure 1)</u>			
36	Deck outside port entrance to Dry Lab	14	0
37	Deck outside stbd entrance to Hydro Lab	0	0
38	Deck outside port entrance to Electronics Lab	0	0
39	Deck outside stbd entrance to Enviro Room	0	0
40	Deck outside stbd entrance to Laundry Room	0	0
<u>Radioisotope Van 23450-10 (see Figure 2)</u>			
41	Deck in front of sink	962	708
42	Deck inside entrance to van	362	83
43	Inside NSF #11549 refrigerator/freezer, top	2,746**	0
44	Inside GE refrigerator/freezer, fridge section	6,538**	0
45	Benchtop left of fume hood	122	0
46	Benchtop left of sink	8	9
47	Benchtop right of sink	0	62
48	Inside fume hood	0	239
49	Final bucket sample (C.O.#1)	0	0