

Tritium Laboratory  
October 4, 2014

SWAB REPORT #261

SWAB DATE: 02 February 2000

Antarctic Support Associates  
*R/V Laurence M. Gould*

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SWAB Committee  
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REPORT FOR SWAB # 261

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

DATE : 2 February 2000  
 STATUS: All areas on ship tested free of radioisotope contamination. But top section of refrigerator in Rad Van was contaminated by tritium and should be cleaned.

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	Machine Blank	-	-
2	Initial bucket blank (C.O. #1)	0	15
<u>Hydrolab (See Figure 1)</u>			
3	Deck between sink area and workbench	0	0
4	Workbench next to port workbench	46	5
5	Deck in front of freezer	0	7
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	28
31	Inside GE freezer, bottom	8	31
32	Inside GE freezer, top	0	19
33	Inside GE refrigerator, bottom	0	14
34	Inside small freezer, bottom	72	45
35	Deck in front of small freezer	50	33
<u>Wet Lab (See Figure 1)</u>			
9	Inside fume hood	0	0
10	Inside freezer next to stbd aft entrance	0	5
11	Inside freezer next to Baltic door	0	26
12	Workbench opposite of freezers	11	3
13	Workbench port of aft sink	0	7
14	Deck in front of sink	0	13
15	Deck in front of fume hood and fwd sink	0	24
16	Deck in front of aft sink	0	0
<u>Maindeck (See Figure 1)</u>			
17	Deck outside doors to aquarium	0	0
36	Fantail stbd side	0	0
<u>Dry Lab (See Figure 1)</u>			
18	Deck in front of freezers fwd of change room	0	13
19	Deck in front of fume hood	0	3
20	Deck in front of entrance to CTD room	1	0
21	Deck in front of port sink	29	34
22	Inside refrigerator, bottom	51	26
23	Inside fume hood	6	0
24	Workbench left of sink	0	35
25	Workbench in front of Baltic door	0	0
37	Deck in front of refrigerator	0	22

Passageways (See Figure 1)

26	Deck outside port entrance to Dry Lab	0	53
27	Deck outside stbd entrance to Hydro Lab	10	0
28	Deck outside port entrance to Electronics Lab	0	0
29	Deck outside stbd entrance to Enviro Room	0	3
30	Deck outside stbd entrance to Laundry Room	0	8
38	Final bucket sample (C.O. #1)	0	0

Radioisotope Van 234141-9 (see Figure 2)

39	Initial bucket sample (C.O. #2)	59	8
40	Inside fume hood	803	551
41	Deck in front of sink	1,721	331
42	Deck inside entrance to van	937	24
43	Inside GE refrigerator/freezer, freezer section	87,119**	0
44	Inside GE refrigerator/freezer, fridge section	1,475	0
45	Benchtop left of fume hood	456	342
46	Benchtop left of sink	705	613
47	Benchtop right of sink	966	352
48	Final bucket sample (C.O.#2)	0	41