

Tritium Laboratory
16 August 2010

SWAB REPORT # 553

SWAB DATE: 10 August 2010

R/V Melville

Dr. James D. Happell
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Distribution:
SWAB Committee
Scripps Committee
Gary Lain

REPORT FOR SWAB # 553

LOCATION: San Diego, CA
 TECHNICIAN: Cecilia Roig
 VESSEL/LAB: *R/V Melville*

DATE: 10 August 2010
 STATUS: See Comments

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		³ H dpm/m ²	¹⁴ C dpm/m ²
1	1st Machine blank	0	0
2	Initial bucket blank C.O. #1	13	18
<u>Winch Room (See Figure 1)</u>			
3	Inside Revco	0	11
4	Inside Kenmore	34	0
5	Inside Frigidaire	10	36
6	Deck in front of Revco	29	10
7	Deck between Kenmore & Frigidaire	28	3
<u>Main Lab (See Figure 2)</u>			
8	Bench top aft of sink	34	3
9	Inside sink and sink area	23	19
10	Deck between bench tops	21	25
11	Inside Kenmore freezer	13	18
12	Bench top fwd. of sink	40	13
13	Bench top across sink	257	18
14	Inside Sanyo freezer	0	7
15	Deck in front of freezer	0	9
16	Bench top port of Sanyo	63	15
17	Deck center of lab	2	47
18	Deck at entrance to stairs	3	23
19	Inside Kelvinator	0	16
20	Deck in front of stairs	1	11
21	Bench top across Kelvinator	13	26
22	Stbd. bench top	47	25
23	Intermediate bucket blank	0	28
<u>Analytical Lab (See Figure 2)</u>			
24	Inside hood	0	27
25	Deck inside door to Main Lab	16	22
26	Sink area	0	26
27	Fwd. port bench top	2	9
28	Deck in front of sink	16	56 *

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY EXTRACTED	
		³ H dpm/m ²	¹⁴ C dpm/m ²
29	Stbd. bench top	0	14
30	Deck inside stbd. door	32	24
31	Bench top fwd. of hood	0	52 *
32	Final bucket blank C.O. #1	0	7
33	Initial bucket blank C.O. #2	24	17
<u>01 Deck (See Figure 2)</u>			
34	Deck at entrance to library	4	12
35	Outside deck	17	13
36	Deck at top of stairs	21	16
37	Deck at end of game table	3	7
<u>Dark Room (See Figure 2)</u>			
38	Sink area	1	24
39	Deck inside aft door to hangar	0	29
40	Deck in front of sink	0	13
41	Deck inside fwd. port door	4	11
<u>Misc. Areas (See Figure 2)</u>			
42	Deck outside entrance to hospital	3	17
43	Deck outside aft entrance to galley	0	9
44	Deck outside fwd. entrance to galley	12	26
<u>Aft Hangar (See Figure 2)</u>			
45	Sink area	27	0
46	Deck at entrance to Main Lab	29	27
47	Final bucket blank C. O. #2	7	7

Comments

Minor ¹⁴C contamination found in two samples taken in the Analytical Lab. These areas will need to be cleaned before any natural tracer work.

