SWAB REPORT #504

SWAB DATE: 20 December 2008

R/V Atlantis

Dr. James D. Happell Research Associate Professor

Distribution: SWAB Committee David Fisichella

REPORT FOR SWAB # 504

LOCATION: Guaymas, Mexico

TECHNICIAN: Cecilia Roig

DATE: 20 December 2008

STATUS: See Comments

VESSEL/LAB: R/V Atlantis

SAMPLE #	SAMPLE IDENTIFICATION	NET ACTIVITY 3H dpm/m2		
1 M	achine Blank	-	_	
2 I	nitial bucket blank C.O. #1	0	0	
	ab (See Figure 1)			
_	eck inside fwd. entrance	35	149*	
4 I	nside stbd. freezer top	0	0	
	nside stbd. frige bottom drawer	0	0	
6 I	nside fwd. Revco	0	0	
7 I	nside middle Revco (#1)	0	0	
8 I	nside aft Revco (#2)	0	0	
9 D	eck in front of ice machine	0	236*	
10 D	eck in front of port sink	172	3,768*	
11 D	eck inside port aft entrance	19	552*	
12 I	nside fume hood	0	1	
13 D	eck in front of fume hood	58	991*	
	alytical Clean Lab (See Figure 1)			
	nside top freezer	6	0	
	nside bottom freezer	0	0	
	eck in front of stbd. entrance	0	100*	
	eck in front of freezer	0	69*	
18 I	nside fume hood	0	14	
19 F	wd. benchtop & sink area	0	81*	
20 A	ft benchtop & sink area	32	0	
21 D	eck in front of fume hood	0	79*	
22 D	eck in front of aft entrance	0	128*	
Misc. Areas (See Figure 2)				
23 D	eck inside fwd. walk-in freezer	0	10	
24 D	eck inside aft walk-in freezer	0	89*	
25 F	wd. benchtop in aft freezer	0	12	
26 A	ft benchtop in aft freezer	0	39	
27 D	eck outside walk-in freezers	0	163*	
Electronics/Computer Lab (See Figure 2)				
_	eck at fwd. entrance	0	29	
29 D	eck at stbd. entrance	0	152*	
Hydro Lab (See Figure 3)				
	nside freezer top	0	11	
	nside freezer bottom	22	30	
	nside fume hood	0	113*	
	tbd. sink area	38	1,193*	
	eck at stbd. door	23	571*	
	eck at aft entrance	0	398*	
36 P	ort sink area	119	1,841*	

SAMPLE SAMPLE IDENTIFICATION		NET ACTIVITY	NET ACTIVITY EXTRACTED	
#		3H dpm/m2 1	.4C dpm/m2	
Wet	Lab (See Figure 3)			
37	Inside fume hood	11	0	
38	Fwd. sink area	0	91*	
39	Deck in center of lab	0	45	
40	Port benchtop	0	0	
41	Final bucket blank C.O. #1	0	0	
Radioisotope Van (See Figure 4)				
42	Initial bucket blank C.O. #2	0	0	
43	Sink area	198	3,048*	
44	Benchtop adjacent to sink	105	2,279*	
45	Inside Flow Sciences	253	141*	
46	Benchtop across Flow Sciences	103	3,082*	
47	Benchtop above freezer	124	2,061*	
48	Benchtop across sink	356	6,349*	
49	Inside fridge	444	1,002*	
50	Inside freezer	91	1,079*	
51	Deck under escape hatch	391	6,902*	
52	Deck middle of van	1,309*	17,235**	
53	Deck inside entrance	1,091*	8,278*	
54	Final bucket blank C.O. #2	0	24	

Comments

C14 contamination was found throughout the ship. These areas need cleaning to insure contamination in not spread to other areas of the ship. Inside the radioisotope van C14 contamination was detected in most areas tested and minor tritium contamination was found on some van deck areas. Deck areas in the van require cleaning to prevent further tracking into the ship.