# **EN451 McGillicuddy Cruise**

*.	Date: 8	<u>1_7</u> /08	Station no	umber: <u>tc</u> s	<b>X</b>	INITIA TIME (	_S:	
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMN	IENTS:	
/	1	36						
/	2	30						
/	3	30						
/	4	30						
/	5	30						
/	6	30						
1	7	30						
′	8	20						
/	9	10						
/	10							
/	11							
/	12	***************************************						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: 8	<u>/ 8 /</u> 08	Station nu	mber: 1			LS: <u>NRP</u> (GMT): <u>17.//7</u>
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COM	MENTS:
y 1	છા					
√ 2	50					
√3	<b>5</b> 0	=				
/4	50					
<b>√</b> 5	50					
√6	40					
17	30					
v 8	20					
<b>y</b> 9	10					
10						
11	Western					
12						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

ssprodute failed resut of dystexic typo AOR / NPP

# **EN451 McGillicuddy Cruise**

Date: <u>냉</u>		Station nu	ımber:		INITIA TIME	.LS: _ (GMT): _	NRP 22:19
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	uality Box Box		COMMENTS:		
<b>1</b>	82						
<b>√</b> 2	1						
<b>/</b> 3	56						
14	50						
<b>1</b> 5	50				·		
√ 6	40						
7	30						
<b>√</b> 8	20						
<b>/</b> 9	10					1	
V 10	-tours.						
<b>V</b> 11	1						
√ 12	***						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

Date: 🥳 / 😤 /08		Station nu	mber:	<u> </u>	INITIA TIME	LS:	NRP 23:01:45
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample		MENTS:	
/ 1	90						•
V 2	50						
√ <sub>3</sub>	1						
V 4	50						
<b>1</b> 5	50						
V 6	40						
<b>V</b> 7	30						
W 8	20						
/9	10						
10	-						
11	1						
12	1						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

Date: <u>8 / 8 /</u> 08					INITIA TIME		NRP 23:4	8:30
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	СОМ	MENTS:		
1	87							
√ <sub>2</sub>	50							
√ 3	50							
4	50							
5	50							
6	40							
17	30							
<b>V</b> 8	20							
//9	10							
10	1							•
1,1	-							
12	1							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 =Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

	Date: <u>\$</u>	<i>1<u>9</u>1</i> 08	Station n	umber:20t	5	INITIALS: KWS TIME (GMT): 00:32
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD 142 COMMENTS:
	1	90				
	2	50				
	3					
ف ف	/ 4					
$\vee$	5	50				
	6	40				
	7	<i>30</i>				
	8	20				
	9	10				
	10	1				BOTTOM OF LOGSHEET
	11	adimorphia				BOTTOM OF LOGSHEET
	12	1				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

at surface, only one bottle was seen tobe open.

In file 10,11+12 were tripped at surface. Perhaps we just didn't see them before they closed.

# **EN451 McGillicuddy Cruise**

Date: <u>9</u>	<u>/ 9 /</u> 08	Station n	umber: <u>O</u>	06	INITIALS: KWS TIME (GMT): QL.ZQ
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD 101  COMMENTS:
1	90				
2	5 <sub>C</sub>				
3					
5	50				
6					
7	30				
8	10				
9	1				
10	1				
12	Ì				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

	Date: <u></u>	T		ımber: ØØ		INITIALS: KWS TIME (GMT): OZOZ
	Sample Bottle	Bottle Pressure	Bottle Quality	Salt Box	Nuts Box	WD: 92
	No.	DBars	Flag	Sample	Sample	COMMENTS: Bithm NO SAMPLE - LANYARD HUNG
•	1	20				NO SAMPLE - LANYARD HUNG
//	2	50				
•	3	1				
	_ 4	\				
	5	.1				
1	6	40				
	7	30				
/	8	2 <i>C</i>				
	9	10				
	10	<b>\</b>				
	11					
	12	}				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

	Date: <u>&amp;</u>	/ <u>\$</u> /08	Station nu	mber: 🗥	<u>L</u>	INITIALS: KWS TIME (GMT): O2:46
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	TIME (GMT): 02:46  WD 67  COMMENTS:
	1	57				
/	2	50			:	
	3					
	4					
1	5	110				
1	6	30				
	7	7 ~				
	9	10				
	10	Alexandra (				
	11	#Hospita				
	12	- (				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

	Date: <u></u>	Date: 8 / 9 /08 Station number: 004				INITIALS:  TIME (GMT): US: 40.00  WD: 69
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD:69 COMMENTS:
_	1	59				
-	2	50				
-	3	50				
	4	50				
/	5	20				
1	` <sub>'</sub>	4)0				
/	7	30				
1	8	50				
/	9	10				
/	10	d'troc				
/	11	No. of the last of				
/	12	Ì				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 =Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

	Date: 🔗	/ 9 /08	Station number: _0\0_			INITIALS:
	Sample Bottle	Bottle Pressure	Bottle Quality	Salt Box	Nuts Box	WD! 68
	No.	DBars	Flag	Sample	Sample	COMMENTS:
/	1	58				
A Partie	2	50				
A Property lives	3	20				
/	4	50				
/	5	20				
/	6	90	Į			
	7	30				
1	8	50				
/	9	10				
	10	(contrast				
_	11	ALDERPO				
	12	No.				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

	Date: △ጰ	//08	Station nu	ımber: <u>の</u> \	1	INITIALS: CC TIME (GMT): 7110
	•	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	ωδ' comments:
	1	97				
/	2	50				
1	3	50				
/	4	50				
/	5	20				
/	6	Yo				
-	7	30				
/	8	20				
1	9	lt)				
1	10					
1	11	, successive states and states an				
	12	)				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

						NRI	7
Date: 08	/ <u>4</u> /08	Station nu	mber: <u>6 \</u>		\LS: _ (GMT): _	08,0	
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	MENTS:	•	
1	118						
1/2	100						
3	100						
4	100						
V 5	50						
<b>√</b> 6							
7	30						
V 8	50						
9	10						
10							
11							
12							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

							MRP
Date: 🧣	<u>/ 9 /</u> 08	Station nu	mber: <u>0</u>	3	TIME	LS:       _ (GMT):  _	08:20
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample		иENTS:	
1	122						
/ 2	100						
/3	100						
<b>√</b> 4	100						
	20						
V 6	40						
17	30						
V 8	ZD						
9	10						
10	***						
1,1							
12	}						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

					INITIA	LS:	NRP		
Date: <u></u>	<u>/ 9</u> /08	Station n	umber: <u>0</u>	14	TIME (GMT):		NRP 9:42:00		
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:				
1	160								
√ 2	150								
√ 3	150								
V 4	100								
<b>√</b> <sub>5</sub>	50								
√ <sub>6</sub>	५०								
√ 7	30								
V 8	20								
9	10								
10	Adaptive								
/11	ţ								
V 12					<u> </u>				

(Source: WHP Data Reporting Requirements sec 3.4.1) Bottle Quality Flag Codes:

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

Commuts - originally.
Named fits as

M. Swartz WHOI 7014

It has been renamed CTD 014, \*

# **EN451 McGillicuddy Cruise**

M	DY						115	<b>,</b>
Date: <u>S</u>	/_9_/08	Station nu	mber: 💍	15	INITIA TIME	.LS: _ (GMT): .	NRF 10:38	5:00
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample		MENTS:		
1/1	157							
V 2	150							
<b>√</b> 3	150							
4	100				-			
<b>V</b> 5	50							
6	40						- "	
√ 7	30							
√ 8	20							
<b>V</b> 9	10							
10	١							
11	į							
√ 12	***************************************							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

_ 0			. ^	INITIALS: NRP TIME (GMT): 11;39	
Date: <u></u> 8	<u>/_4_/</u> 08	Station nu	ımber: <u></u>	1.6	TIME (GMT): 1/ 39
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
1	125				
✓ 2	100				
<b>✓</b> 3	100				
√ <sub>4</sub>	100				
V 5	50				
√ 6	40				
V 7	30				
8	20				
1/9	10				
10	المانيتان				
V 11					
12	l				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

	Date: <u>&amp;</u>	/ <u></u> 9_/08	Station nu	mber: 0	17	INITIA	LS: <u> </u>    GMT):	<ws 2:48</ws 
	Bottle	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMN	ND MENTS:	139
	1	129						
	2	lec						
	3	100						
	4							
//	5							
//	6							
/	7	30						
	8							
	9	10						
	10	1						
	11	C.						
	12							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

M. Swartz WHOI

PARCAD UP AS LEFT ON by mistake

# **EN451 McGillicuddy Cruise**

Date: <u>4</u>	Date: <u>&amp; / </u>		mber: O	S	INITIALS: KWS TIME (GMT): 13:38
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
1	100	4,9			•
2	100				
3	100				
/ 4	100				
5	50				
6	110				
7	30				
8	70				
9	10				
10	) \				
11	and the state of t				
12	)				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: <u>\$</u>	/_9_/08	Station n	umber: Q	19_	INITIALS: KWS TIME (GMT): 14-26
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	9 ( COMMENTS:
	1	20	+ '			
	2					
•	3	V.				
/	4	<del>                                     </del>				
1	5 6	), _				
	7	30				
	8					
	9	10				
	10	1				
	11 12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

PUMP STATION

## **Small Volume Sample Log**

#### **EN451 McGillicuddy Cruise**

Date: <u>2 / 9 /</u> 08		Station r	number: <u>C</u>	189	INITIALS: KWS TIME (GMT): 14:54
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
1	\				
2					
3					
4					
5	5				
(					
7	,				
8	3				
9					
10	)				
11	i				
12	2				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle. blank = not reported.

# **EN451 McGillicuddy Cruise**

Date: 8	/_9_/08	Station nu	ımber: <u>O</u>	20	INITIAI TIME (	_S: GMT):	NRP 20126:50			
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box <u>E</u> Sample	Nuts Box Sample	COMMENTS:					
1	77.									
/ 2	50									
√ 3	50									
4	20									
<b>1</b> 5	50									
√,6										
<b>1</b> 7	30									
V 8	20									
<b>V</b> 9	10-									
10	, the same									
<b>1</b> 1	¥ cot									
√12	A participation of the control of th									

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

Date: <u>윙</u>	Date: 4 / 9 /08 Station number: 021				INITIA TIME	.LS: _ (GMT): _	21 12
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COM	MENTS:	
1	89						
2	2_0	-					
3	50						
4	50						
V 5	50						
6	40						
<b>√</b> 7	30						
√8	20						
<b>1</b> 9	10						
V <sub>10</sub>	\						
1,1	1						
V <sub>12</sub>	)						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

					NRP NRP	_			
Date: <u>&amp;</u>	<u>/_9_</u> /08	Station nu	umber: 0	La. Lu.,	TIME (GMT): 22:00	_			
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:				
1	180	4							
✓ 2	120								
V 3	120								
4	·								
5	<u> </u>					_			
√ 6	.t.								
7	30			-					
√ 8	Lo								
9	1								
10									
12									

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

						NRP	
Date:					ALS:	2215	8
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	IMENTS:		
1	100						
V, 2	120					•	
√ <sub>3</sub>	150						
V 4	100						
<b>1</b> 5	50						
<b>1</b> 6	40						
V 7	70						
√8	20					***	
<b>V</b> 9	10						
10	(						
11	and the second						
12	1						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8	/ 9 /08	Station nu	mber: _ 🗷	2 4	INITIA	LS:	NRP 23:52	
Date.		Otation na	<u> </u>		TIME	(GMT):	23:52	
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box <u></u> Sample	Nuts Box Sample		лЕNTS:		
<b>√</b> 1	172		1					
<b>1</b> 2	150		2_					
√ 3						_		
<b>V</b> 4	100		3					
$\sqrt{5}$	50							
√ 6	40							
7	30							
.√8	20							
√9	10							
10	<b>3</b>							
V11	ļ							
12	1							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: <u>\$</u>	/ <u>10</u> /08	Station n	umber: 🔾 🏾	25	INITIALS: KUS TIME (GMT): OO:47
	Bottle	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	UD 125 COMMENTS:
	. 1	115	4,9			
	2	1.15	,			
	3	10c				
/	- 4	100				
	5	50				
	6	40				
	7	30				
	8	30				
	9	10				
	10	dusta				
	11	and Printer				
	12	1				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

M. Swartz WHOI

After cast, swap Niskins 1,2,3-OTE External Trasions with GO, highPow valve Viskins.

# **EN451 McGillicuddy Cruise**

1	Date: _ と	<u>/ 10_</u> /08	Station nu	ımber: O	<u> 26</u>	INITIALS: KWS TIME (GMT): 01:38
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	UD 92 COMMENTS:
	1	80				
	2					
	3					
_	4					
	5					
	6	40				
	. 7	30				
	8	2c				
	9	10				
	10	-				
	11	l				
	12	1				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

***************************************	Date: <u>\$</u>	<u>/_10</u> /08	Station n	umber: 97	7	INITIALS: KWS TIME (GMT): 02:28
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	TIME (GMT): <u>02:28</u> WP: 095 m - 87  COMMENTS:
	1	70				
	2	7 3				
	3	407				
,	4					
	5					
	6	4c				
-9	7	30				
	. 8	20				
	9	lc				
	10	1				
	11	1				
	12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

Date: <u>久</u>	Date: <u> </u>				INITIALS: KWS TIME (GMT): 03:15
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	VD (65 - SHOALING FAST COMMENTS:
1	,40				
3					
4	120				
5 6	1.				
7					
9	1_	:			
10	λ				
11	1 \ \				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: 8	/_\/08	Station number: <u>029</u>			INITIALS: <u>CC</u> TIME (GMT): <u>3:65</u> WD: 65		
1	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD765 comments:		
	1	50						
	2	50						
/	3	50						
/	4							
/	5	<i>50</i>						
/	6	46						
/	7	30						
/	8	20						
/	9	ÒJ						
1	10	}						
_	11	)						
/	12	1						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

	Date: 8	ate: 8 / 10 /08 Station number: 030				INITIALS:CC TIME (GMT): WD': 45		
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD: 45 COMMENTS:		
/	1	ಇನಿ	4					
/	2	D.						
/	3	30						
ser.	4	50						
_	5	30						
	6	30						
1	7	30						
1	8	20						
/	9	/0						
,	10	1						
~	11		ļ					
_	12	, T						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 =Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

	Date: 🙎	<u>/_\ <sup>O</sup>/08</u>	Station n	umber: <u>0</u> 3	<b>3</b> )	INITIALS:
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	INITIALS:  TIME (GMT): 7.15  WD: 63  COMMENTS:
/	1	$\overline{SO}$				
/	2					
/	3	50				
/	4	50				
	5	50		-		
	6					
/	7	<b></b>				
	8	12				
1	9	, -				
,	10	1				
/	11 12	1				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8 / 10 /08 Station number: 0			umber: 🔘	32	INITIALS: <u>NRP</u> TIME (GMT): <u>08109</u>
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
V 1	1.20				
/2	150				
√ <sub>3</sub>	150				
√ 4	100				
√ 5	50				
V 6	40				
17	3 O				
V <sub>8</sub>					
w/g	10				
√10	)				
V 11	1				
12	2				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 =Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

Date: <u>당</u>	/ <u>10</u> /08	Station nu	mber: <u>63</u>	3_	INITIAL	S: NRP
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt <u>E</u> Box <u>E</u> Sample	Nuts Box Sample	СОММ	
V, 1	200		니			
1/ 2	120		5			
√ 3	150					
V~ 4	GO ।		6			
√ <sub>5</sub>	50	-				
$V_6$	40					
V/7	30					
√, 8	20					
V 9	10					
10				!		
V 11	l					
1/ 12						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 =Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**

Date: <u></u>	<u>/ 10</u> /08	Station nu	ımber: <u>O</u>	34_	INITIALS: <u>NRP</u> TIME (GMT): 10 17
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
V 1	160				
1/2	120				
1/3	150				
₩ 4	100				
`V 5	50				
$\sqrt{}$ , 6	40				
1/ 7	30				
/ 8	20				
9	1 D				
V, 10	a de la constante de la consta				
V 11	and the same of th				
12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

						MRP	
Date: <u>용 / 1<i>0</i> /</u> 08		Station nu	mber: <u>03</u>	35		NRP 11:18	
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	ИENTS:		
V 1	120						
√ 2	100						
3	100						
V 4	100						
V 5	50						
√ 6	سميان						
V 7	30						
V , 8	20						
-V/ 9	10						
V 10	l						
V 11	l						
12	1						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	****			···.		INITIALS: KWS
	Date: 2	/ <u> 0</u> /08	Station nu	mber: <u>იპ</u>	6_	TIME (GMT): 12:15
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD:170 comments:
/	1	160				
/	2					
1	3	ļ				
	. 4	100				
	5	<u> </u>				
A Comment	6	40				
	7	30	·			
	8	20				
	9	10				
	10	-				
,	11	1				
	12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: <u>&amp;</u>	<u>/ [೧</u> /08	Station nu	mber: O <sup>2</sup>	<u>, 7</u>	INITIAL	_S: _ GMT): _	KWS- 13:20
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample		LID ENTS:	: 165
	1	150						
	2	150						
/	3	150						
	4	100						
	5	50						
	6							
/	. 7	30						
	8							
/	9	10						
	10	-						
	11	1000						
	12	***************************************						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: _	Date: 2 /10 /08 Station number: 036			INITIA TIME (	LS: <u>KUS</u> (GMT): <u>14:35</u>		
Sample Bottle No.		sure Qua	lity Box	В	uts ox ample	WP	123 MENTS:
	1   1   2   1						
	3 10	0					
	5 5 6 4						
	7 3	0					
	9 1						
	10	1					
	12	1					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: <u>£</u>	√ 08 Station number: ○ 39			59_	INITIALS: KWS TIME (GMT): 15:50
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD: 97 COMMENTS:
1	85				
2	85				
3	85 50				
4	50				
5					
ε	40				
7	30				
<u> </u>					
<u> </u>	19				
10	)			-	
11	1				
12	Ì				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 =Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: <u>8</u>	<u>/ \O</u> /08	Station n	umber: _ <i>(</i> )	4 <i>0</i> _	INITIALS: <u></u> (C TIME (GMT): <u>17:07</u>		
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD: 多40 COMMENTS:		
/	. 1	30						
/	2	30						
/	3	30						
/	4	30						
/	5	31)						
1	6	34)						
/	7	30						
/	8	70						
1	9	16						
	10							
	11	1						
	12	1						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: <u>ッ</u> ጵ	/ <u>[0</u> ]/08	Station nu	Station number: <u>OY \</u>			INITIALS:  TIME (GMT): 17:54		
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMN	JD: 70 MENTS:		
,	1	60							
_	2	50							
	3								
/	4	20							
1	5								
/	6	40							
/	7	30							
/	8	20							
	9	10	, ,				51.7.0		
	10	-	1 4	ļ			Dient fire		
	11		ļ						
	12								

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

Pamp Station

## **Small Volume Sample Log**

#### **EN451 McGillicuddy Cruise**

							10	
Date: <u></u> らら	_/ <u>\()</u> _/08	Station nu	mber: <u>6</u> 년	lla	INITIA	_S: _	18:08	
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Nuts Box Box Sample Sample			GMT): _		***************************************
1	\							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	-							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8 / 1 /08		Station nu	mber: <u>O</u>	12	INITIALS: <u>KWS</u> TIME (GMT): <u>00:18</u>
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box <u>巨</u> Sample	Nuts Box Sample	WD: 217 COMMENTS:
1	700		ア		
2	200				
3	150		8		
4	100		9		
5	50				
6	115				
7	30				
8	7,0				
9	10				
10					
11	***************************************				·
12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: <u>&amp; / / / /</u> 08		Station no	umber: <u>OL</u>	13		<u>Κυς</u> n: <u>01:28</u>
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD COMMENT	: 22 <i>0</i>
1	210					
2	200					
3	150					
4	100					
5	50					
6	11c					
7	30					
8	20					
9	le					
10	\					
11	)					
12	)					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 🙎	//08	Station r	number: _O	44	INITIALS: KWS TIME (GMT): 02:36
	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	UD 226 COMMENTS:
1	210				
2	200				
3	150				
4	<u> </u>				
5	50				
6	i) o				
7	30		į		
8	20				
9	10				
10	Months and a second				
11	e compa				
12	- Grown man				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

	Date: <u>S</u>	_/_]]/08	Station no	umber: _ <i>O</i>	45	INITIALS: KWS TIME (GMT): 03:45
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD 200 COMMENTS:
,	1	190				
(	2	150				
/	3	150				
/	4	100				
/	5	<del></del>				
1	6					
1	7					
/	8	20			_	
/	9	10				
<i>j</i>	10					
j	11	1				
l	12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: 💆	//08	Station number: 046			INITIALS: (C) TIME (GMT): 5!05
	Bottle	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	60: 141
/	1	130				
	2	160	4			Dient Fix
/	3	100-	(			
1	4	ĺW				
/	5	50				
/	6	40				
1	7	<b>7</b> D				
1	8	CS				
/	9	10				
	10	African				
	11	Spring				
	12	Arresta.				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: 8	/	Station n	Quality Box Box		INITIALS: (C)
	Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag			TIME (GMT): <u>6:08</u> いた 78 COMMENTS:
	1	67				
	2	50				
/	3	50			:	
/	4	60				
/	5	50				
/	6	40				
/	7	39				
/	8	20				
	9	10				
:	10	1				
	11					
	12	1				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 =Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8	_/ <u>/\</u> / <sub>/08</sub>	Station no	umber: <u>0 <sup>Cl</sup></u>	8	INITIALS:		
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Quality Box Box		WD:78 COMMENTS:		
1	63						
2	50						
3	50						
4	รอ						
5	<i>50</i>						
6	40						
7							
8	29		•				
9	10						
10	· · · · · · · · · · · · · · · · · · ·						
11	** india						
12	1						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

						l		NRP
Date: _	8	/_ ]	Station nu	ımber: <u></u>			LS: (GMT): _	8;10
Sample Bottle No.	!	Bottle Pressure DBars	Bottle Salt Nuts Quality Box Box Flag Sample Sample		COMMENTS:			
	1	50						
1	2	50	1					
V	3							
V	4	50						
V	5	50						
V	6	40						
1	, 7	30						
V	8	20						
V	9	10						
V	10	1						
2/	11	Doubli Marie						
1	12	- Francis I						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

						1122		
Date: <u>8 / 11</u> /08		Station nu	mber: <u>0</u> 5	50	LS: _ (GMT): _	NRP 10129		
Sample Bottle Bottle Pressure No. DBars		Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:			
	30							
V 2	30							
√ <sub>3</sub>	30							
V 4	30							
V 5	38							
<b>/</b> 6	30							
√ <sub>7</sub>	30							
/ 8	20							
1/9	ID							
V 10	١							
V 1/1								
1/12	1							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

# **EN451 McGillicuddy Cruise**



Date: <u>%</u> / 11 /08		Station no	umber: <u></u> の	50A	INITIALS: URP  TIME (GMT): 10'51
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
1					
2					
3					
4					
5					
6					
7	,				
8	}				
9	)				
10	)				
11					
12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

D	Date: 8	<u>/ 11</u> /08	Station n	umber: _ C	51	INITIALS: KWS TIME (GMT): 12:40		
В	ample ottle o.	ttle Pressure Quality Box Box _			んり 95 COMMENTS:			
	1	25						
	2	25						
	3	50						
	4	50						
	5	50						
	6	4C						
1	7							
	8	20						
	9	10						
	10							
	11	1						
	12							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: 🙎	//08	Station n	umber: _Q	52	INITIALS: KWS TIME (GMT): 13:40		
	Sample Bottle Bottle Pressure		Bottle Quality	Salt Box	Nuts Box	WD: 95-90		
		DBars	Flag	Sample	Sample	COMMENTS:		
	1	75						
<b>/</b> [	2							
	3							
	4							
	5							
_	6	40						
	. 7							
	8	20						
	9	10						
	10	1						
	11	1						
	12	)						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: <u>\$</u>	/     /08	Station nu	ımber: 03	23	INITIALS: KUS TIME (GMT): 14:35			
Sample Bottle No.	Bottle Pressure DBars			1	WD 165 COMMENTS:			
1	150							
2	150							
3	100							
4								
5								
6								
7								
8								
S	10							
10	\ \							
11	l							
12	2							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: <u>\$</u>	/ 11 /08	Station nu	ımber: 📿 🖰	54	INITIALS: KUC TIME (GMT): 15:40		
Sample Bottle No.	Bottle Pressure DBars	Bottle Salt Nuts Quality Box Box Flag Sample Sample		1	WD 166 comments:		
1	,						
2							
3	100						
4							
5							
6							
7							
8							
9	10						
10							
11	la l						
12	2						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 =Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

r		T			l 1817-182		<u> </u>	
Date: 🖇	<u>/                                    </u>	Station nu	mber: 🔼	55			16150	
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box <u>E</u> Sample	Nuts Box Sample	COMMENTS:			
1	210		Elo					
2	700		EII					
3	1,50		<i>E</i> 12					
4	12.8		E13					
5	50							
6	40							
7	30							
8	20							
9	10							
10	1							
11	)							
12	\							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: 8	/_\(_/08	Station nu	mber: Ó Ś	6	INITIALS: <u>CC</u> TIME (GMT): <u>18:05</u>
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box <u>E</u> Sample	Nuts Box Sample	WD: 234 comments:
1	224		Ely		
2	200		Ë15		
3	150		E16		
4			EF	-	
5	So				
6	40				
7	30				
8	20				
9	10				
10					
11					
12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

							CC	
Date: 8	/11 /00	Station nu	mber: <u>ර</u> ී	57	INITIA	LS:	***************************************	***************************************
Date. <u>O</u>	<u>/                                    </u>	Station nu	mber	<del></del>	TIME	(GMT): _	19:20	
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COM	wり:	239	
4	77.5							
2	200							
3	150							
4	100							
5	50							
6	40							
7	30							
8	20							
9	10							
10	Wilderson				-			
11	Allegio							
12	t and a second							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

	Date: 8 / 11 /08 Station number: 058					LS: _ (GMT): _	NRP 21'37
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMN	MENTS:	
√ 1	230						
√ <sub>2</sub>	200						
V 3	150						
V 4	60						
5	50						
√ 6	40						
V 7	30						
1/8	7.8						
V 9	(3)						
<b>1</b> 0	المريدات						
V, 11	# A A A A A A A A A A A A A A A A A A A						
12	1						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: S	Date: <u>\$ / 11 /</u> 08 Station number: <u>0 5 9</u>		INITIALS: NRP TIME (GMT): 22' 42		
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
1	190				
1/ 2	<del> </del>				
V 3					
V 4					
V) 5					
$V$ , $\tau$					
V) 8					
√ g	0) (0				
1/ 10	) 1				
V 11	1				
V 12	2				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

				_	INITI	ALS:	NRP
Date: <u>&amp;</u>	<u>/ 11 /</u> 08	_/08 Station number:060		<u>60</u>			23!48
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box <u>E</u> Sample	Nuts Box Sample	COM	IMENTS:	
$\sqrt{1}$	175		E18				
1/2	150	4,9	-679				
×/ 3	150		519				
(/ 4	601		E20				
5	50						
√ 6	40						
w 7	30						
V 8	20						
1/9	10						
1/10							
V 11	1						
12	. 1						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: <u>\$</u>	/ \2/08	Station number: 06			INITIALS: KWS TIME (GMT): 00:47
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD: ZG4 COMMENTS:
1	190				
2	150				
3	150				
4					
5					
6	<b></b>				
7					
8					
9	10				
	VA Valencia de la compansa de la com				
	Sample Bottle No.  1 2 3 4 5 6 7 8 9 10	Bottle No. Pressure DBars  1 190 2 150 3 150 4 100 5 50 6 110 7 30 8 20 9 10	Sample Bottle Pressure Quality Flag  1 190 2 150 3 150 4 100 5 50 6 110 7 30 8 20 9 10 11	Sample Bottle Pressure DBars Flag Salt BoxSample  1 190 2 150 3 150 4 100 5 50 6 100 7 30 8 20 9 10 11	Sample Bottle Pressure DBars Flag Salt Box_Sample  1 190 Sample Sample Sample  1 190 Sample Sample  2 150 Sample  3 150 Sample  5 50 Sample  7 30 Sample  10 1 Sample  11 Nuts Box_Sample  1 Sample  1 Sample

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 =Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8	Date: 8 /12 /08 Station number: 062				INITIALS: KWS TIME (GMT): O1:50
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	UD 148 COMMENTS:
1	135				
2					
3	100				
4	100				
5	<b>———————</b>				
6	<del>                                     </del>				
7	<del> </del>				
8					
9	10				
10	1				
11	[				
12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: <u>4 / 1 2 /</u> 08		Station number: <u>063</u>			INITIALS: KUS TIME (GMT): 02:55	-
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	レロ ハの comments:	
1	100					
2	100					
3	100					
4	100					
5	50					
6	40					
7	, <u>3</u> 0					
8	20		:			
9	10					
10	1.					
11	1					
12	1 ,					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: <u>&amp; /\Z</u> /08		Station nu	umber: <u>0</u> 6	4	INITIALS: KUS TIME (GMT): Q3:55
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD: 66 comments:
1 2	50 1				
3	İ				
5	7,				
7					
9	A C				
11					
12	44 80				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8		Station n	umber: <u>0</u>	( <u></u>	INITIALS:
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
1	50				
2	50				
3	50				
4	50				
5	50				
6	40				
7	30				
8	28				
9	Óí				
10	)				
11					
12	l				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

					((	
Date: 3 / 1/08 Station number: Dlolo				INITIALS: (\) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	UD:33 COMMENTS:	
1	20					
2	A CONTRACTOR OF THE CONTRACTOR					
3	Dominional					
4	**************************************					
5	U					
6	90					
. 7	20					
8	70					
9	19					
10	(					
11	•ынодр					
12	Milain					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8 / 12 /08 Station number: 067				INITIALS: <u>CC</u> TIME (GMT): 7:37 WD:56			
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	WD:56 COMMENTS:		
1 2	Company of the Continues						
3							
5							
7	30						
8							
10	1						
11				Ì			

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8	/_//08	Station nu	mber: <u>&amp;</u>	<u> </u>	INITIALS: NRP TIME (GMT): 08:33
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
V , 1	70				Ship turned to
1/2	50				From bottord cost
1/ 3	<del> </del>				Imm botter of cust-
4	50				This Coursel CTD
1/5					10 riso ~ 35 m
1/6	38				- After repos water
7					-After repos with derivative
8					10 m
<b>1</b> / 9					
√ 10	) mercury				
, 11	manufaction of the second				
1 1/ 12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

					•	NRD	
Date: <u>\$ /12 /</u> 08		Station nu	umber: <u>O</u>	<u>69</u>	INITIALS: NRP TIME (GMT): 09', 40		
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:		
1	100						
V 2	50						
V 3	50						
/ 4	50						
V 5	20						
V, 6	40						
<u></u> >√ <sub>7</sub>	30						
<b>½</b> / 8	20						
V 9	۵۱						
V 10	* access						
V 11	A CONTRACTOR OF THE CONTRACTOR						
1/ 12	*						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

							NDD	
Date: <u>웅</u>	/ <u>/2-</u> /08	Station number: <u>070</u>					NRP 10:5	
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COM	MENTS:		
_/ 1	125							
1/2	100							
√ 3	100							
1 4	100							
1/5	50							
V 6	40							
7								
1/8	20							
<i>⁵</i> ∕ 9	٥١							
1/ 10	l							
11	1							
√ 12	Attour							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: 8	<u>/12</u> /08	Station nu	umber:O	71	INITIALS: KWS TIME (GMT): 11;59
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	いり 176 COMMENTS:
1	165				
2	150				
3	150				
4	100				
5	50				
6	40				
7	30				
8	20				
g	0 1				
10	) (interest)				
11	pode.				
12					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

- 2 = No problems noted.
- 3 = Leaking bottle.
- 4 = Did not trip correctly.
- 9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: <u>\$</u>	/[2_/08	Station nu	mber: 7	2_	INITIALS: KWS TIME (GMT): 13:05	ng majih pada kapanan kanang
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box <u>E</u> Sample	Nuts Box Sample	185 COMMENTS:	
1	175		21			
2	150		22			
3	150					
4			23			
5						
6						
7						
8						
9	3	19			OPERATED F	PRCR
10	10:					·
11	1			·		
12	2					

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: 🖇	<u>/ 12</u> /08	mber: <u>6</u>	INITIALS: _ TIME (GMT): _			16:06		
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Samplé	Nuts Box Sample	M. 1	54	MENTS:	
1	144		24					
2	100							
3	100							
4	100							
5	50							
6								
7	30							
8	20							
9	10							
10								
11	1							
12								

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

Date: 8	12/08	Station no	umber:	74	INITIALS: (C TIME (GMT): 17:07 W): 165 COMMENTS:		
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample			
1	(50						
2	150						
3	150						
4							
5	50						
6							
7							
8	20						
9	10						
10	de l'entre l'action de l'actio						
11	etra (tra						
12	***************************************						

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

							10	
Date: 8 / 12 /08		Station nu	mber: <u>07</u>	5	INITIALS:			
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	INITIALS: CC  TIME (GMT): 19:05  WD: 135  COMMENTS:			
1	125							
2	190							
3	100							
4	100							
5	50							
6	40							
7	30							
8	70							
9	10							
10	**							
11	Magazine							
12	]							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: <u></u>	Date: <u>8 ハン</u> /08 Station number: <u>0 み</u>				INITIALS: <u>CC</u> TIME (GMT): <u>1907</u>			
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:			
1	140							
2	100							
3	A CANADA MANAGAMENTA PARA PARA PARA PARA PARA PARA PARA PA							
4								
5	50							
6	40							
7								
8	70							
9	lO							
10	)							
11	Na group 200							
12	)							

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

#### **EN451 McGillicuddy Cruise**

Date: 8		Station number: クラ			INITIALS: NRP			
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COM	MENTS:		
1/.1	65							
1/,2								
√ 3	50							
1/.4	50							
1/5	50							
,/ 6	A Lineary Construence							
V 7	3)							
2/8	20							
1/9	Santa Co							
Ĭ/, 10								
7,11	`							
12								

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 =Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

## **EN451 McGillicuddy Cruise**

							NRP	
Date: <u>&amp; / 12</u> /08		Station nu	mber: <u>O</u>	78	INITIA TIME	.LS: (GMT):	NRP 20:53	
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample		MENTS:		
1	20							
1/2	20							
3 سرع	20							
1/ 4	20							
V 5	20							
6	20			_				
7	~ A							
W 8	20							
1/ 9	10							
10	Juddina		:					
i/ 11								
1/ 12								

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

4 = Did not trip correctly.

9 = Sample not drawn from this bottle.

blank = not reported.

PUMP

## **Small Volume Sample Log**

#### **EN451 McGillicuddy Cruise**

Date: 8	/ <u>/</u> 2_/08	Station nu	mber: <u>/</u> 5	<u>78</u> 4	INITIALS:
Sample Bottle No.	Bottle Pressure DBars	Bottle Quality Flag	Salt Box Sample	Nuts Box Sample	COMMENTS:
1	And recommended the second of				
2	), had a second of the second				
3	A company (comply)				
4	popular accusare				
5	2 PAGE SCHOOL STATE SCHOOL SCHOOL STATE SCHOOL S				
6	Avi (Kumunyk) Viite				
7	*JAVA Altegrana VI * #				
8	ist Autoria i detter				
9	s, prings des reperci				
10	y school technolog				
11	N-1-0-bill (A-terms)				
12	Work (Alab ) (Annua				

Bottle Quality Flag Codes: (Source: WHP Data Reporting Requirements sec 3.4.1)

2 = No problems noted.

3 = Leaking bottle.

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