Ammonium analysis

Start time of Reaction: 1630
End time of reaction: 2 June 00:56

Cruise: 2017-05
Date: JUNE 1, 2017

Standards

	Conc.	Raw Fluor	Raw Fluor
S0	0	9.8	25.0
S1	0.5	184.7	188.0
S2	1.0	352.5	350.9
S3	1.5	509.3	514.2
S4	2.0	672.6	665.9
S5	2.5	823.1	826.0

See method for collection of LNSW

Sample	Station	Raw Fluor	Sample	Station	Raw Fluor	Sample	Station	Raw Fluor
361 B	SS1	170.1						
370 A	NL03	128.1						
370 B	"	132.0						
361 A	SS1	173.3						
371 A	NL03	127.7						
371 B	"	132.7						
360 B	SS3	179.9						
372 B	NL03	127.6						
372 A	"	126.0						
360 A	SS3	190.5						
369 B	NL01	22.5						
369 A	"	16.2						
359 B	SS3	178.5						
363 B	SS1	43.3						
368 B	NL01	43.4						
359 A	SS3	185.1						
363 A	SS1	32.5						
368 A	NL01	37.2						
358 B	SS3	255.6						
362 B	SS1	25.1						
367 A	NL01	53.6						
358 A	SS3	245.6						
362 A	SS1	21.5						
367 B	NL01	60.6						
373 A	NL05	356.7						
373 B	"	339.2						
375 A	"	7.9						
374 B	"	19.0						
374 A	"	21.2						
375 B	"	8.8						

Ammonium analysis

Start time of Reaction: 1800
End time of reaction: 0410 (31 May)

Cruise: 2017-05
Date: MAY 30 2017

Standards

	Conc.	Raw Fluor	Raw Fluor
S0	0	8.1	6.8
S1	0.5	183.6	177.4
S2	1.0	338.1	342.9
S3	1.5	497.0	512.6
S4	2.0	649.7	650.2
S5	2.5	802.8	813.0

See method for collection of LNSW

- power cut out reading rep 2. Changed to red plug, had to wait for 10 min warm up again

Sample	Station	Raw Fluor	Sample	Station	Raw Fluor	Sample	Station	Raw Fluor
336 B	CS04	8.6	353 A	CS09	16.2			
336A	↓	9.2	353 B	↓	9.3			
335 B		30.8	352 A		405.8			
335 A		32.6	352 B		404.7			
334 B		408.1	357 A	555	8.9			
334 A	↓	410.4	356 B	↓	9.9			
326 B	CS02	202.7	356 A		8.9			
326 A	↓	190.7	355 B		83.8			
327 B		12.0	355 A		81.5			
327 A		11.4	357 B	↓	9.0			
328 B		11.4						
328 A	↓	37.3						
306 A	CS00	63.3						
305 A	↓	72.8						
307 B		114.6						
306 B		62.0						
305 B		70.8						
307 A	↓	61.8						
274 B	LBP5	29.0						
273 A	↓	129.6						
275 A		11.0						
274 A		22.7						
275 B		8.8						
273 B	↓	119.9						
341 B	CS06	223.6						
341 A	↓	219.9						
342 A		548.9						
342 B		556.2						
343 A		178.7						
343 B	↓	174.5						
354 A	CS09	10.7						
354 B	↓	9.1						

power cut again

Ammonium analysis

Start time of Reaction: 0700
End time of reaction: 1800

Cruise: 2017-05
Date: MAY 27, 2017

Standards

	Conc.	Raw Fluor	Raw Fluor
S0	0	12.9	9.3
S1	0.5	180.2	180.3
S2	1.0	338.6	359.2
S3	1.5	499.1	492.5
S4	2.0	650.4	651.4
S5	2.5	794.3	794.3

See method for collection of LNSW - copepod in std

Sample	Station	Raw Fluor	Sample	Station	Raw Fluor	Sample	Station	Raw Fluor
166A	LC04	~~88.5~~	156A	LC06	181.2			
167B	LC04	45.5	147A	LC08	223.0			
167A	LC04	34.0	147B	LC08	223.6			
165B	LC04	438.0	156B	LC06	173.3			
165A	LC04	436.2	136B	LC09	27.8			
166B	LC04	~~48.0~~	138B	LC09	27.1			
175B	LC02	142.1	136A	LC09	~~30.1~~ 29.6			
173B	LC02	309.1	135A	LC09	58.1			
172B	LC02	572.5	135B	LC09	51.8			
175A	LC02	148.8	138A	LC09	~~26.5~~ 25.7			
173A	LC02	307.5	119A	LC11	83.5			
172A	LC02	574.4	120B	LC11	51.1			
181A	LC01	532.3	121B	LC11	31.0			
182B	LC01	318.6	119B	LC11	238.8 copepod			
182A	LC01	320.3	120A	LC11	48.1			
180B	LC01	601.8	121A	LC11	51.1			
180A	LC01	596.3	194A	LG02	36.8			
181B	LC01	520.5	192B	LG02	31.3			
185B	LG01	107.5	193B	LG02	54.7			
186A	LG01	25.1	193A	LG02	43.7			
187A	LG01	22.7	194B	LG02	29.3			
185A	LG01	108.8	192A	LG02	22.6			
186B	LG01	14.4						
187B	LG01	13.7						
155B	LC06	555.5						
155A	LC06	557.9						
157B	LC06	65.3						
150A	LC08	14.6						
150B	LC08	10.3						
157A	LC06	57.8						
148A	LC08	87.5						
148B	LC08	86.3						

Ammonium analysis

Start time of Reaction 2000
End time of reaction 0700

Cruise 2017-05
Date 26 MAY 2017

Standards

	Conc.	Raw Fluor	Raw Fluor
S0	0	14.1	13.7
S1	0.5	183.2	184.6
S2	1.0	338.1	346.4
S3	1.5	496.7	502.3
S4	2.0	657.4	669.5
S5	2.5	808.2	820.8

See method for collection of LNSW

Sample	Station	Raw Fluor	Sample	Station	Raw Fluor	Sample	Station	Raw Fluor
44A	LB08	91.5	24B	LB04	320.3			
43A	LB08	131.6	22A	LB04	471.5			
42A	LB08	290.5	23B	LB04	~~368.7~~ 363.5			
44B	LB08	92.1	24A	LB04	337.5			
43B	LB08	132.2	11A	LB02	553.3			
42B	LB08	293.1	12A	LB02	561.5			
54A	LB09	195.6	14B	LB02	~~571.8~~ 573.6			
53A	LB09	159.4	11B	LB02	542.9			
52A	LB09	178.8	12B	LB02	563.2			
54B	LB09	136.5	14A	LB02	581.4			
53B	LB09	166.4	5A	LB01	459.0			
52B	LB09	183.5	6B	LB01	617.2			
65A	LB11	16.3	8A	LB01	653.6			
64B	LB11	148.2	5B	LB01	461.2			
64A	LB11	130.6	6A	LB01	607.2			
66B	LB11	27.6	8B	LB01	664.6			
66A	LB11	34.5	100A	LB14	15.1			
65B	LB11	22.4	99A	LB14	8.1			
80A	LB12	173.4	98A	LB14	12.0			
81B	LB12	42.4	100B	LB14	18.4			
81A	LB12	55.9	99B	LB14	7.3			
79B	LB12	35.3	98B	LB14	11.1			
79A	LB12	42.6						
80B	LB12	171.1						
30A	LB06	298.6						
31A	LB06	198.3						
32A	LB06	189.7						
30B	LB06	299.7						
31B	LB06	191.9						
32B	LB06	188.2						
22B	LB04	471.8						
23A	LB04	369.7						