

****Before doing anything, record a) and b) and then standardize.**

flush 3 read 2

Ocean Science and Productivity Division

Cruise ID: Arctic 2007-20

AUTOSAL SALINITY ANALYSIS

Date of analysis: Nov 20/07

AutoSal. model: 8400B

Serial No. 68572

a) Initial Standby (Ratio) value: 24+ 6034

Standardization: (is the conductivity

Vial information

b) Initial standard dial value (inside little rectangle): 5

+/- 0.00001 compared to standard? check a box below

K₁₅ Value: 0.99982

Bath temperature: 24

Initial standard outside dial value: 7

☒ Yes- no adjustment of standard dial required

Batch # P147

Sample temperature: 22.2

c) Standby ratio after standardization 6034

☐ No- standard dial adjusted to: (record below)

Batch Date: June 6, 2006

Room temperature: 22.3

(if changed): 24+

outside dial #:

inside dial #:

Analyst:

d) Final Standby value (at end): 24+

Sample	Station Name	Niskin Depth Bottle	Ratio 1	Ratio 2	Ratio 3 (if needed) and/or Comments
2151	CB-31b	1	1.99517	1.99518	CAL 1.99960 FINAL - 0.999811
2152	Cast #105	2	1.99439	1.99438	
2153		3	1.99388	1.99389	
2154		4	1.99276	1.99276	
2155		5	1.99185	1.99185	
2156		6	1.99093	1.99092	
2157		7	1.98804	1.98805	
2158		8	1.98629	1.98630	
2159		9	1.98077	1.98077	
2160		10	1.97084	1.97084	
2161		11	1.95153	1.95153	*Sample 2161 may be too low
2162		12	1.93837	1.93836	
2163		13	1.92137	1.92137	
2164		14	1.90538	1.90539	
2165		15	1.89583	1.89584	
2166		16	1.87972	1.87973	
2167		17	1.86492	1.86492	
2168		18	1.82207	1.82208	
2169		19	1.70990	1.70990	
2170		20	1.66630	1.66630	2170 + 2171 ARE LISTED AS 2171 AND THEN 2170 IN FILE
2171		21	1.57117	1.57118	

****Before doing anything, record a) and b) and then standardize.**

Cruise ID: Arcic 2007-20 **AUTOSAL SALINITY ANALYSIS**

Date of analysis: Nov 20/07

AutoSal. model: **8400B**

Serial No. **68572**

a) Initial Standby (Ratio) value: **24+ 6033**

Standardization: (is the conductivity

Vial information

b) Initial standard dial value (inside little rectangle):

+/- 0.00001 compared to standard? check a box below

K₁₅ Value: 0.99982

Bath temperature: 24

Initial standard outside dial value:

☐ Yes- no adjustment of standard dial required

Batch # P147

Sample temperature: 22

c) Standby ratio after standardization

☐ No- standard dial adjusted to: (record below)

Batch Date: JUNE 6, 2006

Room temperature: 22

(if changed): **24+**

outside dial #:

inside dial #:

Analyst:

d) Final Standby value (at end): **24+ 6033**

Sample	Station Name	Depth	Ratio 1	Ratio 2	Ratio 3 (if needed) and/or Comments
2172	CABOS-107	1	1.99488	1.99488	DUP?
2172	"	1	1.99474	1.99475	DUP?
2173		2	1.99423	1.99423	
2174		3	1.99342	1.99342	
2175		4	1.99324	1.99323	
2176		5	1.99247	1.99248	
2177		6	1.99173	1.99173	
2178		7	1.99113	1.99112	
2179		8	1.99043	1.99043	
2180		9	1.99013	1.99012	
2181		10	1.98780	1.98778	
2182		11	1.98553	1.98552	
2183		12	1.98029	1.98029	2183 WAS REPEATED - OK,
2184		13	1.97197	1.97198	
2185		14	1.95342	1.95343	
2186		15	1.92673	1.92675	
2187		16	1.90542	1.90541	
2188		17	1.89547	1.89546	
2189		18	1.88138	1.88139	
2190		19	1.86529	1.86529	
2192*		21	1.81984	1.81982	No 2191*
2193		22	1.77226	1.77225	
2194		23	1.70937	1.70936	
2195		24	1.62012	1.62008	