

Note: wearing lyvek suit with hoodie for sample collection & wearing nitrile gloves.
sieve covered with aluminium foil while sieving.

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Water Sampling Data Sheet

Project name: 2018-63 DBO/C30 on Sir Wilfrid Laurier CCGS

Project director: John Velsor (Chief Scientist)

Field Scientist: Sarah-Ann Quesnel / Sarah Zimmermann

(local) Date	Sample ID	Sample Location	Sample (L/min) flow rate	Sieving time	Sample Vol (L)	Latitude	Longitude	Comments
1 7/7/2018	loop 2	Stat Georgia			38.6	50° 12.466'	125° 00.488'	flam' lugrowater out let stop will take from other outlet after this sample
2	loop 2 BLK	Air BLK	~5 min during sample collection					
3 9/7/2018	loop 6	Wicoma from: Haida Gwaii	8.76L	21.50	188.3	52° 2.741'	132° 29.788'	START -> Flk 11 on 00005 hex file
4						52° 4.038'	132° 36.656'	END -> Flk 12
5 15/7/2018	loop 13	N. Pacific	~8.90L	20.70	185.1	53° 30.002'	141° 28.049'	Start -> Flk 33 didn't measure flow rate
6						53° 30.715'	141° 34.201'	End -> Flk 34 so estimated it. Sample
7	loop 13	Air BLK	exposed to air during sample collection					is in 2 vials on sample had lots of bio goop.
8	loop 13	counter swab around sampling						area bio goop.
9 11/7/2018	loop 27a	Sieve BLK	0.56	20.87	11.3	54° 7.913'	146° 56.798'	Bad BLK - & am like sieve wasn't rinsed well enough - will re-do
10	loop 27a	N. Pacific	9.09	20.13	183.0	54° 7.913'	146° 56.798'	Start -> Flk 51 (7:15 min after start)
11						54° 8.492'	149° 9.258'	sample in 4 vials -> lots of bio goop - hard to sieve/collect
12 12/7/2018	loop 37.5	sieved BLK	0.57	16.43	9.4	54° 12.243'	157° 42.364'	Start -> Flk 3 on 00006 hex flk @ 7:48 min aft
13	loop 37.5	Gulf Alaska	8.90	10.01	89.1	54° 13.242'	157° 43.340'	End -> Flk 4 * in 2 vials start of sampling.
14						54° 13.763'	166° 9.895'	Start -> Flk 22 * in 2 vials, same
15 13/7/2018	loop 48	Bering Sea near Dutch Harbor	8.99	9.66	86.8	54° 12.494'	166° 12.534'	Start -> Flk 23 as loop 37.5
16						54° 12.494'	166° 12.534'	Start -> Flk 23 as loop 37.5
17 14/7/2018	loop 49	Bering Sea	12.46	10.02	124.8	54° 45.677'	167° 0.629'	Start -> Flk 1 on 00007 hex very goopy sample
18						54° 46.996'	167° 1.469'	End -> Flk 2 in 2 vials *
19	loop 49	Air BLK	while processing sample					
20 15/7/2018	loop 52	Bering Sea near Dutch Harbor	13.79	10.32	142.3	57° 34.049'	170° 23.586'	Start -> Flk 3 on 00007 hex red algae
21								End -> Flk 8 in 2 vials.
22 16/7/2018	loop 57	Bering Sea	3.75	10.12	37.95	62° 28.591'	174° 0.4621'	Start -> Flk 14 towards St. Lawrence is
23						62° 29.210'	173° 56.536'	End -> Flk 15
24 17/7/2018	loop 59	Bering Sea	4.20	11.02	462.9	63° 40.249'	172° 29.214'	Start -> Flk 18 in 2 vials
25						63° 55.243'	172° 5.825'	End -> Flk 19 Forget about it -> very long sieving in
26 18/7/2018	loop 60	Bering Sea	4.05	20.06	81.24	65° 33.238'	168° 38.744'	Start Flk 5 on 00008 hex
27						65° 36.065'	168° 32.458'	End Flk 6

* Sample seems to have filamentous algae with some sort of hydrophobic layer or mucus layer - sample would creep back up when trying to collect @ bottom of sieve to transfer into vials.

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Date	Sample ID	Sample Location	flow rate	Sieving time	Sample Vol	Latitude	Longitude	Comments
1 20-Jul-2008	Loop 73	CLAYTONS SEA SECTION	4.08	20.34	82.99	67°52'28.2"	168°16'8.18"	TK1 - Start on 0009, hex file. Sample in
2						67°48'8.00"	168°20'8.22"	TK2 - End 2 vials as very goopy - hard to sie
3	Air Blk	Loop 73						collecting loop 73 from sieve.
4 21-Jul-2008	Loop 75	CLAYTONS SEA TOWARDS DBOA	4.01	20.15	81.00	70°37'9.81"	164°24'6.16"	TK4 - Start on 0009, hex file
5								TK5 - End
6 22-Jul-08	Loop 78	towards Barchu	3.30	20.80	68.61	71°14'7.08"	160°24'6.64"	TK6 - Start 2 on 0010, hex file
7						71°12'4.57"	160°18'1.22"	TK7 - Start 3 in 4 vials. Very slimy.
8	Air Blk	during loop 78						collection from sieve.
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