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ATTENTION: **Simon Marwick**

LABORATORY ANALYSIS REPORT

#71278

Thursday, 8 February 2018

Your Order #- 55945 (until 30/09/2016) .

Job Start: 23/01/18 08:12:07

LAB. REF.	Sample Taken:	Sample Description	c o m m e n t s					
			Test start:	Test complete:	ANALYSIS	RESULT	Analytical Method	Detection Limits
22237	21/01/18 09:00	ic reports to: simonmarwick@gmail.com, WCrighton@sanford.co.nz, PNicolson@sanford.co.nz, mmcdonald@sanford.co.nz, ndh@aquadynamicsolutions.net						
		Big Glory Bay ~ 1	23/01/18 09:24:23	29/01/18 12:46:17	Chlorophyll A *	0.42 µg/L	Extract + Spectro	0.05 µg/L
22238	21/01/18 09:00	Big Glory Bay ~ 2	23/01/18 09:24:20	29/01/18 12:46:20	Chlorophyll A *	0.20 µg/L	Extract + Spectro	0.05 µg/L
		Big Glory Bay ~ 3	23/01/18 09:24:07	29/01/18 12:46:24	Chlorophyll A *	0.44 µg/L	Extract + Spectro	0.05 µg/L
>> Referral: Hill Laboratories, Hamilton.			23/01/18 09:54:23	7/02/18 10:34:42	Dissolved Reactive Phosphorus *	0.0088 ppm	APHA4500-P, G	0.005 ppm
>> Referral: Hill Laboratories, Hamilton.			23/01/18 09:54:21	7/02/18 10:34:23	Ammoniacal Nitrogen *	0.020 ppm	APHA4500-NH3, H	0.01 ppm
>> Referral: Hill Laboratories, Hamilton.			23/01/18 09:54:22	7/02/18 10:34:33	Nitrate Nitrogen (Seawater) *	0.0030 g/m³		
			23/01/18 13:55:33	7/02/18 15:44:18	Suspended Solids (NFR/TSS)	19 g/m³	APHA 2540, D	3 g/m³
			23/01/18 13:55:33	26/01/18 12:56:03	Volatile Susp. Solids (g/m³)	9 g/m³	APHA 2540, D and G	
>> Referral: c i t i l b !! ?? !!			a23/01/18 09:24:04	7/02/18 15:40:08	Particulate Carbon *	216 µg C/L		
>> Referral: c i t i l b !! ?? !!			a23/01/18 09:24:06	7/02/18 15:40:14	Particulate Nitrogen *	52.6 µg N/L		
22240	21/01/18 09:00	Big Glory Bay ~ 4	23/01/18 09:23:51	29/01/18 12:46:31	Chlorophyll A *	0.84 µg/L	Extract + Spectro	0.05 µg/L
		>> Referral: Hill Laboratories, Hamilton.	23/01/18 09:54:32	7/02/18 10:35:16	Dissolved Reactive Phosphorus *	0.0097 ppm	APHA4500-P, G	0.005 ppm
>> Referral: Hill Laboratories, Hamilton.			23/01/18 09:54:30	7/02/18 10:35:00	Ammoniacal Nitrogen *	0.022 ppm	APHA4500-NH3, H	0.01 ppm
>> Referral: Hill Laboratories, Hamilton.			23/01/18 09:54:31	7/02/18 10:35:07	Nitrate Nitrogen (Seawater) *	0.0010 g/m³		
			23/01/18 13:55:37	7/02/18 15:44:14	Suspended Solids (NFR/TSS)	9 g/m³	APHA 2540, D	3 g/m³
			23/01/18 13:55:39	26/01/18 12:55:56	Volatile Susp. Solids (g/m³)	6 g/m³	APHA 2540, D and G	
>> Referral: c i t i l b !! ?? !!			a23/01/18 09:23:54	7/02/18 15:44:07	Particulate Carbon *	15.5 µg C/L		
>> Referral: c i t i l b !! ?? !!			a23/01/18 09:23:55	7/02/18 15:44:09	Particulate Nitrogen *	2.0 µg N/L		
22241	21/01/18 09:00	Big Glory Bay ~ 5	23/01/18 09:23:48	29/01/18 12:46:36	Chlorophyll A *	0.80 µg/L	Extract + Spectro	0.05 µg/L

12/02/18 16:13:20 1of2 #71278~ FormName:LAR,Issue#:12_101004,Approved:GKM.

22242

21/01/18
09:00

Big Glory Bay ~ 6

23/01/18 29/01/18
09:23:46 12:46:40

Chlorophyll A *

0.59 µg/L

Extract + Spectro

0.05 µg/L

Analyst's Comments:

These samples were collected by yourselves and analysed as received at the laboratory.

The detection limits given are those attainable in a relatively clean matrix.

Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis.

Units: In accordance with modern practice the previous 'mg/L' is now expressed as the equivalent 'g/m³'.



Citilab is accredited by International Accreditation New Zealand (IANZ). The tests reported here have been performed in accordance with its terms of accreditation - with exception of any marked *, which are not within Citilab's scope.

Dr. Frank Ho
Lab Services Manager