

Analysis for:

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Laboratory Analysis Results

Project description

Oxnard Channel Islands
 Sample collection date: 03/26/2020 – 06/24/2020
 Number of samples: 54
 Replication: Duplicates
 Samples received as: Filters
 Sample received on: 03/26/2020; 06/26/2020
 Sample extracted on: 05/26/2020; 06/27/2020
 Extracted samples measured on: 05/27/2020; 06/28/2020
 Report date: 07/08/2020

Analysis details

Analyte: Chlorophyll *a*
 Instrument: Turner Trilogy Laboratory Fluorometer
 Method: Extracted chlorophyll *a* – non-acidification method
 Detection limit: 0.025 µg/L

Sample date	Station/Sample	Volume filtered (ml)	Chlorophyll <i>a</i> (µg/L)				Remarks
			Replicate	Replicate	Average	Standard deviation	
3/26/2020	6	50	4.49	4.47	4.48	0.01	
3/26/2020	7	50	1.74	1.70	1.72	0.03	
4/3/2020	6	50	1.56	1.08	1.32	0.34	
4/3/2020	7	50	3.06	2.62	2.84	0.31	
4/3/2020	20	50	1.50	1.42	1.46	0.06	
4/3/2020	23	50	1.71	1.83	1.77	0.08	
4/8/2020	6	50	1.99	2.42	2.21	0.30	
4/8/2020	7	50	1.44	1.42	1.43	0.01	
4/8/2020	20	50	0.81	0.98	0.90	0.12	
4/8/2020	23	50	1.03	0.87	0.95	0.11	
4/15/2020	6	50	2.02	1.64	1.83	0.27	
4/15/2020	7	50	2.17	2.48	2.33	0.22	
4/15/2020	20	50	1.33	1.21	1.27	0.08	
4/15/2020	23	50	1.23	1.06	1.15	0.12	
4/22/2020	6	50	10.91	10.75	10.83	0.11	
4/22/2020	7	50	5.83	7.17	6.50	0.95	
4/22/2020	20	50	1.30	1.07	1.19	0.16	
4/22/2020	23	50	4.70	3.41	4.06	0.91	
4/29/2020	6	50	1.64	1.73	1.69	0.06	
4/29/2020	7	50	3.26	3.08	3.17	0.13	
4/29/2020	20	50	3.95	4.01	3.98	0.04	
4/29/2020	23	50	2.79	2.94	2.87	0.11	

Sample date	Station/Sample	Volume filtered (ml)	Chlorophyll <i>a</i> (µg/L)				Remarks
			Replicate	Replicate	Average	Standard deviation	
5/5/2020	6	50	1.56	1.64	1.60	0.06	
5/5/2020	7	50	5.31	5.08	5.20	0.16	
5/5/2020	20	50	1.75	1.90	1.83	0.11	
5/5/2020	23	50	19.55	27.15	23.35	5.37	
5/12/2020	6	50	4.17	2.44	3.31	1.22	
5/12/2020	7	50	2.23	1.75	1.99	0.34	
5/12/2020	20	50	1.26	1.02	1.14	0.17	
5/12/2020	23	50	0.90	0.94	0.92	0.03	
5/20/2020	6	50	1.57	1.88	1.73	0.22	
5/20/2020	7	50	1.13	1.28	1.21	0.11	
5/20/2020	20	50	0.60	0.78	0.69	0.13	
5/20/2020	23	50	3.70	5.42	4.56	1.22	
5/26/2020	6	50	2.82	3.31	3.07	0.35	
5/26/2020	7	50	3.71	3.65	3.68	0.04	
5/26/2020	20	50	1.31	1.36	1.34	0.04	
5/26/2020	23	50	2.71	2.43	2.57	0.20	
6/3/2020	6	50	1.64	1.50	1.57	0.10	
6/3/2020	7	50	0.64	0.74	0.69	0.07	
6/3/2020	20	50	0.86	0.88	0.87	0.01	
6/3/2020	23	50	1.66	1.93	1.80	0.19	
6/10/2020	6	50	1.58	1.39	1.49	0.13	
6/10/2020	7	50	0.91	0.91	0.91	0.00	
6/10/2020	20	50	0.38	0.89	0.64	0.36	
6/10/2020	23	50	1.17	1.03	1.10	0.10	
6/16/2020	6	50	3.65	4.76	4.21	0.78	
6/16/2020	7	50	4.23	4.20	4.22	0.02	
6/16/2020	20	50	4.53	2.39	3.46	1.51	
6/16/2020	23	50	2.94	2.99	2.97	0.04	
6/24/2020	6	50	4.96	4.61	4.79	0.25	
6/24/2020	7	50	4.90	5.08	4.99	0.13	
6/24/2020	20	50	1.60	1.66	1.63	0.04	
6/24/2020	23	50	2.52	2.02	2.27	0.35	