

## Appendix

## Appendix

DATA PH																
	27-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	27-Sep	04-Oct	11-Oct
AMF 1A	7.55	7.86	8	7.6	7.74	7.5	7.58	7.64	7.56	7.76	7.78	7.69	7.57	7.905	7.58	7.7
AMF 2A	7.57	7.89	7.8	7.65	7.72	7.45	7.69	7.58	7.51	7.57	7.8	7.73	7.709	7.73	7.59	7.52
AMF 3A	7.3	7.84	7.78	7.7	7.75	7.65	7.72	7.56	7.63	7.8	7.87	7.7	7.45	7.7	7.72	7.71
AMF 4A	7.34	7.72	7.83	7.5	7.58	7.44	7.58	7.44	7.44	7.63	7.65	7.5	7.77	7.71	7.66	7.52
AMF 5A	7.08	7.51	7.67	7.15	7.17	6.93	7.07	7.09	7.21	7.31	7.42	7.17	7.22	7.32	7.24	7.31
AMF 1B	7.77	7.86	7.79	7.89	7.65	7.55	7.66	7.54	7.68	7.59	7.82	7.65	7.58	7.93	7.73	7.78
AMF 2B	7.57	7.9	7.9	7.9	7.4	7.54	7.59	7.65	7.70	7.73	7.9	7.5	7.67	7.92	7.85	7.83
AMF 3B	7.62	8	8.2	7.9	7.89	7.59	7.64	7.65	7.73	7.71	8.02	7.72	7.54	7.83	7.48	7.74
AMF 4B	7.5	7.91	7.87	7.8	7.7	7.35	7.49	7.56	7.65	7.62	7.9	7.65	7.51	7.5	7.8	7.68
AMF 5B	6.78	7.3	7.5	7.3	7.03	6.93	7.01	7.04	7.15	7.17	7.78	7.57	7.258	7.44	7.28	7.23
NOamf 1	7.37	8.041	8.1	7.5	7.95	7.73	7.8	7.69	7.66	7.79	7.82	7.8	7.66	7.75	7.65	7.41
NOamf 2	7.55	7.87	7.93	7.6	7.87	7.61	7.83	7.50	7.67	7.76	7.81	7.81	7.79	7.73	7.61	7.63
NOamf 3	7.4	7.87	7.82	7.71	7.98	7.83	7.9	7.58	7.63	7.57	7.78	7.73	7.59	7.79	7.72	7.53
NOamf 4	7.36	7.75	8.07	7.62	7.85	7.55	7.76	7.53	7.56	7.62	7.69	7.6	7.35	7.55	7.55	7.54
NOamf 5	7.43	8.04	7.9	6.91	7.94	7.7	7.91	7.69	7.15	7.8	7.9	7.77	7.97	7.69	7.65	7.55
IN1	7.12	7.234	7.4	7.3	7.02	7.01	7.05	6.97	7.15	7.08	7.26	7.11	7.05	7.23	7.33	7.07
IN2	7.04	7.34	7.2	7.2	7.01	7	7.03	6.91	7.13	6.94	7.2	7.12	7.01	7.46	7.34	7.06
IN3	7	7.13	7.2	7.2	7.03	7.03	7.05	6.97	7.12	6.93	7.2	7.10	7.01	7.26	7.27	7.07
IN4	6.99	7.13	7.34	7.3	6.99	6.9	7.03	6.96	7.07	7.01	7.19	6.99	7.02	7.21	7.16	7.07
IN5	7	7.25	7.2	7.4	7.104	7	7.08	6.96	7.16	6.96	7.23	6.98	7.04	7.19	7.27	7.06
IN6	7	7.16	7.2	7.2	7.06	6.97	7.08	6.92	7.14	6.97	7.2	6.99	6.89	7.2	7.26	7.07
IN7	6.96	7.34	7.2	7.2	7.04	6.99	7.04	6.94	7.20	7.01	7.15	6.89	6.99	7.14	7.25	7.06
IN8	6.98	7.19	7.2	7.3	7	7	7.03	6.95	7.24	6.95	7.1	7.03	7.01	7.19	7.23	7.07

Appendix

DATA ORP																
	27.6.	5.7.	12.7.	19.7.	26.7.	2.8.	9.8.	16.8.	23.8.	30.8.	6.9.	13.9.	20.9.	27.9.	4.10.	11.10.
AMF 1A	188	255	325	279	250	213	201	228	213	93	222	199	173	196	161	206
AMF 2A	119	260	253	230	230	150	158	173	150	93	190	145	145	162	134	-195
AMF 3A	-43	246	249	215	222	133	152	148	133	120	175	156	127	143	46	-90
AMF 4A	67	227	245	200	207	134	145	130	134	53	173	171	116	130	25	-20
AMF 5A	-120	212	244	194	206	111	160	121	111	103	146	133	115	126	-40	-41
AMF 1B	116	91	130	89	43	68	44	93	68	110	96	130	-14	68	-17	-27
AMF 2B	109	108	138	149	110	71	23	81	71	85	74	99	20	59	-43	-13
AMF 3B	-170	122	135	130	80	52	42	63	52	122	67	121	9	49	-41	-2
AMF 4B	62	112	141	112	81	40	48	50	40	57	71	68	15	14	-11	-313
AMF 5B	-160	157	148	121	90	53	23	46	53	66	73	98	23	49	43	-40
NOamf 1	-90	192	228	132	165	82	154	95	82	82	130	114	102	108	-23	-240
NOamf 2	-62	158	193	114	137	61	88	93	61	72	103	89	86	92	-15	-300
NOamf 3	-75	122	177	92	111.5	147	14	52	147	50	103	95	-264	85	-7	-203
NOamf 4	-90	89	163	67	70	22	15	49	22	55	102	36	-82	86	10	-260
NOamf 5	-70	89	100	-50	30	18	-6	77	18	140	102	53	-2	75	-16	-275
IN1	44	174	144	142	183	106	160	100	106	120	89	111	82	65	44	26
IN2	71	176	148	147	184	111	163	109	111	123	91	101	84	65	52	37
IN3	90	184	157	140	164	115	162	113	115	133	95	103	85	76	58	48
IN4	116	190	161	167	171	121	164	116	121	131	98	105	85	77	64	50
IN5	116	190	165	150	172	120	165	118	120	132	97	103	86	80	45	58
IN6	130	203	179	152	174	126	162	134	126	140	95	99	89	85	64	59
IN7	125	191	173	159	176	128	163	154	128	138	102	98	88	92	67	61
IN8	130	202	186	156	177	130	166	163	130	136	104	89	87	98	70	61

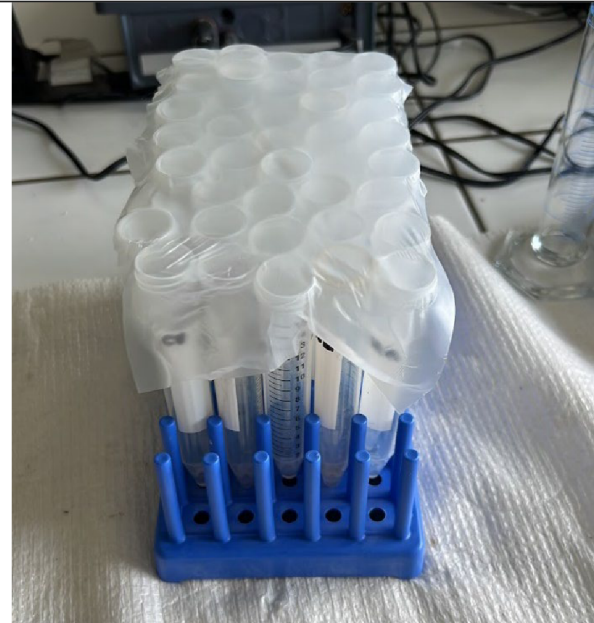
## Appendix

VOLUME OUTFLOW																
	27.6.	5.7.	12.7.	19.7.	26.7.	2.8.	9.8.	16.8.	23.8.	30.8.	6.9.	13.9.	20.9.	27.9.	4.10.	11.10.
AMF 1A	1.7	1.6	1.6	1.6	1.7	1.5	1.7	1.5	1.6	1.5	1.5	1.6	1.5	1.5	1.6	1.5
AMF 2A	1.6	1.4	1.5	1.4	1.5	1.5	1.4	1.3	1.6	1.4	1.4	1.4	1.5	1.6	1.5	1.5
AMF 3A	1.7	1.5	1.4	1.5	1.5	1.7	1.6	1.4	1.6	1.4	1.5	1.3	1.4	1.4	1.6	1.4
AMF 4A	1.5	1.3	1.4	1.3	1.6	1.4	1.4	1.2	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5
AMF 5A	1.4	1.2	1.3	1.2	1.4	1.4	1.5	1	1.3	1.3	1.3	1.4	1.4	1.4	1.3	1.6
AMF 1B	1.7	1.7	1.6	1.7	1.7	2	1.8	1.6	1.3	1.5	1.6	1.5	1.6	1.6	1.6	1.6
AMF 2B	1.6	1.9	1.7	1.5	1.8	1.5	1.5	1.5	1.0	1.6	1.4	1.4	1.5	1.7	1.6	1.5
AMF 3B	1.6	1.8	1.5	1.6	1.9	1.5	1.9	1.6	1.8	1.7	1.6	1.6	1.5	1.5	1.5	0.5
AMF 4B	1.5	1.6	1.5	1.6	1.7	1.8	1.8	1.3	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.6
AMF 5B	1.4	1.3	1.4	1.1	1.4	1.3	1.4	1.5	1.6	1.4	1.5	1.4	1.6	1.5	1.4	1.5
VOamf 1	1.6	1.9	1.8	1.9	2	0.9	2.2	1.5	1.5	1.3	1.4	1.6	1.5	1.6	1.5	1.5
VOamf 2	1.8	2	1.9	2	1.9	2	2.3	1.7	1.6	1.7	1.6	1.6	1.5	1.6	1.4	1.5
VOamf 3	1.7	2.1	1.8	2	2	1.9	2	1.5	1.7	1.8	1.5	1.5	1.6	1.6	1.5	1.5
VOamf 4	1.7	2.2	2	2	1.9	2	1.9	1.5	1.5	1.5	1.5	1.6	1.4	1.5	1.3	1.6
VOamf 5	1.6	1.9	1.8	2	2	1.9	2.1	1.5	1.4	1.6	1.6	1.4	1.3	1.5	1.6	1.6

## Appendix



Preparation of Inflow Macronutrients



Preparation of Inflow - Micronutrient

## Appendix

NH4 Concentration																	
	27.6.	5.7.	12.7.	19.7.	26.7.	2.8.	9.8.	16.8.	23.8.	30.8.	6.9.	15.09.	20.09.	27.09.	10.4.	11.10.	
AMF 1A	19.44	4.09	5.45	15.93	6.84	6.32	10.93	11.43	10.03	10.01	13.73	11.44	14.36	9.00	16.76	16.04	
AMF 2A	20.14	3.18	3.74	6.21	5.45	7.66	11.10	11.75	9.73	10.35	13.27	11.10	15.93	16.23	17.25	16.68	
AMF 3A	23.90	3.93	4.11	7.47	7.28	8.13	11.58	12.34	10.49	12.39	12.66	13.69	16.48	16.84	17.05	16.68	
AMF 4A	24.13	3.51	3.63	6.64	6.78	7.96	11.37	11.93	11.31	13.03	12.09	12.59	17.31	17.25	16.56	17.31	
AMF 5A	26.60	5.51	5.12	7.33	5.73	6.74	9.83	13.83	8.53	15.43	15.27	12.96	20.00	19.38	16.52	18.71	
AMF 1B	25.38	11.96	6.92	12.65	10.56	12.97	14.12	18.71	21.47	17.90	15.94	19.06	19.49	22.84	21.40	21.61	
AMF 2B	33.18	9.29	2.15	12.03	12.72	13.05	15.07	18.10	24.62	16.75	17.65	19.04	19.90	34.14	22.14	20.38	
AMF 3B	33.99	17.08	4.92	13.74	10.84	13.97	16.92	20.15	19.28	17.35	10.83	19.37	17.69	31.66	22.71	25.94	
AMF 4B	32.32	17.05	12.34	13.52	11.07	13.23	16.75	18.42	17.78	16.43	10.24	14.96	23.39	29.55	23.06	22.19	
AMF 5B	34.09	18.87	7.63	17.92	16.14	16.35	18.00	22.58	14.99	23.07	15.76	20.44	22.05	32.36	25.43	24.90	
NOamf 1	34.33	25.12	11.88	30.79	31.96	20.94	32.47	35.20	11.97	30.86	31.14	28.75	33.16	19.86	30.15	28.16	
NOamf 2	34.38	12.45	13.08	31.98	36.24	21.01	32.85	34.45	13.90	34.17	32.13	30.77	36.40	21.54	28.91	32.48	
NOamf 3	34.54	21.23	21.51	38.95	29.47	21.45	35.32	34.24	14.94	24.77	27.85	28.33	30.27	19.04	31.66	23.23	
NOamf 4	34.48	25.33	14.29	36.49	32.90	23.87	32.36	34.11	12.53	32.90	28.46	26.98	29.69	21.99	30.61	28.91	
NOamf 5	34.43	20.29	17.22	25.04	26.16	27.60	32.90	33.61	13.53	35.93	31.61	31.30	34.36	21.23	34.45	30.32	
IN1	6.40	20.57	7.04	4.55	6.35	3.74	5.36	5.62	5.74	3.75	4.18	3.40	8.33	4.63	3.35	4.00	
IN2	5.68	19.78	5.92	4.05	6.44	4.33	3.92	5.32	4.45	3.45	4.64	2.72	2.76	4.14	2.68	6.29	
IN3	5.09	19.15	5.77	4.60	5.82	2.82	4.38	5.39	4.23	3.66	4.24	2.68	3.13	3.70	2.71	5.26	
IN4	5.17	21.22	5.98	7.39	3.98	2.83	3.32	5.60	5.07	3.34	3.60	2.58	3.16	3.78	2.47	3.70	
IN5	4.96	19.34	3.75	7.38	3.96	2.67	3.71	5.19	4.13	3.87	4.75	2.73	2.56	4.78	3.65	4.30	
IN6	5.35	19.96	5.58	4.31	4.21	2.52	3.18	5.63	3.69	3.58	2.92	2.95	11.65	4.74	2.76	3.97	
IN7	5.12	19.92	6.70	3.21	4.61	2.85	3.79	4.24	4.10	4.65	3.69	2.90	5.82	4.35	3.98	3.81	
IN8	4.86	20.21	6.37	4.22	3.97	1.45	3.93	5.37	3.16	3.87	3.43	2.79	1.94	3.79	5.02	4.29	

## Appendix

	NO <sub>2</sub> - Concentration															
	27-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	27-Sep	04-Oct	11-Oct
AMF 1A	0.4378	0.4442	0.4801	0.3465	0.4728	0.3526	0.4323	0.4634	0.4439	0.4515	0.6056	0.5346	0.5447	0.5858	0.5267	0.4459
AMF 2A	0.4448	0.4390	0.5185	0.5088	0.5547	0.3495	0.4750	0.4055	0.4293	0.4195	0.5206	0.5355	0.5191	0.5173	0.5008	0.4692
AMF 3A	0.3492	0.4491	0.5152	0.5228	0.4756	0.4625	0.5526	0.4199	0.4010	0.4199	0.4677	0.4890	0.4639	0.5222	0.4683	0.4439
AMF 4A	0.4561	0.4780	0.5365	0.5654	0.5675	0.4086	0.3112	0.4737	0.4673	0.4573	0.5398	0.5760	0.5639	0.5264	0.4737	0.5066
AMF 5A	0.4646	0.4835	0.5712	0.6141	0.5672	0.3513	0.5194	0.4399	0.3955	0.5257	0.6680	0.5669	0.7103	0.7076	0.5508	0.7310
AMF 1B	0.4116	0.4689	0.4826	0.5097	0.5289	0.4549	0.3623	0.4479	0.4110	0.3992	0.5383	0.1078	0.5316	0.5413	0.5027	0.4771
AMF 2B	0.4080	0.4384	0.4935	0.4771	0.4734	0.3836	0.3657	0.4058	0.3760	0.3970	0.5106	0.4643	0.5447	0.5316	0.5368	0.4996
AMF 3B	0.4409	0.4372	0.4966	0.5206	0.6592	0.3788	0.4689	0.4470	0.3821	0.4132	0.5182	0.5526	0.2515	0.5185	0.4740	0.5109
AMF 4B	0.4518	0.4600	0.5267	0.5191	0.5398	0.3172	0.5091	0.4250	0.4037	0.4116	0.5432	0.5520	0.6171	0.6147	0.2396	0.4923
AMF 5B	0.4868	0.4646	0.5770	0.6421	0.6129	0.4116	0.3778	0.4494	0.4902	0.1681	0.4728	0.7715	0.8982	0.7590	0.8534	0.5496
NOamf 1	0.4189	0.4698	0.5127	0.5097	0.5164	0.6394	0.4874	0.4868	0.4290	0.4533	0.5952	0.4990	0.6296	0.7593	0.7593	0.5955
NOamf 2	0.4296	0.4409	0.5578	0.4771	0.5240	0.4381	0.4129	0.4390	0.4509	0.4454	0.6729	0.5392	0.5971	0.5919	0.6263	0.5526
NOamf 3	0.4202	0.4695	0.5279	0.5206	0.4515	0.3093	0.3903	0.5340	0.4281	0.4670	0.5946	0.6308	0.5392	0.5794	0.5919	0.0813
NOamf 4	0.4007	0.4491	0.5206	0.5191	0.3495	0.4296	0.4701	0.6013	0.4996	0.5036	0.5614	0.5505	0.2737	0.5715	0.2658	0.5167
NOamf 5	0.4424	0.4409	0.4908	0.6421	0.4777	0.3748	0.3736	0.5139	0.4284	0.4457	0.4759	0.5188	0.5791	0.5602	0.5234	0.5450
IN1	0.1382	0.1547	0.1516	0.1452	0.1464	0.2646	0.1387	0.2844	0.0551	0.0110	0.1096	0.1583	0.0119	0.1387	0.0137	0.0161
IN2	0.1522	0.1544	0.1510	0.1443	0.1422	0.2758	0.1344	0.2819	0.0685	0.0210	0.1169	0.1644	0.0085	0.0639	0.2460	0.0149
IN3	0.2311	0.1541	0.1501	0.1474	0.1553	0.2804	0.1286	0.1190	0.0566	0.0116	0.1181	0.1568	0.0091	0.1565	0.1589	0.0113
IN4	0.2232	0.1559	0.1435	0.1358	0.1632	0.2417	0.1438	0.1592	0.2125	0.0110	0.1160	0.1605	0.1699	0.0551	0.1629	0.1641
IN5	0.1311	0.1510	0.1437	0.1410	0.1565	0.2603	0.1399	0.1401	0.0974	0.0091	0.1169	0.1598	0.0134	0.0113	0.1629	0.0104
IN6	0.2368	0.1507	0.1446	0.1410	0.1528	0.2746	0.1265	0.0097	0.0597	0.0125	0.1145	0.1471	0.0210	0.1994	0.1571	0.1483
IN7	0.2335	0.1538	0.1440	0.1401	0.1519	0.1997	0.1233	0.0043	0.0831	0.0116	0.1111	0.1611	0.1370	0.0649	0.1708	0.0247
IN8	0.0665	0.0665	0.0699	0.1401	0.1480	0.1120	0.0119	0.1340	0.0466	0.0110	0.1254	0.0738	0.1455	0.0665	0.0122	0.0091

Appendix

NO3- Concentration																
	27-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	27-Sep	04-Oct	11-Oct
AMF 1A	0.077	0.004	0.010	0.014	0.014	0.012	0.057	0.036	0.014	0.072	0.087	0.035	0.024	0.151	0.212	0.030
AMF 2A	0.033	0.063	0.147	0.080	0.018	0.028	0.054	0.066	0.054	0.093	0.025	0.035	0.014	0.054	0.124	0.033
AMF 3A	0.015	0.022	0.017	0.003	0.016	0.044	0.090	0.047	0.090	0.121	0.056	0.159	0.093	0.056	0.176	0.454
AMF 4A	0.012	0.035	0.055	0.031	0.007	0.059	0.051	0.044	0.095	0.097	0.131	0.161	0.113	0.369	0.067	0.179
AMF 5A	-0.024	0.073	0.002	0.120	0.005	0.027	0.016	0.024	0.027	0.059	0.027	0.032	0.021	0.032	0.007	0.068
AMF 1B	-0.009	0.028	0.002	0.103	0.014	0.007	0.019	0.001	0.088	0.076	0.049	0.180	0.148	0.298	0.247	0.121
AMF 2B	0.023	0.072	0.010	0.007	0.026	0.051	0.044	0.006	0.033	0.012	0.018	0.036	0.028	0.070	0.094	0.079
AMF 3B	0.026	0.030	0.035	0.002	0.056	0.017	0.039	0.009	0.086	0.142	0.224	0.103	0.112	0.239	0.182	0.054
AMF 4B	-0.007	0.035	0.003	0.012	0.063	0.173	0.021	0.066	0.066	0.052	0.183	0.127	0.001	0.227	0.089	0.003
AMF 5B	0.031	0.019	0.049	0.016	0.028	0.003	0.076	0.013	0.076	0.073	0.078	0.009	0.095	0.186	0.210	0.268
NOamf 1	0.050	0.045	0.009	0.025	0.018	0.491	0.016	0.008	0.057	0.105	0.056	0.016	-0.003	0.010	0.009	0.009
NOamf 2	-0.003	0.712	0.034	0.015	0.052	0.036	0.044	0.001	0.027	0.058	0.023	0.026	0.008	0.111	0.019	0.003
NOamf 3	-0.017	0.009	0.007	0.032	0.018	0.009	0.101	0.015	0.101	0.162	0.053	0.105	0.034	0.011	0.237	0.747
NOamf 4	0.011	0.176	0.021	0.014	0.001	0.126	0.011	0.015	0.116	0.096	0.216	0.503	0.274	0.117	0.116	0.229
NOamf 5	-0.018	0.096	0.015	0.005	0.013	0.017	0.005	0.013	0.028	0.036	0.005	0.072	0.003	0.181	0.040	0.005
IN1	4.637	5.453	5.556	5.478	5.280	4.618	2.207	4.166	2.207	5.555	4.450	5.604	6.220	4.331	5.459	5.690
IN2	4.400	5.511	5.502	5.433	5.535	4.699	4.243	4.258	3.077	5.539	4.466	5.706	5.705	5.646	5.677	5.714
IN3	4.693	5.396	5.514	5.501	5.415	4.821	4.012	4.050	1.627	5.626	4.477	5.626	5.745	5.673	5.733	5.751
IN4	4.766	5.481	5.403	5.515	5.344	4.944	3.979	4.311	2.120	5.554	5.084	5.670	5.748	5.652	5.695	5.664
IN5	4.627	5.493	5.465	5.466	5.380	4.966	3.579	4.406	4.600	5.568	4.456	5.654	5.734	5.550	5.688	5.631
IN6	4.911	5.605	5.488	5.450	5.324	4.909	1.376	4.304	2.564	5.591	4.401	5.616	5.744	5.656	5.686	5.653
IN7	4.827	5.431	5.420	5.544	5.429	5.003	3.260	4.295	3.468	5.597	4.442	5.664	5.728	5.669	5.699	5.280
IN8	4.600	5.579	5.438	5.484	5.576	5.107	4.600	4.351	1.702	5.313	4.454	4.803	5.736	5.034	5.714	5.691



## Appendix

PO43- Concentration																
	27-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	27-Sep	04-Oct	11-Oct
AMF 1A	5.367	6.062	8.430	4.575	6.453	2.603	4.002	4.927	3.114	5.475	7.310	5.826	6.402	8.887	5.786	6.198
AMF 2A	4.834	4.727	6.144	6.216	6.395	4.585	3.996	5.576	1.513	5.518	7.527	8.483	8.241	8.310	8.976	6.345
AMF 3A	5.474	5.794	3.911	4.907	5.768	4.099	4.215	6.151	5.545	6.070	7.812	7.888	7.145	7.944	6.876	6.441
AMF 4A	4.375	3.937	2.461	4.400	5.732	3.722	2.961	5.549	5.865	6.031	8.006	5.846	5.411	9.114	6.555	7.490
AMF 5A	4.267	5.030	8.567	7.797	6.217	4.816	5.045	6.253	4.918	5.718	7.914	8.556	7.485	7.204	4.636	5.085
AMF 1B	6.295	6.455	8.601	8.242	8.459	6.906	4.134	7.280	3.326	7.421	9.951	9.891	9.602	8.524	9.418	8.603
AMF 2B	6.345	6.906	9.275	8.496	7.980	5.951	5.428	6.865	4.002	7.250	10.141	7.934	7.934	9.422	9.841	9.021
AMF 3B	7.463	7.043	4.633	6.447	6.407	4.561	5.375	6.311	3.390	6.991	8.329	6.796	5.708	9.389	8.499	7.973
AMF 4B	6.742	6.619	4.354	6.233	6.898	2.941	4.831	6.399	6.549	6.944	6.008	8.663	11.381	9.051	10.232	8.666
AMF 5B	3.880	3.897	7.691	8.565	7.815	6.025	4.348	6.219	3.939	6.829	6.621	9.771	8.372	9.635	9.058	7.120
NOamf 1	4.467	7.121	10.108	10.119	8.633	5.001	7.837	3.303	2.788	6.664	9.407	10.594	9.390	9.700	8.061	7.196
NOamf 2	4.513	7.616	11.042	9.315	8.756	5.329	7.137	6.280	3.901	7.419	9.828	9.611	9.246	11.142	8.866	9.050
NOamf 3	4.708	7.959	13.627	9.720	8.589	6.538	6.950	6.101	2.681	6.151	9.260	7.875	8.790	9.262	7.129	5.811
NOamf 4	4.032	7.753	8.067	8.438	6.935	6.611	5.223	6.173	3.572	7.195	9.221	8.770	8.393	8.424	7.313	7.017
NOamf 5	5.744	7.997	8.158	8.005	7.462	6.876	7.214	6.567	4.585	6.777	9.951	6.459	8.686	9.635	7.903	7.793
IN1	9.601	10.088	10.404	10.314	8.696	8.174	11.158	8.284	11.158	11.158	6.954	9.639	9.957	11.088	12.043	10.299
IN2	8.521	10.446	10.386	10.254	12.370	8.517	12.601	7.036	12.601	10.147	6.967	9.735	9.197	17.526	10.386	11.322
IN3	9.792	10.848	10.531	11.072	9.149	8.437	11.671	8.261	11.671	10.459	6.830	11.661	10.194	12.825	8.898	7.714
IN4	8.991	10.713	14.306	9.733	9.276	9.430	13.456	6.744	13.456	10.994	6.792	11.662	10.813	11.816	9.995	10.078
IN5	7.987	9.988	8.665	9.276	7.790	7.572	6.993	8.435	6.993	10.673	8.174	8.490	8.723	10.507	9.158	9.500
IN6	10.696	10.522	10.409	9.314	9.041	8.938	11.020	8.370	11.020	11.220	6.880	10.343	10.027	10.806	9.966	9.852
IN7	9.646	10.690	8.748	10.119	7.972	8.274	11.173	7.267	11.173	10.341	6.598	10.063	6.780	13.997	12.864	9.976
IN8	8.995	10.559	11.384	9.286	9.051	10.987	11.703	9.054	11.703	9.913	7.798	14.677	10.670	12.444	10.320	9.326

## Appendix

TN Concentrations															
	27-Jun	05-Jul	12-Jul	19-Jul	26-Jul	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	27-Sep	04-Oct	11-Oct
AMF 1A	6.45	11.00	5.59	8.68	13.30	16.76	23.66	24.67	20.22	25.39	27.09	25.33	25.33	26.40	24.07
AMF 2A	5.35	4.01	5.16	8.07	10.50	16.64	20.91	21.72	18.52	23.90	28.71	23.10	23.10	24.24	23.91
AMF 3A	4.86	9.52	4.08	7.09	11.00	18.37	21.81	21.44	19.51	22.21	24.34	23.63	23.63	30.93	23.52
AMF 4A	8.99	9.89	4.30	8.57	11.72	18.17	23.29	23.89	18.12	22.84	25.50	24.12	24.12	22.99	22.76
AMF 5A	12.74	11.65	11.86	9.97	16.90	17.12	22.20	20.67	22.06	25.91	26.12	28.91	28.91	22.97	27.05
AMF 1B	9.84	11.35	10.38	20.05	20.50	22.51	29.41	27.21	23.83	28.71	27.84	29.94	29.94	28.94	30.36
AMF 2B	13.02	19.39	13.03	18.67	18.61	26.09	27.01	28.24	23.81	29.37	31.68	28.01	28.01	30.31	30.24
AMF 3B	16.94	8.67	11.49	14.52	20.42	30.76	29.66	28.68	23.48	25.69	30.85	26.86	26.86	27.76	36.62
AMF 4B	6.84	26.84	13.92	20.45	24.18	24.20	27.31	26.89	22.38	21.16	24.81	33.48	33.48	31.63	32.20
AMF 5B	10.42	19.60	16.35	36.47	36.95	28.35	36.76	38.57	33.08	24.12	35.94	34.31	34.31	35.84	37.70
NOamf 1	44.79	43.77	55.86	29.66	51.33	50.20	57.89	52.41	43.76	47.33	53.64	46.59	46.59	44.56	43.16
NOamf 2	32.26	33.04	55.01	31.16	41.92	48.60	51.37	55.75	43.16	49.74	50.33	51.47	51.47	45.92	41.27
NOamf 3	29.68	49.11	59.70	43.96	61.83	53.42	53.07	50.35	38.79	45.34	46.76	43.29	43.29	46.98	34.12
NOamf 4	35.01	47.55	61.73	63.29	66.50	54.16	54.62	53.79	45.53	45.19	44.48	42.43	42.43	42.51	44.47
NOamf 5	46.40	52.15	51.42	47.91	28.70	50.41	54.71	54.09	50.26	51.48	52.93	50.22	50.22	47.94	45.78
IN1	70.46	70.46	70.46	70.46	64.79	64.06	76.46	65.82	66.11	63.74	55.89	57.79	63.15	63.15	65.94
IN2	75.39	83.95	83.95	83.95	67.43	63.07	73.17	62.33	67.07	62.38	58.75	60.94	77.73	77.73	73.94
IN3	72.03	72.03	72.03	72.03	65.87	43.51	68.69	59.46	68.27	62.05	63.78	63.81	63.92	63.92	68.07
IN4	70.77	70.77	70.77	70.77	61.96	62.08	74.38	64.55	64.40	54.17	60.50	65.34	60.72	60.72	66.09
IN5	60.76	60.76	60.76	60.76	64.58	55.48	72.87	55.17	65.95	57.67	41.86	50.24	45.21	45.21	67.96
IN6	65.32	65.32	65.32	65.32	68.98	46.74	77.25	67.49	65.99	54.59	51.68	51.60	43.74	43.74	65.12
IN7	62.60	59.13	59.13	59.13	61.42	81.28	63.77	66.65	68.09	51.24	56.96	33.99	53.88	53.88	56.64
IN8	66.17	66.17	66.17	66.17	59.49	66.17	80.71	60.13	65.89	55.62	53.84	57.78	53.01	53.01	60.06

## Appendix

TOC Concentration																
	27-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	27-Sep	04-Oct	11-Oct
AMF 1A	19.31	29.28	12.68	10.75	23.75	24.51	16.69	28.97	36.89	68.51	21.64	27.75	10.55	17.02	19.63	13.92
AMF 2A	14.33	12.74	13.49	8.85	34.81	16.76	14.49	18.24	14.20	60.84	16.22	33.06	10.49	10.78	17.38	13.60
AMF 3A	15.99	21.32	14.52	10.73	21.15	20.61	20.94	19.19	14.58	58.16	14.49	14.27	9.55	12.43	43.53	12.62
AMF 4A	21.46	18.19	12.79	7.95	19.95	16.98	15.85	20.13	18.72	56.43	13.19	14.45	9.42	12.94	15.70	12.33
AMF 5A	26.77	27.67	26.37	9.82	52.92	15.77	15.85	21.64	15.64	56.21	15.97	15.99	11.13	11.55	15.26	12.65
AMF 1B	17.41	20.35	16.45	18.02	34.84	19.09	13.81	23.40	16.57	57.83	16.63	24.77	24.16	12.34	16.92	13.77
AMF 2B	16.73	21.98	17.39	13.07	42.89	15.26	21.03	19.93	15.22	57.90	15.37	19.34	9.77	11.82	17.49	14.21
AMF 3B	19.30	14.56	17.41	13.63	29.04	19.30	21.06	19.47	13.95	57.21	12.20	22.91	18.79	12.26	16.52	15.57
AMF 4B	11.92	22.25	18.73	14.87	37.55	17.49	13.53	17.71	12.01	54.45	8.34	15.21	10.98	12.28	17.47	13.89
AMF 5B	15.70	24.56	20.38	36.01	59.57	28.77	20.98	29.66	23.35	59.06	12.29	19.48	20.15	14.14	20.21	17.88
NOamf 1	29.26	19.93	45.55	15.59	31.18	12.94	20.75	30.77	22.11	55.37	17.43	35.92	12.30	16.48	19.39	16.40
NOamf 2	22.40	15.64	27.70	12.42	20.90	21.40	20.57	24.79	23.21	54.99	20.38	18.10	15.37	17.84	21.73	15.80
NOamf 3	17.04	22.62	44.31	19.79	35.51	20.82	29.46	26.27	23.29	59.31	20.41	33.93	13.26	18.54	22.51	15.70
NOamf 4	19.52	24.80	42.82	29.78	52.42	23.10	28.48	25.60	22.86	60.76	16.50	17.30	12.00	14.28	19.13	16.33
NOamf 5	32.02	29.67	29.98	21.80	15.53	45.75	25.82	34.44	30.24	61.88	29.58	24.83	15.30	19.47	25.39	18.34
IN1	101.20	101.20	101.20	101.20	59.24	101.20	93.50	177.27	145.96	145.26	141.84	60.06	75.11	64.95	62.24	115.04
IN2	111.66	111.66	111.66	111.66	70.60	111.66	90.24	181.86	124.49	128.51	154.41	69.49	79.58	137.59	73.31	118.75
IN3	102.03	102.03	102.03	102.03	64.26	102.03	79.07	165.40	119.70	128.71	134.63	80.36	82.50	93.72	63.07	112.43
IN4	105.20	105.20	105.20	105.20	69.63	105.20	63.50	179.22	123.01	123.94	144.50	84.25	88.26	82.78	57.25	120.71
IN5	92.28	92.28	92.28	92.28	66.18	92.28	86.29	160.00	106.04	107.32	143.58	66.60	78.31	73.47	64.40	108.86
IN6	96.94	96.94	96.94	96.94	70.82	96.94	73.82	178.92	115.10	100.67	134.50	75.17	75.19	71.48	66.30	102.80
IN7	85.08	85.08	85.08	85.08	65.22	85.08	63.91	130.51	102.79	104.73	103.91	82.49	60.83	101.09	83.81	26.81
IN8	101.18	101.18	101.18	101.18	66.32	101.18	98.53	203.37	99.42	106.45	126.49	86.57	82.10	79.12	79.21	86.03

## Appendix

TC Concentration																
	27-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	27-Sep	04-Oct	11-Oct
AMF 1A	80.43	137.03	42.02	66.24	103.69	116.95	116.17	135.92	110.29	176.32	113.84	115.83	108.93	117.02	106.83	88.86
AMF 2A	66.67	69.66	76.11	59.24	86.82	99.51	117.80	122.14	101.32	168.47	108.23	131.63	103.06	96.60	100.21	90.30
AMF 3A	75.89	142.69	69.67	67.65	78.27	111.82	127.19	125.38	105.53	169.34	99.31	100.50	96.36	96.83	130.28	82.70
AMF 4A	121.84	130.41	54.66	70.77	88.41	105.68	122.28	130.09	107.51	165.13	103.03	112.66	103.00	103.07	94.87	85.80
AMF 5A	135.09	132.13	131.17	66.73	144.58	105.68	110.96	119.45	111.57	161.60	99.63	105.20	97.70	92.42	91.76	86.72
AMF 1B	88.95	87.16	73.12	114.98	117.38	103.41	103.62	120.86	109.03	162.04	100.83	166.36	106.80	95.89	99.18	93.88
AMF 2B	93.28	136.61	88.21	97.32	104.95	87.55	118.67	108.39	106.41	160.55	100.01	107.17	92.89	97.66	102.03	96.17
AMF 3B	104.95	65.42	77.57	72.62	119.43	110.80	138.83	119.43	105.73	161.34	90.38	124.15	104.10	95.38	101.21	93.91
AMF 4B	53.24	113.13	94.48	110.90	124.83	116.89	113.01	114.63	107.47	158.52	64.51	108.74	123.59	104.55	107.99	100.79
AMF 5B	69.31	115.89	89.91	185.08	167.95	143.49	120.47	132.41	120.31	170.43	71.59	110.05	104.55	101.49	109.19	100.79
NOamf 1	113.61	109.67	139.56	68.97	103.75	105.86	98.58	125.88	106.23	154.68	96.27	116.36	96.79	98.92	102.92	99.68
NOamf 2	87.30	76.31	125.49	59.44	84.58	118.66	107.98	114.87	103.17	153.89	104.39	105.19	105.89	101.55	102.46	83.90
NOamf 3	77.23	114.34	136.47	88.52	119.82	82.39	116.69	121.24	108.57	158.26	102.40	115.45	98.13	104.23	105.51	78.41
NOamf 4	91.36	116.09	139.99	139.21	138.55	107.20	121.96	124.52	115.80	168.17	93.73	100.31	95.63	98.44	100.46	93.14
NOamf 5	106.22	125.43	116.71	99.31	54.36	122.32	110.49	128.07	113.68	170.84	114.40	120.83	105.60	107.30	110.03	99.57
IN1	139.80	139.80	139.80	139.80	108.74	139.80	144.73	198.19	141.51	169.74	193.24	99.90	120.59	108.71	105.22	145.28
IN2	151.96	151.96	151.96	151.96	119.03	151.96	141.15	203.37	152.14	162.65	191.61	110.93	120.80	181.89	136.48	149.68
IN3	140.87	140.87	140.87	140.87	113.57	140.87	120.95	186.74	141.21	164.09	190.88	121.95	123.56	133.15	106.39	143.62
IN4	144.25	144.25	144.25	144.25	124.87	144.25	143.02	203.40	145.89	160.61	193.84	127.26	129.29	122.93	100.57	150.98
IN5	132.14	132.14	132.14	132.14	115.61	132.14	132.61	190.68	135.42	146.10	194.45	105.58	119.54	111.81	109.34	140.45
IN6	137.40	137.40	137.40	137.40	123.49	137.40	132.97	207.78	138.45	138.75	186.44	114.13	117.66	109.37	113.44	135.47
IN7	132.97	132.97	132.97	132.97	116.68	132.97	132.97	158.82	135.00	144.11	161.97	121.65	100.37	142.58	130.36	145.95
IN8	144.57	144.57	144.57	144.57	117.34	144.57	156.49	233.26	144.84	147.24	179.59	125.57	125.27	119.46	132.82	120.50