

## SUPPLEMENTARY CONSENSUS REFERENCE MATERIAL INFORMATION

### Sponge exhalent metabolites influence coral reef picoplankton dynamics

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### Consensus Reference Material (CRM)

The Consensus Reference Material (CRM) for the Shimadzu TOC-L analyzer (used to obtain total organic carbon and total nitrogen concentrations) at Wood's Hole Oceanographic Institution is from the University of Miami's Consensus Reference Material program. The CRM for samples associated with this project is from Batch 19, Lot 03-19. Each day of analysis the CRM is injected three times through out the run. The sheet titled "CRM Values" contains the the values for the CRM that was run during processing of these samples. In the spreadsheet the first run is labeled 'DSRW\_Batch19\_Lot03-19', the subsequent runs for each day are labeled DSRW\_2 and DSRW\_3, sometimes there is a fourth run called DSRW\_end.

### Instrument Calibration Details

The instrument is calibrated daily with stock solutions made from potassium hydrogen phthalate and potassium nitrate. The stock solution is diluted to make a five point standard curve. The coefficient of variability between replicate injections is <2%.

Date run	filename	NPOC( $\mu$ M)	TN( $\mu$ M)
4/9/21	DSRW_Batch19_Lot03-19	42.76	33.13
4/9/21	DSRW_2	43.35	33.04
4/9/21	DSRW_3	43.60	32.89
4/9/21	DSRW_4	45.16	32.70
4/10/21	DSRW_Batch19_Lot03-19	44.12	34.26
4/10/21	DSRW_2	42.92	32.86
4/10/21	DSRW_3	44.10	32.46
4/13/21	DSRW_Batch19_Lot03-19	42.20	31.47
4/13/21	DSRW_2	43.18	33.05
4/13/21	DSRW_3	45.77	32.44
4/14/21	DSRW_Batch19_Lot03-19	43.38	31.89
4/14/21	DSRW_3	44.19	33.20
4/14/21	DSRW_4	43.58	33.73
4/15/21	DSRW_Batch19_Lot03-19	42.77	34.27
4/15/21	DSRW_2	42.59	32.62
4/15/21	DSRW_3	43.90	32.59
4/15/21	DSRW_4	45.60	32.27
4/22/21	DSRW_Batch19_Lot03-19	41.92	31.96
4/22/21	DSRW_2	43.32	33.57
4/22/21	DSRW_3	44.45	31.88
4/22/21	DSRW_4	45.16	34.35
4/26/21	DSRW_Batch19_Lot03-19	46.13	32.58
4/26/21	DSRW_2	44.96	33.12
4/26/21	DSRW_3	46.80	35.51
4/26/21	DSRW_end	45.20	36.44
4/27/21	DSRW_Batch19_Lot03-19	42.87	32.61
4/27/21	DSRW_2	45.74	33.25
4/27/21	DSRW_3	42.29	33.06
4/27/21	DSRW_end	43.96	32.84
4/28/21	DSRW_Batch19_Lot03-19	44.42	34.07
4/28/21	DSRW_2	43.01	31.81
5/8/21	DSRW_Batch19_Lot03-19	42.92	32.56
5/8/21	DSRW_2	44.42	33.35
5/8/21	DSRW_end	43.81	32.91
5/10/21	DSRW_Batch19_Lot03-19	43.10	32.89
5/10/21	DSRW_2	44.33	32.78
5/10/21	DSRW_3	44.32	33.09