



**IEH ANALYTICAL LABORATORIES**  
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<b>CASE FILE NUMBER:</b>	1723688	<b>PAGE 1</b>
<b>REPORT DATE:</b>	06/28/21	
<b>DATE SAMPLED:</b>	05/13/21	<b>DATE RECEIVED:</b> 05/18/21
<b>FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER</b>		
<b>SAMPLES FROM MLIRD</b>		

**CASE NARRATIVE**

Twenty seven water samples were received by the laboratory in good condition and analyzed according to the chain of custody. No difficulties were encountered in the preparation or analysis of these samples. Sample data follows while QA/QC data is contained on the subsequent page.

**SAMPLE DATA**

SAMPLE ID	TOTAL-P (mg/L)	SRP (mg/L)	N03+N02 (mg/L)	ALKALINITY (mgCaCO3/L)	SODIUM (mg/L)	CHLOR_a (ug/L)	PHAEO_a (ug/L)
TS-1	0.007	<0.001	<0.010				
TS-2	0.065	0.006	1.56				
TS-5a	0.011		0.084			0.4	0.9
TS-5b	0.008						
TS-5d	0.011						
TS-6a	0.009		0.134			1.1	0.6
TS-6b	0.010						
TS-6c	0.013						
TS-6d	0.026						
TS-7a	0.010		0.126			2.5	0.4
TS-7b	0.010						
TS-7d	0.013						
TS-11a	0.012		0.191			1.2	0.9
TS-11b	0.012						
TS-11c	0.023						
TS-11d	0.026						
TS-15a	0.013		0.175			0.7	1.2
TS-15b	0.014						
TS-15c	0.018						
TS-15d	0.011						
TS-12	0.016		0.524			0.9	0.9
TS-13	0.039	0.018	2.18	260	22.2		
TS-14	0.181	0.086	1.15	166	19.6		
TS-9	0.358	0.014	14.7	392	58.1		
TS-8	0.035		0.037			4.3	2.2
TS-3	0.016		0.166				
TS-4	0.009		0.087				

SAMPLE ID	CONDUCTIVITY (umhos/cm)	TOTAL-N (mg/L)
TS-6a		0.381
TS-13	589	
TS-14	373	
TS-9	935	



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<b>CASE FILE NUMBER:</b>	1723688	<b>PAGE 2</b>
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**QA/QC DATA**

QC PARAMETER	TOTAL-P (mg/L)	SRP (mg/L)	N03+N02 (mg/L)	ALKALINITY (mgCaCO3/L)	SODIUM (mg/L)	CHLOR_a (ug/L)	PHAEO_a (ug/L)
METHOD	SM18 4500PF	SM18 4500PF	SM184500N03F	SM18 2320B	EPA 200.7	SM1810200H	SM1810200H
DATE ANALYZED	05/24/21	05/21/21	05/21/21	05/21/21	06/28/21	05/26/21	05/26/21
REPORTING LIMIT	0.002	0.001	0.010	1.00	0.500	0.1	0.1
DUPLICATE							
SAMPLE ID	TS-11a	BATCH	TS-4	BATCH	BATCH	BATCH	BATCH
ORIGINAL	0.012	<0.001	0.087	536	161	14	4.6
DUPLICATE	0.012	<0.001	0.086	540	163	17	4.8
RPD	1.75%	NC	1.35%	0.74%	1.58%	13.79%	2.27%
SPIKE SAMPLE							
SAMPLE ID	TS-11a	BATCH	TS-4		BATCH		
ORIGINAL	0.012	<0.001	0.087				
SPIKED SAMPLE	0.063	0.020	0.282				
SPIKE ADDED	0.050	0.020	0.200				
% RECOVERY	101.30%	100.00%	97.42%	NA	OR	NA	NA
QC CHECK							
FOUND	0.098	0.039	0.412	104	9.79		
TRUE	0.094	0.039	0.408	100	10.0		
% RECOVERY	104.26%	100.00%	100.98%	104.00%	97.90%	NA	NA
BLANK							
	<0.002	<0.010	<0.010	NA	<0.500	NA	NA

RPD = RELATIVE PERCENT DIFFERENCE.  
 NA = NOT APPLICABLE OR NOT AVAILABLE.  
 NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.  
 OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.

SUBMITTED BY:

Damien Gadomski  
 Project Manager