



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
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CASE FILE NUMBER:	1759142	PAGE 1
REPORT DATE:	08/11/25	
DATE SAMPLED:	07/23/25	DATE RECEIVED: 07/24/25
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM MLIRD		

CASE NARRATIVE

Thirty one 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 subsequent pages.

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	0.006	0.001	0.017				
TS-2	0.039	0.008	1.63				
TS-3	0.024		1.49				
TS-4a	0.032		0.237				
TS-4d	0.034						
TS-5a	0.022		0.051			7.0	2.8
TS-5b	0.034						
TS-5d	0.027						
TS-6a	0.016	<0.001	0.010	116		3.7	1.2
TS-6b	0.018						
TS-6c	0.016						
TS-6d	0.081	0.037					
TS-7a	0.011		<0.010			4.2	1.0
TS-7b	0.013						
TS-7d	0.012						
TS-8a	0.042		<0.010			15	3.2
TS-8d	0.041						
TS-9	0.050	0.001	0.039	119	13.9		
TS-11a	0.032	<0.001	0.020	119		8.0	3.2
TS-11b	0.032						
TS-11c	0.035						
TS-11d	0.050						
TS-12a	0.036		0.116			10	4.1
TS-12d	0.040						
TS-14	0.160	0.113	1.59	147	16.9		
TS-15a	0.031		0.078			6.9	2.0
TS-15b	0.032						
TS-15c	0.036						
TS-15d	0.062						
TS-18	0.141	0.017	0.015	145	15.2		
TS-17	0.051		<0.010				

SAMPLE ID	CONDUCTIVITY (umhos/cm)	TOTAL-N (mg/L)
TS-1	124	
TS-2		2.17
TS-6a		0.517
TS-9	291	
TS-11a		0.757
TS-14	363	2.12
TS-18	334	1.89



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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)	PHAE0_a (ug/L)
METHOD	SM20 4500PF	SM20 4500PF	SM204500N03F	SM20 2320B	EPA 200.7	SM2010200H	SM2010200H
DATE ANALYZED	07/28/25	07/25/25	07/25/25	07/26/25	07/30/25	07/30/25	07/30/25
REPORTING LIMIT	0.002	0.001	0.010	1.00	0.500	0.1	0.1
DUPLICATE							
SAMPLE ID	TS-17	TS-18	TS-17	TS-14	BATCH	TS-7a	TS-7a
ORIGINAL	0.051	0.017	<0.010	147	<0.500	4.2	1.0
DUPLICATE	0.051	0.016	<0.010	145	<0.500	3.9	1.5
RPD	0.51%	NC	NC	1.06%	NC	7.41%	39.08%
SPIKE SAMPLE							
SAMPLE ID	TS-17	TS-18	TS-17		BATCH		
ORIGINAL	0.051	0.017	<0.010		<0.500		
SPIKED SAMPLE	0.101	0.033	0.206		11.6		
SPIKE ADDED	0.050	0.020	0.200		10.0		
% RECOVERY	99.52%	82.11%	103.18%	NA	116.00%	NA	NA
QC CHECK							
FOUND	0.089	0.040	0.431	96.2	10.6		
TRUE	0.094	0.039	0.428	100	10.0		
% RECOVERY	94.68%	102.56%	100.74%	96.20%	106.00%	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