



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
 3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
 PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	1760322	PAGE 1
REPORT DATE:	09/22/25	
DATE SAMPLED:	09/03/25	DATE RECEIVED: 09/04/25
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 (grab sample)	0.010	<0.001	<0.010				
TS-2 (grab sample)	0.034	0.010	2.09				
TS-3 (grab sample)	0.105		0.280				
TS-4a (.5m below surface)	0.056		0.167				
TS-4d (.5m from bottom)	0.038						
TS-5a (.5 below surface)	0.025		0.060			9.9	2.6
TS-5b (2m below surface)	0.028						
TS-5d (.5m from bottom)	0.029						
TS-6a (.5m below surface)	0.018	<0.001	<0.010	120		5.3	1.4
TS-6b (2m below surface)	0.015						
TS-6c (5m below surface)	0.028						
TS-6d (.5m from bottom)	0.131	0.058					
TS-7a (.5m below surface)	0.025		<0.010			3.5	1.8
TS-7b (2m below surface)	0.021						
TS-7d (.5m from bottom)	0.029						
TS-8a (.5m below surface)	0.040		<0.010			24	5.9
TS-8d (.5m from bottom)	0.040						
TS-9 (grab sample)	0.017	0.001	0.030	125	24.3		
TS-11a (.5 below surface)	0.025	<0.001	<0.010	120		8.0	1.5
TS-11b (2m below surface)	0.024						
TS-11c (5m below surface)	0.034						
TS-11d (.5m from bottom)	0.030						
TS-12a (.5m below surface)	0.029		0.092			14	4.1
TS-12d (.5m from bottom)	0.030						
TS-14 (grab sample)	0.117	0.083	1.68	138	30.8		
TS-15a (.5m below surface)	0.020		0.014			6.9	3.2
TS-15b (2m below surface)	0.018						
TS-15c (5m below surface)	0.029						
TS-15d (.5m from bottom)	0.084						
TS-18 (grab sample)	0.107	0.012	0.612	152	35.0	65	9.0
TS-17 (grab sample)	0.048		<0.010				

SAMPLE ID	CONDUCTIVITY (umhos/cm)	TOTAL-N (mg/L)
TS-1 (grab sample)	145	
TS-2 (grab sample)		2.84
TS-6a (.5m below surface)		0.486
TS-9 (grab sample)	298	
TS-11a (.5 below surface)		0.553
TS-14 (grab sample)	342	1.89
TS-18 (grab sample)	353	1.47



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
 3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
 PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	1760322	PAGE 2
REPORT DATE:	09/22/25	
DATE SAMPLED:	09/03/25	DATE RECEIVED: 09/04/25
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM MLIRD		

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	SM20 4500PF	SM20 4500PF	SM204500N03F	SM20 2320B	EPA 200.7	SM2010200H	SM2010200H
DATE ANALYZED	09/08/25	09/05/25	09/05/25	09/08/25	09/10/25	09/08/25	09/08/25
REPORTING LIMIT	0.002	0.001	0.010	1.00	0.500	0.1	0.1
DUPLICATE							
SAMPLE ID	TS-17 (grab sample)	TS-18 (grab sample)	TS-17 (grab sample)	TS-11a (.5 below surface)	BATCH	TS-18	TS-18
ORIGINAL	0.048	0.012	<0.010	120	9.23	65	9.0
DUPLICATE	0.047	0.012	<0.010	117	9.20	61	10
RPD	2.33%	0.08%	NC	2.36%	0.27%	5.08%	10.11%
SPIKE SAMPLE							
SAMPLE ID	TS-17 (grab sample)	TS-18 (grab sample)	TS-17 (grab sample)		BATCH		
ORIGINAL	0.048	0.012	<0.010		9.23		
SPIKED SAMPLE	0.099	0.032	0.190		19.5		
SPIKE ADDED	0.050	0.020	0.200		10.0		
% RECOVERY	101.17%	96.23%	94.75%	NA	102.56%	NA	NA
QC CHECK							
FOUND	0.094	0.040	0.444	92.7	10.0		
TRUE	0.094	0.039	0.428	100	10.0		
% RECOVERY	100.00%	102.56%	103.84%	92.70%	100.00%	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