



IEH ANALYTICAL LABORATORIES

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

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CASE FILE NUMBER:	1759551	PAGE 1
REPORT DATE:	08/21/25	
DATE SAMPLED:	08/06/25	DATE RECEIVED: 08/07/25
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	0.010	0.001	<0.010				
TS-2	0.063	0.007	1.70				
TS-3	0.032		1.55				
TS-4a	0.042		0.203				
TS-4d	0.035						
TS-5a	0.036		0.088			11	5.4
TS-5b	0.033						
TS-5d	0.037						
TS-6a	0.016	0.002	<0.010	118		4.7	5.2
TS-6b	0.019						
TS-6c	0.016						
TS-6d	0.098	0.038					
TS-7a	0.015		<0.010			5.1	2.4
TS-7b	0.017						
TS-7d	0.016						
TS-8a	0.040		<0.010			13	3.6
TS-8d	0.156						
TS-9	0.043	0.004	0.150	122	15.2		
TS-11a	0.039	0.003	0.010	121		18	5.2
TS-11b	0.029						
TS-11c	0.033						
TS-11d	0.048						
TS-12a	0.036		0.061			21	3.8
TS-12d	0.034						
TS-14	0.122	0.071	2.67	144	17.6		
TS-15a	0.038		0.038			12	4.3
TS-15b	0.033						
TS-15c	0.033						
TS-15d	0.033						
TS-18	0.325	0.002	0.518	162	15.4		
TS-17	0.068		<0.010				

SAMPLE ID	CONDUCTIVITY (umhos/cm)	TOTAL-N (mg/L)
TS-1	161	
TS-2		2.41
TS-6a		0.533
TS-9	316	
TS-11a		0.817
TS-14	374	2.44
TS-18	375	3.13



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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	SM20 4500PF	SM20 4500PF	SM204500N03F	SM20 2320B	EPA 200.7	SM2010200H	SM2010200H
DATE ANALYZED	08/11/25	08/07/25	08/07/25	08/15/25	08/09/25	08/08/25	08/08/25
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-11a	BATCH	TS-15a	TS-15a
ORIGINAL	0.068	0.002	<0.010	121	2.86	12	4.3
DUPLICATE	0.069	0.002	<0.010	120	2.85	11	5.2
RPD	2.05%	4.54%	NC	1.28%	0.56%	4.65%	18.99%
SPIKE SAMPLE							
SAMPLE ID	TS-17	TS-18	TS-17		BATCH		
ORIGINAL	0.068	0.002	<0.010		2.86		
SPIKED SAMPLE	0.120	0.024	0.193		13.5		
SPIKE ADDED	0.050	0.020	0.200		10.0		
% RECOVERY	104.30%	106.81%	96.62%	NA	106.45%	NA	NA
QC CHECK							
FOUND	0.093	0.040	0.447	96.5	10.9		
TRUE	0.094	0.039	0.428	100	10.0		
% RECOVERY	99.33%	102.56%	104.54%	96.50%	109.00%	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