



IEH ANALYTICAL LABORATORIES

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	1726191	PAGE 1
REPORT DATE:	10/04/21	
DATE SAMPLED:	08/18/21	DATE RECEIVED: 08/19/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM MLIRD		

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)
TS - 1	0.007	<0.001	0.010		
TS - 2	0.046	0.010	1.57		
TS - 5a	0.018		0.045		
TS - 5b	0.020				
TS - 5d	0.021				
TS - 6a	0.032		0.022		
TS - 6b	0.024				
TS - 6c	0.023				
TS - 6d	0.023				
TS - 7a	0.020		0.012		
TS - 7b	0.018				
TS - 7d	0.024				
TS - 11a	0.046		0.028		
TS - 11b	0.048				
TS - 11c	0.054				
TS - 11d	0.045				
TS - 15a	0.039		0.026		
TS - 15b	0.039				
TS - 15c	0.045				
TS - 15d	0.039				
TS - 12	0.130		0.374		
TS - 13	0.030	0.012	3.24	261	21.0
TS - 14	0.154	0.075	1.67	162	19.0
TS - 9	0.067	0.044	14.4	410	82.5
TS - 8	0.062		0.014		
TS - 3	0.017		0.309		
TS - 4	0.020		0.255		

SAMPLE ID	CONDUCTIVITY (umhos/cm)	TOTAL-N (mg/L)
TS-6a		0.566
TS-13	614	
TS-14	362	
TS-9	958	



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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)
METHOD	SM18 4500PF	SM18 4500PF	SM184500N03F	SM18 2320B	EPA 200.7
DATE ANALYZED	08/30/21	08/20/21	08/20/21	08/20/21	08/20/21
REPORTING LIMIT	0.002	0.001	0.010	1.00	0.500
DUPLICATE					
SAMPLE ID	TS - 4	BATCH	TS - 4	BATCH	BATCH
ORIGINAL	0.020	<0.001	0.255	22.3	492
DUPLICATE	0.020	<0.001	0.252	22.3	489
RPD	1.49%	NC	0.89%	0.00%	0.59%
SPIKE SAMPLE					
SAMPLE ID	TS - 4	BATCH	TS - 4		BATCH
ORIGINAL	0.020	<0.001	0.255		
SPIKED SAMPLE	0.073	0.020	0.449		
SPIKE ADDED	0.050	0.020	0.200		
% RECOVERY	106.78%	100.00%	97.12%	NA	OR
QC CHECK					
FOUND	0.092	0.040	0.438	98.5	10.2
TRUE	0.094	0.039	0.408	100	10.0
% RECOVERY	97.87%	102.56%	107.35%	98.50%	102.00%
BLANK					
	<0.002	<0.010	<0.010	NA	<0.500

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:

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