



IEH ANALYTICAL LABORATORIES

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

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CASE FILE NUMBER:	1722408	PAGE 1
REPORT DATE:	04/26/21	
DATE SAMPLED:	03/30/21	DATE RECEIVED: 03/31/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM MLIRD		

CASE NARRATIVE

Five 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)	CONDUCTIVITY (umhos/cm)
TS-1	0.008	<0.001	0.035	66.0	2.30	147
TS-2	0.095	0.014	0.245	268	21.7	501
TS-9B	0.049	0.043	15.7	395	57.6	938
TS-13	0.021	0.007	3.10	256	21.7	589
TS-14 (RFC&Hw17)	0.150	0.103	1.65	168	18.2	378



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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)	CONDUCTIVITY (umhos/cm)
METHOD	SM18 4500PF	SM18 4500PF	SM184500N03F	SM18 2320B	EPA 200.7	EPA 120.1
DATE ANALYZED	04/05/21	04/01/21	03/31/21	04/02/21	04/05/21	04/06/21
REPORTING LIMIT	0.002	0.001	0.010	1.00	0.500	0.1
DUPLICATE						
SAMPLE ID	BATCH	TS-1	BATCH	TS-1	BATCH	TS-14 (RFC&Hw17)
ORIGINAL	0.016	<0.001	0.064	66.0	3.26	378
DUPLICATE	0.015	<0.001	0.066	65.8	3.25	378
RPD	3.31%	NC	2.96%	0.30%	0.28%	0.00%
SPIKE SAMPLE						
SAMPLE ID	BATCH	TS-1	BATCH		BATCH	
ORIGINAL	0.016	<0.001	0.064		3.26	
SPIKED SAMPLE	0.068	0.020	0.267		13.2	
SPIKE ADDED	0.050	0.020	0.200		10.0	
% RECOVERY	105.30%	100.00%	101.17%	NA	99.65%	NA
QC CHECK						
FOUND	0.096	0.041	0.400	105	9.18	1362
TRUE	0.094	0.039	0.408	100	10.0	1413
% RECOVERY	102.13%	105.13%	98.04%	105.00%	91.75%	96.39%
BLANK						
	<0.002	<0.010	<0.010	NA	<0.500	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:

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