

Current MDL Studies
NELAP Parameters

TSSD Laboratory

NH3-N

Date	6/10/17
CWA Method	HACH 10205
Instrument	DR3600
Std ID	1/100 WP-262
Matrix	DI
Analyst	MWS
Units	mg/L
Results	
1	0.104
2	0.101
3	0.104
4	0.099
5	0.105
6	0.100
7	0.103
True Value	0.107
Mean	0.102
% Recovery	95.6
Range	0.006
Std Dev	0.002
t	3.143
MDL	0.007
MRL	0.016

Manufacturer's MRL = 0.015

TKN

Date	6/10/17
CWA Method	HACH 10242
Instrument	DR3600
Std ID	1/10 WP-262
Matrix	DI
Analyst	MWS
Units	mg/L
Results	
1	1.220
2	1.150
3	1.050
4	0.973
5	1.010
6	0.981
7	1.180
True Value	1.170
Mean	1.081
% Recovery	92.4
Range	0.247
Std Dev	0.101
t	3.143
MDL	0.318
MRL	0.700

Manufacturer's MRL = 0.0

Total Phosphorus

Date	6/14/17
CWA Method	HACH 10210
Instrument	DR3600
Std ID	1/10 WP-262
Matrix	DI
Analyst	MWS
Units	mg/L
Results	
1	0.713
2	0.718
3	0.712
4	0.716
5	0.713
6	0.709
7	0.711
True Value	0.685
Mean	0.713
% Recovery	104.1
Range	0.009
Std Dev	0.003
t	3.143
MDL	0.010
MRL	0.021

Manufacturer's MRL = 0.05

Ortho-Phosphorus

Date	6/14/17
CWA Method	HACH 10209
Instrument	DR3600
Std ID	1/10 WP-262
Matrix	DI
Analyst	MWS
Units	mg/L
Results	
1	0.165
2	0.163
3	0.162
4	0.169
5	0.162
6	0.160
7	0.166
True Value	0.162
Mean	0.164
% Recovery	101.1
Range	0.009
Std Dev	0.003
t	3.143
MDL	0.010
MRL	0.021

Manufacturer's MRL = 0.05