

WATER RESOURCES LABORATORY

ANALYTICAL REPORT

SEMI-ANNUAL SUMMARY OF RECLAIMED WATER

January 2016

	Composite	Grab*
Date/ Time sample collected:	1/13/16 18:59	1/14/16 9:53
Lab Identification No. :	R16-00439	R16-00451

PARAMETER	METHODS	Units	MDLs	RESULTS
Alkalinity (as CaCO3)	SM2320B	mg/L	1	403
Bicarbonate (HCO3)	Calc.	mg/L	0.1	492
Calcium (Ca)	SM3500-Ca D	mg/L	20	88.5
Total Hardness (CaCO3)	SM2340C	mg/L	20	410
Sulfate (SO4)	EPA 300.0	mg/L	0.1	261
Chloride (Cl)	EPA 300.0	mg/L	0.1	368
Nitrate as Nitrogen (NO3-N)	EPA 300.0	mg/L	0.1	<0.1
Nitrite as Nitrogen (NO2-N)	EPA 300.0	mg/L	0.1	0.97
Fluoride (F)	EPA 300.0	mg/L	0.1	0.66
Bromide (Br)	EPA 300.0	mg/L	0.1	0.62
Ammonia as Nitrogen*	Hach 10205	mg/L	2.0	48.4
Chlorine Residual - Total*	SM 4500-Cl C	mg/L	0.1	3.21
Total Suspended Solids (TSS)	SM2450D	mg/L	1	1.13
Total Dissolved Solids (TDS)*	SM24540C	mg/L	20	1293
pH, Units	SM4500-H+ B	pH unit	0.01	8.07
Color, apparent unfiltered	SM2120B	color units	5	23
Conductivity (EC), umhos/cm	SM2510B	umhos/cm	0.1	2620
Turbidity, NTUs	SM2130B	NTU	0.01	0.25
Phosphorous (P)	SM4500-P B/E	mg/L	0.10	0.14
Boron (B)	EPA 6010	mg/L	0.02	0.589
Sodium (Na)	EPA 200.7	mg/L	0.5	281
Potassium (K)	EPA 200.7	mg/L	0.5	33.8
Magnesium (Mg)	EPA 200.7	mg/L	0.1	57.6
Sodium Absorption Ratio (SAR)	Calc.		--	5.71
Adjusted SAR (SARa)	Calc.		--	14.0
Arsenic (As)	EPA 200.8	ug/L	1.0	<1.0
Cadmium (Cd)	EPA 200.8	ug/L	1.0	<1.0
Chromium (Cr)	EPA 200.8	ug/L	1.0	<1.0
Copper (Cu)	EPA 200.8	ug/L	1.0	12.7
Iron (Fe)	EPA 200.7	ug/L	100	122
Lead (Pb)	EPA 200.8	ug/L	1.0	<1.0
Mercury (Hg)	EPA 245.1 - SO	ug/L	0.2	<0.20
Molybdenum (Mo)	EPA 200.8	ug/L	1.0	13.8
Nickel (Ni)	EPA 200.8	ug/L	1.0	5.21
Selenium (Se)				--
Silver (Ag)	EPA 200.8	ug/L	1.0	<1.0
Zinc (Zn)	EPA 200.8	ug/L	5.0	17.2

All units are in mg/L unless other wise indicated.

MDLs: Method of Detection Limits

* Grab sample

Gaylen Fair for LC
 Louis C Chiourn
 Chemist/ Laboratory Supervisor

3/1/2016
 Date