

Manitoba Water Services Board - CRWC

ATTN: GRANT MCGORMAN Cartier Regional Water Co-op

Box 217

St. Eustache MB ROH 1HO

Date Received: 24-JUL-18

Report Date: 03-AUG-18 13:21 (MT)

Version: FINAL

Client Phone: 204-353-4055

# Certificate of Analysis

Lab Work Order #: L2134722

Project P.O. #: NOT SUBMITTED

Job Reference: CARTIER REGIONAL - PWS 36.00

C of C Numbers:

Legal Site Desc: 28128

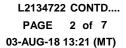
Hua Wo

Chemistry Laboratory Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 1329 Niakwa Road East, Unit 12, Winnipeg, MB R2J 3T4 Canada | Phone: +1 204 255 9720 | Fax: +1 204 255 9721 ALS CANADA LTD Part of the ALS Group An ALS Limited Company







#### ANALYTICAL REPORT

**Physical Tests (WATER)** 

			ALS ID	L21347	22-1	L21347	22-2	
		24-JUL	18	24-JUL-18				
		Sample		09:0	0	09:0	0	
			nple ID	CARTI		-		
Analyte	Unit	Guide Guide Limit #1 Limit #2		REGION. RAV		REGIONAL 2 - TREATED		
Colour, True	CU	15	-	25.5		10.1		
Conductivity	umhos/cm	ı -	-	895		213		
Hardness (as CaCO3)	mg/L	-	-	405	HTC	51.2	HTC	
Langelier Index (4 C)	No Unit	-	-	1.2		-1.0		
Langelier Index (60 C)	No Unit	-	-	1.9		-0.26		
pH	pH units	7.00-10.5	-	8.66		7.78		
Total Dissolved Solids	mg/L	500	-	647		127		
Transmittance, UV (254 nm)	%T/cm	-	-	51.5		94.0		
Turbidity	NTU	-	-	4.86		0.10		

Federal Guidelines for Canadian Drinking Water Quality (FEB, 2017)

#1: GCDWQ - Aesthetic Objective/Other Value

#2: GCDWQ - Maximum Acceptable Concentrations (Pre-2003)

#### **Anions and Nutrients (WATER)**

			ALS ID	L2134722-1	L2134722-2
		Samp	led Date	24-JUL-18	24-JUL-18
			led Time	09:00	09:00
			ample ID	CARTIER	
Analyte	Unit	Guide Limit #1	Guide Limit #2	REGIONAL 1 - RAW	REGIONAL 2 - TREATED
Alkalinity, Total (as CaCO3)	mg/L	-	-	249	62.0
Ammonia, Total (as N)	mg/L	-	-	0.091	0.040
Bicarbonate (HCO3)	mg/L	-	-	269	75.6
Bromide (Br)	mg/L	-	-	0.037	<0.010
Carbonate (CO3)	mg/L	-	-	16.8	<0.60
Chloride (Cl)	mg/L	250	-	20.9	7.53
Fluoride (F)	mg/L	-	1.5	0.182	0.517
Hydroxide (OH)	mg/L	-	-	<0.34	<0.34
Nitrate (as N)	mg/L	-	10	0.081	0.0636
Nitrite (as N)	mg/L	-	1	0.0099	<0.0010
Sulfate (SO4)	mg/L	500	-	249	34.5

Federal Guidelines for Canadian Drinking Water Quality (FEB, 2017)

#1: GCDWQ - Aesthetic Objective/Other Value

#2: GCDWQ - Maximum Acceptable Concentrations (Pre-2003)

#### Organic / Inorganic Carbon (WATER)

organio / morganio Garbon (WATEN)										
		ALS ID	L2134722-1	L2134722-2						
		Sampled Date	24-JUL-18	24-JUL-18						
		09:00								
		Sample ID	CARTIER	CARTIER						
Analyte	Unit	Guide Guide Limit #1 Limit #2	REGIONAL 1 - RAW	REGIONAL 2 - TREATED						
Dissolved Organic Carbon	mg/L		10.3	1.20						
Total Organic Carbon	mg/L		10.3	1.19						

Federal Guidelines for Canadian Drinking Water Quality (FEB, 2017)

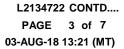
#1: GCDWQ - Aesthetic Objective/Other Value

#2: GCDWQ - Maximum Acceptable Concentrations (Pre-2003)

Detection Limit for result exceeds Guide Limit. Assessment against Guide Limit cannot be made.

Analytical result for this parameter exceeds Guide Limit listed on this report.

<sup>\*</sup> Please refer to the Reference Information section for an explanation of any qualifiers noted.





### **ANALYTICAL REPORT**

Total Metals (WATER)

			ALS ID	L2134722-1	L2134722-2
			led Date	24-JUL-18	24-JUL-18
			ed Time	09:00	09:00
		Guide	mple ID Guide	CARTIER REGIONAL 1 -	CARTIER REGIONAL 2
Analyte	Unit	Limit #1		RAW	TREATED
Aluminum (Al)-Total	mg/L	0.1	-	0.0798	0.0076
Antimony (Sb)-Total	mg/L	-	0.006	0.00043	<0.00010
Arsenic (As)-Total	mg/L	-	0.01	0.00934	0.00089
Barium (Ba)-Total	mg/L	-	1	0.0614	0.00821
Beryllium (Be)-Total	mg/L	-	-	<0.00010	<0.00010
Bismuth (Bi)-Total	mg/L	-	-	<0.000050	<0.000050
Boron (B)-Total	mg/L	-	-	0.109	0.103
Cadmium (Cd)-Total	mg/L	-	0.005	0.0000109	<0.000050
Calcium (Ca)-Total	mg/L	-	-	78.8	10.1
Cesium (Cs)-Total	mg/L	-	-	0.000020	<0.000010
Chromium (Cr)-Total	mg/L	-	0.05	0.00043	0.00012
Cobalt (Co)-Total	mg/L	-	-	0.00041	<0.00010
Copper (Cu)-Total	mg/L	1	-	0.00313	0.0329
Iron (Fe)-Total	mg/L	0.3	-	0.141	<0.010
Lead (Pb)-Total	mg/L	-	0.01	0.000264	0.000137
Lithium (Li)-Total	mg/L	-	-	0.0648	0.0160
Magnesium (Mg)-Total	mg/L	-	-	50.6	6.33
Manganese (Mn)-Total	mg/L	0.05	-	0.203	0.0168
Molybdenum (Mo)-Total	mg/L	-	-	0.00429	0.000528
Nickel (Ni)-Total	mg/L	-	-	0.00373	<0.00050
Phosphorus (P)-Total	mg/L	-	-	0.199	0.420
Potassium (K)-Total	mg/L	-	-	13.7	3.12
Rubidium (Rb)-Total	mg/L	-	-	0.00300	0.00068
Selenium (Se)-Total	mg/L	-	0.05	0.000654	0.000104
Silicon (Si)-Total	mg/L	-	-	7.53	2.23
Silver (Ag)-Total	mg/L	-	-	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	200	-	58.6	27.4
Strontium (Sr)-Total	mg/L	-	-	0.357	0.0464
Sulfur (S)-Total	mg/L	-	-	94.6	12.9
Tellurium (Te)-Total	mg/L	-	-	<0.00020	<0.00020
Thallium (TI)-Total	mg/L	-	-	0.000018	<0.000010
Thorium (Th)-Total	mg/L	-	-	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	=	-	<0.00010	<0.00010

Federal Guidelines for Canadian Drinking Water Quality (FEB, 2017)

#1: GCDWQ - Aesthetic Objective/Other Value #2: GCDWQ - Maximum Acceptable Concentrations (Pre-2003)

Detection Limit for result exceeds Guide Limit. Assessment against Guide Limit cannot be made.

Analytical result for this parameter exceeds Guide Limit listed on this report.

<sup>\*</sup> Please refer to the Reference Information section for an explanation of any qualifiers noted.



### **ANALYTICAL REPORT**

L2134722 CONTD....
PAGE 4 of 7
03-AUG-18 13:21 (MT)

**Total Metals (WATER)** 

Total motalo (TTATEIN)					
			ALS ID	L2134722-1	L2134722-2
		Sampl	ed Date	24-JUL-18	24-JUL-18
		Sample	ed Time	09:00	09:00
		Sa	mple ID	CARTIER	CARTIER
Analyte	Unit	Guide Limit #1 I	Guide _imit #2	REGIONAL 1 - RAW	REGIONAL 2 - TREATED
Titanium (Ti)-Total	mg/L	-	-	0.00239	<0.00030
Tungsten (W)-Total	mg/L	-	-	<0.00010	<0.00010
Uranium (U)-Total	mg/L	-	0.02	0.00453	0.000388
Vanadium (V)-Total	mg/L	-	-	0.00460	0.00066
Zinc (Zn)-Total	mg/L	5	-	<0.0030	0.0044
Zirconium (Zr)-Total	mg/L	-	-	0.000202	<0.000060

Federal Guidelines for Canadian Drinking Water Quality (FEB, 2017)

#1: GCDWQ - Aesthetic Objective/Other Value

#2: GCDWQ - Maximum Acceptable Concentrations (Pre-2003)

Detection Limit for result exceeds Guide Limit. Assessment against Guide Limit cannot be made.

Analytical result for this parameter exceeds Guide Limit listed on this report.

<sup>\*</sup> Please refer to the Reference Information section for an explanation of any qualifiers noted.

#### L2134722 CONTD.... PAGE 5 of 7 03-AUG-18 13:21 (MT)

#### Reference Information

**Qualifiers for Individual Parameters Listed:** 

Qualifier Description

HTC Hardness was calculated from Total Ca and/or Mg concentrations and may be biased high (dissolved Ca/Mg results unavailable).

Methods Listed (if applicable):

**ALS Test Code** Matrix Test Description Method Reference\*\*

ALK-CO3CO3-CALC-WP Water Alkalinity, Carbonate CALCULATION

The Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of

water. The fraction of alkalinity contributed by carbonate is calculated and reported as mg CO3 2-/L.

ALK-HCO3HCO3-CALC-

Water

Alkalinity, Bicarbonate

CALCULATION

The Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of water. The fraction of alkalinity contributed by bicarbonate is calculated and reported as mg HCO3-/L

ALK-OHOH-CALC-WP Water Alkalinity, Hydroxide CALCULATION

The Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of

water. The fraction of alkalinity contributed by hydroxide is calculated and reported as mg OH-/L.

ALK-TITR-WP Water Alkalinity, Total (as CaCO3) **APHA 2320B** 

The Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of water. Total alkalinity is determined by titration with a strong standard mineral acid to the successive HCO3- and H2CO3 endpoints indicated electrometrically.

BR-L-IC-N-WP Water Bromide in Water by IC (Low Level) EPA 300.1 (mod)-LR

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

C-DOC-HTC-WP Water Dissolved Organic Carbon by **APHA 5310 B-WP** 

Combustion

Filtered (0.45 um) sample is acidified and purged to remove inorganic carbon, then injected into a heated reaction chamber where organic carbon

is oxidized to CO2 which is then transported in the carrier gas stream and measured via a non-dispersive infrared analyzer.

C-TOC-HTC-WP Total Organic Carbon by Combustion APHA 5310 B-WP

Sample is acidified and purged to remove inorganic carbon, then injected into a heated reaction chamber where organic carbon is oxidized to CO2 which is then transported in the carrier gas stream and measured via a non-dispersive infrared analyzer.

CL-L-IC-N-WP Chloride in Water by IC (Low Level)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

COLOUR-TRUE-WP Water Colour, True **APHA 2120C** 

Conductivity

True Colour is measured spectrophotometrically by comparison to platinum-cobalt standards using the single wavelength method (450 - 465 nm) after filtration of sample through a 0.45 um filter. Colour measurements can be highly pH dependent, and apply to the pH of the sample as

received (at time of testing), without pH adjustment. Concurrent measurement of sample pH is recommended.

Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially

**APHA 2510B** 

fixed and chemically inert electrodes.

Water

**ETL-LANGELIER-4-WP** Water Langelier Index 4C Calculated **ETL-LANGELIER-60-WP** Water Langelier Index 60C Calculated

F-IC-N-WP Water Fluoride in Water by IC EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

HARDNESS-CALC-WP Hardness Calculated **APHA 2340B** 

Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.

IONBALANCE-CALC-WP **APHA 1030E** Ion Balance Calculation

Cation Sum, Anion Sum, and Ion Balance (as % difference) are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Because all aqueous solutions are electrically neutral, the calculated ion balance (% difference of cations minus anions) should be near-zero.

#### L2134722 CONTD.... PAGE 6 of 7 03-AUG-18 13:21 (MT)

### Reference Information

Methods Listed (if applicable):

**ALS Test Code** Test Description Method Reference\* Matrix

Cation and Anion Sums are the total meg/L concentration of major cations and anions. Dissolved species are used where available. Minor ions are included where data is present. Ion Balance (as % difference) cannot be calculated accurately for waters with very low electrical conductivity (EC), and is reported as "Low EC" where EC < 100 uS/cm (umhos/cm). Ion Balance is calculated as:

Ion Balance (%) = [Cation Sum-Anion Sum] / [Cation Sum+Anion Sum]

MET-T-CCMS-WP Water

Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

NH3-COL-WP Water Ammonia by colour APHA 4500 NH3 F

Ammonia in water samples forms indophenol when reacted with hypochlorite and phenol. The intensity is amplified by the addition of sodium

nitroprusside and measured colourmetrically.

NO2-L-IC-N-WP Water Nitrite in Water by IC (Low Level) EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

NO3-L-IC-N-WP Nitrate in Water by IC (Low Level)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

PH-WP Water APHA 4500H

The pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode

and a reference electrode.

SO4-IC-N-WP Water Sulfate in Water by IC EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

TDS-WP Water Total Dissolved Solids (TDS) APHA 2540 SOLIDS C.E.

A well-mixed sample is filtered through a glass fiber filter paper. The filtrate is then evaportaed to dryness in a pre-weighed vial and dried at 180 -

2C. The increase in vial weight represents the total dissolved solids.

TURBIDITY-WP Water Turbidity APHA 2130B (modified)

Turbidity in aqueous matrices is determined by the nephelometric method.

**UV-%TRANS-WP** Water UV Transmittance (Calculated) **APHA 5910B** 

Test method is adapted from APHA Method 5910B. A sample is filtered through a 0.45 um polyethersulfone (PES) filter and its UV Absorbance is measured in a quartz cell at 254 nm. UV Transmittance is calculated from the UV Absorbance result and reported as UV Transmittance per cm.

The analysis is carried out without pH adjustment.

\*\*ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody Numbers:

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code Laboratory Location

WP ALS ENVIRONMENTAL - WINNIPEG, MANITOBA, CANADA

# L2134722 CONTD.... PAGE 7 of 7 03-AUG-18 13:21 (MT)

### **Reference Information**

#### **GLOSSARY OF REPORT TERMS**

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory. UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guideline limits are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.



# Manitoba Conservation Water Stewardship Office of Drinking Water

1007 Century Street, Winnipeg, Manitoba, Canada R3H 0W4

## Chain of Custody (COC) Manitoba Drinking Water Systems

ONLY FOR: Regulatory General Chemistry & VOC Samples

Report to Operator (email pdf):			Owner billing (Email):				Regular Service (default):		1161-	Regular Service		
Contact:	Grant McGorman,	Lead Operator - Cl	RWC	Contact:	MWSB Accounts	s Payable		ricgulai 3	SI VICE (GEIAG		(is 5-7 Days):	
Address:	Box 217 St. Eustad	che MB R0H 1H0		Address:	Unit #1A - 2010 Cu	ırrie Blvd. Brando	n MB R7B 4E7		41	<u>ا</u> 1 ا	Day, rush / priority	
Phone:	204-353-4055			Phone:	204-728-6075			Unless otherwise 1 2 Day, requested:			Day, rush / priority	
Email:	gmcgorman@crwc.ca; cartierwtp@crwc.ca; dvaillant@crv			Email:	mwsb3@gov.mb	o.ca			uootoa.	٦ · 3 ا	Day, rush / priority	
Operator contact update (if different then above):			Owner cor	ntact update (if d	ifferent then a	bove):	Email pdf copy to:					
Contact:	t:			Contact:				DWO:	DWO: Kale Black			
Address:				Address:				DWO Addre:	s 25-309 Tu	pper St.N. Po	ortage La Prairie, MB.	
Phone:				Phone:			-	DWO Phone	204-795-6	908		
Email:		· · · <u>-</u>	<u></u>	Email:		-		DWO Email:	kale.black	@gov.mb.ca; joern.muenster@gov.r		
Account:		ODW Report type:	EMS (Lab-MWS)	Client / Pro	oject <sup>-</sup> Information	:				Ana	ilysis Request	
Agency Code:	382	Project:	DWQ-C	Operation I	Name:	Cartier Region	nal PWS			3	S 8	
			rder # / Job #	Operation (	Code (com code):	36.00			·	201	Containers	
Lab: (lab use only)			Operation Id: 28128							) ju		
				Sampled by:						Š	6	
Lab Sample	Sample Number	Station Number	_			Date	Time	Sample	Sample		j j	
# (lab use onlý)	(YYMMH9999)	(MB99XXD999) / (MB99XXY999)	Samp	le Identific	ation	dd-mmm-yyyy	hh:mm	Matrix S	ample Type	MB-CH-PWS-V2013	Number	
	1807KB0005	MB05MJD041	Cartier Regional	- Raw		24/47/18	9:00 9m	6	1	Х	46	
	1807KB0006	MB05MJD042	Cartier Regional	- Treated		24/07/18	9.00gm	10	1	Х	4 5	
Failure to co	mplete all portion	ns of this form m	ay delay analysis	i.	<del></del>	, Sa	Sample Type:			ype:		
Please fill in	this form <u>LEGIBI</u>	<u>_Y</u> .				6-Raw Water, 10-Treated Water			1-Grab Sample			
By the use of	this form the user	acknowledges and	d agrees with the	Ferms and (	Conditions as sp	ecified by the	Laboratory.	-	,			
For ALL other	testing, please us	e Laboratory spec	ific forms.							į		
DO NOT C	OPX or RE-U	ISE this form.	Sample Nun	ibers ar	e unique to						WO.	
Relinguished	77 /	Date & Time/		Received By:	1	Date & Time:	07/24/18	Sample Conditi	mple Condition (lab use only)			
By Jason	Kan the	July 24/18 July 24/18 9:000m		(lab use only)	10/r	(lab use only)	1:15	229mp	erature		ived in Good Condition? Y / N no provide details)	
Relinquished By:		Date & Time:		Received By: (lab use only)	' '	Date & Time: (lab use only)						
L	<u> </u>		<u> </u>	<u> </u>		1	<u> </u>	<u> </u>		l		

Operator mandatory

Operator optional

Operator to fill, if information above has changed

Opr to fill, Lab specific

pre-filled by DWO

Note: Cyanide and Mercury are <u>not</u> required and have been removed from the list. Please use the Rev. July 29, 2013 Water System Chemistry List.



Opr to fill, Lab specific

pre-filled by DWO

# Manitoba Conservation Water Stewardship Office of Drinking Water

1007 Century Street, Winnipeg, Manitoba, Canada R3H 0W4

#### Chain of Custody (COC) Manitoba Drinking Water Systems

ONLY FOR: Regulatory General Chemistry & VOC Samples

Report to Ope	operator (email por):			Owner billing (Email):				Regular Service (default):		<sub>16)</sub> .   R	egular Service		
Contact:	Grant McGorman,	rant McGorman, Lead Operator - CRWC Con			MWSB Accounts Payable			rvegular a	CIVICE (GCIAG	· ·	(is 5-7 Days):		
Address:	Box 217 St. Eustac	he MB R0H 1H0		Address:	ddress: Unit #1A - 2010 Currie Blvd. Brandon MB R7B 4E7				1 Unless otherwise				
Phone:	204-353-4055			Phone: 204-728-6075				requested: 2 Day, ru			ay, rush / priority		
Email:	gmcqorman@crwc.ca; cartierwtp@crwc.ca; dvaillant@crv				Email: <u>mwsb3@gov.mb.ca</u>				3 Day, rush / priority				
Operator contact update (if different then above):				Owner cor	itact update (if d	ifferent then al	bove):	Email pdf o	opy to:				
Contact:			Contact:			•	DWO: Kale Black						
Address:				Address:			-	DWO Addre	ss: 25-309 Tu	oper St.N. Por	tage La Prairie, MB.		
Phone:				Phone:				DWO Phon	e: 204-795-6	908			
Email:	<u> </u>			Email:	11.73			DWO Emai	mail: kale.black@gov.mb.ca; joern.muenster@c				
Account:		ODW Report type:	EMS (Lab-MWS)	Client / Pro	ject Information	:				Analysis Request			
Agency Code:	382	Project:	DWQ-C	Operation Name:			nal PWS	_		3	ers.		
			der#/Job#						-	201	Containers		
Lab:		(lab us	e only)	Operation I	d:	28128				>-S	Į Į		
				Sampled by:						ž.	of C		
Lab Sample	Sample Number	Station Number				Date	Time	Sample		芸			
#		(MB99XXD999)/	Samp	le identifica	ation	dd-mmm-yyyy	hh:mm	Matrix Sa	Sample Type	MB-CH-PWS-V2013	Number		
(lab use only)	(YYMM119999)	(MB99XXY999)	Cartina Basica at	D		- //	0						
	1807KB0005	MB05MJD041	Cartier Regional			21/07/18		6	1	X	46,		
	1807KB0006		Cartier Regional			24/07/18	9.00gm	10	1	X	4 58		
Failure to cor	mplete all portion	is of this form ma	ay delay analysis	•		Sample Matrix: Sample Type:					•		
Please fill in t	this form <u>LEGIBL</u>	<u>.Y</u> .			6-Raw Water, 10-Treated				ted Water 1-Grab Sample				
By the use of t	this form the user a	acknowledges and	l agrees with the 1	erms and (	Conditions as sp	ecified by the	Laboratory.						
For ALL other	testing, please use	e Laboratory spec	fic forms.							'			
DO NOT C	OPX or RE-U	SE this form.	Sample Num	ibers ar	<u>e unique to f</u>	the Office	of Drinkin	g Water	and provi	ded by D	WO.		
Relinguished		Date & Time/		Received By:	12	Date & Time:	07/24/18	Sample Condit	ion (lab use only)				
By Jason	Kom the	July 19418 July 19418 9:000m		(lab use only)	10/r	(lab use only)	1:15	229	perature		ed in Good Condition? Y / N provide details)		
Relinquished / By:		Date & Time:		Received By: (lab use only)	' '	Date & Time: (lab use only)							
		<u> </u>	·	<u>L</u>									

Operator to fill, if information above has changed

Note: Cyanide and Mercury are <u>not</u> required and have been removed from the list. Please use the Rev. July 29, 2013 Water System Chemistry List.

Operator optional

Operator mandatory