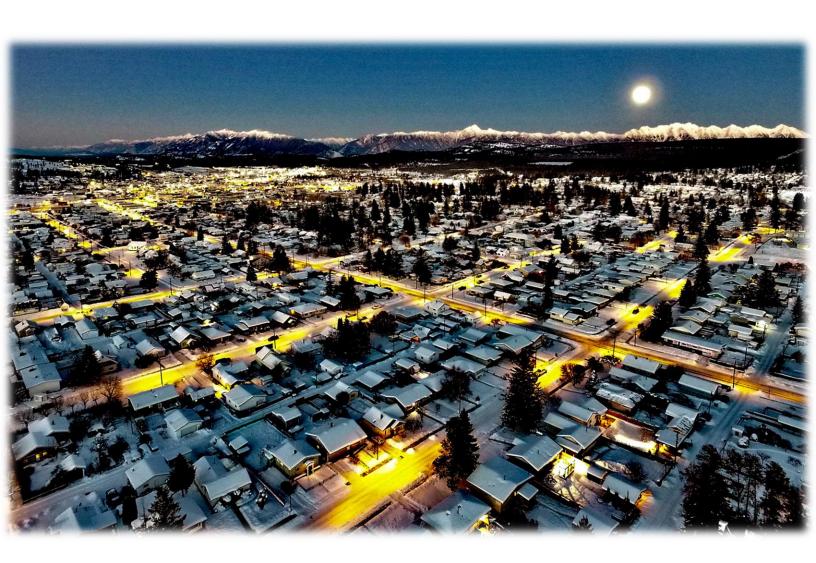


City of Cranbrook 2023 Annual Water Report



INTRODUCTION

This report is to provide citizens and visitors of the City of Cranbrook with information regarding the drinking water system and meets the requirements of the *Drinking Water Protection Regulation*, Section 11. The report will summarize the water quality, and future projects for the drinking water system.

WATER QUALITY (see appendix for full report)

Water quality is monitored 24 hours a day using the City's Supervisory Control and Data Acquisition (SCADA) system. Samples are also taken weekly throughout the water distribution system and analyzed by M.B. Laboratories Ltd.

During the summer months watershed catchments that lead to the Phillips reservoir are monitored using the SCADA and collecting samples monthly.

OPERATIONS

14 certified operators operate the water and wastewater systems for the city. In 2023 a total of 74 repairs were completed on the drinking water system.

FUTURE PROJECTS

The City is planning on several projects over the next several years that will provide more resiliency to the City's drinking water system. In 2024 the City was awarded a grant to assist with the disinfection of the drinking water and staff are in the initial planning stages of constructing a new ultraviolet (UV) disinfection facility. The new facility is planned to be operational in 2027.

APPENDICE

2023 water quality report for the Phillips Reservoir.

Water System Data Report Filter Summary

Organization:City of CranbrookUser Name:Jason PerraultWater System:City of Cranbrook

Report Name: Annual Water Quality Report - 2023

As per Section 11 of the BC Water Protection Act/Regulation as mandated by Report Description:

As per Section 11 of the BC Water Protection Act/Regulation as mandated by the IHA Drinking Water Officer as part of the Conditions on Permit for the City

of Cranbrook.

Report Template Name: Annual Water Quality Report

Collection Date Range: 01/01/2023 - 12/31/2023 (mm/dd/yyyy)

Reading Types: Analyte Report by Sampling Point

Reading Types: Lab Data Transfer

Calculate Exceedances: Apply Measurement Criteria

Show Records for Exceedances Only: Yes
Suppress Lists with no Records: No

Treatment of ND Results with Detection Limits in Non-Detect (results are ignored in average statistics)

Reports Statistics:

Treatment of OR Results with Detection Limits in Over-Range (results are ignored in average statistics)

Reports Statistics:

Grouped By: Sampling Point, List by: Analyte + Reading Type

Sort Records By: Collection Date



Facility:

Phillips Reservoir; Phillips Reservoir - Plant Phillips Reservoir RAW PRIORITY (16-2-SR, 30666) **Sampling Point:**

1 0		,	, ,
Aeromonas spp.(Lab Data Tr	ansfer)	Criteria	Lab/User Name
# samples:	49	min:	0 CFU/100ml
# detects:	49	max:	800 CFU/100ml
# non-detects:	0	Geometric Mean:	35.8 CFU/100ml (based on 49 numerical results)
# of Exceedences:	0	med:	28.0 CFU/100ml (based on 49 numerical results)
и от джоосионосо.			20.0 Of Officerin (Succession to Hamerican recalls)
Alkalinity (total, as CaCO3)(L	ab Data Transfer)	Criteria	Lab/User Name
7a	ab Bata Transition,	Gillona	Las/0001 Namo
# samples:	53	min:	105 mg/L
# detects:	53	max:	160 mg/L
# non-detects:	0	avg:	135 mg/L (based on 53 numerical results)
# of Exceedences:	0	med:	140 mg/L (based on 53 numerical results)
Aluminum (total)(Lab Data Tı	ansfer)	Criteria	Lab/User Name
# samples:	3	min:	0.110 mg/L
# detects:	3	max:	0.188 mg/L
# non-detects:	0	avg:	0.150 mg/L (based on 3 numerical results)
# of Exceedences:	0	med:	0.152 mg/L (based on 3 numerical results)
0			
Ammonia (total, as N)(Lab Da	ata Transfer)	Criteria	Lab/User Name
(00 000, 00 00, 000 0	,		200.000.100.00
#	50		4.50
# samples:	53	min:	1.50 ug/L
# detects:	46	max:	205 ug/L
# non-detects:	7	avg:	49.21 ug/L (based on 46 numerical results)
# of Exceedences:	0	med:	18.60 ug/L (based on 46 numerical results)
Antimony (total)(Lab Data Tra	ansfer)	Criteria	Lab/User Name
# samples:	3	min:	n/a
# detects:	0	max:	n/a
# non-detects:	3	avg:	n/a (based on 0 numerical results)
# of Exceedences:	0	med:	n/a (based on 0 numerical results)



Arsenic (total)(Lab Data Ti	ransfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
Barium (total)(Lab Data Tr	ansfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 3 0 0	min: max: avg: med:	0.026 mg/L 0.034 mg/L 0.031 mg/L (based on 3 numerical results) 0.032 mg/L (based on 3 numerical results)
Beryllium (total)(Lab Data	Transfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
Boron (total)(Lab Data Tra	nsfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 3 0 0	min: max: avg: med:	0.397 mg/L 0.578 mg/L 0.506 mg/L (based on 3 numerical results) 0.542 mg/L (based on 3 numerical results)
Cadmium (total)(Lab Data	Transfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
Calcium (total)(Lab Data T	ransfer)	Criteria	Lab/User Name



# samples:	3	min:	19.5 mg/L	
# detects:	3	max:	41.3 mg/L	
# non-detects:	0	avg:	29.8 mg/L (based on	3 numerical results)
# of Exceedences:	0	med:	28.6 mg/L (based on	3 numerical results)
			,	,
Chromium (total)(Lab Data 1	rancfor)	Criteria		Lab/User Name
Cilionium (total)(Lab Data 1	ialisiei)	Cillella		Lab/Oser Name
# samples:	3	min:	n/a	
# detects:	0	max:	n/a	
# non-detects:	3	avg:	n/a (based on 0 num	erical results)
# of Exceedences:	0	med:	n/a (based on 0 num	
# Of Exceedefices.	U	illeu.	ilia (based oil o lidili	encarresuits)
	•	A 1/ 1		
Cobalt (total)(Lab Data Trans	sfer)	Criteria		Lab/User Name
# samples:	3	min:	n/a	
# detects:	0	max:	n/a	
			,	- wi 1 \
# non-detects:	3	avg:	n/a (based on 0 num	
# of Exceedences:	0	med:	n/a (based on 0 num	erical results)
Colour(Lab Data Transfer)		Criteria		Lab/User Name
* 01/31/2023	315 TCU		40	
	315 TCU	Criteria <=15	АО	Lab/User Name MB Labs
* 01/31/2023 09:25		<=15		
* 01/31/2023 09:25 # samples:	53	<=15 min:	1.06 TCU	
* 01/31/2023 09:25 # samples: # detects:	53 52	<=15 min: max:	1.06 TCU 315 TCU	MB Labs
* 01/31/2023 09:25 # samples: # detects: # non-detects:	53 52 1	<=15 min: max: avg:	1.06 TCU 315 TCU 9.51 TCU (based on	MB Labs 52 numerical results)
* 01/31/2023 09:25 # samples: # detects:	53 52	<=15 min: max:	1.06 TCU 315 TCU	MB Labs 52 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences:	53 52 1	<=15 min: max: avg:	1.06 TCU 315 TCU 9.51 TCU (based on a 3.44 TCU (based on a	MB Labs 52 numerical results) 52 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects:	53 52 1	<=15 min: max: avg:	1.06 TCU 315 TCU 9.51 TCU (based on a 3.44 TCU (based on a	MB Labs 52 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences:	53 52 1	<=15 min: max: avg: med:	1.06 TCU 315 TCU 9.51 TCU (based on a 3.44 TCU (based on a	MB Labs 52 numerical results) 52 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans	53 52 1 1	<=15 min: max: avg: med: Criteria	1.06 TCU 315 TCU 9.51 TCU (based on 3.44 TCU (based on 3	MB Labs 52 numerical results) 52 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans	53 52 1 1 5sfer)	<=15 min: max: avg: med: Criteria min:	1.06 TCU 315 TCU 9.51 TCU (based on a 3.44 TCU (based on a	MB Labs 52 numerical results) 52 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans # samples: # detects:	53 52 1 1 1 sfer)	<=15 min: max: avg: med: Criteria min: max:	1.06 TCU 315 TCU 9.51 TCU (based on 3.44 TCU (based	MB Labs 52 numerical results) 52 numerical results) Lab/User Name
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans # samples: # detects: # non-detects:	53 52 1 1 1 sfer) 53 53 0	<=15 min: max: avg: med: Criteria min: max: avg:	1.06 TCU 315 TCU 9.51 TCU (based on a 3.44 TCU (based on a 110 uS/cm 255 uS/cm 209 uS/cm (based on	MB Labs 52 numerical results) 52 numerical results) Lab/User Name 53 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans # samples: # detects:	53 52 1 1 1 sfer)	<=15 min: max: avg: med: Criteria min: max:	1.06 TCU 315 TCU 9.51 TCU (based on a 3.44 TCU (based on a 110 uS/cm 255 uS/cm 209 uS/cm (based on	MB Labs 52 numerical results) 52 numerical results) Lab/User Name
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans # samples: # detects: # non-detects:	53 52 1 1 1 sfer) 53 53 0	<=15 min: max: avg: med: Criteria min: max: avg:	1.06 TCU 315 TCU 9.51 TCU (based on a 3.44 TCU (based on a 110 uS/cm 255 uS/cm 209 uS/cm (based on	MB Labs 52 numerical results) 52 numerical results) Lab/User Name 53 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans # samples: # detects: # non-detects:	53 52 1 1 1 sfer) 53 53 0	<=15 min: max: avg: med: Criteria min: max: avg:	1.06 TCU 315 TCU 9.51 TCU (based on a second	MB Labs 52 numerical results) 52 numerical results) Lab/User Name 53 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans # samples: # detects: # non-detects: # of Exceedences:	53 52 1 1 1 sfer) 53 53 0	<=15 min: max: avg: med: Criteria min: max: avg: med:	1.06 TCU 315 TCU 9.51 TCU (based on a second	MB Labs 52 numerical results) 52 numerical results) Lab/User Name 53 numerical results) 53 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans # samples: # detects: # non-detects: # of Exceedences: Copper (total)(Lab Data Trans	53 52 1 1 1 sfer) 53 53 0 0	<=15 min: max: avg: med: Criteria min: max: avg: med: Criteria	1.06 TCU 315 TCU 9.51 TCU (based on a second	MB Labs 52 numerical results) 52 numerical results) Lab/User Name 53 numerical results) 53 numerical results)
* 01/31/2023 09:25 # samples: # detects: # non-detects: # of Exceedences: Conductivity(Lab Data Trans # samples: # detects: # non-detects: # of Exceedences:	53 52 1 1 1 sfer) 53 53 0	<=15 min: max: avg: med: Criteria min: max: avg: med:	1.06 TCU 315 TCU 9.51 TCU (based on a second	MB Labs 52 numerical results) 52 numerical results) Lab/User Name 53 numerical results) 53 numerical results)

# data ata .	0			
# detects:	0	max:	n/a	
# non-detects:	3	avg:	n/a (based on 0 nun	•
# of Exceedences:	0	med:	n/a (based on 0 nun	nerical results)
Cryptosporidium spp. (total, Transfer)	confirmed)(Lab Da	^{ata} Criteria		Lab/User Name
# samples:	6	min:	n/a	
# detects:	0	max:	n/a	
# non-detects:	6	Geometric Mean:	n/a (based on 0 nun	nerical results)
# of Exceedences:	0	med:	n/a (based on 0 nun	
			(,
Escherichia coli / E. coli (col	unts)(Lab Data			
Transfer)	anto/(Lub Butu	Criteria		Lab/User Name
* 05/16/2023			Microbiological	
09:20	2 counts/100m	l <=0, P	Standard	MB Labs
	2 counts/100m 2 counts/100m	,		MB Labs MB Labs
09:20 * 10/30/2023 08:40	2 counts/100m	,	Standard Microbiological	
09:20 * 10/30/2023 08:40 # samples:	2 counts/100m	<=0, P	Standard Microbiological Standard 0 counts/100ml	
09:20 * 10/30/2023 08:40 # samples: # detects:	2 counts/100m 48 48	<=0, P	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml	MB Labs
09:20 * 10/30/2023 08:40 # samples: # detects: # non-detects:	2 counts/100m	<=0, P min: max:	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml 1 counts/100ml (base	MB Labs ed on 48 numerical results)
09:20 * 10/30/2023 08:40 # samples: # detects:	2 counts/100m 48 48 0	<=0, P min: max: Geometric Mean:	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml 1 counts/100ml (base	MB Labs
09:20 * 10/30/2023 08:40 # samples: # detects: # non-detects: # of Exceedences:	2 counts/100m 48 48 0 2	<=0, P min: max: Geometric Mean: med:	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml 1 counts/100ml (base	MB Labs ed on 48 numerical results)
09:20 * 10/30/2023 08:40 # samples: # detects: # non-detects:	2 counts/100m 48 48 0 2	<=0, P min: max: Geometric Mean: med:	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml 1 counts/100ml (base	MB Labs ed on 48 numerical results) ed on 48 numerical results)
09:20 * 10/30/2023 08:40 # samples: # detects: # non-detects: # of Exceedences: Giardia spp. (total, confirme	2 counts/100m 48 48 0 2 d)(Lab Data Transf	<=0, P min: max: Geometric Mean: med: er) Criteria	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml 1 counts/100ml (base) 0 counts/100ml (base)	MB Labs ed on 48 numerical results) ed on 48 numerical results)
09:20 * 10/30/2023 08:40 # samples: # detects: # non-detects: # of Exceedences: Giardia spp. (total, confirment) # samples:	2 counts/100m 48 48 0 2	<=0, P min: max: Geometric Mean: med: er) Criteria min:	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml 1 counts/100ml (base) 0 counts/100ml (base)	MB Labs ed on 48 numerical results) ed on 48 numerical results)
09:20 * 10/30/2023 08:40 # samples: # detects: # non-detects: # of Exceedences: Giardia spp. (total, confirment) # samples: # detects:	2 counts/100m 48 48 0 2 d)(Lab Data Transf	<=0, P min: max: Geometric Mean: med: er) Criteria min: max:	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml (base 0 counts/100ml (base) 2.6 counts/100L 2.6 counts/100L	MB Labs ed on 48 numerical results) ed on 48 numerical results) Lab/User Name
09:20 * 10/30/2023 08:40 # samples: # detects: # non-detects: # of Exceedences: Giardia spp. (total, confirment) # samples:	2 counts/100m 48 48 0 2 d)(Lab Data Transf	<=0, P min: max: Geometric Mean: med: er) Criteria min:	Standard Microbiological Standard 0 counts/100ml 2 counts/100ml (bas- 0 counts/100ml (bas- 0 counts/100ml (bas- 2.6 counts/100L 2.6 counts/100L 2.6 counts/100L (bas-	MB Labs ed on 48 numerical results) ed on 48 numerical results)

Criteria

min:

max:

avg:

med:

n/a

n/a

Lab/User Name

n/a (based on 0 numerical results) n/a (based on 0 numerical results)

0

Gold (total)(Lab Data Transfer)



samples:

non-detects:

of Exceedences:

detects:

Hardness (total, as CaCO3)(Lab Data Transfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 3 0 0	min: max: avg: med:	78.0 mg/L 138 mg/L 106.3 mg/L (based on 3 numerical results) 103.0 mg/L (based on 3 numerical results)
Iron (total)(Lab Data Transfe	r)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 3 0 0	min: max: avg: med:	0.022 mg/L 0.170 mg/L 0.098 mg/L (based on 3 numerical results) 0.102 mg/L (based on 3 numerical results)
Lanthanum (total)(Lab Data	Transfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
Lead (total)(Lab Data Transf	er)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
Magnesium (total)(Lab Data	Transfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 3 0 0	min: max: avg: med:	7.12 mg/L 8.48 mg/L 7.79 mg/L (based on 3 numerical results) 7.76 mg/L (based on 3 numerical results)

Report created on 08/06/2024 1:08:20 PM

Manganese (total)(Lab Da	ita Transfer)	Criteria		Lab/User Name
* 05/01/2023 09:40	0.138 mg/L	<=0.12	MAC	MB Labs
* 09/05/2023 09:05	0.148 mg/L	<=0.12	MAC	MB Labs
# samples: # detects: # non-detects: # of Exceedences:	53 52 1 2	min: max: avg: med:		on 52 numerical results) on 52 numerical results)
Mercury (total)(Lab Data	Transfer)	Criteria		Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 nu n/a (based on 0 nu	
Molybdenum (total)(Lab D	Data Transfer)	Criteria		Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 nu n/a (based on 0 nu	
Mould (total)(Lab Data Tra	ansfer)	Criteria		Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	53 52 1 0	min: max: Geometric Mean: med:		ed on 52 numerical results) ed on 52 numerical results)
Nickel (total)(Lab Data Tra	ansfer)	Criteria		Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 nu n/a (based on 0 nu	

Nitrate (as N)(Lab Data Tran	sfer)	Criteria		Lab/User Name
* 12/27/2023 09:45	62.4 mg/L	<=10	MAC	MB Labs
# samples: # detects: # non-detects: # of Exceedences:	53 40 13 1	min: max: avg: med:		d on 40 numerical results) d on 40 numerical results)
Nitrite (as N)(Lab Data Trans	sfer)	Criteria		Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	53 21 32 0	min: max: avg: med:		ed on 21 numerical results) ed on 21 numerical results)
o-Phosphate (as P)(Lab Dat	a Transfer)	Criteria		Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	53 53 0 0	min: max: avg: med:		53 numerical results) 53 numerical results)
pH(Lab Data Transfer)		Criteria		Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	53 53 0 0	min: max: avg: med:		numerical results) numerical results)
Phosphate (total, as P)(Lab	Data Transfer)	Criteria		Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	53 53 0 0	min: max: avg: med:		on 53 numerical results) 53 numerical results)



Potassium (total)(Lab Data T	ransfor)	Criteria	Lab/User Name
Totassiam (total)(Eas Bata T	runoici,	Ontona	Lub/0001 Humo
# samples: # detects: # non-detects: # of Exceedences:	3 3 0 0	min: max: avg: med:	0.380 mg/L 0.700 mg/L 0.580 mg/L (based on 3 numerical results) 0.660 mg/L (based on 3 numerical results)
Scandium (total)(Lab Data Tr	ansfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
Selenium (total)(Lab Data Tra	ansfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
Silicon (total, as Si)(Lab Data	Transfer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 3 0	min: max: avg: med:	4.61 mg/L 5.51 mg/L 5.02 mg/L (based on 3 numerical results) 4.95 mg/L (based on 3 numerical results)
Silver (total)(Lab Data Transf	fer)	Criteria	Lab/User Name
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
Sodium (total)(Lab Data Tran	ısfer)	Criteria	Lab/User Name

# samples:	3	min:	2.78 mg/L
# detects:	3	max:	3.75 mg/L
# non-detects:	0	avg:	3.29 mg/L (based on 3 numerical results)
# of Exceedences:	0	med:	3.34 mg/L (based on 3 numerical results)
Sulphate(Lab Data Transfer)		Criteria	Lab/User Name
ouipriato(200 Data Transion)		• · · · · · · · · · · · · · · · · · · ·	Eas/6001 Hamo
# samples:	2	min:	0.966 mg/L
# detects:	2	max:	1.33 mg/L
# non-detects:	0	avg:	1.148 mg/L (based on 2 numerical results)
# of Exceedences:	0	med:	1.148 mg/L (based on 2 numerical results)
Tannins and Lignins(Lab Da	ta Transfer)	Criteria	Lab/User Name
#	0		
# samples:	0	min:	n/a
# detects:	0	max:	n/a
# non-detects:	0	avg:	n/a (based on 0 numerical results)
# of Exceedences:	0	med:	n/a (based on 0 numerical results)
			,
Tin (total)(Lah Data Transfor	1	Critoria	l ah/lisar Nama
Tin (total)(Lab Data Transfer)	Criteria	Lab/User Name
Tin (total)(Lab Data Transfer)	Criteria	Lab/User Name
Tin (total)(Lab Data Transfer # samples:	3	Criteria min:	Lab/User Name
# samples:	3	min:	
# samples: # detects:	3 0	min: max:	n/a n/a
# samples: # detects: # non-detects:	3 0 3	min: max: avg:	n/a n/a n/a (based on 0 numerical results)
# samples: # detects:	3 0	min: max:	n/a n/a
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
# samples: # detects: # non-detects:	3 0 3 0	min: max: avg:	n/a n/a n/a (based on 0 numerical results)
# samples: # detects: # non-detects: # of Exceedences:	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra	3 0 3 0	min: max: avg: med:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra	3 0 3 0 ansfer)	min: max: avg: med: Criteria min:	n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects:	3 0 3 0 ansfer)	min: max: avg: med: Criteria min: max:	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects: # non-detects:	3 0 3 0 ansfer)	min: max: avg: med: Criteria min: max: avg:	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a n/a (based on 0 numerical results)
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects:	3 0 3 0 ansfer)	min: max: avg: med: Criteria min: max:	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects: # non-detects: # of Exceedences:	3 0 3 0 ansfer)	min: max: avg: med: Criteria min: max: avg: med:	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects: # non-detects:	3 0 3 0 ansfer)	min: max: avg: med: Criteria min: max: avg: med:	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a n/a (based on 0 numerical results)
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects: # non-detects: # of Exceedences:	3 0 3 0 ansfer)	min: max: avg: med: Criteria min: max: avg: med:	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results)
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects: # non-detects: # of Exceedences: Total Dissolved Solids / TDS	3 0 3 0 ansfer) 3 0 3 0 3 0	min: max: avg: med: Criteria min: max: avg: med: r) Criteria	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects: # non-detects: # of Exceedences: Total Dissolved Solids / TDS # samples:	3 0 3 0 ansfer) 3 0 3 0 5(Lab Data Transfer	min: max: avg: med: Criteria min: max: avg: med: r) Criteria	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name
# samples: # detects: # non-detects: # of Exceedences: Titanium (total)(Lab Data Tra # samples: # detects: # non-detects: # of Exceedences: Total Dissolved Solids / TDS	3 0 3 0 ansfer) 3 0 3 0 3 0	min: max: avg: med: Criteria min: max: avg: med: r) Criteria	n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name n/a n/a n/a (based on 0 numerical results) n/a (based on 0 numerical results) Lab/User Name

# non-detects:	1	avg:	122.0 mg/L (based o	n 52 numerical results)
# of Exceedences:	0	med:	126.5 mg/L (based o	n 52 numerical results)
Total Kjeldahl Nitrogen / TK	N(Lab Data Transfe	er) Criteria		Lab/User Name
# samples:	53	min:	0.010 mg/L	
# detects:	53	max:	0.243 mg/L	
# non-detects:	0	avg:	•	n 53 numerical results)
# of Exceedences:	0	med:		n 53 numerical results)
Ci Excedence:	•		0.000 mg/2 (20000 0	n co namenca rocate)
Total Organic Carbon / TOC	(Lab Data Transfer)) Criteria		Lab/User Name
Total Organio Galbon / 100	(Lab Bata Transis)	, Ginona		Lub/ Cool Hamo
,,	50		0.000 "	
# samples:	53	min:	0.880 mg/L	
# detects:	49	max:	21.2 mg/L	40 ······
# non-detects:	4	avg:	• •	n 49 numerical results)
# of Exceedences:	0	med:	5.600 mg/L (based o	n 49 numerical results)
Total Supponded Solide / TS	S/Lab Data Transf	or) Critorio		Lab/User Name
Total Suspended Solids / TS * 01/16/2023	•	•		Lab/Oser Name
09:05	10.7 mg/L	>=0, <=10	User-Defined	MB Labs
* 02/13/2023	40.0	>-0 <-10	User-Defined	MB Labs
09:15	12.0 mg/L	>=0, <=10	User-Delinea	WID LADS
* 02/23/2023	23.0 mg/L	>=0, <=10	User-Defined	MB Labs
09:35 * 07/10/2023	•	,		
07/10/2023	42.0 mg/L	>=0, <=10	User-Defined	MB Labs
* 07/24/2023	40.0	010	Harri Da Carral	MD Laka
09:50	12.0 mg/L	>=0, <=10	User-Defined	MB Labs
* 09/18/2023	17.0 mg/L	>=0, <=10	User-Defined	MB Labs
09:45		0, 10	3001 20111104	
* 10/30/2023 08:40	11.0 mg/L	>=0, <=10	User-Defined	MB Labs
# samples:	53	min:	1.00 mg/L	
# detects:	40	max:	42.0 mg/L	
# non-detects:	13	avg:		40 numerical results)
# of Exceedences:	7	med:	3.34 mg/L (based on	40 numerical results)
Tungsten (total)(Lab Data Ti	ransfer)	Criteria		Lab/User Name

-	_			
# samples:	3	min:	n/a	
# detects:	0	max:	n/a	
# non-detects:	3	avg:	n/a (based on 0 nur	
# of Exceedences:	0	med:	n/a (based on 0 nur	nerical results)
Turbidity(Lab Data Transfer	r)	Criteria		Lab/User Name
* 03/27/2023	•			MD I I
09:30	1.04 NTU	<=1, OR	User-Defined	MB Labs
* 05/01/2023	O CO NITH	4-4 OD	Haan Dafinaal	MD Laka
09:40	2.59 NTU	<=1, OR	User-Defined	MB Labs
* 05/08/2023	1.52 NTU	<=1, OR	User-Defined	MB Labs
08:45	1.32 N10	ν-1, Οιν	Osei-Deillieu	WID Labs
* 05/16/2023	1.14 NTU	<=1, OR	User-Defined	MB Labs
09:20	1.14 1110	· 1, OK	Osci Deinica	IIID Edb5
* 05/24/2023	1.30 NTU	<=1, OR	User-Defined	MB Labs
12:53		1, 211		
* 09/05/2023	2.15 NTU	<=1, OR	User-Defined	MB Labs
09:05		•		
* 11/27/2023 10:10	1.14 NTU	<=1, OR	User-Defined	MB Labs
10.10				
# samples:	53	min:	0.480 NTU	
# detects:	53	max:	2.59 NTU	
# non-detects:	0	avg:	0.844 NTU (based o	n 53 numerical results)
# of Exceedences:	7	med:		n 53 numerical results)
		95th percentile:	1.709 NTU `	,
Uranium (total)(Lab Data Tr	anefor)	Criteria		Lab/User Name
Oramam (total)(Lab Bata 11	andici,	Ontena		Lab/osci Hairic
# samples:	0	min:	n/a	
# samples: # detects:	0	min: max:	n/a n/a	
		max:	n/a	nerical results)
# detects:	0		n/a n/a (based on 0 nur	
# detects: # non-detects:	0	max: avg:	n/a	
# detects: # non-detects: # of Exceedences:	0 0 0	max: avg: med:	n/a n/a (based on 0 nur	nerical results)
# detects: # non-detects:	0 0 0	max: avg:	n/a n/a (based on 0 nur	
# detects: # non-detects: # of Exceedences:	0 0 0	max: avg: med:	n/a n/a (based on 0 nur	nerical results)
# detects: # non-detects: # of Exceedences:	0 0 0	max: avg: med:	n/a n/a (based on 0 nur	nerical results)
# detects: # non-detects: # of Exceedences: UV transmittance(Lab Data	0 0 0 Transfer)	max: avg: med:	n/a n/a (based on 0 nur n/a (based on 0 nur	nerical results)
# detects: # non-detects: # of Exceedences: UV transmittance(Lab Data # samples:	0 0 0 Transfer)	max: avg: med: Criteria	n/a n/a (based on 0 nur n/a (based on 0 nur 83.2 %	nerical results) Lab/User Name
# detects: # non-detects: # of Exceedences: UV transmittance(Lab Data # samples: # detects:	0 0 0 Transfer) 53 53	max: avg: med: Criteria min: max:	n/a n/a (based on 0 nur n/a (based on 0 nur n/a (based on 0 nur 83.2 % 95.1 %	Lab/User Name 3 numerical results)

Vanadium (total)(Lab Data Tr	ansfer)	Criteria	Lab/User Name
# samples:	3	min:	n/a
# detects:	0	max:	n/a
# non-detects:	3	avg:	n/a (based on 0 numerical results)
# of Exceedences:	0	med:	n/a (based on 0 numerical results)
Zinc (total)(Lab Data Transfe	r)	Criteria	Lab/User Name
# samples:	3	min:	0.004 mg/L
# detects:	3	max:	0.023 mg/L
# non-detects:	0	avg:	0.012 mg/L (based on 3 numerical results)
# of Exceedences:	0	med:	0.008 mg/L (based on 3 numerical results)

Result Legend:

P=present, A=absent, PR=presumptive, ND=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no, TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment

- < means less than lower detection limit shown
- > means greater than upper detection limit shown
- « means detected & less than number shown
- » means detected & greater than number shown



^{*} Indicates Criteria is exceeded