

Table 6
Summary of Exceedence of GCDWQ
(uncensored data)

Laboratory Parameter	Label	GCDWQ	EAGLE ROCK : 6 Wells				OLIVER : 13 Wells				OSOYOOS : 27 Wells				GRAND FORKS : 29 Wells			
			background	# Wells that exceed GCDWQ			background	# Wells that exceed GCDWQ			background	# Wells that exceed GCDWQ			background	# Wells that exceed GCDWQ		
				1 - 2x	2 - 4x	> 4x		1 - 2x	2 - 4x	> 4x		1 - 2x	2 - 4x	> 4x		1 - 2x	2 - 4x	> 4x
Alkalinity Total 4.5 (mg/L)	Alkalinity	n.a.	145	-	-	-	70	-	-	-	200	-	-	-	70	-	-	-
Ammonia - Dissolved (mg/L)	NH4	n.a.	0.06	-	-	-	0.01	-	-	-	0.005	-	-	-	0.01	-	-	-
Arsenic - Total (mg/L)	As	0.01	0.001	0	0	4	0.0003	0	0	3	0.001	0	0	22	0.005	2	0	22
Bicarbonate (mg/L)	HCO3	n.a.	140	-	-	-	125	-	-	-	300	-	-	-	150	-	-	-
Calcium - Total (mg/L)	Ca	n.a.	40	-	-	-	20	-	-	-	90	-	-	-	45	-	-	-
Chloride - Dissolved (mg/L)	Cl	250	2	0	0	0	1	0	0	0	7	0	0	0	1	0	0	0
Iron - Total (mg/L)	Fe	0.3	0.1	1	2	1	0.02	0	1	2	0.003	0	2	10	0.05	1	2	13
Fluoride - Dissolved (mg/L)	Fl	1.5	0.04	0	0	0	0.25	0	0	0	0.2	0	0	0	0.3	0	0	0
Hardness - Total (mg/L)	Hardness	n.a.	50	-	-	-	110	-	-	-	300	-	-	-	170	-	-	-
Potassium - Total (mg/L)	K	n.a.	1.3	-	-	-	2	-	-	-	4	-	-	-	1.8	-	-	-
Magnesium - Total (mg/L)	Mg	n.a.	3	-	-	-	5	-	-	-	12	-	-	-	6	-	-	-
Manganese - Total (mg/L)	Mn	0.05	0.02	2	1	0	0.001	2	4	0	0.001	2	1	9	0.003	3	4	10
Sodium - Total (mg/L)	Na	200	2.5	0	0	0	5	0	0	0	20	0	0	0	7	0	0	0
Nitrite Nitrogen - Dissolved (mg/L)	NO2	n.a.	0.002	-	-	-	0.002	-	-	-	0.002	-	-	-	0.002	-	-	-
Nitrogen - Total (mg/L)	NO3	10	0.1	0	0	0	0.05	1	0	0	0.5	11	3	1	0.1	8	1	0
Total Dissolved Solids (mg/L)	TDS	500	200	0	0	0	100	2	0	0	300	22	1	0	130	3	0	0
Conductivity (uS/cm)	Conductance	n.a.	100	-	-	-	200	-	-	-	600	-	-	-	190	-	-	-
Sulfate - Dissolved (mg/L)	SO4	500	5	0	0	0	15	0	0	0	40	0	0	0	9	0	0	0
Uranium - Total (mg/L)	U	0.02	0.0025	0	0	0	0.002	1	1	0	0.0025	1	0	0	0.002	0	0	0
pH (pH units)	pH	6.5 to 8.5	7.95	-	-	-	7.8	-	-	-	7.6	-	-	-	7.6	-	-	-

(1) The following formulas were used for the specified ranges above:

Range	Formula
1 - 2x	>= 1 x GCDWQ
2 - 4x	>= 2 x GCDWQ
> 4x	> 4 x GCDWQ

(2) # Wells that exceed GCDWQ : Refers to the number of wells that had one or more samples that exceeded the GCDWQ for the parameter specified