

**Table 3**  
**Oliver Ambient Network**  
**Summary Statistics**  
**(uncensored data)**

Laboratory Parameter	unit	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11] = [6] / [3]	[12] = [9] / [3]	[13] = [10] / [3]	[14]	[15]	[16]	[17] = ([6]- [5]) / [15]	[18]	
		Label	GCDWQ	Background	N	Min	Max	Mode	Median	Arith. Mean	Geo. Mean	Max / Backgrd	Arith. Mean / Backgrd	Geo. Mean / Backgrd	Skewness (for Normal distrib Skew = 0)	Kurtosis (for Normal distrib Kurt = 0)	StDev (sd)	Studentized Range Test	Normal Distr.	
Alkalinity Total 4.5 (mg/L)	mg/L	<b>Alkalinity</b>	n.a.	70	62	71.2	289.0	130.0	194.5	188.6	175.9	413%	269%	251%	0.03	-1.34	67.00	3.25	no	<b>Alkalinity</b>
Ammonia - Dissolved (mg/L)	mg/L	<b>NH4</b>	n.a.	0.01	62	0.005	2.370	0.005	0.005	0.046	0.007	3%	0%	0%	7.87	61.91	0.30	7.88	no	<b>NH4</b>
Arsenic - Total (mg/L)	mg/L	<b>As</b>	0.01	0.0003	63	0.000	0.060	0.000	0.001	0.004	0.001	0%	0%	0%	4.33	17.78	0.01	5.34	no	<b>As</b>
Bicarbonate (mg/L)	mg/L	<b>HCO3</b>	n.a.	125	19	120.0	340.0	260.0	250.0	244.7	233.2	486%	350%	333%	-0.28	-1.22	73.06	3.01	no	<b>HCO3</b>
Calcium - Total (mg/L)	mg/L	<b>Ca</b>	n.a.	20.0	63	5.4	135.0	37.1	57.9	60.9	53.1	193%	87%	76%	0.43	-0.57	29.31	4.42	yes	<b>Ca</b>
Chloride - Dissolved (mg/L)	mg/L	<b>Cl</b>	250	1.0	63	0.8	21.0	11.0	6.3	7.7	6.2	30%	11%	9%	0.72	-0.20	4.80	4.21	yes	<b>Cl</b>
Iron - Total (mg/L)	mg/L	<b>Fe</b>	0.3	0.02	63	0.001	8.420	0.005	0.005	0.212	0.011	12%	0%	0%	7.13	53.54	1.09	7.70	no	<b>Fe</b>
Fluoride - Dissolved (mg/L)	mg/L	<b>Fl</b>	1.5	0.25	62	0.20	0.55	0.28	0.30	0.33	0.32	1%	0%	0%	0.85	-0.17	0.09	3.89	no	<b>Fl</b>
Hardness - Total (mg/L)	mg/L	<b>Hardness</b>	n.a.	110.0	63	61.2	564.0	131.0	223.0	230.6	206.1	806%	329%	294%	0.61	-0.08	106.95	4.70	yes	<b>Hardness</b>
Potassium - Total (mg/L)	mg/L	<b>K</b>	n.a.	2	63	1.00	8.10	5.00	4.00	4.01	3.65	12%	6%	5%	-0.01	-0.50	1.57	4.54	yes	<b>K</b>
Magnesium - Total (mg/L)	mg/L	<b>Mg</b>	n.a.	5.0	63	4.16	54.90	18.70	17.20	19.06	16.19	78%	27%	23%	1.10	1.39	11.01	4.61	yes	<b>Mg</b>
Manganese - Total (mg/L)	mg/L	<b>Mn</b>	0.05	0.001	63	0.0000	0.1740	0.0040	0.0050	0.0290	0.0071	0%	0%	0%	1.78	2.97	0.04	4.29	yes	<b>Mn</b>
Sodium - Total (mg/L)	mg/L	<b>Na</b>	200	5	63	4.6	26.0	15.5	14.7	15.2	14.1	37%	22%	20%	0.19	-0.68	5.41	3.97	no	<b>Na</b>
Nitrite Nitrogen - Dissolved (mg/L)	mg/L	<b>NO2</b>	n.a.	0.002	63	0.002	0.021	0.002	0.002	0.003	0.003	0%	0%	0%	4.68	27.81	0.00	6.85	no	<b>NO2</b>
Nitrogen - Total (mg/L)	mg/L	<b>NO3</b>	10	0.05	63	0.02	10.10	0.03	0.61	1.90	0.54	14%	3%	1%	1.86	2.23	2.88	3.50	no	<b>NO3</b>
Total Dissolved Solids (mg/L)	mg/L	<b>TDS</b>	500	100	63	82.0	538.0	260.0	282.0	300.1	271.9	769%	429%	388%	0.26	-1.24	127.99	3.56	no	<b>TDS</b>
Conductivity (uS/cm)	uS/cm	<b>Conductance</b>	n.a.	200	63	160.0	790.0	294.0	459.0	474.9	437.4	1129%	678%	625%	0.19	-1.14	184.15	3.42	no	<b>Conductance</b>
Sulfate - Dissolved (mg/L)	mg/L	<b>SO4</b>	500	15	37	1.9	113.0	87.3	55.1	52.7	40.5	161%	75%	58%	0.03	-1.23	30.19	3.68	no	<b>SO4</b>
Uranium - Total (mg/L)	mg/L	<b>U</b>	0.02	0.002	55	0.0006	0.0420	0.0020	0.0065	0.0082	0.0053	0%	0%	0%	2.24	5.45	0.01	4.82	yes	<b>U</b>
pH (pH units)	pH units	<b>pH</b>	6.5 to 8.5	7.8	63	7.10	8.85	8.10	8.10	8.06	8.05	13%	12%	12%	-0.79	5.11	0.24	7.27	no	<b>pH</b>
Dissolved : Chloride / Fluoride		<b>Cl/Fl</b>	n.a.	n.a.	63	2.9	75.0	17.1	20.4	24.3	19.5	107%	35%	28%	1.29	1.26	16.77	4.30	yes	<b>Cl/Fl</b>

NOTES:

- (1) **8.420** Yellow Box with Red Value - value is greater than or equal to GCDWQ
- (2) **8.420** Yellow Box with Blue Value - value is greater than or equal to 85% GCDWQ
- (3) Min, Max, Mode, Median, Arithmetic Mean, Geometric Mean values (see Cols [5] - [10]) are standard parametric statistical methods.
- (4) Geometric Mean formula has limitations. A workaround was found for some calculations that errored out. All values are for interest purposes ONLY.
- (5) Ratios in Cols [11] to [13] are cursory indications of potential extreme outliers
- (6) Skewness, Kurtosis, Standard Deviation, Studentized Range Test (see Cols [14] to [18]) are indicators of normal tendencies