

PALO ALTO RECYCLED WATER ANALYSIS

Sample Date	1/16/25	2/5/25	3/10/25	4/7/25	5/6/25	6/6/25	7/3/25	8/7/25	9/5/25	10/7/25	11/5/25	12/10/25	
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Lab Sample ID#	O000077	O000185	O000379	O000555	O000735	O000905	O001061	O001252	O001404	O001579	O001732	O001913	Avg
Alkalinity, ALK	156	169	171	150	129	109	83	77	100	96	106	122	122
Boron, B		0.26			0.21			0.19			0.21		0.22
Calcium, Ca	63	63	59	56	56	47	45	42	38	39	47	54	51
Chloride, Cl-	212	218	219	222	229	223	210	197	225	203	182	230	214
Conductivity	1,420	1,430	1,450	1,360	1,380	1,310	1,280	1,230	1,280	1,260	1,260	1,340	1,333
Magnesium, Mg		37	39	36	32	28	28	25	25	29	28	30	31
Manganese, Mn	DNQ48	76			61			120			53.8		72
Molybdenum, Mo	3.8	3.5	3.6	3.8	3.7	7	3.5	3.5	3.4	3.0	4.5	3.6	4
Sodium, Na	160	160	150	150	170	160	160	150	175	150	138	154	156
Nitrate-N (NO3-N)		25			25			28			23		25
Nitrite-N (NO2-N)		<0.002			<0.002			<0.002			<0.002		<0.002
pH	7.0	7.0	7.1	7.0	6.9	6.8	6.8	6.7	6.8	6.9	6.9	6.8	6.9
Phosphate, PO4	12.9	13.0	12.7	12.0	12.2	15.4	14.6	14.9	14.3	14.1	14.1	12.9	13.6
Sulfate, SO4		94			81			59			65		75
TDS	770	810	842	774	810	770	736	730	758	738	768	814	777
Hardness as CaCO3		305			274			212			241		258
Potassium, K		17			17			17			17		17
S.A.R.		4.0			4.4			4.4			4.1		4.2
Salinity	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
Silica, SiO2		13			14			9.1			14		13

Report Comments

1. All analyte units are in mg/L, except the following:

- * Manganese and molybdenum: ug/L
- * Salinity: ppt
- * Conductivity: µS/cm
- * pH: SU
- * SAR: ratio of milliequivalents/liter

2. TDS - total dissolved solids

3. S.A.R.- sodium absorption ratio of Na/Ca/Mg ; SAR = sodium ion quantity divided by the square root of the sum of half the calcium ion and half the magnesium ion

4. DNQ = data not quantifiable; these cells are DNQ values (estimated results detected below the RL and above the MDL)

5. "<" cells are ND (non-detect and less than MDL); for purposes of calculating average, the MDL is used.

6. MDL = method detection limit. RL = report limit.