

COMISIÓN ESTATAL DE SERVICIOS PÚBLICOS DE MEXICALI
SUBDIRECCIÓN DE AGUA Y SANEAMIENTO
DEPARTAMENTO DE CONTROL DE PROCESOS
RESUMEN DE ANÁLISIS FÍSICOQUÍMICOS Y MICROBIOLÓGICOS DE AGUA POTABLE DURANTE 2018
FUENTE: PLANTAS POTABILIZADORAS 1, 2 Y 3 EN LA CIUDAD DE MEXICALI.

		CARACTERÍSTICAS FÍSICO - QUÍMICAS																										PLAGUICIDAS								ANÁLISIS MICROBIOLÓGICOS												
POTENCIAL DE HIDRÓGENO	CLORO RESIDUAL	COLOR APARENTE	COLOR REAL	CONDUCTIVIDAD ELÉCTRICA	TEMPERATURA	TURBEDAD	NITRATO	NITRITO	SULFATOS	DUREZA TOTAL	DUREZA DE CALCIO	DUREZA DE MAGNESIO	ALCALINIDAD TOTAL	BICARBONATOS	CLORURO	SÓLIDOS DISUELTOS TOTALES	SÓLIDOS SUSPENDIDOS TOTALES	SÓLIDOS TOTALES	TRIHALOMETANOS	NITRÓGENO AMONIAICAL	SAAM	ALUMINIO	ARSENICO	BARIO	CADMIO	COBRE	CROMO	FIERRO	MANGANESO	MERCURIO	PLOMO	SODIO	ZINC	ALDRIN Y DIELDRIN	CLORDANO (TOTAL DE ISOMEROS)	DDT (TOTAL DE ISOMEROS)	gamma-HCH (LINDANO)	HEXACLORO BECENO	HEPTACLORO Y EPOXIDO DE HEPTACLORO	METOXICLORO	COLIFORMES TOTALES	COLIFORMES FECALES						
PH	U Pp-Co	U Pp-Co	µS/cm	°C	U.T.N	Como N	Como N	Como SO ₄ ²⁻	Como CaCO ₃	Como CaCO ₃	Como CaCO ₃	Como CaCO ₃	Como CaCO ₃	Como CaCO ₃	Como Cl ⁻	TOTAL FR	TOTAL FR	TOTALES																µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l					
FECHA DE MONITOREO	NORMA 127 SSA1 SITIO	6.5-8.5	0.20-1.50	20		5	10	1.000	400	500					250	1000		0.200	0.500	0.500	0.200	0.025	0.700	0.005	2.000	0.050	0.300	0.150	0.001	0.010	200	5	0.03	0.20	1.00	2.00	1.00	0.03	20	NO DETECTADO	NO DETECTADO							
8-ene-18	PTA. POT. #1	7.81	1.45	6	3	1473	18	0.90	1.2	<0.015	340	405	243	162	164	164	182	970	10	980	0.083	<-0.20	N.A.	0.024	<0.001	0.113	<-0.0025	<-0.010	<-0.005	0.012	<-0.010	<-0.0005	<-0.005	183	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
5-feb-18	PTA. POT. #1	7.92	1.15	7	1	1372	18	0.98	0.8	<0.015	320	377	227	150	166	166	187	924	4	928	0.113	<-0.20	N.A.	0.142	0.002	0.127	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	163	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
5-mar-18	PTA. POT. #1	7.91	1.47	0	0	1263	17	0.69	1.3	<0.015	290	356	224	132	160	160	168	872	12	884	0.109	<-0.20	N.D.	0.198	0.001	0.144	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	139	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
2-abr-18	PTA. POT. #1	7.71	1.61	13	6	1197	22	1.30	0.8	<0.015	240	340	216	124	152	152	148	804	8	812	0.104	<-0.20	N.A.	0.156	0.002	0.148	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	131	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
7-may-18	PTA. POT. #1	7.85	1.35	5	1	1264	26	0.67	0.9	<0.015	270	359	219	140	144	144	163	844	4	848	0.084	<-0.20	N.A.	0.043	0.001	0.106	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	135	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
4-jun-18	PTA. POT. #1	7.55	1.08	5	2	1212	30	0.80	1.1	<0.015	280	347	199	148	142	142	148	832	4	836	0.082	<-0.20	N.A.	0.165	0.001	0.106	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	132	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
2-jul-18	PTA. POT. #1	7.79	1.27	7	0	1206	30	1.05	0.8	<0.015	280	320	200	120	120	120	154	776	0	776	0.099	<-0.20	N.A.	0.146	<0.001	0.119	<-0.0025	<-0.010	<-0.005	0.020	<-0.010	<-0.0005	<-0.005	137	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
6-ago-18	PTA. POT. #1	7.66	1.71	4	0	1308	34	0.43	0.424	<0.015	280	352	220	132	144	144	169	892	12	904	0.077	<-0.20	N.D.	0.172	<0.001	0.122	<-0.0025	<-0.010	<-0.005	0.033	0.020	<-0.0005	<-0.005	149	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
3-sep-18	PTA. POT. #1	7.71	2.01	6	1	1377	30	1.13	0.435	<0.015	290	368	208	160	142	142	176	896	8	904	0.095	<-0.20	N.A.	0.135	<0.001	0.114	<-0.0025	<-0.010	<-0.005	0.013	0.010	<-0.0005	<-0.005	150	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
1-oct-18	PTA. POT. #1	7.66	1.58	5	0	1296	28	0.97	0.278	<0.015	280	340	212	128	150	150	161	920	4	924	0.120	<-0.20	0.0223	0.162	<0.001	0.102	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	154	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
5-nov-18	PTA. POT. #1	7.62	1.42	5	3	1434	22	0.57	0.383	<0.015	310	390	255	135	174	174	172	968	12	980	N.A.	<-0.20	N.A.	0.152	0.002	0.108	<-0.010	<-0.010	<-0.010	<-0.010	<-0.0005	<-0.005	175	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.		
POT-1 ANUAL	MAX.	7.92	2.01	13.00	6.00	1473	34	1.30	1.30	<0.015	340	405	255	162	174	174	187	970	12	980	0.120	<-0.20	N.D.	0.198	0.002	0.148	<-0.0025	0.000	<-0.0005	0.033	0.020	<-0.0005	<-0.005	183	0.000	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.	
	PROMEDIO:	7.74	1.46	5.73	1.55	1309	25	0.86	0.77	<0.015	289	359	220	139	151	151	166	882	7	889	0.097	<-0.20	N.D.	0.136	0.002	0.119	<-0.0025	#DIV/0!	<-0.0005	0.020	0.015	<-0.0005	<-0.005	150	#DIV/0!	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.
	MIN:	7.55	1.08	0.00	0.00	1197	17	0.43	0.28	<0.015	240	320	199	120	120	120	148	776	0	776	0.077	<-0.20	N.D.	0.024	0.001	0.102	<-0.0025	0.000	<-0.0005	0.012	0.010	<-0.0005	<-0.005	131	0.000	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.

		CARACTERÍSTICAS FÍSICO - QUÍMICAS																										PLAGUICIDAS								ANÁLISIS MICROBIOLÓGICOS													
POTENCIAL DE HIDRÓGENO	CLORO RESIDUAL	COLOR APARENTE	COLOR REAL	CONDUCTIVIDAD ELÉCTRICA	TEMPERATURA	TURBEDAD	NITRATO	NITRITO	SULFATOS	DUREZA TOTAL	DUREZA DE CALCIO	DUREZA DE MAGNESIO	ALCALINIDAD TOTAL	BICARBONATOS	CLORURO	SÓLIDOS DISUELTOS TOTALES	SÓLIDOS SUSPENDIDOS TOTALES	SÓLIDOS TOTALES	TRIHALOMETANOS	NITRÓGENO AMONIAICAL	SAAM	ALUMINIO	ARSENICO	BARIO	CADMIO	COBRE	CROMO	FIERRO	MANGANESO	MERCURIO	PLOMO	SODIO	ZINC	ALDRIN Y DIELDRIN	CLORDANO (TOTAL DE ISOMEROS)	DDT (TOTAL DE ISOMEROS)	gamma-HCH (LINDANO)	HEXACLORO BECENO	HEPTACLORO Y EPOXIDO DE HEPTACLORO	METOXICLORO	COLIFORMES TOTALES	COLIFORMES FECALES							
PH	U Pp-Co	U Pp-Co	µS/cm	°C	U.T.N	Como N	Como N	Como SO ₄ ²⁻	Como CaCO ₃	Como CaCO ₃	Como CaCO ₃	Como CaCO ₃	Como CaCO ₃	Como CaCO ₃	Como Cl ⁻	TOTAL FR	TOTAL FR	TOTALES																	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l			
FECHA DE MONITOREO	NORMA 127 SSA1 SITIO	6.5-8.5	0.20-1.50	20		5	10	1.000	400	500					250	1000		0.200	0.500	0.500	0.200	0.025	0.700	0.005	2.000	0.050	0.300	0.150	0.001	0.010	200	5	0.03	0.20	1.00	2.00	1.00	0.03	20	NO DETECTADO	NO DETECTADO								
8-ene-18	PTA. POT. #2	7.69	2.03	12	4	1436	17	1.50	1.4	<0.015	320	393	251	142	164	164	172	958	10	968	0.093	<-0.20	N.A.	0.109	<0.001	0.113	<-0.0025	<-0.010	<-0.005	0.017	<-0.010	<-0.0005	<-0.005	170	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.
5-feb-18	PTA. POT. #2	7.91	2.20	9	0	1332	17	0.99	2.2	<0.015	280	381	223	158	168	168	172	888	0	888	0.085	<-0.20	N.A.	0.044	0.002	0.139	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	154	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.
5-mar-18	PTA. POT. #2	7.85	1.68	7	5	1294	17	1.22	1.5	<0.015	290	360	228	132	166	166	160	860	12	872	0.082	<-0.20	N.D.	0.311	0.001	0.147	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	137	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	<-0.010	N.D.	N.D.
2-abr-18	PTA. POT. #2	7.63	1.74	10	7	1180	22	1.02	0.8	<0.015	250	336	216	120	154	154	148	784	8	792	0.092	<-0.20	N.A.	0.206	0.001	0.151	<-0.0025	<-0.010	<-0.005	<-0.010	<-0.010	<-0.0005	<-0.005	130	<-0.010	<-0.010</													