



DEPARTAMENTO LABORATORIO
INFORME TRIMESTRAL AREA AGUAS
ANÁLISIS FÍSICOQUÍMICO Y BACTERIOLÓGICO COMPLETO

PROCEDECENCIA		CIUDAD	CIUDAD	CIUDAD	CIUDAD
IDENTIFICACION		S10-CIUDAD	D 9-CIUDAD	S10-CIUDAD	D 9-CIUDAD
PUNTO DE EXTRACCION		CANAL CIVIT - ENTRADA E°ALTO GODOY	SALIDA RESERVA E° ALTO GODOY	CANAL CIVIT - ENTRADA E°ALTO GODOY	SALIDA RESERVA E° ALTO GODOY
NUMERO DE ANALISIS		7162	7163	7276	7280
FECHA DE EXTRACCION		02/10/2020	02/10/2020	07/10/2020	07/10/2020
CIRCUITO		---	---	---	---
COLOR	UCV	---	---	---	---
TURBIEDAD	UNT	2.7	1.0	2.2	1.0
OLOR	-	---	---	---	---
pH	unidad de pH	8.0	7.9	8.2	7.9
CLORO LIBRE RESIDUAL (in situ)	mg/l	---	0.77	---	0.45
CLORO LIBRE RESIDUAL (en laboratorio)	mg/l	---	---	---	---
CONDUCTIVIDAD ESPECIFICA 25°C	µS/cm	970	970	970	970
DUREZA TOTAL (CO3Ca)	mg/l	---	---	---	---
ALCALINIDAD TOTAL (como CaCO3)	mg/l	---	---	---	---
CLORURO (Cl-)	mg/l	---	---	---	---
SULFATO (SO4=)	mg/l	---	---	---	---
NITRATOS (NO3-)	mg/l	---	---	---	---
NITRITOS (NO2-)	mg/l	---	---	---	---
AMONIO (NH4+)	mg/l	---	---	---	---
CALCIO (Ca++)	mg/l	---	---	---	---
MAGNESIO (Mg++)	mg/l	---	---	---	---
FLUOR (F-)	mg/l	---	---	---	---
BORO (B)	mg/l	---	---	---	---
CIANURO (CN-)	mg/l	---	---	---	---
Fósforo total (PO4-3)	mg/l	---	---	---	---
D.B.O. (5 días, 20°C)	mg/l	---	---	---	---
D.Q.O.	mg/l	---	---	---	---
SODIO	mg/l	---	---	---	---
POTASIO	mg/l	---	---	---	---
ARSENICO	mg/l	---	---	---	---
HIERRO	mg/l	---	---	---	---
CROMO	mg/l	---	---	---	---
CADMIO	mg/l	---	---	---	---
PLOMO	mg/l	---	---	---	---
COBRE	mg/l	---	---	---	---
ZINC	mg/l	---	---	---	---
MANGANESO	mg/l	---	---	---	---
SELENIO	mg/l	---	---	---	---
PLATA	mg/l	---	---	---	---
MERCURIO	mg/l	<0.001	<0.001	---	---
ALUMINIO	mg/l	---	---	---	---
BARIO	mg/l	---	---	---	---
CLORURO DE VINILO	µg/l	<1.0	<1.0	---	---
1,1-DICLOROETENO	µg/l	<0.3	<0.3	---	---
DICLOROMETANO	µg/l	<0.3	<0.3	---	---
1,2-DICLOROETENO	µg/l	<0.3	<0.3	---	---
CLOROFORMO	µg/l	<1.0	<1.0	---	---
1,1,1-TRICLOROETANO	µg/l	<0.5	<0.5	---	---
1,2-DICLOROETANO	µg/l	<1.0	<1.0	---	---
BENCENO	µg/l	<2.0	<2.0	---	---
TETRACLORURO DE CARBONO	µg/l	<0.5	<0.5	---	---
TRICLOROETENO	µg/l	<0.5	<0.5	---	---
BROMODICLOROMETANO	µg/l	<1.0	2.1	---	---
TOLUENO	µg/l	<5.0	<5.0	---	---
DIBROMOCLOROMETANO	µg/l	<1.0	2.7	---	---
TETRACLOROETENO	µg/l	<0.5	<0.5	---	---
MONOCLOROBENCENO	µg/l	<2.0	<2.0	---	---
ETILBENCENO	µg/l	<5.0	<5.0	---	---
XILENOS	µg/l	<5.0	<5.0	---	---
BROMOFORMO	µg/l	<1.0	1.2	---	---
ESTIRENO	µg/l	<5.0	<5.0	---	---
1,4-DICLOROBENCENO	µg/l	<0.2	<0.2	---	---
1,2-DICLOROBENCENO	µg/l	<0.3	<0.3	---	---
TRICLOROBENCENOS	µg/l	<1.0	<1.0	---	---
TRIALOMETANOS (suma de fracciones)	Número Adimensional	<0.04	0.08	---	---
2,4,6-TRICLOROFENOL	µg/l	<1.0	<1.0	---	---
2,4-D (ac. 2,4-diclorofenoxiacético)	µg/l	<5.0	<5.0	---	---
HEXACLOROBENCENO	µg/l	<0.6	<0.6	---	---
PENTACLOROFENOL	µg/l	<2.0	<2.0	---	---
METIL PARATION	µg/l	<1.0	<1.0	---	---
LINDANO (g-HCH)	µg/l	<1.0	<1.0	---	---
HEPTACLORO y HEPTACLORO EPOXIDO	µg/l	<0.2	<0.2	---	---
MALATION	µg/l	<1.0	<1.0	---	---
PARATION	µg/l	<1.0	<1.0	---	---
ALDRIN y DIELDRIN	µg/l	<0.1	<0.1	---	---
CLORDANO (Isómeros Totales)	µg/l	<0.2	<0.2	---	---
DDT (Isómeros Totales)	µg/l	<1.0	<1.0	---	---
METOXICLORO	µg/l	<1.0	<1.0	---	---
BENZO(a)PIRENO	µg/l	<1.0	<1.0	---	---
FENOLES	µg/l C6H5OH	<1.0	<1.0	---	---
HIDROCARBUROS TOTALES	µg/l	<5.0	<5.0	---	---
Bacterias Aerobias Mesofilas Totales	u.f.c./ml	40	<1	40	<1
Bacterias Coliformes Totales	NMP/100 ml	2100	<2	1100	<2
Escherichia coli	NMP/100 ml	930	<2	150	<2
GRUPO CEK	NMP/100 ml	1170	<2	950	<2
Pseudomonas aeruginosa	NMP/100 ml	43	<2	23	<2
Enterococos	NMP/100 ml	75	<2	---	---
Estafilococos	NMP/100 ml	---	---	---	---
CLOROFILA	mg/m ³	---	---	---	---



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PROCEDECENCIA		CIUDAD	CIUDAD		
IDENTIFICACION		S10-CIUDAD	D 9-CIUDAD	-----	-----
PUNTO DE EXTRACCION		CANAL CIVIT - ENTRADA E'ALTO GODOY	SALIDA RESERVA E' ALTO GODOY	-----	-----
NUMERO DE ANALISIS		8957	8953	-----	-----
FECHA DE EXTRACCION		18/12/2020	18/12/2020	-----	-----
CIRCUITO		ZONA PLANTAS-COM	ZONA PLANTAS-COM	-----	-----
COLOR	UCV	<2	<2	-----	-----
TURBIEDAD	UNT	4.6	1.2	-----	-----
OLOR	-	N	N	-----	-----
pH	unidad de pH	8.1	7.8	-----	-----
CLORO LIBRE RESIDUAL (in situ)	mg/l	-----	0.39	-----	-----
CLORO LIBRE RESIDUAL (en laboratorio)	mg/l	-----	-----	-----	-----
CONDUCTIVIDAD ESPECIFICA 25°C	µS/cm	920	890	-----	-----
DUREZA TOTAL (CO3Ca)	mg/l	364	356	-----	-----
ALCALINIDAD TOTAL (como CaCO3)	mg/l	79	75	-----	-----
CLORURO (Cl-)	mg/l	73	70	-----	-----
SULFATO (SO4=)	mg/l	291	284	-----	-----
NITRATOS (NO3-)	mg/l	<0.5	<0.5	-----	-----
NITRITOS (NO2-)	mg/l	<0.03	<0.03	-----	-----
AMONIO (NH4+)	mg/l	<0.05	<0.05	-----	-----
CALCIO (Ca++)	mg/l	117	111	-----	-----
MAGNESIO (Mg++)	mg/l	17	19	-----	-----
FLUOR (F-)	mg/l	0.4	0.5	-----	-----
BORO (B)	mg/l	-----	-----	-----	-----
CIANURO (CN-)	mg/l	-----	-----	-----	-----
Fósforo total (PO4-3)	mg/l	0.06	-----	-----	-----
D.B.O. (5 días, 20°C)	mg/l	<2	-----	-----	-----
D.Q.O.	mg/l	<2	-----	-----	-----
SODIO	mg/l	54	50	-----	-----
POTASIO	mg/l	3	3	-----	-----
ARSENICO	mg/l	<0.010	<0.010	-----	-----
HIERRO	mg/l	0.20	<0.05	-----	-----
CROMO	mg/l	<0.010	<0.010	-----	-----
CADMIO	mg/l	<0.001	<0.001	-----	-----
PLOMO	mg/l	<0.010	<0.010	-----	-----
COBRE	mg/l	<0.01	0.02	-----	-----
ZINC	mg/l	<0.01	0.04	-----	-----
MANGANESO	mg/l	0.03	<0.01	-----	-----
SELENIO	mg/l	<0.005	<0.005	-----	-----
PLATA	mg/l	<0.01	<0.01	-----	-----
MERCURIO	mg/l	<0.001	<0.001	-----	-----
ALUMINIO	mg/l	<0.2	<0.2	-----	-----
BARIO	mg/l	<0.7	<0.7	-----	-----
CLORURO DE VINILO	µg/l	<1.0	<1.0	-----	-----
1,1-DICLOROETENO	µg/l	<0.3	<0.3	-----	-----
DICLOROMETANO	µg/l	<0.3	<0.3	-----	-----
1,2-DICLOROETENO	µg/l	<0.3	<0.3	-----	-----
CLOROFORMO	µg/l	<1.0	2.5	-----	-----
1,1,1-TRICLOROETANO	µg/l	<0.5	<0.5	-----	-----
1,2-DICLOROETANO	µg/l	<1.0	<1.0	-----	-----
BENCENO	µg/l	<2.0	<2.0	-----	-----
TETRACLORURO DE CARBONO	µg/l	<0.5	<0.5	-----	-----
TRICLOROETENO	µg/l	<0.5	<0.5	-----	-----
BROMODICLOROMETANO	µg/l	<1.0	3.8	-----	-----
TOLUENO	µg/l	<5.0	<5.0	-----	-----
DIBROMOCLOROMETANO	µg/l	<1.0	5.9	-----	-----
TETRACLOROETENO	µg/l	<0.5	<0.5	-----	-----
MONOCLOROBENCENO	µg/l	<2.0	<2.0	-----	-----
ETILBENCENO	µg/l	<5.0	<5.0	-----	-----
XILENOS	µg/l	<5.0	<5.0	-----	-----
BROMOFORMO	µg/l	<1.0	2.5	-----	-----
ESTIRENO	µg/l	<5.0	<5.0	-----	-----
1,4-DICLOROBENCENO	µg/l	<0.2	<0.2	-----	-----
1,2-DICLOROBENCENO	µg/l	<0.3	<0.3	-----	-----
TRICLOROBENCENOS	µg/l	<1.0	<1.0	-----	-----
TRIALOMETANOS (suma de fracciones)	Número Adimensional	<0.04	0.16	-----	-----
2,4,6-TRICLOROFENOL	µg/l	<1.0	<1.0	-----	-----
2,4-D (ac. 2,4-diclorofenoxiacético)	µg/l	<5.0	<5.0	-----	-----
HEXACLOROBENCENO	µg/l	<0.6	<0.6	-----	-----
PENTACLOROFENOL	µg/l	<2.0	<2.0	-----	-----
METIL PARATION	µg/l	<1.0	<1.0	-----	-----
LINDANO (g-HCH)	µg/l	<1.0	<1.0	-----	-----
HEPTACLORO y HEPTACLORO EPOXIDO	µg/l	<0.2	<0.2	-----	-----
MALATION	µg/l	<1.0	<1.0	-----	-----
PARATION	µg/l	<1.0	<1.0	-----	-----
ALDRIN y DIELDRIN	µg/l	<0.1	<0.1	-----	-----
CLORDANO (Isómeros Totales)	µg/l	<0.2	<0.2	-----	-----
DDT (Isómeros Totales)	µg/l	<1.0	<1.0	-----	-----
METOXICLORO	µg/l	<1.0	<1.0	-----	-----
BENZO(a)PIRENO	µg/l	<1.0	<1.0	-----	-----
FENOLES	µg/l C6H5OH	<1.0	<1.0	-----	-----
HIDROCARBUROS TOTALES	µg/l	<5.0	<5.0	-----	-----
Bacterias Aerobias Mesofilas Totales	u.f.c./ml	60	<1	-----	-----
Bacterias Coliformes Totales	NMP/100 ml	1100	<2	-----	-----
Escherichia coli	NMP/100 ml	460	<2	-----	-----
GRUPO CEK	NMP/100 ml	640	<2	-----	-----
Pseudomonas aeruginosa	NMP/100 ml	<2	<2	-----	-----
Enterococos	NMP/100 ml	<2	<2	-----	-----
Estafilococos	NMP/100 ml	-----	-----	-----	-----
CLOROFILA	mg/m³	0.7	-----	-----	-----