

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
 WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE			
	TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l)		
						10 min	30 min	60 min
07:00	25.0	7.7	0.2	3433	<0.1	<0.1	<0.1	
08:00	25.0	7.7	0.1	3420	0.1	<0.1	<0.1	
09:00	25.0	7.7	0.2	3519	<0.1	<0.1	<0.1	
10:00	25.3	7.7	0.0	3500	<0.1	0.1	<0.1	
11:00	25.6	7.7	0.0	3504	<0.1	<0.1	<0.1	
12:00	25.9	7.7	0.0	3621	<0.1	<0.1	<0.1	
13:00	26.3	7.7	0.0	3551	<0.1	<0.1	0.1	
14:00	26.8	7.7	0.0	3550				
15:00	27.3	7.7	0.0	3559	0.2	0.4	0.4	
16:00	27.7	7.7	0.0	3560	0.3	0.4	0.5	
17:00	27.9	7.8	0.0	3592	0.1	0.2	0.2	
18:00	28.1	7.7	0.0	3611	0.3	0.3	0.3	
19:00	28.1	7.7	0.0	3625	0.1	0.2	0.2	
20:00	28.0	7.7	0.0	3636	0.3	0.3	0.3	
21:00	27.8	7.7	0.0	3565	0.2	0.5	0.5	
22:00	27.6	7.6	0.0	3615	0.2	0.5	0.5	
23:00	27.3	7.7	0.0	3631	0.2	0.4	0.4	
24:00	27.0	7.6	0.0	3663	0.4	0.5	0.5	
01:00	26.7	7.6	0.0	3662	0.2	0.3	0.3	
02:00	26.2	7.6	0.0	3564	0.5	0.5	0.5	
03:00	26.1	7.6	0.0	3612	0.3	0.4	0.3	
04:00	25.9	7.6	0.0	3648	0.3	0.3	0.3	
05:00	25.8	7.7	0.0	3538	0.2	0.3	0.3	
06:00	25.0	7.7	0.2	3433	<0.1	<0.1	<0.1	
SEPTEMBER AVE.	26.7	7.7	0.0	3575	0.2	0.4	0.4	
LAST 12 MONTHS AVE.	25.4	7.7	0.6	4641	0.1	0.2	0.2	

FIELD OBSERVATIONS:

0700 – 900 the Ambient temperature ranged from 21 °C to 23 °C. The sky is clear & sunny. Watercolor is pea green. There is a strong septic odor. There is little foam on the River's surface.
 1000 – 1100 no changes, except no foam. Ambient temperature is 34 °C
 1200 – 1400 the Ambient temperature ranged from 34 °C to 38 °C. Considerable and constant flow of trash, dead dog and a dead fish was observed.
 1500 – 1900 ambient temperature ranged from 40 °C to 28 °C.
 2000 – 2200 ambient temperature is ranged from 25 °C to 22 °C.
 2300 - Ambient temperature is 23 °C.
 2400 - Ambient temperature is 22 °C.
 100 – 600 Ambient temperature ranged from 21 °C to 19 °C.

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REG. WATER QUALITY CONTROL BOARD LAB.			FECAL COLIFORM RESULTS (MPN/100ML)			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	SEPT 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	400,000	254,167	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	700,000	375,000	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	400,000	263,333	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	270,000	308,333	16,000,000	20,000
3:00	316315	Multiple Tube Fermentation	500,000	108,333	5,000,000	70,000
4:00	316315	Multiple Tube Fermentation	330,000	60,000	3,000,000	70,000
5:00	316315	Multiple Tube Fermentation	340,000	220,833	2,400,000	80,000
6:00	316315	Multiple Tube Fermentation	300,000	159,167	5,000,000	40,000

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (MG/L) ¹			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	SEPT 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	1.85	0.837	4.800	0.025
Total Phosphate as P	665	365.2	0.01	0.13	1.596	4.300	0.890
Phenol	32730	420.1	0.002	0.005	0.003	0.036	ND
Cyanide	720	335.2	0.01	ND	0.003	0.020	0.010
Ammonia-Nitrogen (NH ₃ -N)	610	350.2	0.05	3.52	5.145	11.20	2.900
Nitrate - Nitrogen (NO ₃ -N)	71850	353.2	0.2	0.13	0.378	3.100	0.200
Nitrite - Nitrogen (NO ₂ -N)	630	353.2	0.03	ND	0.017	0.200	ND
Hardness as (CaCO ₃)	900	130.2	1	770	798	1040	645
Total Alkalinity as	410	310.1	1	251	265	337	225
Total Filter Residue (TDS)	70300	160.1	10	2390	2663	3480	1970
Total Suspended Solids	530	160.2	10	58.8	41	233	10
Turbidity	82078	180.1	0.1	21.5	16	38	6
BOD	310	405.1	2	43	42	130	8
COD	340	410.4	5	47.1	46	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (UG/L) ¹			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	SEPT 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	6	3.1	11.0	3.0
Cd-Cadmium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	54	65	221.0	50.0
Hg-Mercury	71900	245.1	1	77	7	77	1.3

¹ Composite of eight water samples collected hourly.

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		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
Benzene	34030	ND ³	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	32106	0.64	0.87	0.88	0.85	0.88	0.88	1.1	0.82
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene (2-Chlorotoluene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene (4-Chlorotoluene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	32105	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	2.1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.91	1.0	3.60	1.7	1.2	1.2	1.1	0.92
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND

² Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
³ ND = Concentration is reported below the detected limit.

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CONSTITUENT ⁴ (ug/l)	STORET CODE	SEPTEMBER RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
cis- & trans-1,3-Dichloropropylene	34561	ND ⁵	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	1.8	0.92	0.74	0.77	0.68	0.92	0.69	0.73
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	0.63	ND
Methyl Ethyl Ketone ⁶	81595	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone ⁷	81596	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND	2.2	ND	ND	ND	ND	ND
Toluene	34010	0.78	0.71	2.0	1.2	3.4	1.9	1.00	1.8
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND	ND	0.76	0.56	0.68	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	A-014	ND	ND	ND	ND	0.72	1.1	0.61	ND
o-Xylene	77135	ND	ND	ND	ND	ND	0.50	ND	ND

⁴ Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
⁵ ND = Concentration is reported below the detected limit.
⁶ Detection Limit is as reported 2.0
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