

Joe K
5/15/01

SYRCL

R45-C
(copy)

SOUTH YUBA RIVER
CITIZENS LEAGUE

FACSIMILE TRANSMITTAL SHEET

TO: <u>JOE KARKOSKI</u>	FROM: <u>SOUTH YUBA RIVER CITIZENS LEAGUE</u>
COMPANY: <u>CRWQCB CENTRAL VALLEY</u>	DATE: <u>5/15</u>
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER: <u>6</u>
	SENDER'S REFERENCE NUMBER: 265-5961

RE: 303(d) list proposal for Upper Yuba and
Humbug Creek

- URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS:

LABORATORY RESULTS FROM CRANMER
LAB FOR E. COLI BACTERIA IN SOUTH
YUBA AND HUMBUG CK. AS PROMISED
IN EMAILED 303(d) LIST PROPOSAL.

(916) 255 3015

CRANMER ANALYTICAL LABORATORY 1188 East Main Street, Grass Valley, CA 95946-5710 (530) 273-7284, FAX (530) 273-9607 E.L.A.P. Certification No. 1939

Client Name: SYRCL

Date Reported: 12/04/00

Job Number: 1009066

Site Description: Site #10
 Collected By: Gotham/Kobler
 Source Type: Creek
 Treatment: Raw
 Chlorine Residual: Could not determine

Sample Number: 1009066-4
 Date Collected: 12/02/00 11:30
 Set Up Time: 12/02/00 18:24
 Elapsed Time: 6.9 Hours
 Analysis: QT High Range (18 hr)
 Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	22.8	SM(18) 9223	MPN per 100mL
E. coli	0.0	SM(18) 9223	MPN per 100mL

Site Description: Site #11
 Collected By: Lambert/Sharkey
 Source Type: Creek
 Treatment: Raw
 Chlorine Residual: Could not determine

Sample Number: 1009066-5
 Date Collected: 12/02/00 10:20
 Set Up Time: 12/02/00 18:24
 Elapsed Time: 8.1 Hours
 Analysis: QT High Range (18 hr)
 Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	90.5	SM(18) 9223	MPN per 100mL
E. coli	0.0	SM(18) 9223	MPN per 100mL

Site Description: Site #12
 Collected By: C. Scammon
 Source Type: Creek
 Treatment: Raw
 Chlorine Residual: Could not determine

Sample Number: 1009066-6
 Date Collected: 12/02/00 11:05
 Set Up Time: 12/02/00 18:24
 Elapsed Time: 7.3 Hours
 Analysis: QT High Range (18 hr)
 Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	96.0	SM(18) 9223	MPN per 100mL
E. coli	18.7	SM(18) 9223	MPN per 100mL

Site Description: Site #13
 Collected By: Thomas & Sharon
 Source Type: Creek
 Treatment: Raw
 Chlorine Residual: Could not determine

Sample Number: 1009066-7
 Date Collected: 12/02/00 12:10
 Set Up Time: 12/02/00 18:31
 Elapsed Time: 6.4 Hours
 Analysis: QT High Range (18 hr)
 Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	155.3	SM(18) 9223	MPN per 100mL
E. coli	1.0	SM(18) 9223	MPN per 100mL

Client Name: SYRCL

Date Reported: 01/15/01

Job Number: 1013257

Site Description: Site #4

Sample Number: 1013257-4

Collected By: Alice et al

Date Collected: 01/13/01 12:15

Source Type: Creek

Set Up Time: 01/13/01 17:51

Chlorine Residual: Could not determine

Elapsed Time: 5.6 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	83.0	SM(18) 9223	MPN per 100mL
E. coli	20.1	SM(18) 9223	MPN per 100mL

Site Description: Site #10

Sample Number: 1013257-5

Collected By: Kristin & Rosie

Date Collected: 01/13/01 12:00

Source Type: Creek

Set Up Time: 01/13/01 17:51

Chlorine Residual: Could not determine

Elapsed Time: 5.9 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	104.6	SM(18) 9223	MPN per 100mL
E. coli	6.3	SM(18) 9223	MPN per 100mL

Site Description: Site #11

Sample Number: 1013257-6

Collected By: Sharkey & Lambert

Date Collected: 01/13/01 12:00

Source Type: Creek

Set Up Time: 01/13/01 17:50

Chlorine Residual: Could not determine

Elapsed Time: 5.8 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	130.9	SM(18) 9223	MPN per 100mL
E. coli	0.0	SM(18) 9223	MPN per 100mL

Site Description: Site #12

Sample Number: 1013257-7

Collected By: C. Scammon

Date Collected: 01/13/01 10:30

Source Type: Creek

Set Up Time: 01/13/01 17:51

Chlorine Residual: Could not determine

Elapsed Time: 7.4 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	461.1	SM(18) 9223	MPN per 100mL
E. coli	235.9	SM(18) 9223	MPN per 100mL

Client Name: SYRCL

Date Reported: 03/12/01

Job Number: 1014145

Site Description: Site #12

Sample Number: 1014145-8

Collected By: Theresa Thomas

Date Collected: 03/10/01 10:30

Source Type: Creek

Set Up Time: 03/10/01 18:00

Chlorine Residual: Could not determine

Elapsed Time: 7.5 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	152.9	SM(18) 9223	MPN per 100mL
E. coli	7.4	SM(18) 9223	MPN per 100mL

Site Description: Site #13

Sample Number: 1014145-9

Collected By: T. Spellman

Date Collected: 03/10/01 12:30

Source Type: Creek

Set Up Time: 03/10/01 18:00

Chlorine Residual: Could not determine

Elapsed Time: 5.5 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	166.9	SM(18) 9223	MPN per 100mL
E. coli	0.0	SM(18) 9223	MPN per 100mL

Site Description: Site #14

Sample Number: 1014145-10

Collected By: Willow & Annie

Date Collected: 03/10/01 12:00

Source Type: Creek

Set Up Time: 03/10/01 18:00

Chlorine Residual: Could not determine

Elapsed Time: 6.0 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	172.3	SM(18) 9223	MPN per 100mL
E. coli	0.0	SM(18) 9223	MPN per 100mL

Site Description: Site #15

Sample Number: 1014145-11

Collected By:

Date Collected: 03/10/01 00:00

Source Type: Creek

Set Up Time: 03/10/01 18:00

Chlorine Residual: Could not determine

Elapsed Time: 18.0 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	178.9	SM(18) 9223	MPN per 100mL
E. coli	1.0	SM(18) 9223	MPN per 100mL

Cramer Analytical Laboratory

Bacterial Report

1188 East Main Street, Grass Valley, CA 95945-5710 (530) 273-7284, FAX (530) 273-9507 E.L.A.P. Certification No. 1936

SYRCL
P.O. Box 841
Nevada City CA 95959

Job Number: 1014667
Date Reported: 04/09/01
Date / Time Received: 04/07/01 17:06

Site Description: Site #1

Collected By: FW&DG
Source Type: Creek
Chlorine Residual: Could not determine

Sample Number: 1014667-1
Date Collected: 04/07/01 11:30
Set Up Time: 04/07/01 17:51
Elapsed Time: 6.4 Hours
Analysis: QT High Range (18 hr)
Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	52.0	SM(18) 9223	MPN per 100mL
E. coli	0.0	SM(18) 9223	MPN per 100mL

Site Description: Site #10

Collected By: Rorie G.
Source Type: Creek
Chlorine Residual: Could not determine

Sample Number: 1014667-2
Date Collected: 04/07/01 10:00
Set Up Time: 04/07/01 17:51
Elapsed Time: 7.9 Hours
Analysis: QT High Range (18 hr)
Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	>2419.2	SM(18) 9223	MPN per 100mL
E. coli	16.0	SM(18) 9223	MPN per 100mL

Site Description: Site #11

Collected By: Sharkey Lambert
Source Type: Creek
Chlorine Residual: Could not determine

Sample Number: 1014667-3
Date Collected: 04/07/01 12:00
Set Up Time: 04/07/01 17:51
Elapsed Time: 5.9 Hours
Analysis: QT High Range (18 hr)
Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	153.9	SM(18) 9223	MPN per 100mL
E. coli	0.0	SM(18) 9223	MPN per 100mL

CRANMER ANALYTICAL LABORATORY 1188 East Main Street, Grass Valley, CA 95945-5710 (530) 273-7284, FAX (530) 273-8907 E.L.A.P. Certification No. 1998

Client Name: SYRCL

Date Reported: 04/09/01

Job Number: 1014667

Site Description: Site #12

Sample Number: 1014667-4

Collected By: T. Thompson

Date Collected: 04/07/01 10:00

Source Type: Creek

Set Up Time: 04/07/01 17:51

Chlorine Residual: Could not determine

Elapsed Time: 7.9 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	1,203.3	SM(18) 9223	MPN per 100mL
E. coli	117.2	SM(18) 9223	MPN per 100mL

Site Description: Site #13

Sample Number: 1014667-5

Collected By: Thomas M.

Date Collected: 04/07/01 13:00

Source Type: Creek

Set Up Time: 04/07/01 17:51

Chlorine Residual: Could not determine

Elapsed Time: 4.9 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	435.2	SM(18) 9223	MPN per 100mL
E. coli	11.0	SM(18) 9223	MPN per 100mL

Site Description: Site #20

Sample Number: 1014667-6

Collected By: Wade/Lewis

Date Collected: 04/07/01 10:45

Source Type: Creek

Set Up Time: 04/07/01 17:51

Chlorine Residual: Could not determine

Elapsed Time: 7.1 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	613.1	SM(18) 9223	MPN per 100mL
E. coli	13.1	SM(18) 9223	MPN per 100mL

Site Description: Unknown A

Sample Number: 1014667-7

Collected By: unknown

Date Collected: 04/07/01 12:00

Source Type: Creek

Set Up Time: 04/07/01 17:51

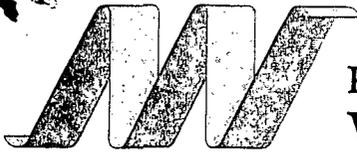
Chlorine Residual: Could not determine

Elapsed Time: 5.9 Hours

Analysis: QT High Range (18 hr)

Media: MMO-MUG 18hr

	Result	Method	Units
Total Coliform	41.3	SM(18) 9223	MPN per 100mL
E. coli	0.0	SM(18) 9223	MPN per 100mL



**KERN COUNTY
WATER AGENCY**

Directors:

April 17, 2001

R 32 - A

Fred L. Starrh
Vice President
Division 1

Terry Rogers
Division 2

Peter Frick
President
Division 3

Michael Radon
Division 4

Adrienne J. Mathews
Division 5

Lawrence P. Gallagher
Division 6

Gene A. Lundquist
Division 7

Thomas N. Clark
General Manager

John F. Stovall
General Counsel

Joe Karkoski
303(d) List Update Coordinator
California Regional Water Quality Control Board
Central Valley Region
3443 Routier Road, Suite A
Sacramento, Ca 95827-3003

Re: Request for Water Quality Information

Mr. Karkoski:

The 1998, 1999, and 2000 annual source water quality reports for the Kern County Water Agency's (KCWA) Henry C. Garnett Water Purification Plant are attached for your review. Two hard copies of each report and a copy in electronic form are included. The annual water quality reports are the only comprehensive reports on the treatment plant's three surface water sources kept in both electronic and hard copy formats. The following information is provided as requested:

Electronic form:

Excell

Quality Assurance Procedures:

The KCWA Water Quality Laboratory adheres to a quality assurance policy in accordance with that specified by the 18th edition of *Standard Methods* and the Environmental Laboratory Accreditation Program (ELAP) as follows:

1. All calibration curves are verified through the analysis of an external standard.
2. A matrix spike and duplicate sample are analyzed every 10 samples.
3. The detection limit for reporting purposes is routinely verified.
4. Quality control charts are maintained for all analytes indicating upper and lower recovery acceptance limits.
5. Logbooks are maintained for temperature, instrument calibration, standard preparation, standard expiration, reagent preparation, microbial reagent suitability, and chain of custody.
6. The laboratory is certified by ELAP (#1082) and participates in the WS series Performance Test program.
7. Outside analyses are only contracted to certified laboratories.

RECEIVED
SACRAMENTO
CYR/WD/CB
01 APR 20 PM 2:05

Mailing Address:
P.O. Box 58

Bakersfield, CA 93302-0058
Phone: 661/634-1400
Fax: 661/634-1428

MetaData*

Source	Friant Kern	State Project (Aqueduct)	Kern River
1998 Sample Date	7-30-98	7-30-98	7-30-98
1999 Sample Date	6-16-99	6-16-99	6-16-99
2000 Sample Date	3-28-00	3-28-00	3-28-00
Sample Location	Brimhall Road Bridge	Tupman Road Bridge	Rancheria Road Bridge
General Location	West Bakersfield	Tupman	NE Bakersfield

* All samples were grab samples.

If you have any questions, please contact me at (661) 634-1509 or email me at pwagner@kcwa.com.

Sincerely,



Paul Wagner
Laboratory Supervisor

Enc.

SOURCE WATER 1998

R32-b
copy 2

CONSTITUENT	MCL	California PHG	SOURCE		
			Friant-K.	Aqueduct	Kern River
Primary Inorganic Chemicals					
Aluminum	1 mg/L		ND	0.061	ND
Antimony	0.006 mg/L	0.02 mg/L	ND	ND	ND
Arsenic	0.05 mg/L		ND	0.002	0.003
Asbestos	7 MFL		ND	5.5	ND
Barium	1 mg/L		ND	ND	ND
Beryllium	0.004 mg/L		ND	ND	ND
Cadmium	0.005 mg/L		ND	ND	ND
Chromium	0.05 mg/L		ND	ND	ND
Cyanide	0.2 mg/L	0.15 mg/L	ND	ND	ND
Fluoride	1.4 - 2.4 mg/L (temp. dependent)	1 mg/L	ND	ND	0.14
Lead	Lead Rule	0.002 mg/L	ND	ND	ND
Mercury	0.002 mg/L		ND	ND	ND
Nickel	0.1 mg/L		ND	ND	ND
Nitrate (as NO3)	45 mg/L	10 mg/L as N	ND	2.73	ND
Selenium	0.05 mg/L		ND	ND	ND
Thallium	0.002 mg/L		ND	ND	ND
Turbidity	0.5 Units		2.28	12.90	2.68
Secondary Standards					
Aluminum	0.2 mg/L		ND	0.061	ND
Color	15 Units		12.5	25	12.5
Copper	1 mg/L	0.17 mg/L	ND	ND	ND
Foaming Agents	0.5 mg/L		ND	ND	ND
Iron	0.3 mg/L		ND	0.197	ND
Manganese	0.05 mg/L		ND	ND	ND
Odor	3 Units		3	2	3
Silver	0.1 mg/L		ND	ND	ND
Zinc	5 mg/L		ND	ND	ND
Recommended-Upper-Short term					
Total Dissolved Solids	500 - 1000 - 1500 mg/L		20.0	190.0	76.0
Specific Conductance	900 - 1600 - 2200 micromhos		25	251	98
Chloride	250 - 500 - 600 mg/L		0.9	24.5	2.6
Sulfate	250 - 500 - 600 mg/L		0.7	22.7	4.5
pH	6.8 - 8.5		7.91	7.70	7.96
General Minerals					
Bicarbonate	N/A		15.9	69.5	48.8
Calcium	N/A		4.0	25.6	12.0
Carbonate	N/A		ND	ND	ND
Hydroxide Alkalinity	N/A		ND	ND	ND
Magnesium	N/A		1.0	2.7	1.0
Sodium	N/A		1.4	22.4	7.2
Total Hardness	N/A		14	75	34
ADDITIONAL ANALYSES					
Silicates	N/A		3.07	5.52	3.42
Boron	N/A		0.156	0.371	0.259
Nitrate and Nitrite	10 as N	10 mg/L as N	ND	0.62	ND
Nitrite as Nitrogen (N)	N/A	1 mg/L as N	ND	ND	ND
Potassium	N/A		ND	1.8	1.4

ND = Monitored for but Not Detected
 mg/L = milligrams per liter (parts per million)
 pCi/L = pico Curries per liter

MFL = million fibers per liter; MCL for fibers exceeding 10 micrometers in length
 PHG = public health goals

Volatile Organic Chemicals (VOC's)	MCL	California PHG	SOURCE		
			Friant K.	Aqueduct	Kern River
Benzene	0.001 mg/L		ND	ND	ND
Carbon Tetrachloride	0.0005 mg/L		ND	ND	ND
1,2-Dichlorobenzene	0.6 mg/L	0.6 mg/L	ND	ND	ND
1,4-Dichlorobenzene	0.005 mg/L	0.006 mg/L	ND	ND	ND
1,1-Dichloroethane	0.005 mg/L		ND	ND	ND
1,2-Dichloroethane	0.0005 mg/L		ND	ND	ND
1,1-Dichloroethylene	0.006 mg/L		ND	ND	ND
cis-1,2-Dichloroethylene	0.006 mg/L		ND	ND	ND
trans-1,2-Dichloroethylene	0.01 mg/L		ND	ND	ND
Dichloromethane	0.005 mg/L		ND	ND	ND
1,2-Dichloropropane	0.005 mg/L		ND	ND	ND
1,3-Dichloropropene	0.0005 mg/L		ND	ND	ND
Ethylbenzene	0.7 mg/L	0.3 mg/L	ND	ND	ND
Monochlorobenzene	0.07 mg/L		ND	ND	ND
Styrene	0.1 mg/L		ND	ND	ND
1,1,2,2-Tetrachloroethane	0.001 mg/L		ND	ND	ND
Tetrachloroethylene	0.005 mg/L		ND	ND	ND
Toluene	0.15 mg/L		ND	ND	ND
Total Trihalomethanes	0.1 mg/L		ND	ND	ND
1,2,4-Trichlorobenzene	0.07 mg/L		ND	ND	ND
1,1,1-Trichloroethane	0.2 mg/L		ND	ND	ND
1,1,2-Trichloroethane	0.005 mg/L		ND	ND	ND
Trichlorethylene	0.005 mg/L		ND	ND	ND
Trichlorofluoromethane	0.15 mg/L	0.7 mg/L	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.2 mg/L	4 mg/L	ND	ND	ND
Vinyl Chloride	0.0005 mg/L		ND	ND	ND
Xylenes (total)	1.75 mg/L	1.8 mg/L	ND	ND	ND
Synthetic Organic Chemicals (SOC's)			Friant K.	Aqueduct	Kern River
Alachlor	0.002 mg/L	0.004 mg/L	ND	ND	ND
Atrazine	0.003 mg/L		ND	ND	ND
Bentazon	0.018 mg/L		ND	ND	ND
Benzo(a)pyrene	0.0002 mg/L	0.000004 mg/L	ND	ND	ND
Carbofuran	0.018 mg/L		ND	ND	ND
Chlordane	0.0001 mg/L	0.00003 mg/L	ND	ND	ND
2,4-Dichlorophenoxyacetic acid	0.07 mg/L	0.07 mg/L	ND	ND	ND
Dalapon	0.2 mg/L	0.79 mg/L	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.0002 mg/L		ND	ND	ND
Di(2-ethylhexyl)adipate	0.4 mg/L		ND	ND	ND
Di(2-ethylhexyl)phthalate	0.004 mg/L	0.012 mg/L	ND	ND	ND
Dioseb	0.007 mg/L	0.014 mg/L	ND	ND	ND
Diquat	0.02 mg/L		ND	ND	ND
Endothall	0.1 mg/L	0.58 mg/L	ND	ND	ND
Endrin	0.002 mg/L		ND	ND	ND
Ethylene Dibromide	0.00005 mg/L		ND	ND	ND
Glyphosate	0.7 mg/L	1 mg/L	ND	ND	ND
Heptachlor	0.00001 mg/L		ND	ND	ND
Heptachlor Epoxide	0.00001 mg/L		ND	ND	ND
Hexachlorobenzene	0.001 mg/L		ND	ND	ND
Hexachlorocyclopentadiene	0.05 mg/L		ND	ND	ND
Lindane	0.0002 mg/L		ND	ND	ND
Methoxychlor	0.04 mg/L		ND	ND	ND
Molinate	0.02 mg/L		ND	ND	ND
Oxamyl	0.2 mg/L	0.05 mg/L	ND	ND	ND
Pentachlorophenol	0.001 mg/L	0.0004 mg/L	ND	ND	ND
Picloram	0.5 mg/L	0.5 mg/L	ND	ND	ND
Polychlorinated Biphenyls	0.0005 mg/L		ND	ND	ND
Simazine	0.004 mg/L		ND	ND	ND
Thiobencarb	0.07 mg/L		ND	ND	ND
Toxaphene	0.003 mg/L		ND	ND	ND
2,3,7,8-TCDD (Dioxin)	0.0000003 mg/L		ND	ND	ND
2,4,5-TP (Silvex)	0.05 mg/L		ND	ND	ND

ND = Monitored for but Not Detected
mg/L = milligrams per liter (parts per million)
pCi/L = pico Curries per liter

MFL = million fibers per liter; MCL for fibers exceeding 10 micrometers in length
PHG = public health goals

Unregulated VOC's	MCL	California PHG	SOURCE		
			Friant K.	Aqueduct	Kern River
Bromobenzene	N/A		ND	ND	ND
Bromodichloromethane	N/A		ND	ND	ND
Bromoform	N/A		ND	ND	ND
Bromomethane	N/A		ND	ND	ND
Chlorodibromomethane	N/A		ND	ND	ND
Chloroethane	N/A		ND	ND	ND
Chloroform	N/A		ND	ND	ND
Chloromethane	N/A		ND	ND	ND
2-Chlorotoluene	N/A		ND	ND	ND
4-Chlorotoluene	N/A		ND	ND	ND
Dibromomethane	N/A		ND	ND	ND
1,3-Dichlorobenzene	N/A		ND	ND	ND
Dichlorodifluoromethane	N/A		ND	ND	ND
1,3-Dichloropropane	N/A		ND	ND	ND
2,2-Dichloropropane	N/A		ND	ND	ND
1,1-Dichloropropene	N/A		ND	ND	ND
1,2,3-Trichloropropane	N/A		ND	ND	ND
Unregulated Organic Chemicals			Friant K.	Aqueduct	Kern River
Aldicarb	N/A		ND	ND	ND
Aldicarb Sulfone	N/A		ND	ND	ND
Aldicarb Sulfoxide	N/A		ND	ND	ND
Aldrin	N/A		ND	ND	ND
Bromochloromethane	N/A		ND	ND	ND
Bromocil	N/A		ND	ND	ND
Butachlor	N/A		ND	ND	ND
n-Butylbenzene	N/A		ND	ND	ND
sec-Butylbenzene	N/A		ND	ND	ND
tert-Butylbenzene	N/A		ND	ND	ND
Carbaryl	N/A		ND	ND	ND
Chlorothalonil	N/A		ND	ND	ND
Diazinon	N/A		ND	ND	ND
Dicamba	N/A		ND	ND	ND
Dieldrin	N/A		ND	ND	ND
Dimethoate	N/A		ND	ND	ND
Diuron	N/A		ND	ND	ND
Hexachlorobutadiene	N/A		ND	ND	ND
3-Hydroxycarbofuran	N/A		ND	ND	ND
Isopropylbenzene	N/A		ND	ND	ND
p-Isopropyltoluene	N/A		ND	ND	ND
Methomyl	N/A		ND	ND	ND
Metolachlor	N/A		ND	ND	ND
Metribuzin	N/A		ND	ND	ND
Napthalene	N/A		ND	ND	ND
1-Phenylpropane	N/A		ND	ND	ND
Prometryn	N/A		ND	ND	ND
Propachlor	N/A		ND	ND	ND
1,2,3-Trichlorobenzene	N/A		ND	ND	ND
1,3,4-Trichlorobenzene	N/A		ND	ND	ND
1,2,4-Trimethylbenzene	N/A		ND	ND	ND
1,3,5-Trimethylbenzene	N/A		ND	ND	ND
Radioactivity			Friant K.	Aqueduct	Kern River
Gross Alpha	15 pCi/L		2.16	2.51	2.25
Gross Beta	50 pCi/L		3.29	2.92	3.11
Uranium	20 pCi/L	2 pCi/L	0.42	0.87	0.83
Tritium	20,000 pCi/L		1066	1013	1012
Strontium-90	8 pCi/L		ND	2.15	2.57
Radium 226 + 228	5 pCi/L		0.78	1.03	0.57

ND = Monitored for but Not Detected
mg/L = milligrams per liter (parts per million)
pCi/L = pico Curries per liter

MFL = million fibers per liter; MCL for fibers exceeding 10 micrometers in length
PHG = public health goals

R32-C
COPY 2

SOURCE WATER 1999

CONSTITUENT	MCL	California PHG	SOURCE		
			Friant K.	Aqueduct	Kern River
Primary Inorganic Chemicals					
	**For Treated Water Only	**For Treated Water Only			
Aluminum	1 mg/L		0.065	0.141	ND
Antimony	0.008 mg/L	0.02 mg/L	ND	ND	ND
Arsenic	0.05 mg/L		ND	ND	0.004
Asbestos	7 MFL		0.2	0.5	<0.2
Barium	1 mg/L		ND	ND	ND
Beryllium	0.004 mg/L		ND	ND	ND
Cadmium	0.005 mg/L		ND	ND	ND
Chromium	0.05 mg/L		ND	ND	ND
Cyanide	0.2 mg/L	0.15 mg/L	ND	ND	0.06
Fluoride	1.4 - 2.4 mg/L (temp. dependent)	1 mg/L	ND	ND	0.24
Lead	Lead Rule	0.002 mg/L	ND	ND	ND
Mercury	0.002 mg/L		ND	ND	ND
Nickel	0.1 mg/L		ND	ND	ND
Nitrate (as NO3)	45 mg/L	10 mg/L as N	ND	3.58	ND
Selenium	0.05 mg/L		ND	ND	ND
Thallium	0.002 mg/L		ND	ND	ND
Turbidity	0.5 Units		0.95	11.80	2.01
Secondary Standards					
			Friant K.	Aqueduct	Kern River
Aluminum	0.2 mg/L		0.065	0.141	ND
Color	15 Units		5	25	10
Copper	1 mg/L	0.17 mg/L	ND	ND	ND
Foaming Agents (MBAS)	0.5 mg/L		ND	ND	ND
Iron	0.3 mg/L		ND	0.200	ND
Manganese	0.05 mg/L		ND	ND	0.021
Odor	3 Units		4	3	6
Silver	0.1 mg/L		ND	ND	ND
Zinc	5 mg/L		ND	ND	ND
Recommended-Upper-Short term					
Total Dissolved Solids	500 - 1000 - 1500 mg/L		32.0	268.0	137.0
Specific Conductance	900 - 1600 - 2200 micromhos		40	360	173
Chloride	250 - 500 - 600 mg/L		2.3	39.6	5.0
Sulfate	250 - 500 - 600 mg/L		1.4	45.1	9.6
pH	6.8 - 8.5		7.78	7.96	7.85
General Minerals					
	mg/L		Friant K.	Aqueduct	Kern River
Bicarbonate	N/A		20.7	69.5	83
Calcium	N/A		4.8	22.4	20.0
Carbonate	N/A		ND	ND	ND
Hydroxide Alkalinity	N/A		ND	ND	ND
Magnesium	N/A		<1.0	8.7	3.4
Sodium	N/A		3.3	35.6	13.3
Total Hardness	N/A		13	92	64
ADDITIONAL ANALYSES					
	mg/L		Friant K.	Aqueduct	Kern River
Silicates	N/A		4.36	4.96	4.49
Boron	N/A		0.331	0.408	0.273
Nitrate and Nitrite	10 as N	10 mg/L as N	ND	0.81	ND
Nitrite as Nitrogen (N)	N/A	1 mg/L as N	ND	ND	ND
Potassium	N/A		<1.0	2	1.8

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MFL = million fibers per liter. MCL for fibers exceeding 10 micrometers in length
 PHG = public health goals
 **Source water has no MCLs or PHGs

Volatile Organic Chemicals (VOC's)	MCL **For Treated Water Only	California PHG **For Treated Water Only	SOURCE		
			Friant K.	Aqueduct	Kern River
Benzene	0.001 mg/L		ND	ND	ND
Carbon Tetrachloride	0.0005 mg/L		ND	ND	ND
1,2-Dichlorobenzene	0.6 mg/L	0.6 mg/L	ND	ND	ND
1,4-Dichlorobenzene	0.005 mg/L	0.006 mg/L	ND	ND	ND
1,1-Dichloroethane	0.005 mg/L		ND	ND	ND
1,2-Dichloroethane	0.0005 mg/L		ND	ND	ND
1,1-Dichloroethylene	0.006 mg/L		ND	ND	ND
cis-1,2-Dichloroethylene	0.006 mg/L		ND	ND	ND
trans-1,2-Dichloroethylene	0.01 mg/L		ND	ND	ND
Dichloromethane	0.005 mg/L		ND	ND	ND
1,2-Dichloropropane	0.005 mg/L		ND	ND	ND
1,3-Dichloropropane	0.0005 mg/L		ND	ND	ND
Ethylbenzene	0.7 mg/L	0.3 mg/L	ND	ND	ND
Monochlorobenzene	0.07 mg/L		ND	ND	ND
Styrene	0.1 mg/L		ND	ND	ND
1,1,2,2-Tetrachloroethane	0.001 mg/L		ND	ND	ND
Tetrachloroethylene	0.005 mg/L		ND	ND	ND
Toluene	0.15 mg/L		ND	ND	ND
Total Trihalomethanes	0.1 mg/L		ND	ND	ND
1,2,4-Trichlorobenzene	0.07 mg/L		ND	ND	ND
1,1,1-Trichloroethane	0.2 mg/L		ND	ND	ND
1,1,2-Trichloroethane	0.005 mg/L		ND	ND	ND
Trichloroethylene	0.005 mg/L		ND	ND	ND
Trichlorofluoromethane	0.15 mg/L	0.7 mg/L	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.2 mg/L	4 mg/L	ND	ND	ND
Vinyl Chloride	0.0005 mg/L		ND	ND	ND
Xylenes (total)	1.75 mg/L	1.8 mg/L	ND	ND	ND
Synthetic Organic Chemicals (SOC's)			Friant K.	Aqueduct	Kern River
Alachlor	0.002 mg/L	0.004 mg/L	ND	ND	ND
Atrazine	0.003 mg/L		ND	ND	ND
Bentazon	0.018 mg/L		ND	ND	ND
Benzo(a)pyrene	0.0002 mg/L	0.000004 mg/L	ND	ND	ND
Carbofuran	0.018 mg/L		ND	ND	ND
Chlordane	0.0001 mg/L	0.00003 mg/L	ND	ND	ND
2,4-Dichlorophenoxyacetic acid	0.07 mg/L	0.07 mg/L	ND	ND	ND
Dalapon	0.2 mg/L	0.79 mg/L	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.0002 mg/L		ND	ND	ND
Di(2-ethylhexyl)adipate	0.4 mg/L		ND	ND	ND
Di(2-ethylhexyl)phthalate	0.004 mg/L	0.012 mg/L	ND	ND	ND
Dioseb	0.007 mg/L	0.014 mg/L	ND	ND	ND
Diquat	0.02 mg/L		ND	ND	ND
Endosulf	0.1 mg/L	0.58 mg/L	ND	ND	ND
Endrin	0.002 mg/L		ND	ND	ND
Ethylene Dibromide	0.00005 mg/L		ND	ND	ND
Glyphosate	0.7 mg/L	1 mg/L	ND	ND	ND
Heptachlor	0.00001 mg/L		ND	ND	ND
Heptachlor Epoxide	0.00001 mg/L		ND	ND	ND
Hexachlorobenzene	0.001 mg/L		ND	ND	ND
Hexachlorocyclopentadiene	0.05 mg/L		ND	ND	ND
Lindane	0.0002 mg/L		ND	ND	ND
Methoxychlor	0.04 mg/L		ND	ND	ND
Molinate	0.02 mg/L		ND	ND	ND
Oxamyl	0.2 mg/L	0.05 mg/L	ND	ND	ND
Pentachlorophenol	0.001 mg/L	0.0004 mg/L	ND	ND	ND
Picloram	0.5 mg/L	0.5 mg/L	ND	ND	ND
Polychlorinated Biphenyls	0.0005 mg/L		ND	ND	ND
Simazine	0.004 mg/L		ND	ND	ND
Thiobencarb	0.07 mg/L		ND	ND	ND
Toxaphene	0.003 mg/L		ND	ND	ND
2,3,7,8-TCDD (Dioxin)	0.00000003 mg/L		ND	ND	ND
2,4,5-TP (Silvex)	0.05 mg/L		ND	ND	ND

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mg/L = milligrams per liter (parts per million)
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MFL = million fibers per liter; MCL for fibers exceeding 10 micrometers in length
PHG = public health goals
**Source water has no MCLs or PHGs

Unregulated VOC's	MCL **For Treated Water Only	California PHG **For Treated Water Only	SOURCE		
			Front K.	Aqueduct	Kern River
Bromobenzene	N/A		ND	ND	ND
Bromodichloromethane	N/A		ND	ND	ND
Bromoform	N/A		ND	ND	ND
Bromomethane	N/A		ND	ND	ND
Chlorodibromomethane	N/A		ND	ND	ND
Chloroethane	N/A		ND	ND	ND
Chloroform	N/A		ND	ND	ND
Chloromethane	N/A		ND	ND	ND
2-Chlorotoluene	N/A		ND	ND	ND
4-Chlorotoluene	N/A		ND	ND	ND
Dibromomethane	N/A		ND	ND	ND
1,3-Dichlorobenzene	N/A		ND	ND	ND
Dichlorodifluoromethane	N/A		ND	ND	ND
1,3-Dichloropropane	N/A		ND	ND	ND
2,2-Dichloropropane	N/A		ND	ND	ND
1,1-Dichloropropene	N/A		ND	ND	ND
1,2,3-Trichloropropane	N/A		ND	ND	ND
Unregulated Organic Chemicals			Front K.	Aqueduct	Kern River
Aldicarb	N/A		ND	ND	ND
Aldicarb Sulfone	N/A		ND	ND	ND
Aldicarb Sulfoxide	N/A		ND	ND	ND
Aldrin	N/A		ND	ND	ND
Bromochloromethane	N/A		ND	ND	ND
Bromocil	N/A		ND	ND	ND
Butachlor	N/A		ND	ND	ND
n-Butylbenzene	N/A		ND	ND	ND
sec-Butylbenzene	N/A		ND	ND	ND
tert-Butylbenzene	N/A		ND	ND	ND
Carbaryl	N/A		ND	ND	ND
Chlorothalonil	N/A		ND	ND	ND
Diazinon	N/A		ND	ND	ND
Dicamba	N/A		ND	ND	ND
Dieldrin	N/A		ND	ND	ND
Dimethoate	N/A		ND	ND	ND
Diuron	N/A		ND	ND	ND
Hexachlorobutadiene	N/A		ND	ND	ND
3-Hydroxycarbofuran	N/A		ND	ND	ND
Isopropylbenzene	N/A		ND	ND	ND
p-Isopropyltoluene	N/A		ND	ND	ND
Methomyl	N/A		ND	ND	ND
Metolachlor	N/A		ND	ND	ND
Metribuzin	N/A		ND	ND	ND
Napthalene	N/A		ND	ND	ND
1-Phenylpropane	N/A		ND	ND	ND
Prometryn	N/A		ND	ND	ND
Propachlor	N/A		ND	ND	ND
1,2,3-Trichlorobenzene	N/A		ND	ND	ND
1,3,4-Trichlorobenzene	N/A		ND	ND	ND
1,2,4-Trimethylbenzene	N/A		ND	ND	ND
1,3,5-Trimethylbenzene	N/A		ND	ND	ND
Radioactivity			Front K.	Aqueduct	Kern River
Gross Alpha	15 pCi/L		0.2	2.0	1.0
Gross Beta	50 pCi/L		0.2	3.0	3.0
Uranium	20 pCi/L	2 pCi/L	0.2	0.8	1.0
Tritium	20,000 pCi/L		400	300	400
Strontium-90	8 pCi/L		0.2	0.4	0.4
Radium 226 + 228	5 pCi/L		0.0	0.3	0.4

ND = Monitored for but Not Detected

mg/L = milligrams per liter (parts per million)

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**Source water has no MCLs or PHGs

R 32-01
C 042

Source Water 2000

Constituent	Units	PHG*	MCL*	Source		
				Frant Kern	Aqueduct	Kern River
Primary Inorganic Chemicals						
Aluminum	mg/L	0.06	1	0.076	0.064	ND
Antimony	mg/L	0.02	0.006	ND	ND	ND
Arsenic	mg/L	N/A	0.05	ND	ND	0.003
Asbestos	MFL	N/A	7	<0.2	<0.2	<0.2
Barium	mg/L	N/A	1	ND	ND	ND
Beryllium	mg/L	N/A	0.004	ND	ND	ND
Cadmium	mg/L	0.00007	0.005	ND	ND	ND
Chromium	mg/L	0.0025	0.05	ND	ND	ND
Cyanide	mg/L	0.15	0.2	ND	ND	ND
Fluoride	mg/L	1	2	ND	ND	0.26
Lead**	mg/L	0.002	0.015	ND	ND	ND
Mercury	mg/L	0.0012	0.002	ND	ND	ND
Nickel	mg/L	0.003	0.1	ND	ND	ND
Nitrate (as NO ₃)	mg/L	45	45	ND	2.77	ND
Nitrite (as Nitrogen, N)	mg/L	1	1	ND	ND	ND
Nitrate + Nitrite (sum as Nitrogen, N)	mg/L	10	10	ND	0.625	ND
Selenium	mg/L	N/A	0.05	ND	ND	ND
Thallium	mg/L	0.0001	0.002	ND	ND	ND
Secondary Standards						
Aluminum	mg/L	N/A	0.2	0.076	0.064	ND
Color	Units	N/A	15	25	30	15
Copper**	mg/L	0.17	1.3	ND	ND	ND
Foaming Agents (MBAS)	mg/L	N/A	0.5	ND	0.13	0.1
Iron	mg/L	N/A	0.3	0.118	0.170	ND
Manganese	mg/L	N/A	0.05	ND	ND	ND
Methyl tert-butyl ether	mg/L	N/A	0.005	ND	ND	ND
Odor	Units	N/A	3	3	8	3
Silver	mg/L	N/A	0.1	ND	ND	ND
Thiobencarb	mg/L	N/A	0.001	ND	ND	ND
Turbidity	Units	N/A	5	6.43	11.10	3.7
Zinc	mg/L	N/A	5	ND	ND	ND
Total Dissolved Solids	mg/L	N/A	1000	36	230	135
Specific Conductance	micromhos	N/A	1600	48	307	180
Chloride	mg/L	N/A	500	2.8	31.0	5.4
Sulfate	mg/L	N/A	500	2.05	39.6	10.9
General Minerals						
Bicarbonate	mg/L	N/A	N/A	21.96	64.66	85.4
Carbonate	mg/L	N/A	N/A	ND	ND	ND
Hydroxide	mg/L	N/A	N/A	ND	ND	ND
Calcium	mg/L	N/A	N/A	5.2	19.2	18.4
Magnesium	mg/L	N/A	N/A	0.7	7.9	2.8
Sodium	mg/L	N/A	N/A	4.8	32.8	14.8
Total Hardness	mg/L	N/A	N/A	16	79	56
pH	Units	N/A	N/A	7.43	7.72	8.16
Additional Analyses						
Boron	mg/L	N/A	N/A	0.15	0.19	0.15
Potassium	mg/L	N/A	N/A	0.8	1.8	1.7
Silica	mg/L	N/A	N/A	4.58	5.38	2.56

Source Water 2000

Constituent	Units	PHG*	MCL*	Source		
				Friant Kern	Aqueduct	Kern River
Volatile Organic Chemicals						
Benzene	mg/L	0.00014	0.001	ND	ND	ND
Carbon Tetrachloride	mg/L	0.0001	0.0005	ND	ND	ND
1,2-Dichlorobenzene	mg/L	0.6	0.6	ND	ND	ND
1,4-Dichlorobenzene	mg/L	0.006	0.005	ND	ND	ND
1,1-Dichloroethane	mg/L	N/A	0.005	ND	ND	ND
1,2-Dichloroethane	mg/L	0.0004	0.0005	ND	ND	ND
1,1-Dichloroethylene	mg/L	0.01	0.006	ND	ND	ND
cis-1,2-Dichloroethylene	mg/L	N/A	0.006	ND	ND	ND
trans-1,2-Dichloroethylene	mg/L	N/A	0.01	ND	ND	ND
Dichloromethane	mg/L	0.004	0.005	ND	ND	ND
1,2-Dichloropropane	mg/L	0.0005	0.005	ND	ND	ND
1,3-Dichloropropene	mg/L	0.0002	0.0005	ND	ND	ND
Ethylbenzene	mg/L	0.3	0.7	ND	ND	ND
Methyl tert-butyl ether	mg/L	0.013	0.013	ND	ND	ND
Monochlorobenzene	mg/L	N/A	0.07	ND	ND	ND
Styrene	mg/L	N/A	0.1	ND	ND	ND
1,1,2,2-Tetrachloroethane	mg/L	N/A	0.001	ND	ND	ND
Tetrachloroethylene	mg/L	0.000056	0.005	ND	ND	ND
Toluene	mg/L	0.15	0.15	ND	ND	ND
Total Trihalomethanes	mg/L	N/A	0.1	ND	ND	ND
1,2,4-Trichlorobenzene	mg/L	0.005	0.07	ND	ND	ND
1,1,1-Trichloroethane	mg/L	N/A	0.2	ND	ND	ND
1,1,2-Trichloroethane	mg/L	N/A	0.005	ND	ND	ND
Trichloroethylene	mg/L	0.0008	0.005	ND	ND	ND
Trichlorofluoromethane	mg/L	0.7	0.15	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	1.2	ND	ND	ND
Vinyl Chloride	mg/L	0.00005	0.0005	ND	ND	ND
Xylenes (total)	mg/L	1.8	1.75	ND	ND	ND
Synthetic Organic Chemicals						
Alachlor	mg/L	0.004	0.002	ND	ND	ND
Atrazine	mg/L	0.00015	0.003	ND	ND	ND
Bentazon	mg/L	0.2	0.018	ND	ND	ND
Benzo(a)pyrene	mg/L	0.000004	0.0002	ND	ND	ND
Carbofuran	mg/L	0.0017	0.018	ND	ND	ND
Chlordane	mg/L	0.00003	0.0001	ND	ND	ND
2,4-Dichlorophenoxyacetic acid	mg/L	0.07	0.07	ND	ND	ND
Dalapon	mg/L	0.79	0.2	ND	ND	ND
1,2-Dibromo-3-chloropropane	mg/L	0.0000017	0.0002	ND	ND	ND
Di(2-ethylhexyl)adipate	mg/L	N/A	0.4	ND	ND	ND
Di(2-ethylhexyl)phthalate	mg/L	0.012	0.004	ND	ND	ND
Dioseb	mg/L	0.014	0.007	ND	ND	ND
Diquat	mg/L	0.015	0.02	ND	ND	ND
Endothall	mg/L	0.58	0.1	ND	ND	ND
Endrin	mg/L	0.0018	0.002	ND	ND	ND
Ethylene Dibromide	mg/L	N/A	0.00005	ND	ND	ND
Glyphosate	mg/L	1.0	0.7	ND	ND	ND
Heptachlor	mg/L	0.000008	0.00001	ND	ND	ND
Heptachlor Epoxide	mg/L	0.000006	0.00001	ND	ND	ND
Hexachlorobenzene	mg/L	N/A	0.001	ND	ND	ND
Hexachlorocyclopentadiene	mg/L	0.05	0.05	ND	ND	ND
Lindane	mg/L	0.000032	0.0002	ND	ND	ND
Methoxychlor	mg/L	0.03	0.04	ND	ND	ND
Molinate	mg/L	N/A	0.2	ND	ND	ND
Oxamyl	mg/L	0.05	0.2	ND	ND	ND
Pentachlorophenol	mg/L	0.0004	0.001	ND	ND	ND
Picloram	mg/L	0.5	0.5	ND	ND	ND
Polychlorinated Biphenyls	mg/L	N/A	0.0005	ND	ND	ND
Simazine	mg/L	0.0004	0.004	ND	ND	ND
Thiobencarb	mg/L	0.07	0.07	ND	ND	ND
Toxaphene	mg/L	N/A	0.003	ND	ND	ND
2,3,7,8-TCDD (Dioxin)	mg/L	N/A	0.00000003	ND	ND	ND
2,4,5-TP (Silvex)	mg/L	N/A	0.05	ND	ND	ND

Source Water 2000

Constituent	Units	PHG*	MCL†	Source		
				Friant Kern	Aqueduct	Kern River
Unregulated Volatile Organic Chemicals						
Bromobenzene	mg/L	N/A	N/A	ND	ND	ND
Bromodichloromethane	mg/L	N/A	N/A	ND	ND	ND
Bromoform	mg/L	N/A	N/A	ND	ND	ND
Bromomethane	mg/L	N/A	N/A	ND	ND	ND
Chlorodibromomethane	mg/L	N/A	N/A	ND	ND	ND
Chloroethane	mg/L	N/A	N/A	ND	ND	ND
Chloroform	mg/L	N/A	N/A	ND	ND	ND
Chloromethane	mg/L	N/A	N/A	ND	ND	ND
2-Chlorotoluene	mg/L	N/A	N/A	ND	ND	ND
4-Chlorotoluene	mg/L	N/A	N/A	ND	ND	ND
Dibromomethane	mg/L	N/A	N/A	ND	ND	ND
1,3-Dichlorobenzene	mg/L	N/A	N/A	ND	ND	ND
Dichlorodifluoromethane	mg/L	N/A	N/A	ND	ND	ND
1,3-Dichloropropane	mg/L	N/A	N/A	ND	ND	ND
2,2-Dichloropropane	mg/L	N/A	N/A	ND	ND	ND
1,1-Dichloropropene	mg/L	N/A	N/A	ND	ND	ND
Unregulated Volatile Organic Chemicals and Synthetic Organic Chemicals						
Bromocil	mg/L	N/A	N/A	ND	ND	ND
Bromochloromethane	mg/L	N/A	N/A	ND	ND	ND
n-Butylbenzene	mg/L	N/A	N/A	ND	ND	ND
sec-Butylbenzene	mg/L	N/A	N/A	ND	ND	ND
tert-Butylbenzene	mg/L	N/A	N/A	ND	ND	ND
Chlorothalonil	mg/L	N/A	N/A	ND	ND	ND
Dimethoate	mg/L	N/A	N/A	ND	ND	ND
Diuron	mg/L	N/A	N/A	ND	ND	ND
Hexachlorobutadiene	mg/L	N/A	N/A	ND	ND	ND
Isopropylbenzene	mg/L	N/A	N/A	ND	ND	ND
p-Isopropyltoluene	mg/L	N/A	N/A	ND	ND	ND
Napthalene	mg/L	N/A	N/A	ND	ND	ND
1-Phenylpropane	mg/L	N/A	N/A	ND	ND	ND
Prometryn	mg/L	N/A	N/A	ND	ND	ND
1,2,3-Trichlorobenzene	mg/L	N/A	N/A	ND	ND	ND
1,2,4-Trimethylbenzene	mg/L	N/A	N/A	ND	ND	ND
1,3,5-Trimethylbenzene	mg/L	N/A	N/A	ND	ND	ND
Unregulated Synthetic Organic Chemicals						
Aldicarb	mg/L	N/A	N/A	ND	ND	ND
Aldicarb Sulfone	mg/L	N/A	N/A	ND	ND	ND
Aldicarb Sulfoxide	mg/L	N/A	N/A	ND	ND	ND
Aldrin	mg/L	N/A	N/A	ND	ND	ND
Butachlor	mg/L	N/A	N/A	ND	ND	ND
Carbaryl	mg/L	N/A	N/A	ND	ND	ND
Diazinon	mg/L	N/A	N/A	ND	ND	ND
Dicamba	mg/L	N/A	N/A	ND	ND	ND
Dieldrin	mg/L	N/A	N/A	ND	ND	ND
3-Hydroxycarbofuran	mg/L	N/A	N/A	ND	ND	ND
Methomyl	mg/L	N/A	N/A	ND	ND	ND
Metolachlor	mg/L	N/A	N/A	ND	ND	ND
Metribuzin	mg/L	N/A	N/A	ND	ND	ND
Propachlor	mg/L	N/A	N/A	ND	ND	ND
1,3,4-Trichlorobenzene	mg/L	N/A	N/A	ND	ND	ND
Radioactivity						
Gross Alpha	pCi/L	N/A	15 pCi/L	2.12	1.60	4.17
Gross Beta	pCi/L	N/A	50 pCi/L	3.92	2.90	1.59
Radium 226 + 228	pCi/L	N/A	5 pCi/L	0.30	0.00	0.11
Strontium-90	pCi/L	N/A	8 pCi/L	0.00	0.00	0.00
Tritium	pCi/L	N/A	20,000 pCi/L	0.00	62.30	31.20
Uranium	pCi/L	2 pCi/L	20 pCi/L	5.30	0.86	1.44

*Applicable to treated water only

**Values identified as MCLs are action levels under the lead and copper rule

MCL = Maximum Contaminant Level

MFL = million fibers per liter; MCL for fibers exceeding 10 micrometers in length

mg/L = milligrams per liter (parts per million)

microhm/cm = measure of conductivity

ND = Not Detected

NTU = Nephelometric Turbidity Units

pCi/L = pico Curries per liter

PHG = Public Health Goal