

CITY of YUBA CITY

UTILITIES DEPARTMENT

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WASTEWATER TREATMENT FACILITY • 302 BURNS DRIVE • YUBA CITY, CA 95991 • (530) 822-4639 • FAX (530) 822-4773
WATER TREATMENT PLANT • 701 NORTHGATE DRIVE • YUBA CITY, CA 95991 • (530) 822-4636 • FAX (530) 822-4739

May 7, 2001

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

Dear Mr. Karkoski:

I am pleased to submit surface water quality information. The City of Yuba City's source water is the Feather River. If you have any questions regarding the submitted data, please feel free to contact me at 530-822-7695 or e-mail mpaulucc@yubacity.net.

Regards,



Michael L. Paulucci
Treatment Plants Chemist
City of Yuba City



Encl. 3.5" diskette
2 copies bacteriological data
2 copies MWD study

City of Yuba City

electronic copy of report
Excel Office 2000

R47-C?



GreenDisk™

(copy)



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

R 47-b

May 8, 2000

Mr. Mike Paulucci
City of Yuba City
302 Burns Drive
Yuba City, CA 95991

Reply to: 700 Moreno Avenue
La Verne, CA 91750

Dear Mr. Paulucci:

MTBE Survey Results

Thank you for agreeing to participate in the American Water Works Association Research Foundation (AWWARF) project "National Assessment of Methyl *Tertiary* Butyl Ether (MTBE) Occurrence in Drinking Water." The investigators for this project are the Metropolitan Water District of Southern California, the U.S. Geological Survey, and the Oregon Graduate Institute. Together we are conducting an assessment on the frequency of detection, concentration, and distribution of MTBE, other ether gasoline oxygenates, MTBE degradation by-products, and other volatile organic compounds (VOCs) in source waters used by Community Water Systems (CWSs) throughout the United States.

Your cooperation in this project will help identify the geographic distribution and concentration of MTBE and other VOCs in drinking water supplies. The names and source locations of each CWS will remain anonymous. A state identifier and a source-size category identifier will identify CWSs. At the completion of the study, a project report will be available from AWWARF. In addition, the database of results (identified by state and source-size category) will be made available to the public via the World Wide Web.

Enclosed for your review and files are the results of the sample(s) collected from your system. Please contact us if you identify an error in the information provided herewith about your utility or detect items that need additional clarification. You can reach me by telephone at (909) 392-5294, by fax at (909) 392-5246 or by email at bkoch@mwd.dst.ca.us.

Thank you again for your participation in this project.

Very truly yours,

Bart Koch
Principal Investigator

BK:smh
h:\letter\bk mtbe results.doc

Enclosures

MTBE AWWARF Study Results

System Name: City of Yuba City

PWSID #: CA5110002

Code #: SW_LRG.CA_02

Sample Location: FIELD BLANK

Sample Date: 16-Feb-00

Result (ug/L) - by EPA Method 524.2

Acrylonitrile:	ND (<0.2)
Benzene:	ND (<0.2)
Bromobenzene:	ND (<0.2)
Bromochloromethane:	ND (<0.2)
Bromodichloromethane:	ND (<0.2)
Bromoform:	ND (<0.2)
Bromomethane:	ND (<0.2)
n-Butylbenzene:	ND (<0.2)
sec-Butylbenzene:	ND (<0.2)
Carbon Tetrachloride:	ND (<0.2)
Chlorobenzene:	ND (<0.2)
Chlorodibromomethane:	ND (<0.2)
Chloroethane:	ND (<0.2)
Chloroform:	ND (<0.2)
Chloromethane:	ND (<0.2)
2-Chlorotoluene:	ND (<0.2)
4-Chlorotoluene:	ND (<0.2)
Dibromomethane:	ND (<0.2)
1,2-Dichlorobenzene:	ND (<0.2)
1,3-Dichlorobenzene:	ND (<0.2)
1,4-Dichlorobenzene:	ND (<0.2)
Dichlorodifluoromethane:	ND (<0.2)
1,1-Dichloroethane:	ND (<0.2)
1,2-Dichloroethane:	ND (<0.2)
1,1-Dichloroethene:	ND (<0.2)
cis-1,2-Dichloroethene:	ND (<0.2)
trans-1,2-Dichloroethene:	ND (<0.2)
1,2-Dichloropropane:	ND (<0.2)
1,3-Dichloropropane:	ND (<0.2)
2,2-Dichloropropane:	ND (<0.2)
1,1-Dichloropropene:	ND (<0.2)
cis-1,3-Dichloropropene:	ND (<0.2)

Metropolitan Water District of Southern California
Water Quality Laboratory
700 Moreno Avenue
La Verne CA 91750

ND - not detected

NR - not reported

MTBE AWWARF Study Results

System Name: City of Yuba City

PWSID #: CA5110002

Code #: SW_LRG.CA_02

Sample Location: FIELD BLANK

Sample Date: 16-Feb-00

Result (ug/L) - by EPA Method 524.2

trans-1,3-Dichloropropene:	ND (<0.2)
DIPE:	ND (<0.2)
ETBE:	ND (<0.2)
Ethylbenzene:	ND (<0.2)
Hexachlorobutadiene:	ND (<0.2)
Hexachloroethane:	ND (<0.2)
Isopropylbenzene:	ND (<0.2)
p-Isopropyltoluene:	ND (<0.2)
Methyl Ethyl Ketone (MEK):	ND (<2.0)
Methylene Chloride:	ND (<0.2)
Methyl tert-Butyl Ether (MTBE):	ND (<0.2)
Naphthalene:	ND (<0.2)
n-Propylbenzene:	ND (<0.2)
Styrene:	ND (<0.2)
tert amyl methyl ether (TAME):	ND (<0.2)
Tetrachloroethene:	ND (<0.2)
1,1,1,2-Tetrachloroethane:	ND (<0.2)
1,1,2,2-Tetrachloroethane:	ND (<0.2)
Toluene:	ND (<0.2)
1,2,3-Trichlorobenzene:	ND (<0.2)
1,2,4-Trichlorobenzene:	ND (<0.2)
1,1,1-Trichloroethane:	ND (<0.2)
1,1,2-Trichloroethane:	ND (<0.2)
Trichloroethene:	ND (<0.2)
Trichlorofluoromethane:	ND (<0.2)
1,1,2-Trichloro-1,2,2-trifluoroethane:	ND (<0.2)
1,2,3-Trichloropropane:	ND (<0.2)
1,2,4-Trimethylbenzene	ND (<0.2)
1,3,5-Trimethylbenzene	ND (<0.2)
Vinyl bromide:	ND (<0.2)
Vinyl chloride:	ND (<0.2)
m,p-Xylene:	ND (<0.2)
o-Xylene:	ND (<0.2)

Metropolitan Water District of Southern California
Water Quality Laboratory
700 Moreno Avenue
La Verne CA 91750



Bart Koch
Principal Investigator
(909) 392-5489

MTBE AWWARF Study Results

System Name: City of Yuba City

PWSID #: CA5110002

Code #: SW_LRG.CA_02

Sample Location: RAW WATER

Sample Date: 16-Feb-00

Result (ug/L) - by EPA Method 524.2

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Acrylonitrile:	ND (<0.2)
Benzene:	ND (<0.2)
Bromobenzene:	ND (<0.2)
Bromochloromethane:	ND (<0.2)
Bromodichloromethane:	1.1
Bromoform:	ND (<0.2)
Bromomethane:	ND (<0.2)
n-Butylbenzene:	ND (<0.2)
sec-Butylbenzene:	ND (<0.2)
Carbon Tetrachloride:	ND (<0.2)
Chlorobenzene:	ND (<0.2)
Chlorodibromomethane:	ND (<0.2)
Chloroethane:	ND (<0.2)
Chloroform:	33.5
Chloromethane:	ND (<0.2)
2-Chlorotoluene:	ND (<0.2)
4-Chlorotoluene:	ND (<0.2)
Dibromomethane:	ND (<0.2)
1,2-Dichlorobenzene:	ND (<0.2)
1,3-Dichlorobenzene:	ND (<0.2)
1,4-Dichlorobenzene:	ND (<0.2)
Dichlorodifluoromethane:	ND (<0.2)
1,1-Dichloroethane:	ND (<0.2)
1,2-Dichloroethane:	ND (<0.2)
1,1-Dichloroethene:	ND (<0.2)
cis-1,2-Dichloroethene:	ND (<0.2)
trans-1,2-Dichloroethene:	ND (<0.2)
1,2-Dichloropropane:	ND (<0.2)
1,3-Dichloropropane:	ND (<0.2)
2,2-Dichloropropane:	ND (<0.2)
1,1-Dichloropropene:	ND (<0.2)
cis-1,3-Dichloropropene:	ND (<0.2)

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Metropolitan Water District of Southern California

ND - not detected

Water Quality Laboratory

NR - not reported

700 Moreno Avenue

La Verne CA 91750

MTBE AWWARF Study Results

System Name: City of Yuba City

PWSID #: CA5110002

Code #: SW_LRG.CA_02

Sample Location: RAW WATER

Sample Date: 16-Feb-00

Result (ug/L) - by EPA Method 524.2

trans-1,3-Dichloropropene:	ND (<0.2)
DIPE:	ND (<0.2)
ETBE:	ND (<0.2)
Ethylbenzene:	ND (<0.2)
Hexachlorobutadiene:	ND (<0.2)
Hexachloroethane:	ND (<0.2)
Isopropylbenzene:	ND (<0.2)
p-Isopropyltoluene:	ND (<0.2)
Methyl Ethyl Ketone (MEK):	ND (<2.0)
Methylene Chloride:	ND (<0.2)
Methyl tert-Butyl Ether (MTBE):	ND (<0.2)
Naphthalene:	ND (<0.2)
n-Propylbenzene:	ND (<0.2)
Styrene:	ND (<0.2)
tert amyl methyl ether (TAME):	ND (<0.2)
Tetrachloroethene:	ND (<0.2)
1,1,1,2-Tetrachloroethane:	ND (<0.2)
1,1,2,2-Tetrachloroethane:	ND (<0.2)
Toluene:	ND (<0.2)
1,2,3-Trichlorobenzene:	ND (<0.2)
1,2,4-Trichlorobenzene:	ND (<0.2)
1,1,1-Trichloroethane:	ND (<0.2)
1,1,2-Trichloroethane:	ND (<0.2)
Trichloroethene:	ND (<0.2)
Trichlorofluoromethane:	ND (<0.2)
1,1,2-Trichloro-1,2,2-trifluoroethane:	ND (<0.2)
1,2,3-Trichloropropane:	ND (<0.2)
1,2,4-Trimethylbenzene	ND (<0.2)
1,3,5-Trimethylbenzene	ND (<0.2)
Vinyl bromide:	ND (<0.2)
Vinyl chloride:	ND (<0.2)
m,p-Xylene:	ND (<0.2)
o-Xylene:	ND (<0.2)

Metropolitan Water District of Southern California
Water Quality Laboratory
700 Moreno Avenue
La Verne CA 91750


Bart Koch
Principal Investigator
(909) 392-5489

City of YUBA CITY

J.T.T

R47-C
UP42

Water/Wastewater Laboratory
302 Burns Drive
Yuba City, California 95991
Phone: 530-822-7695
Fax: 530-822-4773
e-mail: mpaulucc@yubacity.net

Report Prepared For:
07-May-01

Water Treatment Plant
701 Northgate Blvd.
Yuba City, California 95991

Bobby Howard

Collection Date: 9/7/99
Collection Time: 9:00:00 AM
Collected By: K. UYEMOTO

Submittal Date: 9/7/99
Submittal Time: 10:00:00 AM
Submitted To: MP

Your Yuba City Login Number: 09081031

*(Please refer to this number when inquiring about your samples.)
(If your login number is "-0-", then please refer to the sample number.)*

Collection Date: 9/7/99
Collection Time: 9:00:00 AM
Collected By: K. UYEMOTO

Submittal Date: 9/7/99
Submittal Time: 10:00:00 AM
Submitted To: MP

Your Yuba City Sample Identification Number: YD06835

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	170	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 10/5/99
Collection Time: 11:00:00 AM
Collected By: K. UYEMOTO

Submittal Date: 10/5/99
Submittal Time: 1:00:00 PM
Submitted To: MP

Your Yuba City Sample Identification Number: YD07552

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	280	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 11/2/99
Collection Time: 11:30:00 AM
Collected By: K. UYEMOTO

Submittal Date: 11/2/99
Submittal Time: 1:14:00 PM
Submitted To: CLR

Your Yuba City Sample Identification Number: YD08392

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	120	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 12/7/99
Collection Time: 12:25:00 PM
Collected By: K. UYEMOTO

Submittal Date: 12/7/99
Submittal Time: 12:45:00 PM
Submitted To: MP

Your Yuba City Sample Identification Number: YD09417

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	110	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 1/10/00
Collection Time: 11:15:00 AM
Collected By: B. ARNETT

Submittal Date: 1/10/00
Submittal Time: 12:27:00 PM
Submitted To: BA

Your Yuba City Sample Identification Number: YE00212

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	300	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 2/16/00
Collection Time: 10:45:00 AM
Collected By: B. ARNETT

Submittal Date: 2/16/00
Submittal Time: 11:20:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YE01398

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	720000	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 3/6/00
Collection Time: 10:30:00 AM
Collected By: B. HOWARD

Submittal Date: 3/6/00
Submittal Time: 1:00:00 PM
Submitted To: BA

Your Yuba City Sample Identification Number: YE01956

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	13000	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 4/3/00
Collection Time: 11:30:00 AM
Collected By: B. ARNETT

Submittal Date: 4/3/00
Submittal Time: 12:30:00 PM
Submitted To: BA

Your Yuba City Sample Identification Number: YE02816

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	110	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 5/1/00
Collection Time: 10:10:00 AM
Collected By: B. ARNETT

Submittal Date: 5/1/00
Submittal Time: 10:32:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YE03673

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	130	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 6/5/00
Collection Time: 9:00:00 AM
Collected By: B. ARNETT

Submittal Date: 6/5/00
Submittal Time: 2:47:00 PM
Submitted To: BA

Your Yuba City Sample Identification Number: YE04699

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	3000	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	70	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 7/3/00
Collection Time: 10:30:00 AM
Collected By: B. ARNETT

Submittal Date: 7/3/00
Submittal Time: 11:00:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YE05485

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	240	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	30	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 8/7/00
Collection Time: 10:30:00 AM
Collected By: B. ARNETT

Submittal Date: 8/7/00
Submittal Time: 11:11:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YE06500

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	170	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	6.0	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 9/11/00
Collection Time: 11:20:00 AM
Collected By: B. ARNETT

Submittal Date: 9/11/00
Submittal Time: 12:20:00 PM
Submitted To: BA

Your Yuba City Sample Identification Number: YE07557

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	130	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	17	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 10/2/00
Collection Time: 11:00:00 AM
Collected By: B. ARNETT

Submittal Date: 10/2/00
Submittal Time: 11:45:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YE08183

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	130	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	11	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 11/8/00
Collection Time: 11:00:00 AM
Collected By: B. ARNETT

Submittal Date: 11/8/00
Submittal Time: 11:45:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YE09374

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	70	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	13	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 12/7/00
Collection Time: 11:30:00 AM
Collected By: B. ARNETT

Submittal Date: 12/7/00
Submittal Time: 12:00:00 PM
Submitted To: BA

Your Yuba City Sample Identification Number: YE10224

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	30	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	4.0	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 1/17/01
Collection Time: 11:20:00 AM
Collected By: B. ARNETT

Submittal Date: 1/17/01
Submittal Time: 12:12:00 PM
Submitted To: BA

Your Yuba City Sample Identification Number: YF00475

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	13	MPN/100ml		SM 9221B

Notes and Comments:

Collection Date: 2/5/01
Collection Time: 11:00:00 AM
Collected By: B. ARNETT

Submittal Date: 2/5/01
Submittal Time: 11:50:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YF01053

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	110	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	4	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 3/5/01
Collection Time: 9:30:00 AM
Collected By: B. ARNETT

Submittal Date: 3/5/01
Submittal Time: 9:55:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YF01875

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	140	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	110	MPN/100ml		SM 9221E

Notes and Comments:

Collection Date: 4/2/01
Collection Time: 10:45:00 AM
Collected By: B. ARNETT

Submittal Date: 4/2/01
Submittal Time: 11:15:00 AM
Submitted To: BA

Your Yuba City Sample Identification Number: YF02763

Sample Description: WTP Raw water

Sample Collection Type: GRAB

Matrix: RIVER

Analysis Name	Result	Units	PRL	Method Reference
Total Coliform, MPN/100ml	40	MPN/100ml		SM 9221B
Total Fecal, MPN/100ml	2.0	MPN/100ml		SM 9221E

Notes and Comments:

Report Prepared For

Water Treatment Plant
701 Northgate Blvd.
Yuba City, California 95991

Bobby Howard

End of Report