

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

2001 MAY 15 P 12:55

San Luis Rey River 9-33

Environmental Laboratory Certification #1156
6100 Quail Valley Court Riverside, CA 92507-0704
P.O. Box 432 Riverside, CA 92502-0432
PH (909) 653-3351 FAX (909) 653-1662
e-mail: esbsales@aol.com
www.babcocklabs.com

301

Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @BONSALL

Site:
Description:

Matrix: wastewater

Page: 1 of 2
Lab No.: L77623-009

Date Reported: 12/21/00

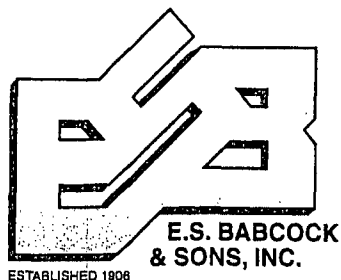
Collected By:
Date: 11/27/00
Time: 1220
Submitted By: Fed Ex
Date: 11/28/00
Time: 0845

Constituent	Result	Method	RL	Date / Analyst
Total Hardness	830 mg/L	EPA 200.7	3.	001129/LT
Calcium	170 mg/L	EPA 200.7	1.	001129/LT
Magnesium	96. mg/L	EPA 200.7	1.	001129/LT
Sodium	220 mg/L	EPA 200.7	1.	001129/LT
Ammonia-Nitrogen	ND mg/L	SM4500-NH3 H	0.1	001130/KS
Total Alkalinity	300 mg/L	SM 2320 B	3.	001213/LA
Hydroxide	ND mg/L	SM 2320 B	3.	001213/LA
Carbonate	ND mg/L	SM 2320 B	3.	001213/LA
Bicarbonate	370 mg/L	SM 2320 B	3.	001213/LA
Sulfate	360 mg/L	EPA 300.0	0.5	001212/DU
Chloride	240 mg/L	EPA 300.0	1.	001212/DU
Nitrate-Nitrogen	0.8 mg/L	EPA 300.0	0.2	001128/DU
Fluoride	0.4 mg/L	EPA 340.2	0.1	001130/LA
pH	8.2 units	EPA 150.1	-	001212/DU
Specific Conductance	2380 umho/cm	EPA 120.1	1.0	001212/DU
Total Dissolved Solids	1680 mg/L	EPA 160.1	10	001128/RLS
Cyanide	ND mg/L	EPA 335.4	0.01	001129/TF
Ortho Phosphate Phosphorus	0.07 mg/L	SM 4500-PE	0.05	001130/HGA
Total Phosphorus	0.56 mg/L	SM 4500-PB4E	0.05	001205/HGA
Nitrite-Nitrogen	ND mg/L	EPA 354.1	0.1	001129/LA
Kjeldahl Nitrogen	0.4 mg/L	EPA 351.2	0.1	001205/KS
Aggressive Index	13.6 none	calculation	0.1	001220/SFR
Langelier Index Calculated at 25 C	1.8 none	Calculation	0.1	001220/SFR
Temperature at Lab	25. deg C	SM 2550B	-	001128/MFT
Aluminum	ND mg/L	EPA 200.7	0.1	001129/LT

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Samples analyzed @ 0800 for Orthophosphates.

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Matrix: wastewater

Page: 2 of 2
 Lab No.: L77623-009

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<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Antimony	ND	mg/L EPA 200.8	0.01	001129/DAV
Arsenic	ND	mg/L EPA 200.8	0.005	001129/DAV
Barium	0.06	mg/L EPA 200.8	0.02	001129/DAV
Beryllium	ND	mg/L EPA 200.8	0.01	001129/DAV
Cadmium	ND	mg/L EPA 200.8	0.002	001129/DAV
Total Chromium	ND	mg/L EPA 200.8	0.02	001129/DAV
Copper	ND	mg/L EPA 200.8	0.01	001129/DAV
Iron	0.05	mg/L EPA 200.7	0.02	001129/LT
Lead	ND	mg/L EPA 200.8	0.01	001129/DAV
Manganese	0.10	mg/L EPA 200.8	0.01	001129/DAV
Mercury	ND	mg/L EPA 200.8	0.0005	001129/DAV
Nickel	ND	mg/L EPA 200.8	0.02	001129/DAV
Selenium	0.016	mg/L EPA 200.8	0.005	001129/DAV
Silver	ND	mg/L EPA 200.8	0.01	001129/DAV
Thallium	ND	mg/L EPA 200.8	0.2	001129/DAV
Zinc	ND	mg/L EPA 200.8	0.01	001129/DAV

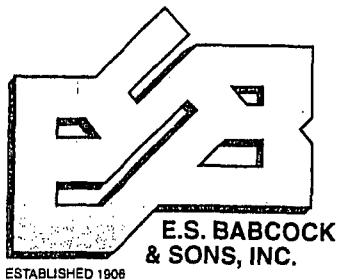
ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Samples analyzed @ 0800 for Orthophosphates.

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Page: 1
 Lab No.: L77623-009

Date Reported: 12/21/2000

Collected By:
 Date: 11/27/2000
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 Submitted By: Fed Ex
 Date: 11/28/2000
 Time: 0845

EPA Method 608

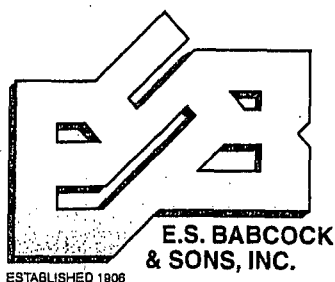
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
4,4'-DDD	ND	ug/L 0.1	Chlordane	ND	ug/L 0.1
4,4'-DDE	ND	ug/L 0.04	d-BHC	ND	ug/L 0.09
4,4'-DDT	ND	ug/L 0.1	Dieldrin	ND	ug/L 0.02
a-BHC	ND	ug/L 0.03	Endosulfan I	ND	ug/L 0.1
Aldrin	ND	ug/L 0.04	Endosulfan II	ND	ug/L 0.04
Aroclor 1016	ND	ug/L 0.5	Endosulfan Sulfate	ND	ug/L 0.7
Aroclor 1221	ND	ug/L 0.5	Endrin	ND	ug/L 0.06
Aroclor 1232	ND	ug/L 0.5	Endrin Aldehyde	ND	ug/L 0.2
Aroclor 1242	ND	ug/L 0.5	Heptachlor	ND	ug/L 0.01
Aroclor 1248	ND	ug/L 0.5	Heptachlor Epoxide	ND	ug/L 0.01
Aroclor 1254	ND	ug/L 0.5	Lindane	ND	ug/L 0.04
Aroclor 1260	ND	ug/L 0.5	Methoxychlor	ND	ug/L 1.8
b-BHC	ND	ug/L 0.06	Toxaphene	ND	ug/L 1.0
BZ-198	-	-			
Surr Percent Recovery:	88.3	%			

Date analyzed / Analyst: 12-01-2000 / SM
 ND = None detected at RL (Reporting Limit). RL units same as result.

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Client I.D.: SLR RIVER @DOUGLAS

Site:

Description:

Matrix: wastewater

Page: 1 of 2
 Lab No.: L77623-008

Date Reported: 12/21/00

Collected By:

Date: 11/27/00

Time: 1255

Submitted By: Fed Ex

Date: 11/28/00

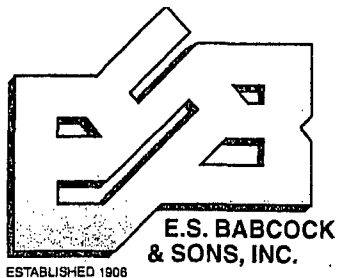
Time: 0845

Constituent	Result		Method	RL	Date / Analyst
Total Hardness	780	mg/L	EPA 200.7	3.	001129/LT
Calcium	160	mg/L	EPA 200.7	1.	001129/LT
Magnesium	89.	mg/L	EPA 200.7	1.	001129/LT
Sodium	220	mg/L	EPA 200.7	1.	001129/LT
Ammonia-Nitrogen	ND	mg/L	SM4500-NH3 H	0.1	001130/KS
Total Alkalinity	320	mg/L	SM 2320 B	3.	001129/LA
Hydroxide	ND	mg/L	SM 2320 B	3.	001129/LA
Carbonate	ND	mg/L	SM 2320 B	3.	001129/LA
Bicarbonate	390	mg/L	SM 2320 B	3.	001129/LA
Sulfate	270	mg/L	EPA 300.0	0.5	001201/DU
Chloride	240	mg/L	EPA 300.0	1.	001201/DU
Nitrate-Nitrogen	0.4	mg/L	EPA 300.0	0.2	001128/DU
Fluoride	0.3	mg/L	EPA 340.2	0.1	001130/LA
pH	7.7	units	EPA 150.1	-	001128/DU
Specific Conductance	2320	umho/cm	EPA 120.1	1.0	001128/DU
Total Dissolved Solids	1580	mg/L	EPA 160.1	10	001128/RLS
Cyanide	ND	mg/L	EPA 335.4	0.01	001129/TF
Ortho Phosphate Phosphorus	0.06	mg/L	SM 4500-PE	0.05	001130/HGA
Total Phosphorus	0.32	mg/L	SM 4500-PB4E	0.05	001206/HGA
Nitrite-Nitrogen	ND	mg/L	EPA 354.1	0.1	001129/LA
Kjeldahl Nitrogen	0.8	mg/L	EPA 351.2	0.1	001205/KS
Aggressive Index	13.1	none	calculation	0.1	001220/SFR
Langelier Index Calculated at 25 C	1.3	none	Calculation	0.1	001220/SFR
Temperature at Lab	25.	deg C	SM 2550B	-	001128/MFT
Aluminum	0.2	mg/L	EPA 200.7	0.1	001129/LT

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Samples analyzed @ 0800 for Orthophosphates.

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Site:
 Description:

Matrix: wastewater

Page: 2 of 2
 Lab No.: L77623-008

Date Reported: 12/21/00

Collected By:

Date: 11/27/00
 Time: 1255

Submitted By: Fed Ex

Date: 11/28/00
 Time: 0845

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Antimony	ND mg/L	EPA 200.8	0.01	001129/DAV
Arsenic	ND mg/L	EPA 200.8	0.005	001129/DAV
Barium	0.08 mg/L	EPA 200.8	0.02	001129/DAV
Beryllium	ND mg/L	EPA 200.8	0.01	001129/DAV
Cadmium	ND mg/L	EPA 200.8	0.002	001129/DAV
Total Chromium	ND mg/L	EPA 200.8	0.02	001129/DAV
Copper	ND mg/L	EPA 200.8	0.01	001129/DAV
Iron	0.93 mg/L	EPA 200.7	0.02	001129/LT
Lead	ND mg/L	EPA 200.8	0.01	001129/DAV
Manganese	1.7 mg/L	EPA 200.8	0.01	001129/DAV
Mercury	ND mg/L	EPA 200.8	0.0005	001129/DAV
Nickel	ND mg/L	EPA 200.8	0.02	001129/DAV
Selenium	0.016 mg/L	EPA 200.8	0.005	001129/DAV
Silver	ND mg/L	EPA 200.8	0.01	001129/DAV
Thallium	ND mg/L	EPA 200.8	0.2	001129/DAV
Zinc	ND mg/L	EPA 200.8	0.01	001129/DAV

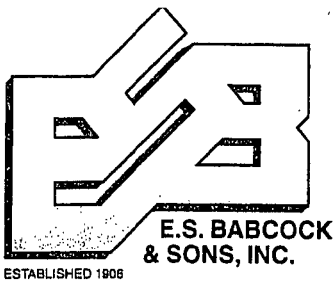
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Client I.D.: SLR RIVER @BENET DR

Site:
Description:

Matrix: water

Page: 1
Lab No.: L77623-007

Date Reported: 12/21/2000

Collected By:

Date: 11/27/2000

Time: 1330

Submitted By: Fed Ex

Date: 11/28/2000

Time: 0845

HPLC / UV

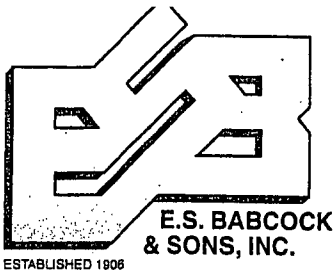
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Formaldehyde	ND	ug/L	150		

Date analyzed / Analyst: 11-29-2000 / SM

ND = None detected at RL (Reporting Limit). RL units same as result.

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Client I.D.: SLR RIVER @BENET DR

Site:
Description:

Matrix: water

Page: 2
Lab No.: L77623-007

Date Reported: 12/21/2000

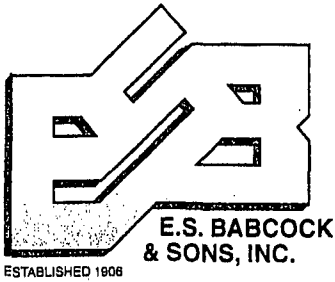
Collected By:
Date: 11/27/2000
Time: 1330
Submitted By: Fed Ex
Date: 11/28/2000
Time: 0845

<u>Constituent</u>	<u>Result</u>	<u>EPA 504.1</u>		<u>Constituent</u>	<u>Result</u>	<u>RL</u>
		<u>RL</u>	<u>Constituent</u>			
Dibromochloropropane	ND	ug/L	0.01	Ethylene dibromide	ND	ug/L 0.02

Date analyzed / Analyst: 11-30-2000 / SM
ND = None detected at RL (Reporting Limit). RL units same as result.

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Client I.D.: SLR RIVER @BENET DR

Site:

Description:

Matrix: water

Page: 3
 Lab No.: L77623-007

Date Reported: 12/21/2000

Collected By:

Date: 11/27/2000

Time: 1330

Submitted By: Fed Ex

Date: 11/28/2000

Time: 0845

EPA Method 507

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Alachlor	ND ug/L	1.0	Atrazine	ND ug/L	1.0
Bromacil	ND ug/L	10.	Butachlor	ND ug/L	0.4
Diazinon	ND ug/L	0.3	Dimethoate	ND ug/L	10.
Diuron	ND ug/L	1.0	Metolachlor	ND ug/L	1.0
Metribuzin	ND ug/L	0.2	Molinate	ND ug/L	2.0
Prometryn	ND ug/L	2.0	Simazine	ND ug/L	1.0
Thiobencarb	ND ug/L	1.0			

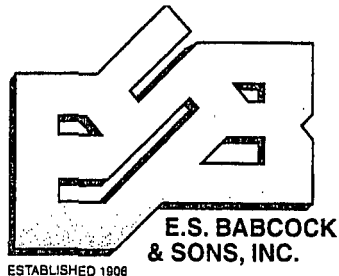
Date analyzed / Analyst: 12-02-2000 / JS

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



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Page: 4
Lab No.: L77623-007

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EPA Method 515.1

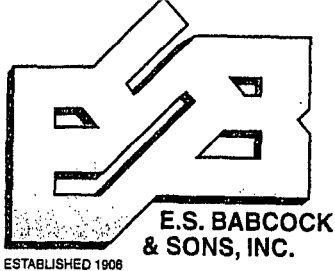
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Bentazon	ND ug/L	2.0	2,4-D	ND ug/L	10.
Dicamba	ND ug/L	0.8	Dinoseb	ND ug/L	2.0
Pentachlorophenol	ND ug/L	0.2	Picloram	ND ug/L	1.0
2,4,5-TP Silvex	ND ug/L	1.0	Dalapon	ND ug/L	10.
DCPAA	-				
Surr Percent Recovery:	92.0 %				

Date analyzed / Analyst: 11-30-2000 / SM

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Page: 5
 Lab No.: L77623-007

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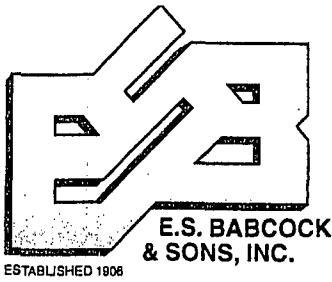
Collected By:
 Date: 11/27/2000
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 Submitted By: Fed Ex
 Date: 11/28/2000
 Time: 0845

EPA Method 524.2

Constituent	Result	RL	Constituent	Result	RL
1,1,1,2-Tetrachloroethane	ND	ug/L 0.5	Chloroethane	ND	ug/L 0.5
1,1,1-Trichloroethane	ND	ug/L 0.5	Chloroform	ND	ug/L 0.5
1,1,2,2-Tetrachloroethane	ND	ug/L 0.5	Chloromethane	ND	ug/L 0.5
1,1,2-Trichloroethane	ND	ug/L 0.5	cis-1,2-Dichloroethene	ND	ug/L 0.5
1,1-Dichloroethane	ND	ug/L 0.5	cis-1,3-Dichloropropene	ND	ug/L 0.5
1,1-Dichloroethene	ND	ug/L 0.5	Dibromochloromethane	ND	ug/L 0.5
1,1-Dichloropropene	ND	ug/L 0.5	Dibromomethane	ND	ug/L 0.5
1,2,3-Trichlorobenzene	ND	ug/L 0.5	Dichlorodifluoromethane	ND	ug/L 1.0
1,2,3-Trichloropropane	ND	ug/L 0.5	1,2,4-Trichlorobenzene	ND	ug/L 0.5
1,2,4-Trimethylbenzene	ND	ug/L 0.5	Ethylbenzene	ND	ug/L 0.5
1,2-Dichlorobenzene	ND	ug/L 0.5	Hexachlorobutadiene	ND	ug/L 0.5
1,2-Dichloroethane	ND	ug/L 0.5	1,2-Dichloropropane	ND	ug/L 0.5
1,3,5-Trimethylbenzene	ND	ug/L 0.5	Isopropylbenzene	ND	ug/L 0.5
1,3-Dichlorobenzene	ND	ug/L 0.5	1,3-Dichloropropane	ND	ug/L 0.5
Methyl tert Butyl Ether	ND	ug/L 3.0	1,4-Dichlorobenzene	ND	ug/L 0.5
Methylene Chloride	ND	ug/L 0.5	2,2-Dichloropropane	ND	ug/L 0.5
Naphthalene	ND	ug/L 0.5	2-Butanone (MEK)	ND	ug/L 5.0
n-Butylbenzene	ND	ug/L 0.5	2-Chloroethylvinyl Ether	ND	ug/L 1.0
n-Propylbenzene	ND	ug/L 0.5	2-Chlorotoluene	ND	ug/L 0.5
p-Isopropyltoluene	ND	ug/L 0.5	4-Chlorotoluene	ND	ug/L 0.5
sec-Butylbenzene	ND	ug/L 0.5	4-Methyl-2-Pentanone (MIBK)	ND	ug/L 5.0
Styrene	ND	ug/L 0.5	tert-Butylbenzene	ND	ug/L 0.5
Tetrachloroethene	ND	ug/L 0.5	Toluene	ND	ug/L 0.5
trans-1,2-Dichloroethene	ND	ug/L 0.5	Benzene	ND	ug/L 0.5

Date analyzed / Analyst: 12-05-2000 / HG
 ND = None detected at RL (Reporting Limit). RL units same as result.

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Site:
Description:

Matrix: water

Page: 6
 Lab No.: L77623-007

Date Reported: 12/21/2000

Collected By:
 Date: 11/27/2000
 Time: 1330
 Submitted By: Fed Ex
 Date: 11/28/2000
 Time: 0845

EPA Method 524.2

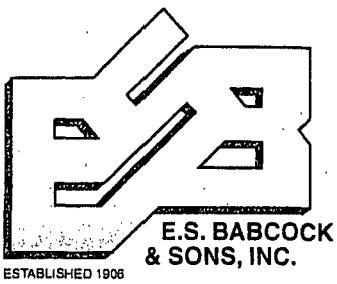
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
trans-1,3-Dichloropropene	ND ug/L	0.5	Bis(2-Chloroethyl)Ether	ND ug/L	5.0
Trichloroethene	ND ug/L	0.5	Bromobenzene	ND ug/L	0.5
Trichlorofluoromethane	ND ug/L	5.0	Bromochloromethane	ND ug/L	0.5
Trichlorotrifluoroethane	ND ug/L	10.	Bromodichloromethane	ND ug/L	0.5
Bromoform	ND ug/L	0.5	Vinyl Chloride	ND ug/L	0.5
Bromomethane	ND ug/L	0.5	Xylenes (m+p)	ND ug/L	0.5
Xylenes (ortho)	ND ug/L	0.5	Carbon Tetrachloride	ND ug/L	0.5
Chlorobenzene	ND ug/L	0.5	1,4-Dioxane	ND ug/L	10.
tert-Amyl Methyl Ether	ND ug/L	3.0	Ethyl tert-Butyl Ether	ND ug/L	3.0
1,2-Dichloroethane-d4	-	-	Toluene-d8	-	-
Surr Percent Recovery:	115. %		Surr Percent Recovery:	82.1 %	
Bromofluorobenzene	-	-			
Surr Percent Recovery:	101. %				

Date analyzed / Analyst: 12-05-2000 / HG
 ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



 ESB Project Reviewer



Environmental Laboratory Certification #1156
6100 Quail Valley Court Riverside, CA 92507-0704
P.O. Box 432 Riverside, CA 92502-0432
PH (909) 653-3351 FAX (909) 653-1662
e-mail: esbsales@aol.com
www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @BENET DR

Site:

Description:

Matrix: water

Page: 7
Lab No.: L77623-007

Date Reported: 12/21/2000

Collected By:

Date: 11/27/2000

Time: 1330

Submitted By: Fed Ex

Date: 11/28/2000

Time: 0845

EPA Method 525.2

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
DEH-Adipate	ND	ug/L 5.0	DEH-Phthalate	ND	ug/L 3.0
Benzo(a)pyrene	ND	ug/L 0.1			

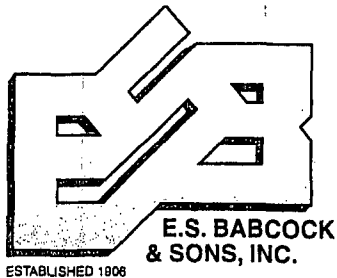
Date analyzed / Analyst: 12-12-2000 / JS

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



ESB Project Reviewer



Environmental Laboratory Certification #1156
 6100 Quail Valley Court Riverside, CA 92507-0704
 P.O. Box 432 Riverside, CA 92502-0432
 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
 www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @BENET DR

Site:
 Description:

Matrix: water

Page: 8
 Lab No.: L77623-007

Date Reported: 12/21/2000

Collected By:

Date: 11/27/2000

Time: 1330

Submitted By: Fed Ex

Date: 11/28/2000

Time: 0845

EPA Method 608

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
4,4'-DDD	ND	ug/L 0.1	Chlordane	ND	ug/L 0.1
4,4'-DDE	ND	ug/L 0.04	d-BHC	ND	ug/L 0.09
4,4'-DDT	ND	ug/L 0.1	Dieldrin	ND	ug/L 0.02
a-BHC	ND	ug/L 0.03	Endosulfan I	ND	ug/L 0.1
Aldrin	ND	ug/L 0.04	Endosulfan II	ND	ug/L 0.04
Aroclor 1016	ND	ug/L 0.5	Endosulfan Sulfate	ND	ug/L 0.7
Aroclor 1221	ND	ug/L 0.5	Endrin	ND	ug/L 0.06
Aroclor 1232	ND	ug/L 0.5	Endrin Aldehyde	ND	ug/L 0.2
Aroclor 1242	ND	ug/L 0.5	Heptachlor	ND	ug/L 0.01
Aroclor 1248	ND	ug/L 0.5	Heptachlor Epoxide	ND	ug/L 0.01
Aroclor 1254	ND	ug/L 0.5	Lindane	ND	ug/L 0.04
Aroclor 1260	ND	ug/L 0.5	Methoxychlor	ND	ug/L 1.8
b-BHC	ND	ug/L 0.06	Toxaphene	ND	ug/L 1.0
BZ-198	-				
Surr Percent Recovery:	62.3	%			

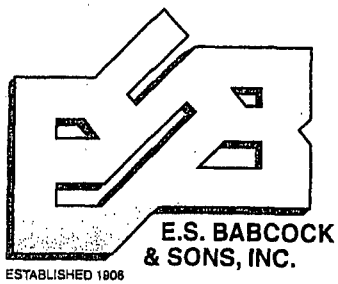
Date analyzed / Analyst: 12-01-2000 / SM

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



 ESB Project Reviewer



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 PH (909) 653-3351 FAX (909) 653-1662
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 www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road
 Oceanside, CA 92054

Client I.D.: SLR RIVER @BENET DR
 Site:
 Description:

Matrix: water

Page: 1 of 2
 Lab No.: L77623-007

Date Reported: 12/21/00

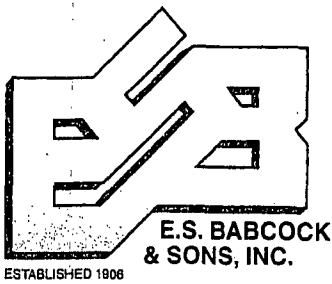
Collected By:
 Date: 11/27/00
 Time: 1330
 Submitted By: Fed Ex
 Date: 11/28/00
 Time: 0845

Constituent	Result	Method	RL	Date / Analyst
Total Hardness	940 mg/L	Calculation	3.	001129/LT
Calcium	210 mg/L	EPA 200.7	1.	001129/LT
Magnesium	100 mg/L	EPA 200.7	1.	001129/LT
Sodium	290 mg/L	EPA 200.7	1.	001129/LT
Ammonia-Nitrogen	ND mg/L	SM4500-NH3 H	0.1	001130/KS
Total Alkalinity	360 mg/L	SM 2320 B	3.	001213/LA
Hydroxide	ND mg/L	SM 2320 B	3.	001213/LA
Carbonate	ND mg/L	SM 2320 B	3.	001213/LA
Bicarbonate	440 mg/L	SM 2320 B	3.	001213/LA
Sulfate	350 mg/L	EPA 300.0	0.5	001212/DU
Chloride	350 mg/L	EPA 300.0	1.	001201/DU
Nitrate-Nitrogen	ND mg/L	EPA 300.0	0.2	001128/DU
Fluoride	0.4 mg/L	SM 4500-FC	0.1	001130/LA
pH	7.9 units	SM 4500-H	-	001212/DU
Specific Conductance	2920 umho/cm	SM 2510	1.0	001212/DU
Total Dissolved Solids	1900 mg/L	SM 2540C	10	001128/RLS
Cyanide	ND mg/L	SM 4500-CN F	0.1	001130/CW
Ortho Phosphate Phosphorus	ND mg/L	SM 4500-PE	0.05	001130/HGA
Total Phosphorus	0.12 mg/L	SM 4500-PB4E	0.05	001206/HGA
Nitrite-Nitrogen	ND mg/L	SM 4500-NO2B	0.1	001129/LA
Kjeldahl Nitrogen	0.5 mg/L	EPA 351.2	0.1	001205/KS
Aggressive Index	13.4 none	Calculation	0.1	001220/SFR
Langelier Index Calculated at 25 C	1.6 none	Calculation	0.1	001220/SFR
Temperature at Lab	25 deg C	SM 2550B	-	001128/MFT
Aluminum	ND mg/L	EPA 200.7	0.05	001129/LT

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Samples analyzed @ 0800 for Orthophosphates.
 Cation/Anion balance verified.

cc:



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Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @BENET DR

Site:
 Description:

Matrix: water

Page: 2 of 2
 Lab No.: L77623-007

Date Reported: 12/21/00

Collected By:

Date: 11/27/00

Time: 1330

Submitted By: Fed Ex

Date: 11/28/00

Time: 0845

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Antimony	ND mg/L	EPA 200.8	0.006	001128/DAV
Arsenic	0.004 mg/L	EPA 200.8	0.002	001128/DAV
Barium	ND mg/L	EPA 200.8	0.1	001128/DAV
Beryllium	ND mg/L	EPA 200.8	0.001	001128/DAV
Cadmium	ND mg/L	EPA 200.8	0.001	001128/DAV
Total Chromium	0.013 mg/L	EPA 200.8	0.001	001128/DAV
Copper	ND mg/L	EPA 200.8	0.01	001128/DAV
Iron	0.44 mg/L	EPA 200.7	0.02	001129/LT
Lead	ND mg/L	EPA 200.8	0.005	001128/DAV
Manganese	0.98 mg/L	EPA 200.8	0.01	001128/DAV
Mercury	ND mg/L	EPA 200.8	0.001	001129/DAV
Nickel	ND mg/L	EPA 200.8	0.01	001128/DAV
Selenium	0.010 mg/L	EPA 200.8	0.005	001128/DAV
Silver	ND mg/L	EPA 200.8	0.01	001129/DAV
Thallium	ND mg/L	EPA 200.8	0.001	001128/DAV
Zinc	0.60 mg/L	EPA 200.8	0.01	001128/DAV

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Samples analyzed @ 0800 for Orthophosphates.
 Cation/Anion balance verified.

cc:

[Signature]

 ESB Project Reviewer



A WATER QUALITY INVENTORY SERIES
BIOLOGICAL AND PHYSICAL/ HABITAT ASSESSMENT OF
CALIFORNIA WATER BODIES

San Diego Regional Water Quality Control Board: 1999 Biological Assessment Annual Report

Report in SD River File

California Department of Fish and Game
Office of Spill Prevention and Response
Water Pollution Control Laboratory
2005 Nimbus Road
Rancho Cordova, CA: 95670
(916) 358-2858; jharring@ospr.dfg.ca.gov

PROGRAM MANAGER
James M. Harrington

PROJECT LEADERS
Peter Ode, Angie Montalvo

LABORATORY AND FIELD TECHNICIANS
Doug Post, Christopher Sheehy, Mike Dawson

City of Oceanside Water Utilities Department Laboratory
 San Luis Rey Wastewater Treatment Plant
 3950 North River Road
 Oceanside, California 92054

SAN DIEGO REGIONAL
 WATER QUALITY
 CONTROL BOARD

phone: 760-966-8772
 fax: 760-966-8770

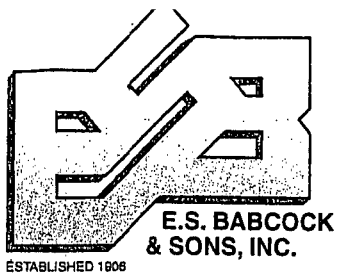
2001 MAY 15 P 12:55

To: E. S. Babcock & Sons

P.O. # 57495

Date: September 19, 2000

Sample Description	Date/Time Sampled	Analyze for:
SLR River @ Benet Rd	19-Sep-00 @ 0909 6-Ltr. 2-nom 2-HCl-V 2-ump-V 1-H ₂ -Q 2-ump-Q	CN, Fluoride, Nitrate, Nitrite, Cl, Alkalinity Corrosivity, Sulfate, TPO ₄ , orthoPO ₄ , Hardness, ec, TDS, Al, Sb, As, Ba, Be, Cd Cr, Cu, Fe, Pb, Mn, Mg, Hg, Ni, Se, Ag, Tl, Zn, Ca, Na, TKN, ammonia EPA 504 - EDB, DBCP EPA 507 - Atrazine, etc EPA 608 - Pest/pcb EPA 515.1 - Cl herbicides EPA 524.2 - VOC EPA 525 - DEHP, DEHA formaldehyde, oil/grease - EPA 1664.
SLR River @ Douglas Dr SLR River @ Bonsall	19-Sep-00 @ 1147 19-Sep-00 @ 1210 2-ump. Q 2-ump. Q, 1, H ₂ S ₄ - 1 Ltr.	analyze both samples for: CN, Fluoride, Nitrate, Nitrite, Cl, Alkalinity Hardness, ec, TDS, Al, Sb, As, Ba, Be, Cd Cr, Cu, Fe, Pb, Mn, Mg, Hg, Ni, Se, Ag, Tl, Zn, Ca, Na, TKN, ammonia Bonsall only for EPA 608 - pest/pcbs
SLR River @ Pacific St	19-Sep-00 @ H ₂ -Q, 1-ump. Q.	NO ₂ , NO ₃ , NH ₄ , TKN, TPO ₄ , O-PO ₄
Relinquished by: <i>Mary Gonzalez</i> (Signature) _____ (Time)	Relinquished by: <i>Fld. Exp</i> (Signature) _____ (Time)	
<i>MARY GONZALES</i> 9/19/00 (Printed name) _____ (Date)	_____ (Printed name) _____ (Date)	
Received by: <i>[Signature]</i> (Signature) _____ (Time)	Received by E. S. Babcock & Sons <i>Karen Tracy</i> (Signature) _____ (Time)	
_____ (Printed name) _____ (Date)	<i>Karen Tracy</i> 092000 (Printed name) _____ (Date)	



Environmental Laboratory Certification #1156
6100 Quail Valley Court Riverside, CA 92507-0704
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e-mail: esbsales@aol.com
www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ PACIFIC

Site:

Description:

Matrix: wastewater

Page: 1 of 1
Lab No.: L74687-004

Date Reported: 10/09/00

Collected By:

Date: 09/19/00

Time: 0000

Submitted By: Fed. Exp.

Date: 09/20/00

Time: 0845

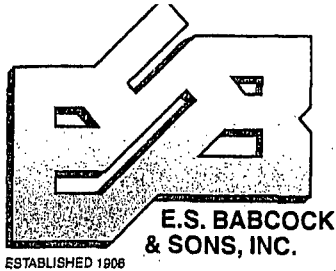
<u>Constituent</u>	<u>Result</u>		<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Ammonia-Nitrogen	ND	mg/L	SM4500-NH3 H	0.1	000927/KS
Nitrate-Nitrogen	1.7	mg/L	EPA 300.0	0.2	000922/MH
Ortho Phosphate Phosphorus	0.22	mg/L	SM 4500-PE	0.05	000921/HGA
Total Phosphorus	0.42	mg/L	SM 4500-PB4E	0.05	000927/HGA
Nitrite-Nitrogen	ND	mg/L	EPA 354.1	0.1	000921/LA
Kjeldahl Nitrogen	0.7	mg/L	EPA 351.2	0.1	000926/KS

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. ANALYZED @0820

cc:


ESB Project Reviewer



Environmental Laboratory Certification #1156
 6100 Quail Valley Court Riverside, CA 92507-0704
 P.O. Box 432 Riverside, CA 92502-0432
 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
 www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road
 Oceanside, CA 92054

Client I.D.: SLR RIVER @ BONSALL
 Site:
 Description:

Matrix: wastewater

Page: 1 of 2
 Lab No.: L74687-003

Date Reported: 10/09/00

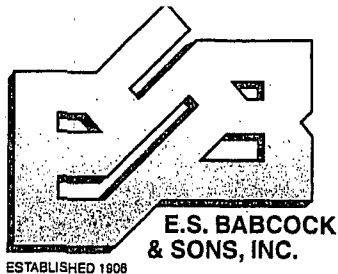
Collected By:
 Date: 09/19/00
 Time: 1210
 Submitted By: Fed.Exp.
 Date: 09/20/00
 Time: 0845

Constituent	Result	Method	RL	Date / Analyst
Total Hardness	920 mg/L	EPA 200.7	3.	000929/LT
Calcium	190 mg/L	EPA 200.7	1.	000929/LT
Magnesium	110 mg/L	EPA 200.7	1.	000929/LT
Sodium	260 mg/L	EPA 200.7	1.	000929/LT
Ammonia-Nitrogen	ND mg/L	SM4500-NH3 H	0.1	000927/KS
Total Alkalinity	330 mg/L	SM 2320 B	3.	000920/LA
Hydroxide	ND mg/L	SM 2320 B	3.	000920/LA
Carbonate	ND mg/L	SM 2320 B	3.	000920/LA
Bicarbonate	400 mg/L	SM 2320 B	3.	000920/LA
Chloride	380 mg/L	EPA 300.0	1.	000925/KOS
Nitrate-Nitrogen	0.4 mg/L	EPA 300.0	0.2	000922/MH
Fluoride	0.5 mg/L	EPA 340.2	0.1	001002/KOS
Specific Conductance	2640 umho/cm	EPA 120.1	1.0	000920/JLB
Total Dissolved Solids	1870 mg/L	EPA 160.1	10	000925/JB
Cyanide	ND mg/L	EPA 335.4	0.01	001002/TF
Ortho Phosphate Phosphorus	ND mg/L	SM 4500-PP	0.05	000921/HGA
Total Phosphorus	0.1 mg/L	SM 4500-PB4E	0.05	000927/HGA
Nitrite-Nitrogen	ND mg/L	EPA 354.1	0.1	000921/LA
Kjeldahl Nitrogen	0.5 mg/L	EPA 351.2	0.1	000926/KS
Aluminum	ND mg/L	EPA 200.7	0.1	000929/LT
Antimony	ND mg/L	EPA 200.8	0.01	000929/DA
Arsenic	ND mg/L	EPA 200.8	0.005	000929/DA
Barium	0.07 mg/L	EPA 200.8	0.02	000929/DA
Beryllium	ND mg/L	EPA 200.8	0.01	000929/DA
Cadmium	ND mg/L	EPA 200.8	0.002	000929/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. ANALYZED @0820

cc:



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PH (909) 653-3351 FAX (909) 653-1662
e-mail: esbsales@aol.com
www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BONSALL

Site:

Description:

Matrix: wastewater

Page: 2 of 2
Lab No.: L74687-003

Date Reported: 10/09/00

Collected By:

Date: 09/19/00

Time: 1210

Submitted By: Fed. Exp.

Date: 09/20/00

Time: 0845

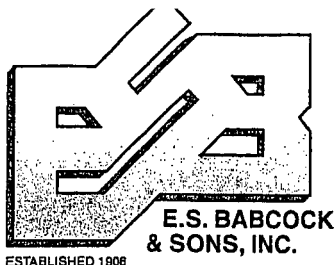
<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Total Chromium	ND mg/L	EPA 200.8	0.02	000929/DA
Copper	ND mg/L	EPA 200.8	0.01	000929/DA
Iron	0.11 mg/L	EPA 200.7	0.02	000929/LT
Lead	ND mg/L	EPA 200.8	0.01	000929/DA
Manganese	0.18 mg/L	EPA 200.8	0.01	000929/DA
Mercury	ND mg/L	EPA 200.8	0.0005	000929/DA
Nickel	ND mg/L	EPA 200.8	0.02	000929/DA
Selenium	0.007 mg/L	EPA 200.8	0.005	000929/DA
Silver	ND mg/L	EPA 200.8	0.01	000929/DA
Thallium	ND mg/L	EPA 200.8	0.2	000929/DA
Zinc	ND mg/L	EPA 200.8	0.01	000929/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. ANALYZED @0820

cc:


ESB Project Reviewer



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 e-mail: esbsales@aol.com
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Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BONSALL

Site:

Description:

Matrix: wastewater

Page: 1
 Lab No.: L74687-003

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 1210

Submitted By: Fed. Exp.

Date: 09/20/2000

Time: 0845

EPA Method 608

Constituent	Result	RL	Constituent	Result	RL
4,4'-DDD	ND	ug/L 0.1	Chlordane	ND	ug/L 0.1
4,4'-DDE	ND	ug/L 0.04	d-BHC	ND	ug/L 0.09
4,4'-DDT	ND	ug/L 0.1	Dieldrin	ND	ug/L 0.02
a-BHC	ND	ug/L 0.03	Endosulfan I	ND	ug/L 0.1
Aldrin	ND	ug/L 0.04	Endosulfan II	ND	ug/L 0.04
Aroclor 1016	ND	ug/L 0.5	Endosulfan Sulfate	ND	ug/L 0.7
Aroclor 1221	ND	ug/L 0.5	Endrin	ND	ug/L 0.06
Aroclor 1232	ND	ug/L 0.5	Endrin Aldehyde	ND	ug/L 0.2
Aroclor 1242	ND	ug/L 0.5	Heptachlor	ND	ug/L 0.01
Aroclor 1248	ND	ug/L 0.5	Heptachlor Epoxide	ND	ug/L 0.01
Aroclor 1254	ND	ug/L 0.5	Lindane	ND	ug/L 0.04
Aroclor 1260	ND	ug/L 0.5	Methoxychlor	ND	ug/L 1.8
b-BHC	ND	ug/L 0.06	Toxaphene	ND	ug/L 1.0

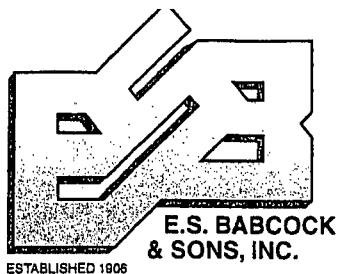
Date analyzed / Analyst: 09-22-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



 ESB Project Reviewer



Environmental Laboratory Certification #1156
 6100 Quail Valley Court Riverside, CA 92507-0704
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 www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ DOUGLAS

Site:
 Description:

Matrix: wastewater

Page: 1 of 2
 Lab No.: L74687-002

Date Reported: 10/09/00

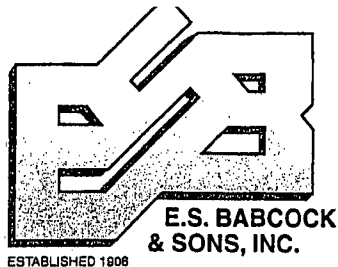
Collected By:
 Date: 09/19/00
 Time: 1147
 Submitted By: Fed.Exp.
 Date: 09/20/00
 Time: 0845

Constituent	Result	Method	RL	Date / Analyst
Total Hardness	840 mg/L	EPA 200.7	3.	000929/LT
Calcium	180 mg/L	EPA 200.7	1.	000929/LT
Magnesium	94. mg/L	EPA 200.7	1.	000929/LT
Sodium	230 mg/L	EPA 200.7	1.	000929/LT
Ammonia-Nitrogen	ND mg/L	SM4500-NH3 H	0.1	000927/KS
Total Alkalinity	320 mg/L	SM 2320 B	3.	000920/LA
Hydroxide	ND mg/L	SM 2320 B	3.	000920/LA
Carbonate	ND mg/L	SM 2320 B	3.	000920/LA
Bicarbonate	390 mg/L	SM 2320 B	3.	000920/LA
Chloride	340 mg/L	EPA 300.0	1.	000925/KOS
Nitrate-Nitrogen	ND mg/L	EPA 300.0	0.2	000922/MH
Fluoride	0.4 mg/L	EPA 340.2	0.1	001002/KOS
Specific Conductance	2330 umho/cm	EPA 120.1	1.0	000920/JLB
Total Dissolved Solids	1680 mg/L	EPA 160.1	10	000925/JB
Cyanide	ND mg/L	EPA 335.4	0.01	000927/TF
Ortho Phosphate Phosphorus	ND mg/L	SM 4500-PE	0.05	000921/HGA
Total Phosphorus	0.18 mg/L	SM 4500-PB4E	0.05	000926/HGA
Nitrite-Nitrogen	ND mg/L	EPA 354.1	0.1	000921/LA
Kjeldahl Nitrogen	0.6 mg/L	EPA 351.2	0.1	000926/KS
Aluminum	0.1 mg/L	EPA 200.7	0.1	000929/LT
Antimony	ND mg/L	EPA 200.8	0.01	000929/DA
Arsenic	ND mg/L	EPA 200.8	0.005	000929/DA
Barium	0.08 mg/L	EPA 200.8	0.02	000929/DA
Beryllium	ND mg/L	EPA 200.8	0.01	000929/DA
Cadmium	ND mg/L	EPA 200.8	0.002	000929/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Ortho-phosphate ANALYZED @0820

cc:



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www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ DOUGLAS

Site:
Description:

Matrix: wastewater

Page: 2 of 2
Lab No.: L74687-002

Date Reported: 10/09/00

Collected By:

Date: 09/19/00

Time: 1147

Submitted By: Fed. Exp.

Date: 09/20/00

Time: 0845

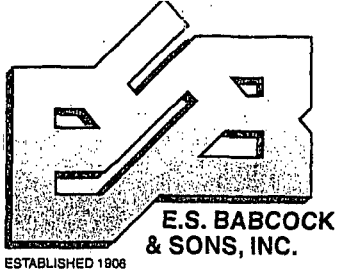
<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Total Chromium	ND mg/L	EPA 200.8	0.02	000929/DA
Copper	ND mg/L	EPA 200.8	0.01	000929/DA
Iron	2.0 mg/L	EPA 200.7	0.02	000929/LT
Lead	ND mg/L	EPA 200.8	0.01	000929/DA
Manganese	1.3 mg/L	EPA 200.8	0.01	000929/DA
Mercury	ND mg/L	EPA 200.8	0.0005	000929/DA
Nickel	ND mg/L	EPA 200.8	0.02	000929/DA
Selenium	0.01 mg/L	EPA 200.8	0.005	000929/DA
Silver	ND mg/L	EPA 200.8	0.01	000929/DA
Thallium	ND mg/L	EPA 200.8	0.2	000929/DA
Zinc	0.05 mg/L	EPA 200.8	0.01	000929/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Ortho-phosphate ANALYZED @0820

cc:

ESB Project Reviewer



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 e-mail: esbsales@aol.com
 www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:
 Description:

Matrix: water

Page: 1 of 2
 Lab No.: L74687-001

Date Reported: 10/09/00

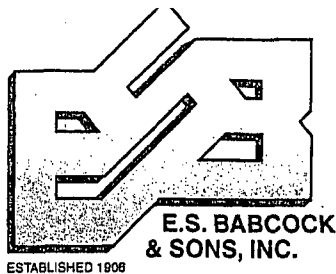
Collected By:
 Date: 09/19/00
 Time: 0909
 Submitted By: Fed. Exp.
 Date: 09/20/00
 Time: 0845

Constituent	Result		Method	RL	Date / Analyst
Total Hardness	1100	mg/L	Calculation	3.	000926/LT
Calcium	230	mg/L	EPA 200.7	1.	000926/LT
Magnesium	120	mg/L	EPA 200.7	1.	000926/LT
Sodium	370	mg/L	EPA 200.7	1.	000926/LT
Total Alkalinity	390	mg/L	SM 2320 B	3.	000920/LA
Hydroxide	ND	mg/L	SM 2320 B	3.	000920/LA
Carbonate	ND	mg/L	SM 2320 B	3.	000920/LA
Bicarbonate	470	mg/L	SM 2320 B	3.	000920/LA
Sulfate	510	mg/L	EPA 300.0	0.5	000925/KOS
Chloride	560	mg/L	EPA 300.0	1.	000925/KOS
Nitrate-Nitrogen	ND	mg/L	EPA 300.0	0.2	000922/MH
Nitrate	ND	mg/L	EPA 300.0	1.	000922/MH
Fluoride	0.4	mg/L	SM 4500-FC	0.1	001002/KOS
pH	7.6	units	SM 4500-H	-	000920/JLB
Specific Conductance	3110	umho/cm	SM 2510	1.0	000920/JLB
Total Dissolved Solids	2100	mg/L	SM 2540C	10	000924/KLT
Cyanide	ND	mg/L	SM 4500-CN F	0.1	000928/CW
Oil & Grease	ND	mg/L	EPA 1664	5.	001001/KLT
Ortho Phosphate Phosphorus	0.1	mg/L	SM 4500-PE	0.05	000921/HGA
Total Phosphorus	0.18	mg/L	SM 4500-PB4E	0.05	000926/HGA
Nitrite-Nitrogen	ND	mg/L	SM 4500-NO2B	0.1	000921/LA
Aggressive Index	13.2	none	Calculation	0.1	001006/SFR
Langelier Index Calculated at 25 C	1.4	none	Calculation	0.1	001006/SFR
Temperature at Lab	25	deg C	SM 2550B	-	000620/GT
Aluminum	ND	mg/L	EPA 200.7	0.05	000926/LT

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Ortho-phosphate ANALYZED @0820

cc:



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 e-mail: esbsales@aol.com
 www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:
 Description:

Matrix: water

Page: 2 of 2
 Lab No.: L74687-001

Date Reported: 10/09/00

Collected By:
 Date: 09/19/00
 Time: 0909
 Submitted By: Fed. Exp.
 Date: 09/20/00
 Time: 0845

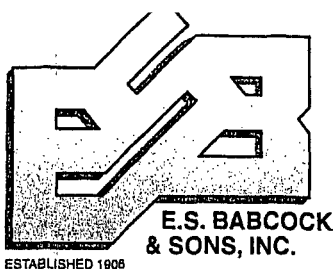
Constituent	Result	Method	RL	Date / Analyst
Antimony	ND mg/L	EPA 200.8	0.006	000928/DA
Arsenic	0.004 mg/L	EPA 200.8	0.002	000928/DA
Barium	ND mg/L	EPA 200.8	0.1	000928/DA
Beryllium	ND mg/L	EPA 200.8	0.001	000928/DA
Cadmium	ND mg/L	EPA 200.8	0.001	000928/DA
Total Chromium	ND mg/L	EPA 200.8	0.01	000928/DA
Copper	ND mg/L	EPA 200.8	0.01	000928/DA
Iron	0.42 mg/L	EPA 200.7	0.02	000926/LT
Lead	ND mg/L	EPA 200.8	0.005	000928/DA
Manganese	0.75 mg/L	EPA 200.8	0.01	000928/DA
Mercury	ND mg/L	EPA 200.8	0.001	000928/DA
Nickel	ND mg/L	EPA 200.8	0.01	000928/DA
Selenium	0.014 mg/L	EPA 200.8	0.005	000928/DA
Silver	ND mg/L	EPA 200.8	0.01	000928/DA
Thallium	ND mg/L	EPA 200.8	0.001	000928/DA
Zinc	ND mg/L	EPA 200.8	0.01	000928/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

Sample analyzed at 8:20 for Nitrite. Ortho-phosphate ANALYZED @0820

cc:

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Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 1
Lab No.: L74687-001

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 0909

Submitted By: Fed. Exp.

Date: 09/20/2000

Time: 0845


HPLC / UV

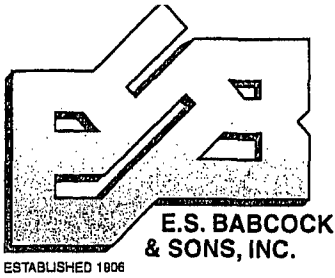
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Formaldehyde	ND	ug/L	150		

Date analyzed / Analyst: 09-28-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:


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Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 2
Lab No.: L74687-001

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 0909

Submitted By: Fed. Exp.

Date: 09/20/2000

Time: 0845

<u>Constituent</u>	EPA 504.1			
	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u> <u>RL</u>
Dibromochloropropane	ND	ug/L 0.01	Ethylene dibromide	ND ug/L 0.02

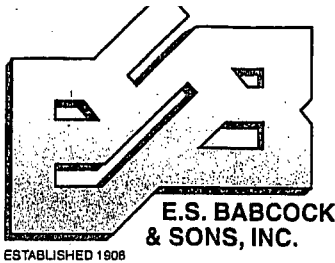
Date analyzed / Analyst: 09-25-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



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Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 3
Lab No.: L74687-001

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 0909

Submitted By: Fed.Exp.

Date: 09/20/2000

Time: 0845

EPA Method 507

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Alachlor	ND ug/L	1.0	Atrazine	ND ug/L	1.0
Bromacil	ND ug/L	1.0	Butachlor	ND ug/L	0.4
Diazinon	ND ug/L	0.3	Dimethoate	ND ug/L	10.
Diuron	ND ug/L	1.0	Metolachlor	ND ug/L	1.0
Metribuzin	ND ug/L	0.2	Molinate	ND ug/L	2.0
Prometryn	ND ug/L	2.0	Simazine	ND ug/L	1.0
Thiobencarb	ND ug/L	1.0			

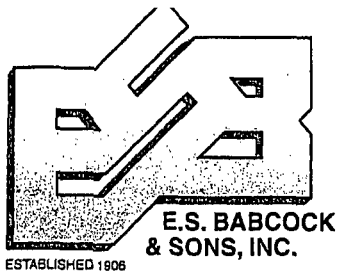
Date analyzed / Analyst: 10/03/2000 / JES

ND = None detected at RL (Reporting Limit). RL units same as result.

CC:



ESB Project Reviewer



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www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 4
Lab No.: L74687-001

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 0909

Submitted By: Fed. Exp.

Date: 09/20/2000

Time: 0845

EPA Method 515.1

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Bentazon	ND ug/L	2.0	2,4-D	ND ug/L	10.
Dicamba	ND ug/L	0.8	Dinoseb	ND ug/L	2.0
Pentachlorophenol	ND ug/L	0.2	Pichloram	ND ug/L	1.0
2,4,5-TP Silvex	ND ug/L	1.0	Dalapon	ND ug/L	10.

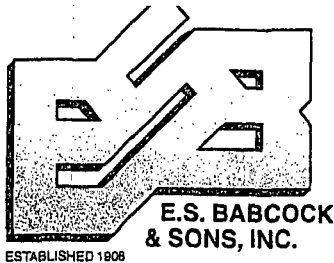
Date analyzed / Analyst: 09-27-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



ESB Project Reviewer



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 6100 Quail Valley Court Riverside, CA 92507-0704
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 PH (909) 653-3351 FAX (909) 653-1662
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Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 5
 Lab No.: L74687-001

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 0909

Submitted By: Fed.Exp.

Date: 09/20/2000

Time: 0845

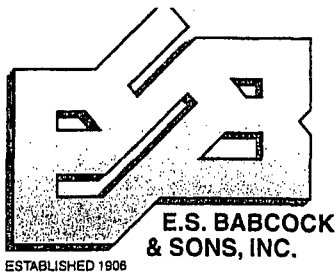
EPA Method 524.2

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
1,1,1,2-Tetrachloroethane	ND ug/L	0.5	Chloroethane	ND ug/L	0.5
1,1,1-Trichloroethane	ND ug/L	0.5	Chloroform	ND ug/L	0.5
1,1,2,2-Tetrachloroethane	ND ug/L	0.5	Chloromethane	ND ug/L	0.5
1,1,2-Trichloroethane	ND ug/L	0.5	cis-1,2-Dichloroethene	ND ug/L	0.5
1,1-Dichloroethane	ND ug/L	0.5	cis-1,3-Dichloropropene	ND ug/L	0.5
1,1-Dichloroethene	ND ug/L	0.5	Dibromochloromethane	ND ug/L	0.5
1,1-Dichloropropene	ND ug/L	0.5	Dibromomethane	ND ug/L	0.5
1,2,3-Trichlorobenzene	ND ug/L	0.5	Dichlorodifluoromethane	ND ug/L	1.0
1,2,3-Trichloropropane	ND ug/L	0.5	1,2,4-Trichlorobenzene	ND ug/L	0.5
1,2,4-Trimethylbenzene	ND ug/L	0.5	Ethylbenzene	ND ug/L	0.5
1,2-Dichlorobenzene	ND ug/L	0.5	Hexachlorobutadiene	ND ug/L	0.5
1,2-Dichloroethane	ND ug/L	0.5	1,2-Dichloropropane	ND ug/L	0.5
1,3,5-Trimethylbenzene	ND ug/L	0.5	Isopropylbenzene	ND ug/L	0.5
1,3-Dichlorobenzene	ND ug/L	0.5	1,3-Dichloropropane	ND ug/L	0.5
Methyl tert Butyl Ether	ND ug/L	3.0	1,4-Dichlorobenzene	ND ug/L	0.5
Methylene Chloride	ND ug/L	0.5	2,2-Dichloropropane	ND ug/L	0.5
Naphthalene	ND ug/L	0.5	2-Butanone (MEK)	ND ug/L	5.0
n-Butylbenzene	ND ug/L	0.5	2-Chloroethylvinyl Ether	ND ug/L	1.0
n-Propylbenzene	ND ug/L	0.5	2-Chlorotoluene	ND ug/L	0.5
p-Isopropyltoluene	ND ug/L	0.5	4-Chlorotoluene	ND ug/L	0.5
sec-Butylbenzene	ND ug/L	0.5	4-Methyl-2-Pentanone (MIBK)	ND ug/L	5.0
Styrene	ND ug/L	0.5	tert-Butylbenzene	ND ug/L	0.5
Tetrachloroethene	ND ug/L	0.5	Toluene	ND ug/L	0.5
trans-1,2-Dichloroethene	ND ug/L	0.5	Benzene	ND ug/L	0.5

Date analyzed / Analyst: 09-27-2000 / HG

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



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e-mail: esbsales@aol.com
www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 6
Lab No.: L74687-001

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 0909

Submitted By: Fed. Exp.

Date: 09/20/2000

Time: 0845

EPA Method 524.2

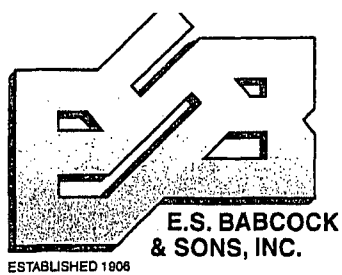
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
trans-1,3-Dichloropropene	ND ug/L	0.5	Bis(2-Chloroethyl) Ether	ND ug/L	5.0
Trichloroethene	ND ug/L	0.5	Bromobenzene	ND ug/L	0.5
Trichlorofluoromethane	ND ug/L	5.0	Bromochloromethane	ND ug/L	0.5
Trichlorotrifluoroethane	ND ug/L	10	Bromodichloromethane	ND ug/L	0.5
Bromoform	ND ug/L	0.5	Vinyl Chloride	ND ug/L	0.5
Bromomethane	ND ug/L	0.5	Xylenes (m+p)	ND ug/L	0.5
Xylenes (ortho)	ND ug/L	0.5	Carbon Tetrachloride	ND ug/L	0.5
Chlorobenzene	ND ug/L	0.5	1,4-Dioxane	ND ug/L	10
tert-Amyl Methyl Ether	ND ug/L	3.0	Ethyl tert-Butyl Ether	ND ug/L	3.0

Date analyzed / Analyst: 09-27-2000 / HG

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:


ESB Project Reviewer



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PH (909) 653-3351 FAX (909) 653-1662
e-mail: esbsales@aol.com
www.babcocklabs.com

Laboratory Results

5697-57495

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 7
Lab No.: L74687-001

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 0909

Submitted By: Fed. Exp.

Date: 09/20/2000

Time: 0845

EPA Method 525.2

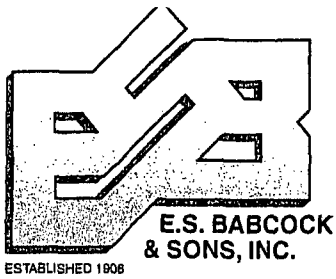
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
DEH-Adipate	ND ug/L	5.0	DEH-Phthalate	ND ug/L	3.0
Benzo(a)pyrene	ND ug/L	0.1			

Date analyzed / Analyst: 10-05-2000 / JS

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

ESB Project Reviewer



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Laboratory Results

5697-57495

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 8
 Lab No.: L74687-001

Date Reported: 10/09/2000

Collected By:

Date: 09/19/2000

Time: 0909

Submitted By: Fed.Exp.

Date: 09/20/2000

Time: 0845

EPA Method 608

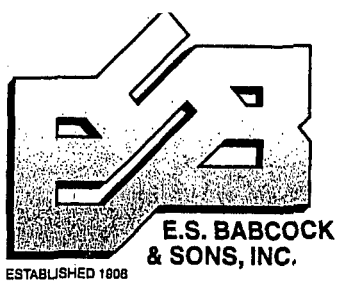
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
4,4'-DDD	ND ug/L	0.1	Chlordane	ND ug/L	0.1
4,4'-DDE	ND ug/L	0.04	d-BHC	ND ug/L	0.09
4,4'-DDT	ND ug/L	0.1	Dieldrin	ND ug/L	0.02
a-BHC	ND ug/L	0.03	Endosulfan I	ND ug/L	0.1
Aldrin	ND ug/L	0.04	Endosulfan II	ND ug/L	0.04
Aroclor 1016	ND ug/L	0.5	Endosulfan Sulfate	ND ug/L	0.7
Aroclor 1221	ND ug/L	0.5	Endrin	ND ug/L	0.06
Aroclor 1232	ND ug/L	0.5	Endrin Aldehyde	ND ug/L	0.2
Aroclor 1242	ND ug/L	0.5	Heptachlor	ND ug/L	0.01
Aroclor 1248	ND ug/L	0.5	Heptachlor Epoxide	ND ug/L	0.01
Aroclor 1254	ND ug/L	0.5	Lindane	ND ug/L	0.04
Aroclor 1260	ND ug/L	0.5	Methoxychlor	ND ug/L	1.8
b-BHC	ND ug/L	0.06	Toxaphene	ND ug/L	1.0

Date analyzed / Analyst: 09-22-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

ESB Project Reviewer



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 www.babcocklabs.com

SAN DIEGO REGIONAL
 WATER QUALITY
 CONTROL BOARD

2001 MAY 15 P 12:55

Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road
 Oceanside, CA 92054

Client I.D.: SLR RIVER A @ BONSALE
 Site: MISSION BASIN
 Description:

Matrix: water

Page: 1 of 2
 Lab No.: L70934-010

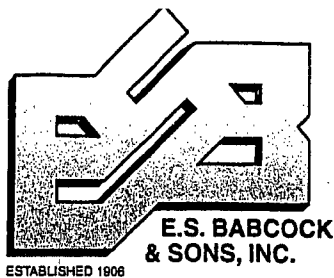
Date Reported: 07/06/00

Collected By: TW
 Date: 06/21/00
 Time: 1210
 Submitted By: Fed. Exp.
 Date: 06/22/00
 Time: 0850

Constituent	Result		Method	RL	Date / Analyst
Total Hardness	880	mg/L	Calculation	3.	000626/LT
Calcium	190	mg/L	EPA 200.7	1.	000626/LT
Magnesium	98.	mg/L	EPA 200.7	1.	000626/LT
Sodium	230	mg/L	EPA 200.7	1.	000626/LT
Total Alkalinity	310	mg/L	SM 2320 B	3.	000623/AEC
Hydroxide	ND	mg/L	SM 2320 B	3.	000623/AEC
Carbonate	ND	mg/L	SM 2320 B	3.	000623/AEC
Bicarbonate	380	mg/L	SM 2320 B	3.	000623/AEC
Sulfate	480	mg/L	EPA 300.0	0.5	000623/KOS
Chloride	→ 330	mg/L	EPA 300.0	1.	000623/KOS
Nitrate	2.	mg/L	EPA 300.0	1.	000622/FRY
Fluoride	0.5	mg/L	SM 4500-FC	0.1	000628/LA
pH	8.2	units	SM 4500-H	-	000622/KOS
Specific Conductance	2320	umho/cm	SM 2510	1.0	000622/KOS
Total Dissolved Solids	1840	mg/L	SM 2540C	10	000628/AEC
Cyanide	ND	mg/L	SM 4500-CN F	0.1	000628/TF
Nitrite-Nitrogen	ND	mg/L	SM 4500-NO2B	0.1	000623/AEC
Aggressive Index	13.6	none	Calculation	0.1	000705/SFR
Langelier Index Calculated at 25 C	1.8	none	Calculation	0.1	000705/SFR
Temperature at Lab	25.	deg C	SM 2550B	-	000622/MFT
Aluminum	ND	mg/L	EPA 200.7	0.05	000626/LT
Antimony	ND	mg/L	EPA 200.8	0.006	000626/DA
Arsenic	0.003	mg/L	EPA 200.8	0.002	000626/DA
Barium	ND	mg/L	EPA 200.8	0.1	000626/DA
Beryllium	ND	mg/L	EPA 200.8	0.001	000626/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD



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 www.babcocklabs.com

Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER A @ BONSAL

Site: MISSION BASIN

Description:

Matrix: water

Page: 2 of 2
 Lab No.: L70934-010

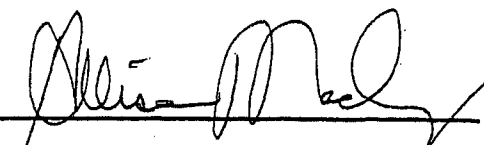
Date Reported: 07/06/00

Collected By: TW
 Date: 06/21/00
 Time: 1210
 Submitted By: Fed.Exp.
 Date: 06/22/00
 Time: 0850

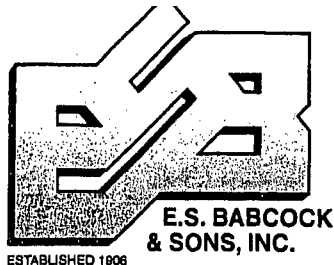
<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Cadmium	ND mg/L	EPA 200.8	0.001	000626/DA
Total Chromium	ND mg/L	EPA 200.8	0.01	000626/DA
Copper	ND mg/L	EPA 200.8	0.01	000626/DA
Iron	0.07 mg/L	EPA 200.7	0.02	000626/LT
Lead	ND mg/L	EPA 200.8	0.005	000626/DA
Manganese	0.59 mg/L	EPA 200.8	0.01	000626/DA
Mercury	ND mg/L	EPA 200.8	0.001	000626/DA
Nickel	ND mg/L	EPA 200.8	0.01	000626/DA
Selenium	0.005 mg/L	EPA 200.8	0.005	000626/DA
Silver	ND mg/L	EPA 200.8	0.01	000626/DA
Thallium	ND mg/L	EPA 200.8	0.001	000626/DA
Zinc	ND mg/L	EPA 200.8	0.01	000626/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD



 ESB Project Reviewer



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Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ DOUGLAS

Site: MISSION BASIN

Description:

Matrix: water

Page: 1 of 2
 Lab No.: L70934-009

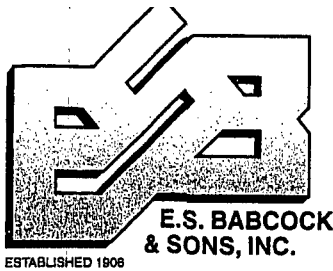
Date Reported: 07/06/00

Collected By: TW
 Date: 06/21/00
 Time: 1147
 Submitted By: Fed. Exp.
 Date: 06/22/00
 Time: 0850

Constituent	Result	Method	RL	Date / Analyst
Total Hardness	810 mg/L	Calculation	3.	000626/LT
Calcium	180 mg/L	EPA 200.7	1.	000626/LT
Magnesium	90 mg/L	EPA 200.7	1.	000626/LT
Sodium	240 mg/L	EPA 200.7	1.	000626/LT
Total Alkalinity	270 mg/L	SM 2320 B	3.	000623/AEC
Hydroxide	ND mg/L	SM 2320 B	3.	000623/AEC
Carbonate	ND mg/L	SM 2320 B	3.	000623/AEC
Bicarbonate	330 mg/L	SM 2320 B	3.	000623/AEC
Sulfate	390 mg/L	EPA 300.0	0.5	000623/KOS
Chloride	360 mg/L	EPA 300.0	1.	000623/KOS
Nitrate	ND mg/L	EPA 300.0	1.	000622/FRY
Fluoride	0.4 mg/L	SM 4500-FC	0.1	000628/LA
pH	8.3 units	SM 4500-H	-	000622/KOS
Specific Conductance	2220 umho/cm	SM 2510	1.0	000622/KOS
Total Dissolved Solids	1660 mg/L	SM 2540C	10	000628/AEC
Cyanide	ND mg/L	SM 4500-CN F	0.1	000628/TF
Nitrite-Nitrogen	ND mg/L	SM 4500-NO2B	0.1	000623/AEC
Aggressive Index	13.6 none	Calculation	0.1	000705/SFR
Langelier Index Calculated at 25 C	1.8 none	Calculation	0.1	000705/SFR
Temperature at Lab	25 deg C	SM 2550B	-	000622/MFT
Aluminum	ND mg/L	EPA 200.7	0.05	000626/LT
Antimony	ND mg/L	EPA 200.8	0.005	000626/DA
Arsenic	0.003 mg/L	EPA 200.8	0.002	000626/DA
Barium	ND mg/L	EPA 200.8	0.1	000626/DA
Beryllium	ND mg/L	EPA 200.8	0.001	000626/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD



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Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

 Oceanside, CA 92054

Client I.D.: SLR RIVER @ DOUGLAS
Site: MISSION BASIN
Description:

Matrix: water

Page: 2 of 2
 Lab No.: L70934-009

Date Reported: 07/06/00

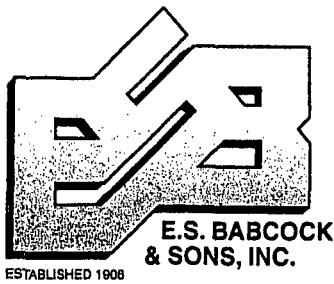
Collected By: TW
 Date: 06/21/00
 Time: 1147
 Submitted By: Fed. Exp.
 Date: 06/22/00
 Time: 0850

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Cadmium	ND mg/L	EPA 200.8	0.001	000626/DA
Total Chromium	ND mg/L	EPA 200.8	0.01	000626/DA
Copper	ND mg/L	EPA 200.8	0.01	000626/DA
Iron	ND mg/L	EPA 200.7	0.02	000626/LT
Lead	ND mg/L	EPA 200.8	0.005	000626/DA
Manganese	0.02 mg/L	EPA 200.8	0.01	000626/DA
Mercury	ND mg/L	EPA 200.8	0.001	000630/DA
Nickel	ND mg/L	EPA 200.8	0.01	000626/DA
Selenium	0.007 mg/L	EPA 200.8	0.005	000626/DA
Silver	ND mg/L	EPA 200.8	0.01	000626/DA
Thallium	ND mg/L	EPA 200.8	0.001	000626/DA
Zinc	ND mg/L	EPA 200.8	0.01	000626/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD

 ESB Project Reviewer



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Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

 Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD
Site: MISSION BASIN
Description:

Matrix: water

Page: 1 of 2
 Lab No.: L70934-011

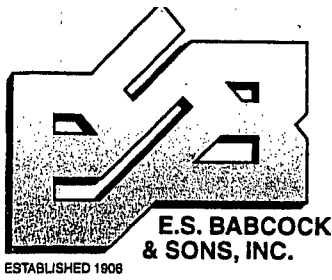
Date Reported: 07/06/00

Collected By: TW
Date: 06/21/00
Time: 0909
Submitted By: Fed.Exp.
Date: 06/22/00
Time: 0850

<u>Constituent</u>	<u>Result</u>		<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Total Hardness	850	mg/L	Calculation	3.	000626/LT
Calcium	190	mg/L	EPA 200.7	1.	000626/LT
Magnesium	91.	mg/L	EPA 200.7	1.	000626/LT
Sodium	260	mg/L	EPA 200.7	1.	000626/LT
Total Alkalinity	310	mg/L	SM 2320 B	3.	000623/AEC
Hydroxide	ND	mg/L	SM 2320 B	3.	000623/AEC
Carbonate	ND	mg/L	SM 2320 B	3.	000623/AEC
Bicarbonate	380	mg/L	SM 2320 B	3.	000623/AEC
Sulfate	420	mg/L	EPA 300.0	0.5	000623/KOS
Chloride	410	mg/L	EPA 300.0	1.	000623/KOS
Nitrate	2.	mg/L	EPA 300.0	1.	000622/FRY
Fluoride	0.4	mg/L	SM 4500-FC	0.1	000628/LA
pH	7.9	units	SM 4500-H	-	000622/KOS
Specific Conductance	2440	umho/cm	SM 2510	1.0	000622/KOS
Total Dissolved Solids	1800	mg/L	SM 2540C	10	000628/AEC
Cyanide	ND	mg/L	SM 4500-CN F	0.1	000628/TF
Nitrite-Nitrogen	ND	mg/L	SM 4500-NO2B	0.1	000623/AEC
Aggressive Index	13.3	none	Calculation	0.1	000705/SFR
Langelier Index Calculated at 25 C	1.5	none	Calculation	0.1	000705/SFR
Temperature at Lab	25.	deg C	SM 2550B	-	000622/MFT
Aluminum	ND	mg/L	EPA 200.7	0.05	000626/LT
Antimony	ND	mg/L	EPA 200.8	0.006	000626/DA
Arsenic	0.004	mg/L	EPA 200.8	0.002	000626/DA
Barium	ND	mg/L	EPA 200.8	0.1	000626/DA
Beryllium	ND	mg/L	EPA 200.8	0.001	000626/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD



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 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
 www.babcocklabs.com

Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

 Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD
Site: MISSION BASIN
Description:

Matrix: water

Page: 2 of 2
 Lab No.: L70934-011

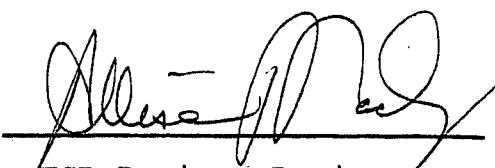
Date Reported: 07/06/00

Collected By: TW
Date: 06/21/00
Time: 0909
Submitted By: Fed.Exp.
Date: 06/22/00
Time: 0850

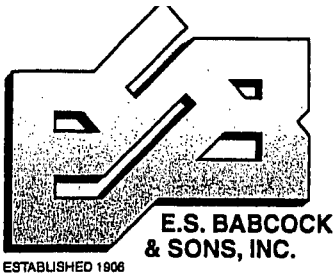
<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Cadmium	ND mg/L	EPA 200.8	0.001	000626/DA
Total Chromium	ND mg/L	EPA 200.8	0.01	000626/DA
Copper	ND mg/L	EPA 200.8	0.01	000626/DA
Iron	0.21 mg/L	EPA 200.7	0.02	000626/LT
Lead	ND mg/L	EPA 200.8	0.005	000626/DA
Manganese	0.52 mg/L	EPA 200.8	0.01	000626/DA
Mercury	ND mg/L	EPA 200.8	0.001	000626/DA
Nickel	ND mg/L	EPA 200.8	0.01	000626/DA
Selenium	0.009 mg/L	EPA 200.8	0.005	000626/DA
Silver	ND mg/L	EPA 200.8	0.01	000626/DA
Thallium	ND mg/L	EPA 200.8	0.001	000626/DA
Zinc	ND mg/L	EPA 200.8	0.01	000626/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD



 ESB Project Reviewer



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Laboratory Results

5697-57297

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD
Site: MISSION BASIN
Description:

Matrix: water

Page: 1
Lab No.: L70934-011

Date Reported: 07/06/2000

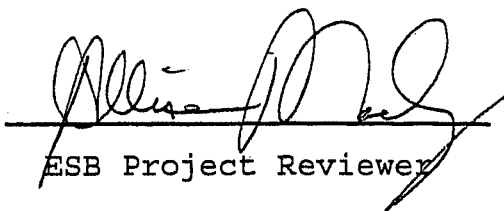
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Time: 0909
Submitted By: Fed.Exp.
Date: 06/22/2000
Time: 0850

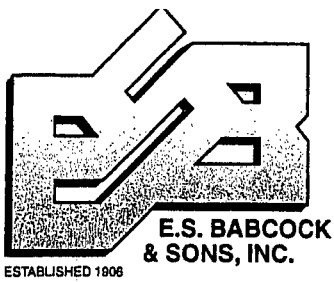
<u>Constituent</u>	<u>Result</u>	<u>EPA 504.1</u>		<u>Constituent</u>	<u>Result</u>	<u>RL</u>
		<u>RL</u>	<u>Constituent</u>			
Dibromochloropropane	ND ug/L	0.01	Ethylene dibromide	ND	ug/L	0.02

Date analyzed / Analyst: 06-28-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD


ESB Project Reviewer



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Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD
 Site: MISSION BASIN
 Description:

Matrix: water

Page: 2
 Lab No.: L70934-011

Date Reported: 07/06/2000

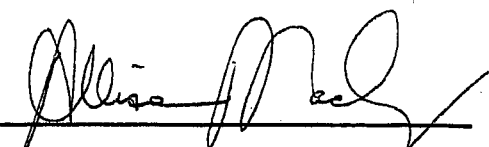
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 Time: 0909
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 Date: 06/22/2000
 Time: 0850

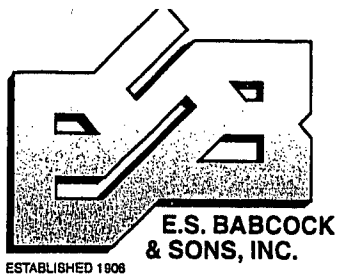
EPA Method 507

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Alachlor	ND ug/L	1.0	Atrazine	ND ug/L	1.0
Bromacil	ND ug/L	10	Butachlor	ND ug/L	0.4
Diazinon	ND ug/L	0.3	Dimethoate	ND ug/L	10.
Diuron	ND ug/L	1.0	Metolachlor	ND ug/L	1.0
Metribuzin	ND ug/L	0.2	Molinate	ND ug/L	2.0
Prometryn	ND ug/L	2.0	Simazine	ND ug/L	1.0
Thiobencarb	ND ug/L	1.0			

Date analyzed / Analyst: 06-27-2000 / DI
 ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD


 Allison McElroy
 ESB Project Reviewer



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 e-mail: esbsales@aol.com
 www.babcocklabs.com

Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site: MISSION BASIN

Description:

Matrix: water

Page: 3
 Lab No.: L70934-011

Date Reported: 07/06/2000

Collected By: TW
Date: 06/21/2000
Time: 0909
Submitted By: Fed.Exp.
Date: 06/22/2000
Time: 0850

EPA Method 515.1

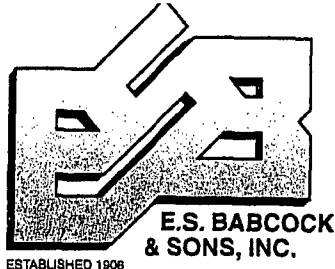
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Bentazon	ND ug/L	2.0	2,4-D	ND ug/L	10.
Dicamba	ND ug/L	0.8	Dinoseb	ND ug/L	2.0
Pentachlorophenol	ND ug/L	0.2	Pichloram	ND ug/L	1.0
2,4,5-TP Silvex	ND ug/L	1.0	Dalapon	ND ug/L	10.

Date analyzed / Analyst: 06-29-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD

 ESB Project Reviewer



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 e-mail: esbsales@aol.com
 www.babcocklabs.com

Laboratory Results

5697-57297

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site: MISSION BASIN

Description:

Matrix: water

Page: 4
 Lab No.: L70934-011

Date Reported: 07/06/2000

Collected By: TW

Date: 06/21/2000

Time: 0909

Submitted By: Fed.Exp.

Date: 06/22/2000

Time: 0850

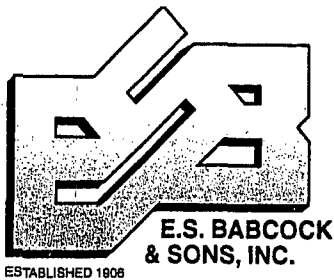
EPA Method 524.2

Constituent	Result	RL	Constituent	Result	RL
1,1,1,2-Tetrachloroethane	ND	ug/L 0.5	Chloroethane	ND	ug/L 0.5
1,1,1-Trichloroethane	ND	ug/L 0.5	Chloroform	ND	ug/L 0.5
1,1,2,2-Tetrachloroethane	ND	ug/L 0.5	Chloromethane	ND	ug/L 0.5
1,1,2-Trichloroethane	ND	ug/L 0.5	cis-1,2-Dichloroethene	ND	ug/L 0.5
1,1-Dichloroethane	ND	ug/L 0.5	cis-1,3-Dichloropropene	ND	ug/L 0.5
1,1-Dichloropropene	ND	ug/L 0.5	Dibromochloromethane	ND	ug/L 0.5
1,2,3-Trichlorobenzene	ND	ug/L 0.5	Dibromomethane	ND	ug/L 0.5
1,2,3-Trichloropropane	ND	ug/L 0.5	Dichlorodifluoromethane	ND	ug/L 1.0
1,2,4-Trimethylbenzene	ND	ug/L 0.5	1,2,4-Trichlorobenzene	ND	ug/L 0.5
1,2-Dichlorobenzene	ND	ug/L 0.5	Ethylbenzene	ND	ug/L 0.5
1,2-Dichloroethane	ND	ug/L 0.5	Hexachlorobutadiene	ND	ug/L 0.5
1,3,5-Trimethylbenzene	ND	ug/L 0.5	1,2-Dichloropropane	ND	ug/L 0.5
1,3-Dichlorobenzene	ND	ug/L 0.5	Isopropylbenzene	ND	ug/L 0.5
Methyl tert Butyl Ether	ND	ug/L 3.0	1,3-Dichloropropane	ND	ug/L 0.5
Methylene Chloride	ND	ug/L 0.5	1,4-Dichlorobenzene	ND	ug/L 0.5
Naphthalene	ND	ug/L 0.5	2,2-Dichloropropane	ND	ug/L 0.5
n-Butylbenzene	ND	ug/L 0.5	2-Butanone (MEK)	ND	ug/L 5.0
n-Propylbenzene	ND	ug/L 0.5	2-Chloroethylvinyl Ether	ND	ug/L 1.0
p-Isopropyltoluene	ND	ug/L 0.5	2-Chlorotoluene	ND	ug/L 0.5
sec-Butylbenzene	ND	ug/L 0.5	4-Chlorotoluene	ND	ug/L 0.5
Styrene	ND	ug/L 0.5	4-Methyl-2-Pentanone (MIBK)	ND	ug/L 5.0
Tetrachloroethene	ND	ug/L 0.5	tert-Butylbenzene	ND	ug/L 0.5
trans-1,2-Dichloroethene	ND	ug/L 0.5	Toluene	ND	ug/L 0.5
			Benzene	ND	ug/L 0.5

Date analyzed / Analyst: 06-29-2000 / HG

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD



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e-mail: esbsales@aol.com
www.babcocklabs.com

Laboratory Results

5697-57297

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD
Site: MISSION BASIN
Description:

Matrix: water

Page: 5
Lab No.: L70934-011

Date Reported: 07/06/2000

Collected By: TW
Date: 06/21/2000
Time: 0909
Submitted By: Fed. Exp.
Date: 06/22/2000
Time: 0850

EPA Method 524.2

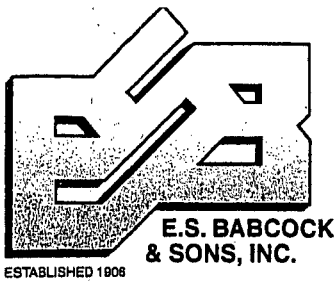
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
trans-1,3-Dichloropropene	ND ug/L	0.5	Bis(2-Chloroethyl) Ether	ND ug/L	5.0
Trichloroethene	ND ug/L	0.5	Bromobenzene	ND ug/L	0.5
Trichlorofluoromethane	ND ug/L	5.0	Bromochloromethane	ND ug/L	0.5
Trichlorotrifluoroethane	ND ug/L	10.	Bromodichloromethane	ND ug/L	0.5
Bromoform	ND ug/L	0.5	Vinyl Chloride	ND ug/L	0.5
Bromomethane	ND ug/L	0.5	Xylenes (m+p)	ND ug/L	0.5
Xylenes (ortho)	ND ug/L	0.5	Carbon Tetrachloride	ND ug/L	0.5
Chlorobenzene	ND ug/L	0.5	1,4-Dioxane	ND ug/L	10.
tert-Amyl Methyl Ether	ND ug/L	3.0	Ethyl tert-Butyl Ether	ND ug/L	3.0

Date analyzed / Analyst: 06-29-2000 / HG

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD

ESB Project Reviewer



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Laboratory Results

5697-57297

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site: MISSION BASIN

Description:

Matrix: water

Page: 6
Lab No.: L70934-011

Date Reported: 07/06/2000

Collected By: TW

Date: 06/21/2000

Time: 0909

Submitted By: Fed.Exp.

Date: 06/22/2000

Time: 0850

EPA Method 525.2

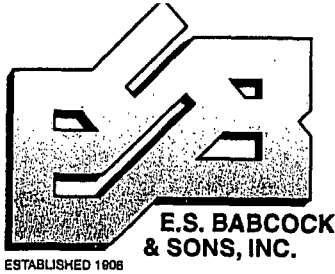
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
DEH-Adipate	ND ug/L	5.0	DEH-Phthalate	ND ug/L	3.0

Date analyzed / Analyst: 06-30-2000 / JS

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD

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Laboratory Results

5697-57297

Client:
 City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD
 Site: MISSION BASIN
 Description:

Matrix: water

Page: 7
 Lab No.: L70934-011

Date Reported: 07/06/2000

Collected By: TW
 Date: 06/21/2000
 Time: 0909
 Submitted By: Fed. Exp.
 Date: 06/22/2000
 Time: 0850

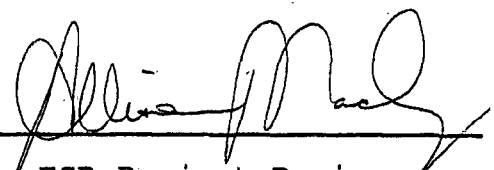
EPA Method 608

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
4,4'-DDD	ND ug/L	0.1	Chlordane	ND ug/L	0.1
4,4'-DDE	0.2 ug/L	0.04	d-BHC	ND ug/L	0.09
4,4'-DDT	1.6 ug/L	0.1	Dieldrin	ND ug/L	0.02
a-BHC	ND ug/L	0.03	Endosulfan I	ND ug/L	0.1
Aldrin	ND ug/L	0.04	Endosulfan II	ND ug/L	0.04
Aroclor 1016	ND ug/L	0.5	Endosulfan Sulfate	ND ug/L	0.7
Aroclor 1221	ND ug/L	0.5	Endrin	ND ug/L	0.06
Aroclor 1232	ND ug/L	0.5	Endrin Aldehyde	ND ug/L	0.2
Aroclor 1242	ND ug/L	0.5	Heptachlor	ND ug/L	0.01
Aroclor 1248	ND ug/L	0.5	Heptachlor Epoxide	ND ug/L	0.01
Aroclor 1254	ND ug/L	0.5	Lindane	ND ug/L	0.04
Aroclor 1260	ND ug/L	0.5	Methoxychlor	ND ug/L	1.8
b-BHC	ND ug/L	0.06	Toxaphene	ND ug/L	1.0

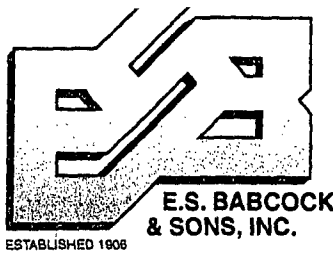
Date analyzed / Analyst: 06-26-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD



 ESB Project Reviewer



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5697-56984

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

 Oceanside, CA 92054

Client I.D.: SLR RIVER @ DOUGLAS
Site:
Description:

Matrix: water

Page: 1 of 2
 Lab No.: L66964-010

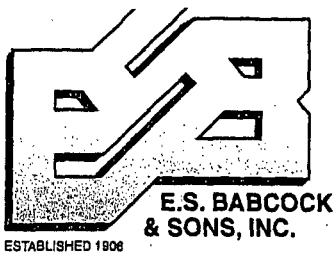
Date Reported: 04/07/00

Collected By: ORR
Date: 03/15/00
Time: 1230
Submitted By: Fed.Exp.
Date: 03/16/00
Time: 0830

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Total Hardness	760 mg/L	Calculation	3.	000317/LT
Calcium	160 mg/L	EPA 200.7	1.	000406/LT
Magnesium	88. mg/L	EPA 200.7	1.	000406/LT
Sodium	200 mg/L	EPA 200.7	1.	000406/LT
Total Alkalinity	260 mg/L	SM 2320 B	3.	000317/LA
Hydroxide	ND mg/L	SM 2320 B	3.	000317/LA
Carbonate	11. mg/L	SM 2320 B	3.	000317/LA
Bicarbonate	300 mg/L	SM 2320 B	3.	000317/LA
Sulfate	450 mg/L	EPA 300.0	0.5	000317/KOS
Chloride	310 mg/L	EPA 300.0	1.	000317/KOS
Nitrate	7. mg/L	EPA 300.0	1.	000316/RK
Fluoride	0.4 mg/L	SM 4500-FC	0.1	000322/LA
pH	8.5 units	SM 4500-H	1.	000316/DU
Specific Conductance	2260 umho/cm	SM 2510	1.0	000316/DU
Total Dissolved Solids	1530 mg/L	SM 2540C	10	000320/HGA
Cyanide	ND mg/L	SM 4500-CN F	0.1	000321/TF
Nitrite-Nitrogen	ND mg/L	SM 4500-NO2B	0.1	000316/TF
Aggressive Index	13.8 none	Calculation	0.1	000330/SFR
Langelier Index Calculated at 25 C	2.0 none	Calculation	0.1	000330/SFR
Temperature at Lab	25. deg C	SM 2550B	-	000316/GT
Aluminum	ND mg/L	EPA 200.7	0.05	000317/LT
Antimony	ND mg/L	EPA 200.8	0.006	000328/DA
Arsenic	0.003 mg/L	EPA 200.8	0.002	000328/DA
Barium	ND mg/L	EPA 200.8	0.1	000328/DA
Beryllium	ND mg/L	EPA 200.8	0.001	000328/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: '



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ESTABLISHED 1906

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www.babcocklabs.com

5697-56984

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ DOUGLAS

Site:

Description:

Matrix: water

Page: 2 of 2
Lab No.: L66964-010

Date Reported: 04/07/00

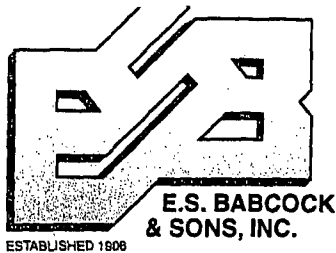
Collected By: ORR
Date: 03/15/00
Time: 1230
Submitted By: Fed. Exp.
Date: 03/16/00
Time: 0830

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Cadmium	ND mg/L	EPA 200.8	0.001	000328/DA
Total Chromium	ND mg/L	EPA 200.8	0.01	000328/DA
Copper	ND mg/L	EPA 200.8	0.01	000328/DA
Iron	0.06 mg/L	EPA 200.7	0.02	000317/LT
Lead	ND mg/L	EPA 200.8	0.005	000328/DA
Manganese	0.04 mg/L	EPA 200.8	0.01	000328/DA
Mercury	ND mg/L	EPA 200.8	0.001	000328/DA
Nickel	ND mg/L	EPA 200.8	0.01	000328/DA
Selenium	0.008 mg/L	EPA 200.8	0.005	000328/DA
Silver	ND mg/L	EPA 200.8	0.01	000328/DA
Thallium	ND mg/L	EPA 200.8	0.001	000328/DA
Zinc	ND mg/L	EPA 200.8	0.01	000328/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

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5697-56984

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 1 of 2
 Lab No.: L66964-008

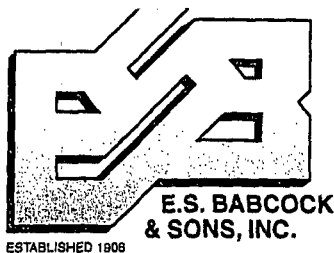
Date Reported: 04/07/00

Collected By: ORR
Date: 03/15/00
Time: 1200
Submitted By: Fed.Exp.
Date: 03/16/00
Time: 0830

<u>Constituent</u>	<u>Result</u>		<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Total Hardness	760	mg/L	Calculation	3.	000317/LT
Calcium	160	mg/L	EPA 200.7	1.	000406/LT
Magnesium	83.	mg/L	EPA 200.7	1.	000317/LT
Sodium	210	mg/L	EPA 200.7	1.	000406/LT
Total Alkalinity	270	mg/L	SM 2320 B	3.	000317/LA
Hydroxide	ND	mg/L	SM 2320 B	3.	000317/LA
Carbonate	ND	mg/L	SM 2320 B	3.	000317/LA
Bicarbonate	330	mg/L	SM 2320 B	3.	000317/LA
Sulfate	430	mg/L	EPA 300.0	0.5	000317/KOS
Chloride	320	mg/L	EPA 300.0	1.	000317/KOS
Nitrate	6.	mg/L	EPA 300.0	1.	000316/RK
Fluoride	0.4	mg/L	SM 4500-FC	0.1	000322/LA
pH	8.0	units	SM 4500-H	1.	000316/DU
Specific Conductance	2340	umho/cm	SM 2510	1.0	000316/DU
Total Dissolved Solids	1540	mg/L	SM 2540C	10	000320/HGA
Cyanide	ND	mg/L	SM 4500-CN F	0.1	000321/TF
Nitrite-Nitrogen	ND	mg/L	SM 4500-NO2B	0.1	000316/TF
Color	20.	units	SM 2120B	3.	000317/LA
Odor	ND	TON	SM 2150	1.	000317/LA
Turbidity	0.90	NTU	SM 2130	0.05	000317/LA
Aggressive Index	13.3	none	Calculation	0.1	000330/SFR
Langelier Index Calculated at 25 C	1.5	none	Calculation	0.1	000330/SFR
Temperature at Lab	25.	deg C	SM 2550B	-	000316/GT
Aluminum	ND	mg/L	EPA 200.7	0.05	000317/LT
Antimony	ND	mg/L	EPA 200.8	0.006	000328/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:



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 www.babcocklabs.com

5697-56984

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:
Description:

Matrix: water

Page: 2 of 2
 Lab No.: L66964-008

Date Reported: 04/07/00

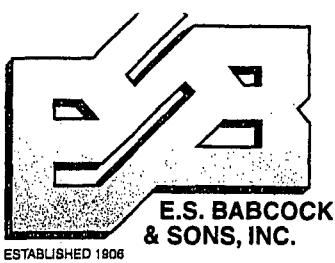
Collected By: ORR
Date: 03/15/00
Time: 1200
Submitted By: Fed. Exp.
Date: 03/16/00
Time: 0830

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Arsenic	0.004 mg/L	EPA 200.8	0.002	000328/DA
Barium	ND	EPA 200.8	0.1	000328/DA
Cadmium	ND	EPA 200.8	0.001	000328/DA
Total Chromium	ND	EPA 200.8	0.01	000328/DA
Copper	0.01 mg/L	EPA 200.8	0.01	000328/DA
Iron	OK 0.06 mg/L	EPA 200.7	0.02	000317/LT
Lead	ND	EPA 200.8	0.005	000328/DA
Manganese	0.05 mg/L	EPA 200.8	0.01	000328/DA
Mercury	ND	EPA 200.8	0.001	000328/DA
Nickel	ND	EPA 200.8	0.01	000328/DA
Selenium	0.009 mg/L	EPA 200.8	0.005	000328/DA
Silver	ND	EPA 200.8	0.01	000328/DA
Thallium	ND	EPA 200.8	0.001	000328/DA
Zinc	0.02 mg/L	EPA 200.8	0.01	000328/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

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5697-56984.

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 1
Lab No.: L66964-008

Date Reported: 04/07/2000

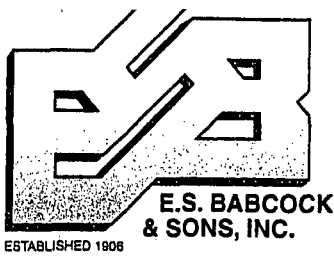
Collected By: ORR
Date: 03/15/2000
Time: 1200
Submitted By: Fed.Exp.
Date: 03/16/2000
Time: 0830

<u>Constituent</u>	EPA 504.1		<u>Constituent</u>		
	<u>Result</u>	<u>RL</u>		<u>Result</u>	<u>RL</u>
Dibromochloropropane	ND	ug/L 0.01	Ethylene dibromide	ND	ug/L 0.02

Date analyzed / Analyst: 03-23-2000 / SML
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: '

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5697-56984

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 2
Lab No.: L66964-008

Date Reported: 04/07/2000

Collected By: ORR

Date: 03/15/2000

Time: 1200

Submitted By: Fed.Exp.

Date: 03/16/2000

Time: 0830

EPA Method 507

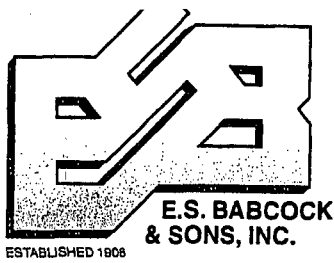
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Alachlor	ND ug/L	1.0	Atrazine	ND ug/L	1.0
Bromacil	ND ug/L	1.0	Butachlor	ND ug/L	0.4
Diazinon	ND ug/L	0.3	Dimethoate	ND ug/L	10.
Diuron	ND ug/L	1.0	Metolachlor	ND ug/L	1.0
Metribuzin	ND ug/L	0.2	Molinate	ND ug/L	2.0
Prometryn	ND ug/L	2.0	Simazine	ND ug/L	1.0
Thiobencarb	ND ug/L	1.0			

Date analyzed / Analyst: 03-28-2000 / DI

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

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5697-56984

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 3
Lab No.: L66964-008

Date Reported: 04/07/2000

Collected By: ORR
Date: 03/15/2000
Time: 1200
Submitted By: Fed.Exp.
Date: 03/16/2000
Time: 0830

EPA Method 515.1

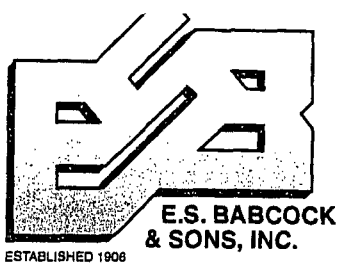
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Bentazon	ND ug/L	2.0	2,4-D	ND ug/L	10.
Dicamba	ND ug/L	0.8	Dinoseb	ND ug/L	2.0
Pentachlorophenol	ND ug/L	0.2	Picloram	ND ug/L	1.0
2,4,5-TP Silvex	ND ug/L	1.0	Dalapon	ND ug/L	10.

Date analyzed / Analyst: 03-23-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: '

E. S. Babcock & Sons Inc.



Environmental Laboratory Certification #1156
 6100 Quail Valley Court Riverside, CA 92507-0704
 P.O. Box 432 Riverside, CA 92502-0432
 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
 www.babcocklabs.com

5697-56984

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 4
 Lab No.: L66964-008

Date Reported: 04/07/2000

Collected By: ORR
 Date: 03/15/2000
 Time: 1200
 Submitted By: Fed. Exp.
 Date: 03/16/2000
 Time: 0830

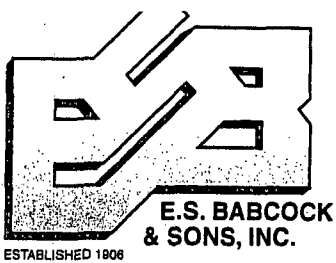
EPA Method 524.2

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
1,1,1,2-Tetrachloroethane	ND	ug/L 0.5	Chloroethane	ND	ug/L 0.5
1,1,1-Trichloroethane	ND	ug/L 0.5	Chloroform	ND	ug/L 0.5
1,1,2,2-Tetrachloroethane	ND	ug/L 0.5	Chloromethane	ND	ug/L 0.5
1,1,2-Trichloroethane	ND	ug/L 0.5	cis-1,2-Dichloroethene	ND	ug/L 0.5
1,1-Dichloroethane	ND	ug/L 0.5	cis-1,3-Dichloropropene	ND	ug/L 0.5
1,1-Dichloroethene	ND	ug/L 0.5	Dibromochloromethane	ND	ug/L 0.5
1,1-Dichloropropene	ND	ug/L 0.5	Dibromomethane	ND	ug/L 0.5
1,2,3-Trichlorobenzene	ND	ug/L 0.5	Dichlorodifluoromethane	ND	ug/L 1.0
1,2,3-Trichloropropane	ND	ug/L 0.5	1,2,4-Trichlorobenzene	ND	ug/L 0.5
1,2,4-Trimethylbenzene	ND	ug/L 0.5	Ethylbenzene	ND	ug/L 0.5
1,2-Dichlorobenzene	ND	ug/L 0.5	Hexachlorobutadiene	ND	ug/L 0.5
1,2-Dichloroethane	ND	ug/L 0.5	1,2-Dichloropropane	ND	ug/L 0.5
1,3,5-Trimethylbenzene	ND	ug/L 0.5	Isopropylbenzene	ND	ug/L 0.5
1,3-Dichlorobenzene	ND	ug/L 0.5	1,3-Dichloropropane	ND	ug/L 0.5
Methyl tert Butyl Ether	ND	ug/L 3.0	1,4-Dichlorobenzene	ND	ug/L 0.5
Methylene Chloride	ND	ug/L 0.5	2,2-Dichloropropane	ND	ug/L 0.5
Naphthalene	ND	ug/L 0.5	2-Butanone (MEK)	ND	ug/L 5.0
n-Butylbenzene	ND	ug/L 0.5	2-Chloroethylvinyl Ether	ND	ug/L 1.0
n-Propylbenzene	ND	ug/L 0.5	2-Chlorotoluene	ND	ug/L 0.5
p-Isopropyltoluene	ND	ug/L 0.5	4-Chlorotoluene	ND	ug/L 0.5
sec-Butylbenzene	ND	ug/L 0.5	4-Methyl-2-Pentanone (MIBK)	ND	ug/L 5.0
Styrene	ND	ug/L 0.5	tert-Butylbenzene	ND	ug/L 0.5
Tetrachloroethene	ND	ug/L 0.5	Toluene	ND	ug/L 0.5
trans-1,2-Dichloroethene	ND	ug/L 0.5	Benzene	ND	ug/L 0.5

Date analyzed / Analyst: 03-21-2000 / HG

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: '



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Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 5
Lab No.: L66964-008

Date Reported: 04/07/2000

Collected By: ORR
Date: 03/15/2000
Time: 1200
Submitted By: Fed. Exp.
Date: 03/16/2000
Time: 0830

EPA Method 524.2

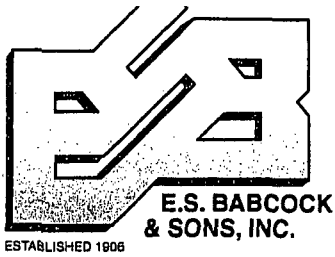
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
trans-1,3-Dichloropropene	ND	ug/L 0.5	Bis(2-Chloroethyl) Ether	ND	ug/L 5.0
Trichloroethene	ND	ug/L 0.5	Bromobenzene	ND	ug/L 0.5
Trichlorofluoromethane	ND	ug/L 5.0	Bromochloromethane	ND	ug/L 0.5
Trichlorotrifluoroethane	ND	ug/L 10.	Bromodichloromethane	ND	ug/L 0.5
Bromoform	ND	ug/L 0.5	Vinyl Chloride	ND	ug/L 0.5
Bromomethane	ND	ug/L 0.5	Xylenes (m+p)	ND	ug/L 0.5
Xylenes (ortho)	ND	ug/L 0.5	Carbon Tetrachloride	ND	ug/L 0.5
Chlorobenzene	ND	ug/L 0.5	1,4-Dioxane	ND	ug/L 10.
tert-Amyl Methyl Ether	ND	ug/L 3.0	Ethyl tert-Butyl Ether	ND	ug/L 3.0

Date analyzed / Analyst: 03-21-2000 / HG

ND = None detected at RL (Reporting Limit). RL units same as result.

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Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: water

Page: 6
Lab No.: L66964-008

Date Reported: 04/07/2000

Collected By: ORR
Date: 03/15/2000
Time: 1200
Submitted By: Fed. Exp.
Date: 03/16/2000
Time: 0830

EPA Method 525.2

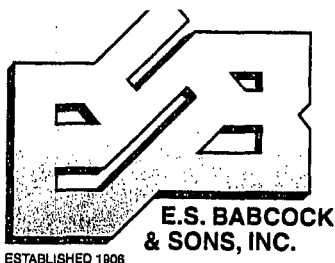
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
DEH-Adipate	ND ug/L	5.0	DEH-Phthalate	ND ug/L	3.0
Benzo(a) pyrene	ND ug/L	0.1			

Date analyzed / Analyst: 03-27-2000 / JS

ND = None detected at RL (Reporting Limit). RL units same as result.

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Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:
 Description:

Matrix: water

Page: 7
 Lab No.: L66964-008

Date Reported: 04/07/2000

Collected By: ORR
 Date: 03/15/2000
 Time: 1200
 Submitted By: Fed. Exp.
 Date: 03/16/2000
 Time: 0830

EPA Method 608

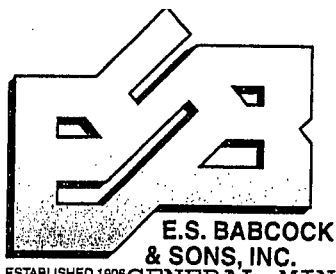
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
4,4'-DDD	ND ug/L	0.1	Chlordane	ND ug/L	0.1
4,4'-DDE	ND ug/L	0.04	d-BHC	ND ug/L	0.09
4,4'-DDT	ND ug/L	0.1	Dieldrin	ND ug/L	0.02
a-BHC	ND ug/L	0.03	Endosulfan I	ND ug/L	0.1
Aldrin	ND ug/L	0.04	Endosulfan II	ND ug/L	0.04
Aroclor 1016	ND ug/L	0.5	Endosulfan Sulfate	ND ug/L	0.7
Aroclor 1221	ND ug/L	0.5	Endrin	ND ug/L	0.06
Aroclor 1232	ND ug/L	0.5	Endrin Aldehyde	ND ug/L	0.2
Aroclor 1242	ND ug/L	0.5	Heptachlor	ND ug/L	0.01
Aroclor 1248	ND ug/L	0.5	Heptachlor Epoxide	ND ug/L	0.01
Aroclor 1254	ND ug/L	0.5	Lindane	ND ug/L	0.04
Aroclor 1260	ND ug/L	0.5	Methoxychlor	ND ug/L	1.8
b-BHC	ND ug/L	0.06	Toxaphene	ND ug/L	1.0

Date analyzed / Analyst: 03-29-2000 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons Inc.



E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

2001 MAY 15 P 12:56

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EX

Date of Report: 00/01/10
Laboratory Name: E.S. BABCOCK & SONS
Name of Sampler: N/A
Date/Time Sample Collected: 99/12/13/1210
Date/Time Sample Received @ Lab: 99/12/14/0840
Date Analyses Completed: 99/12/28
Sample ID No: 63102-009
Signature Lab Director: *[Signature]*
Employed By: City of Oceanside

System Name: OCEANSIDE, CITY OF
Name or Number of Sample Source: BONSALL BRIDGE
System Number: 3710014

* User ID: WAT Station Number: *
* Date/Time of Sample: |99|12|13|1210| Laboratory Code: 4790 *
* YY MM DD TTTT YY MM DD *
* Submitted by: _____ Date Analysis completed: |99|12|28| *
* Phone #: _____ *

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3) (mg/L)	00900	780	-
	mg/L	Calcium (Ca) (mg/L)	00916	160	-
	mg/L	Magnesium (Mg) (mg/L)	00927	89	-
	mg/L	Sodium (NA) (mg/L)	00929	220	-
	mg/L	Potassium (K) (mg/L)	00937	5	-

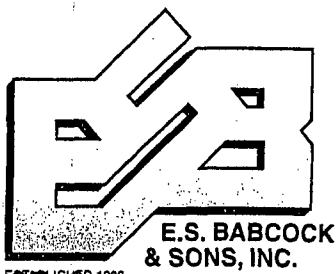
Total Cations Meq/L Value:

	mg/L	Total Alkalinity (AS CaCO3) (mg/L)	00410	300	-
	mg/L	Hydroxide (OH) (mg/L)	71830	< 3	
	mg/L	Carbonate (CO3) (mg/L)	00445	< 3	
	mg/L	Bicarbonate (HCO3) (mg/L)	00440	370	
*	mg/L+	Sulfate (SO4) (mg/L)	00945	490	.5
*	mg/L+	Chloride (Cl) (mg/L)	00940	350	
45	mg/L	Nitrate (as NO3) (mg/L)	71850	5	2.0
**	mg/L	Fluoride (F) Temp. Depend. (mg/L)	00951	0.4	.1

Total Anions Meq/L Value:

	Std.Units+	PH (Laboratory) (Std.Units)	00403	8.0	
***	umho/cm+	Specific Conductance (E.C.) (umho/cm)	00095	2390	
****	mg/L+	Total Filterable Residue@180C(TDS) (mg/L)	70300	1580	
	Units	Apparent Color (Unfiltered) (Units)	00081		
	TON	Odor Threshold at 60 C (TON)	00086		
	NTU	Lab Turbidity (NTU)	82079		
0.5	mg/L+	MBAS (mg/L)	38260	0.07	

* 250-500-600 ** 0.6-1.7 *** 900-1600-2200 **** 500-1000-1500



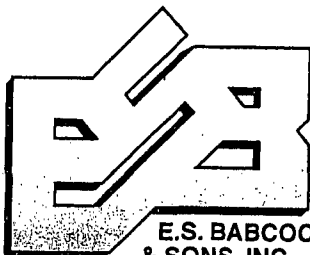
Environmental Laboratory Certification #1156
 6100 Quail Valley Court Riverside, CA 92507-0704
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MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
1000	ug/L	Aluminum (Al) (ug/L)	01105	ND	50.0
6	ug/L	Antimony (ug/L)	01097	ND	6.0
50	ug/L	Arsenic (As) (ug/L)	01002	OK 2	2.0
1000	ug/L	Barium (Ba) (ug/L)	01007	ND	100.0
4	ug/L	Beryllium (ug/L)	01012	ND	1.0
5	ug/L	Cadmium (Cd) (ug/L)	01027	ND	1.0
50	ug/L	Chromium (Total Cr) (ug/L)	01034	ND	10.0
1000	ug/L+	Copper (Cu) (ug/L)	01042	ND	50.0
300	ug/L+	Iron (Fe) (ug/L)	01045	ND	100.0
	ug/L	Lead (Pb) (ug/L)	01051	ND	5.0
50	ug/L+	Manganese (Mn) (ug/L)	01055	ND	30.0
2	ug/L	Mercury (Hg) (ug/L)	71900	ND	1.0
100	ug/L	Nickel (ug/L)	01067	ND	10.0
50	ug/L	Selenium (Se) (ug/L)	01147	OK 6	5.0
100	ug/L+	Silver (Ag) (ug/L)	01077	ND	10.0
2	ug/L	Thallium (ug/L)	01059	ND	1.0
5000	ug/L	Zinc (Zn) (ug/L)	01092	ND	50.0

ADDITIONAL ANALYSES

1000	ug/L	Nitrite as Nitrogen(N) (ug/L)	00620	ND	400
200	ug/L	Cyanide (ug/L)	01291	ND	100.0

+ Indicates Secondary Drinking Water Standards



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EX

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

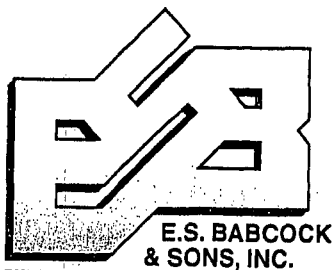
Date of Report: 00/01/10 Sample ID No. 163102-010
Laboratory Signature Lab
Name: E.S. BABCOCK & SONS Director: *[Signature]*
Name of Sampler: N/A Employed By: City of Oceanside
Date/Time Sample Date/Time Sample Date Analyses
Collected: 99/12/13/0847 Received @ Lab: 99/12/14/0840 Completed: 99/12/28

=====
System System
Name: OCEANSIDE, CITY OF Number: 3710014
Name or Number of Sample Source: BENET RD

* User ID: WAT Station Number: *
* Date/Time of Sample: |99|12|13|0847| Laboratory Code: 4790 *
* YY MM DD TTTT YY MM DD *
* Date Analysis completed: |99|12|28| *
* Submitted by: _____ Phone #: _____ *

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3) (mg/L)	00900	940	
	mg/L	Calcium (Ca) (mg/L)	00916	200	
	mg/L	Magnesium (Mg) (mg/L)	00927	100	
	mg/L	Sodium (NA) (mg/L)	00929	310	OK
	mg/L	Potassium (K) (mg/L)	00937	6	
Total Cations Meq/L Value:					
	mg/L	Total Alkalinity (AS CaCO3) (mg/L)	00410	360	✓
	mg/L	Hydroxide (OH) (mg/L)	71830	< 3	✓
	mg/L	Carbonate (CO3) (mg/L)	00445	< 3	✓
	mg/L	Bicarbonate (HCO3) (mg/L)	00440	440	
*	mg/L+	Sulfate (SO4) (mg/L)	00945	520	.5
*	mg/L+	Chloride (Cl) (mg/L)	00940	560	
45	mg/L	Nitrate (as NO3) (mg/L)	71850	< 2	2.0
**	mg/L	Fluoride (F) Temp. Depend. (mg/L)	00951	0.4	.1
Total Anions Meq/L Value:					
	Std.Units+	PH (Laboratory) (Std.Units)	00403	7.7	
***	umho/cm+	Specific Conductance (E.C.) (umho/cm)	00095	3050	
****	mg/L+	Total Filterable Residue@180C(TDS) (mg/L)	70300	1990	
	Units	Apparent Color (Unfiltered) (Units)	00081		
	TON	Odor Threshold at 60 C (TON)	00086		
	NTU	Lab Turbidity (NTU)	82079		
0.5	mg/L+	MBAS (mg/L)	38260	0.08	

* 250-500-600 ** 0.6-1.7 *** 900-1600-2200 **** 500-1000-1500



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MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
1000	ug/L	Aluminum (Al) (ug/L)	01105	ND	50.0
6	ug/L	Antimony (ug/L)	01097	ND	6.0
50	ug/L	Arsenic (As) (ug/L)	01002	4	2.0
1000	ug/L	Barium (Ba) (ug/L)	01007	ND	100.0
4	ug/L	Beryllium (ug/L)	01012	ND	1.0
5	ug/L	Cadmium (Cd) (ug/L)	01027	ND	1.0
50	ug/L	Chromium (Total Cr) (ug/L)	01034	ND	10.0
1000	ug/L+	Copper (Cu) (ug/L)	01042	ND	50.0
300	ug/L+	Iron (Fe) (ug/L)	01045	170	100.0
	ug/L	Lead (Pb) (ug/L)	01051	ND	5.0
50	ug/L+	Manganese (Mn) (ug/L)	01055	150	30.0
2	ug/L	Mercury (Hg) (ug/L)	71900	ND	1.0
100	ug/L	Nickel (ug/L)	01067	ND	10.0
50	ug/L	Selenium (Se) (ug/L)	01147	11	5.0
100	ug/L+	Silver (Ag) (ug/L)	01077	ND	10.0
2	ug/L	Thallium (ug/L)	01059	ND	1.0
5000	ug/L	Zinc (Zn) (ug/L)	01092	ND	50.0

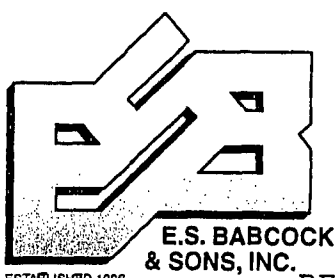
ADDITIONAL ANALYSES

1000	ug/L	Nitrite as Nitrogen(N) (ug/L)	00620	ND	400
200	ug/L	Cyanide (ug/L)	01291	ND	100.0

+ Indicates Secondary Drinking Water Standards

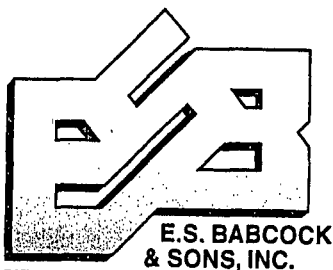
Laboratory comments and description of any additional components found:

Ortho Phosphate Phosphorus = ND @ RL 0.05 mg/L



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TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	200	.50
524.2	1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	5	.50
524.2	Trichloroethylene (TCE)	39180	ND	5	.50
524.2	Trichlorofluoromethane (FREON 11)	34488	ND	150	5.00
524.2	Trichlorotrifluoroethane (FREON 113)	81611	ND	1200	10.00
524.2	Vinyl Chloride (VC)	39175	ND	.5	.50
524.2	m,p-Xylene	A-014	ND		.50
524.2	o-Xylene	77135	ND		.50
524.2	Total Xylenes (m,p, & o)	81551	ND	1750	.50
525.2	Diethylhexylphthalate (DEHP)	39100	ND	4	3.00
507	Atrazine (AATREX)	39033	ND	3	1.00
507	Molinate (ORDRAM)	82199	ND	20	2.00
507	Simazine (PRINCEP)	39055	ND	4	1.00
507	Thiobencarb (BOLERO)	A-001	ND	70	1.00
507	Alachlor (ALANEX)	77825	ND	2	1.00
515.1	Bentazon (BASAGRAN)	38710	ND	18	2.00
525.2	Benzo(a)pyrene	34247	ND	.2	0.10
515.1	2,4-D	39730	ND	70	10.00
515.1	2,4,5-TP (SILVEX)	39045	ND	50	1.00
515.1	Dalapon	38432	ND	200	10.00
515.1	Dinoseb (DNBP)	81287	ND	7	2.00
525.2	Di(2-ethylhexyl) Adipate	A-026	ND	400	5.00
515.1	Pentachlorophenol (PCP)	39032	ND	1	.20
515.1	Picloram	39720	ND	500	1.00
UNREGULATED ORGANIC CHEMICALS					
524.2	tert-Amyl Methyl Ether (TAME)	A-034	ND		3.00
524.2	Bromobenzene	81555	ND		.50
524.2	Bromochloromethane	A-012	ND		.50
524.2	Bromomethane (Methyl Bromide)	34413	ND		.50
524.2	n-Butylbenzene	A-010	ND		.50
524.2	sec-Butylbenzene	77350	ND		.50
524.2	tert-Butylbenzene	77353	ND		.50
524.2	Chloroethane	34311	ND		.50
524.2	2-Chloroethylvinyl Ether	34576	ND		1.00
524.2	Chloromethane (Methyl Chloride)	34418	ND		.50
524.2	2-Chlorotoluene	A-008	ND		.50
524.2	4-Chlorotoluene	A-009	ND		.50
524.2	Dibromomethane	77596	ND		.50
524.2	1,3-Dichlorobenzene (m-DCB)	34566	ND		.50
524.2	Dichlorodifluoromethane	34668	ND		1.00
524.2	1,3-Dichloropropane	77173	ND		.50
524.2	2,2-Dichloropropane	77170	ND		.50



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e-mail: esbsales@aol.com
www.babcocklabs.com

Page 3 of 3

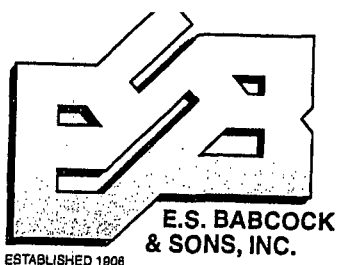
UNREGULATED ORGANIC CHEMICALS

L63102-010

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	1,1-Dichloropropene	77168	ND		.50
524.2	Ethyl tert-Butyl Ether (ETBE)	A-033	ND		3.00
524.2	Hexachlorobutadiene	34391	ND		.50
524.2	Isopropylbenzene (Cumene)	77223	ND		.50
524.2	p-Isopropyltoluene	A-011	ND		.50
524.2	Naphthalene	34696	ND		.50
524.2	n-Propylbenzene	77224	ND		.50
524.2	1,1,1,2-Tetrachloroethane	77562	ND		.50
524.2	1,2,3-Trichlorobenzene	77613	ND		.50
524.2	1,2,3-Trichloropropane	77443	ND		.50
524.2	1,2,4-Trimethylbenzene	77222	ND		.50
524.2	1,3,5-Trimethylbenzene	77226	ND		.50
524.2	Methyl Ethyl Ketone (MEK, Butanone)	81595	ND		5.00
524.2	Methyl Isobutyl Ketone (MIBK)	81596	ND		5.00
524.2	bis (2-Chloroethyl) Ether	34273	ND		5.00
507	Bromacil (HYVAR)	82198	ND		10.00
507	Butachlor	77860	ND		.38
507	Diazinon	39570	ND		.25
515.1	Dicamba (BANVEL)	82052	ND		1.50
507	Dimethoate (CYGON)	38458	ND		10.00
507	Diuron	39650	ND		1.00
507	Metolachlor	39356	ND		
507	Metribuzin	81408	ND		
507	Prometryn (CAPAROL)	39057	ND		2.00

Laboratory comments and description of any additional components found:

Metolachlor DLR = 1 ug/L Metribuzin DLR = 0.15 ug/L



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5697-56601

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: BENET RD

Site:

Description: SLR River

Matrix: water

Page: 6
 Lab No.: L63102-010

Date Reported: 01/05/2000

Collected By:

Date: 12/13/1999

Time: 0847

Submitted By: Fed Ex

Date: 12/14/1999

Time: 0840

EPA Method 608

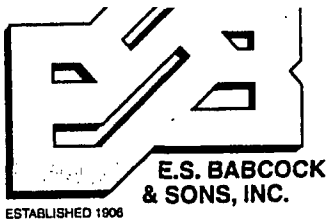
<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
4,4'-DDD	ND ug/L	0.2	Chlordane	ND ug/L	0.2
4,4'-DDE	ND ug/L	0.08	d-BHC	ND ug/L	0.2
4,4'-DDT	ND ug/L	0.2	Dieldrin	ND ug/L	0.04
a-BHC	ND ug/L	0.06	Endosulfan I	ND ug/L	0.3
Aldrin	ND ug/L	0.08	Endosulfan II	ND ug/L	0.08
Aroclor 1016	ND ug/L	1.0	Endosulfan Sulfate	ND ug/L	1.3
Aroclor 1221	ND ug/L	1.0	Endrin	ND ug/L	0.1
Aroclor 1232	ND ug/L	1.0	Endrin Aldehyde	ND ug/L	0.5
Aroclor 1242	ND ug/L	1.0	Heptachlor	ND ug/L	0.02
Aroclor 1248	ND ug/L	1.0	Heptachlor Epoxide	ND ug/L	0.02
Aroclor 1254	ND ug/L	1.0	Lindane	ND ug/L	0.08
Aroclor 1260	ND ug/L	1.0	Methoxychlor	ND ug/L	3.6
b-BHC	ND ug/L	0.1	Toxaphene	ND ug/L	2.0
BZ-198	-	-			
Surr Percent Recovery:	68.5	%			

Date analyzed / Analyst: 12-16-1999 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD

E. S. Babcock & Sons Inc.



Environmental Laboratory Certification # 1700
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 www.babcocklabs.com

EX

GENERAL MINERAL & PHYSICAL, & INORGANIC ANALYSIS (4/95)

Date of Report: 10/04/99
 Laboratory

Sample ID No: L59630-007

Signature Lab

Name: E.S. BABCOCK & SONS

Director: *[Signature]*

Name of Sampler: RF

Employed By: City of Oceanside

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 99/09/13/0945

Received @ Lab: 99/09/14/0930

Completed: 99/09/27

System

System

Name: OCEANSIDE, CITY OF

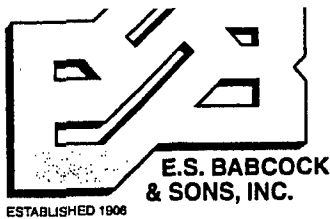
Number: 3710014

Name or Number of Sample Source: SLR RIVER @ BONSALL

 * User ID: WAT Station Number:
 * Date/Time of Sample: |99|09|13|0945| Laboratory Code: 4790
 * YY MM DD TTTT YY MM DD
 * Date Analysis Completed: |99|09|27|
 * Submitted by: Phone #:

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
	mg/L	Hardness, (Total) as CaCO3	00900	840	
	mg/L	Calcium (Ca)	00916	180	
	mg/L	Magnesium (Mg)	00927	96	
	mg/L	Sodium (NA)	00929	250	<
	mg/L	Potassium (K)	00937		
Total Cations		Meq/L Value: 27.8			
	mg/L	Alkalinity, (Total) as CaCO3	00410	320	
	mg/L	Hydroxide (OH)	71830	< 3	
	mg/L	Carbonate (CO3)	00445	< 3	
	mg/L	Bicarbonate (HCO3)	00440	390	
*	mg/L+	Sulfate (SO4)	00945	500	0.5
*	mg/L+	Chloride (Cl)	00940	380	
45	mg/L	Nitrate (as NO3)	71850	< 2	2.0
**	mg/L	Fluoride (F) Temp. Depend.	00951	0.4	0.1
Total Anions		Meq/L Value: 27.5			
	Std.Units+	PH, Laboratory	00403	8.0	
***	uS +	Specific Conductance (E.C.)	00095	2600	
****	mg/L+	Total Filterable Residue at 180C (TDS)	70300	1790	
	Units	Color, Apparent (Unfiltered)	00081		
	TON	Odor Threshold at 60 C	00086		
	NTU	Turbidity, Laboratory	82079		
0.5	mg/L+	MBAS	38260		

* 250-500-600 ** 1.4-2.4 *** 900-1600-2200 **** 500-1000-1500



Environmental Laboratory Certification # 1100
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PAGE 2 OF 2

INORGANIC CHEMICALS

L59630-007

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
1000	ug/L	Aluminum (Al)	01105	ND	50.0
6	ug/L	Antimony	01097	ND	6.0
50	ug/L	Arsenic (As)	01002	2	2.0
1000	ug/L	Barium (Ba)	01007	ND	100.0
4	ug/L	Beryllium	01012	ND	1.0
5	ug/L	Cadmium (Cd)	01027	ND	1.0
50	ug/L	Chromium (Total Cr)	01034	10	10.0
1000	ug/L+	Copper (Cu)	01042	ND	50.0
300	ug/L+	Iron (Fe)	01045	-ND	100.0
	ug/L	Lead (Pb)	01051	ND	5.0
50	ug/L+	Manganese (Mn)	01055	60	20.0
2	ug/L	Mercury (Hg)	71900	ND	1.0
100	ug/L	Nickel	01067	ND	10.0
50	ug/L	Selenium (Se)	01147	6	5.0
100	ug/L+	Silver (Ag)	01077	ND	10.0
2	ug/L	Thallium	01059	ND	1.0
5000	ug/L	Zinc (Zn)	01092	ND	50.0

ADDITIONAL ANALYSES

		Agressiveness Index	82383	13.4	
1000	ug/L	Nitrite as Nitrogen (N)	00620	ND	40.0
200	ug/L	Cyanide	01291	ND	100.0

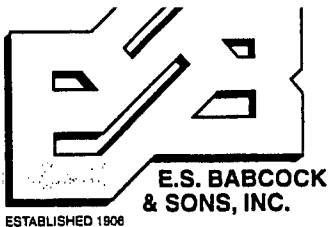
+ Indicates Secondary Drinking Water Standards

Laboratory comments and description of any additional compounds found:

Langelier Index Calculated at 25 C = 1.6

Temperature at Lab = 25 deg. C

SDSHD



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 www.babcocklabs.com

GENERAL MINERAL & PHYSICAL, & INORGANIC ANALYSIS (4/95)

Date of Report: 10/04/99

Sample ID No. L59630-008

Laboratory

Signature Lab

Name: E.S. BABCOCK & SONS

Director: *[Handwritten Signature]*

Name of Sampler: RF

Employed By: City of Oceanside

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 99/09/13/1010

Received @ Lab: 99/09/14/0930

Completed: 99/09/27

System

System

Name: OCEANSIDE, CITY OF

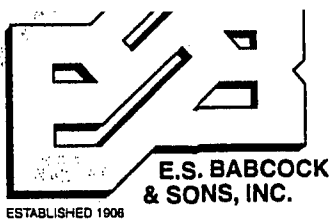
Number: 3710014

Name or Number of Sample Source: SLR RIVER @ DOUGLAS

 * User ID: WAT Station Number: *
 * Date/Time of Sample: |99|09|13|1010| Laboratory Code: 4790 *
 * YY MM DD TTTT YY MM DD *
 * Date Analysis Completed: |99|09|27| *
 * Submitted by: Phone #: *

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
	mg/L	Hardness, (Total) as CaCO3	00900	730	
	mg/L	Calcium (Ca)	00916	150	
	mg/L	Magnesium (Mg)	00927	83	
	mg/L	Sodium (NA)	00929	210	AK
	mg/L	Potassium (K)	00937		
Total Cations		Meq/L Value: 23.4			
	mg/L	Alkalinity, (Total) as CaCO3	00410	280	
	mg/L	Hydroxide (OH)	71830	< 3	
	mg/L	Carbonate (CO3)	00445	< 3	
	mg/L	Bicarbonate (HCO3)	00440	340	
*	mg/L+	Sulfate (SO4)	00945	420	0.5
*	mg/L+	Chloride (Cl)	00940	320	
45	mg/L	Nitrate (as NO3)	71850	< 2	2.0
**	mg/L	Fluoride (F) Temp. Depend.	00951	0.2	0.1
Total Anions		Meq/L Value: 23.3			
	Std.Units+	PH, Laboratory	00403	7.8	
***	uS +	Specific Conductance (E.C.)	00095	2250	
****	mg/L+	Total Filterable Residue at 180C (TDS)	70300	1560	
	Units	Color, Apparent (Unfiltered)	00081		
	TON	Odor Threshold at 60 C	00086		
	NTU	Turbidity, Laboratory	82079		
0.5	mg/L+	MBAS	38260		

* 250-500-600 ** 1.4-2.4 *** 900-1600-2200 **** 500-1000-1500



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PAGE 2 OF 2

INORGANIC CHEMICALS

L59630-008

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
1000	ug/L	Aluminum (Al)	01105	ND	50.0
6	ug/L	Antimony	01097	ND	6.0
50	ug/L	Arsenic (As)	01002	3	2.0
1000	ug/L	Barium (Ba)	01007	ND	100.0
4	ug/L	Beryllium	01012	ND	1.0
5	ug/L	Cadmium (Cd)	01027	ND	1.0
50	ug/L	Chromium (Total Cr)	01034	10	10.0
1000	ug/L+	Copper (Cu)	01042	ND	50.0
300	ug/L+	Iron (Fe)	01045	320	100.0
	ug/L	Lead (Pb)	01051	ND	5.0
50	ug/L+	Manganese (Mn)	01055	60	20.0
2	ug/L	Mercury (Hg)	71900	ND	1.0
100	ug/L	Nickel	01067	ND	10.0
50	ug/L	Selenium (Se)	01147	6	5.0
100	ug/L+	Silver (Ag)	01077	ND	10.0
2	ug/L	Thallium	01059	ND	1.0
5000	ug/L	Zinc (Zn)	01092	ND	50.0

ADDITIONAL ANALYSES

		Agressiveness Index	82383	13.1	
1000	ug/L	Nitrite as Nitrogen(N)	00620	ND	400
200	ug/L	Cyanide	01291	ND	100.0

+ Indicates Secondary Drinking Water Standards

Laboratory comments and description of any additional compounds found:

Langelier Index Calculated at 25 C = 1.3

Temperature at Lab = 25 deg. C

SDSHD

City of Oceanside Water Utilities Department Laboratory
 San Luis Rey Wastewater Treatment Plant
 3950 North River Road
 Oceanside, California 92054

phone: 760-966-8772
 fax: 760-966-8770

To: E. S. Babcock & Sons

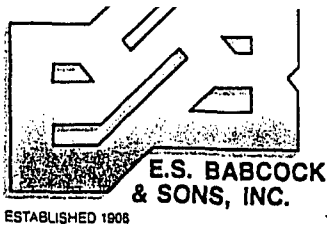
P.O. # (will call you as soon as I have it)

Date: June 16, 1999

City of Oceanside 656293

Sample Description	Date/Time Sampled	Analyze for:
Mission Basin Desalting Facility Wells 2, 3, 5 and product	Well 2 - 06/16/99 @ 0600 Well 3 - 06/16/99 @ 0600 Well 5 - 06/16/99 @ 0600 Product - 06/16/99 @ 0600	EPA 524.2 - Volatiles EPA 300.0 - Perchlorate
Well # 2 Well # 5 and product	Well 2 - 06/16/99 @ 0600 06/16/99 @ 0600	Radioactivity - gross alpha Uranium
SLR River @ Benet Rd	06/16/99 @ 1045	EPA 608 - pesticides/PCB (include DDD, DDE, DDT)
Relinquished by:		Relinquished by:
<i>Mary Gonzales</i> 1130		
(Signature)	(Time)	(Signature) (Time)
Mary Gonzales 6/16/99		
(Printed name)	(Date)	(Printed name) (Date)
Received by:		Received by E. S. Babcock & Sons
		<i>Am Wilkinson</i> 0900
(Signature)	(Time)	(Signature) (Time)
		Am Wilkinson 6/17/99
(Printed name)	(Date)	(Printed name) (Date)

UPS
0900
TB



Environmental Laboratory Certification # 1130
 6100 Quail Valley Court Riverside, CA 92507-0704
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 e-mail: esbsales@aol.com
 www.babcocklabs.com

5697-55626

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:

Description:

Matrix: wastewater

Page: 1
 Lab No.: L56293-005

Date Reported: 06/29/1999

Collected By:

Date: 06/16/1999

Time: 1045

Submitted By: UPS

Date: 06/17/1999

Time: 0900

EPA Method 608

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
4,4'-DDD	ND ug/L	0.1	Chlordane	ND ug/L	0.1
4,4'-DDE	ND ug/L	0.04	d-BHC	ND ug/L	0.09
4,4'-DDT	ND ug/L	0.1	Dieldrin	ND ug/L	0.02
a-BHC	ND ug/L	0.03	Endosulfan I	ND ug/L	0.1
Aldrin	ND ug/L	0.04	Endosulfan II	ND ug/L	0.04
Aroclor 1016	ND ug/L	0.5	Endosulfan Sulfate	ND ug/L	0.7
Aroclor 1221	ND ug/L	0.5	Endrin	ND ug/L	0.06
Aroclor 1232	ND ug/L	0.5	Endrin Aldehyde	ND ug/L	0.2
Aroclor 1242	ND ug/L	0.5	Heptachlor	ND ug/L	0.01
Aroclor 1248	ND ug/L	0.5	Heptachlor Epoxide	ND ug/L	0.01
Aroclor 1254	ND ug/L	0.5	Lindane	ND ug/L	0.04
Aroclor 1260	ND ug/L	0.5	Methoxychlor	ND ug/L	1.8
b-BHC	ND ug/L	0.06	Toxaphene	ND ug/L	1.0

Date analyzed / Analyst: 06-21-1999 / SML

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons Inc

City of Oceanside SAN DIEGO REGIONAL
Water Utilities Laboratory WATER QUALITY
Analytical Report CONTROL BOARD

2001 MAY 15 P 12:56

Report Date May 20, 1999

Sample Location Bonsall Bridge

Laboratory ID AA15813

Sampler's Name HAMMOND

Sample Type GRAB

Collection Time 03/08/99 10:35

Released to Lab 03/08/99 12:05

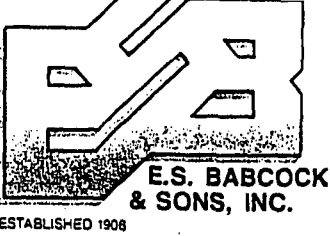
Analyte	Units	Result	MDL	Method
Ion Chromatograph	mg/l	---	---	EPA 300
Chloride		286	5.00	
Nitrite as N		<0.15	0.150	
Nitrate as N		2.31	1.00	
Sulfate		441	5.00	
Metals by ICP	mg/L	---	---	EPA 200.7
Aluminum		0.132	0.03	
Boron		0.141	0.01	
Calcium		154	0.2	
Iron		0.301	0.02	
Magnesium		OK 81.3	0.2	
Manganese		0.139	0.002	
Silver		<0.01	0.01	
Cyanide	mg/L	<0.01	0.01	4500 CN C+E
Conductivity	umhos/cm	2020	20	SM 2510 B
Enterococcus by MF <i>ok</i>	Colonies/100ml	80	<1	SM 9230 C
Fluoride	mg/L	0.36	.03	4500 F B+C
Mercury	ug/L	<1	0.2	EPA 245.1

Analyte	Units	Result	MDL	Method
Methylene Blue Active Substances	mg/L	<0.05	0.05	SM 5540 C
MTF for fecal coliform <i>ok</i>	MPN/100ml	220	---	SM 9221 E
MTF for total coliform	MPN/100ml	1700	---	SM 9221 B
Ammonia in DW by probe	mg N/L	<0.1	0.1	4500 NH3 D
pH	pH	8.01	---	SM 4500-H+ B
Total Alkalinity	mg/L as CaCO3	260	---	SM 2320 B
Total Dissolved Solids	mg/L	1348	14	SM 2540 C

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales

Mary Gonzales
Laboratory Supervisor



5697-55372

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: BONSALL BRIDGE
Site:
Description: San Luis Rey River Samples

Matrix: wastewater

Page: 1 of 1
Lab No.: L54215-009

Date Reported: 05/06/99

Collected By:
Date: 03/08/99
Time: 1035
Submitted By: UPS
Date: 04/27/99
Time: 0905

<u>Constituent</u>	<u>Result</u>		<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Sodium	170	mg/L	EPA 200.7	1.	990504/
Potassium	5.	mg/L	EPA 200.7	1.	990504/
Antimony	ND	mg/L	EPA 200.8	0.006	990429/
Arsenic	0.003	mg/L	EPA 200.8	0.002	990429/
Barium	ND	mg/L	EPA 200.8	0.1	990429/
Beryllium	ND	mg/L	EPA 200.8	0.001	990429/
Cadmium	ND	mg/L	EPA 200.8	0.001	990429/
Total Chromium	ND	mg/L	EPA 200.8	0.01	990429/
Copper	ND	mg/L	EPA 200.8	0.01	990429/
Lead	ND	mg/L	EPA 200.8	0.005	990429/
Molybdenum	0.01	mg/L	EPA 200.8	0.01	990429/
Nickel	ND	mg/L	EPA 200.8	0.01	990429/
Selenium	0.011	mg/L	EPA 200.8	0.005	990429/
Total Silica	29.	mg/L	EPA 200.7	0.5	990504/
Strontium	0.6	mg/L	EPA 200.7	0.1	990504/
Thallium	ND	mg/L	EPA 200.8	0.001	990429/
Zinc	ND	mg/L	EPA 200.8	0.01	990429/

ND = None detected at RL (Reporting Limit). RL units same as result.

Silicon equals 13.4 mg/L at a Reporting Limit of 0.2mg/L.

cc:

E.S. Babcock & Sons Inc.

**City of Oceanside
Water Utilities Laboratory
Analytical Report**

Report Date May 20, 1999

Sample Location Douglas Bridge

Laboratory ID AA15815

Sampler's Name HAMMOND

Sample Type GRAB

Collection Time 03/08/99 11:40

Released to Lab 03/08/99 12:05

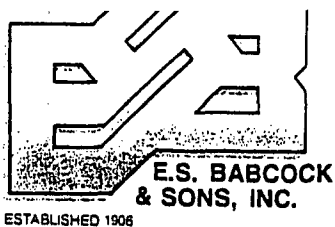
Analyte	Units	Result	MDL	Method
Ion Chromatograph	mg/l	---	---	EPA 300
Chloride		307	5.00	
Nitrite as N		<0.15	0.150	
Nitrate as N		2.48	1.00	
Sulfate		431	5.00	
Metals by ICP	mg/L	---	---	EPA 200.7
Aluminum		0.342	0.03	
Boron		0.154	0.01	
Calcium		154	0.2	
Iron		0.534	0.02	
Magnesium		83.4	0.2	
Manganese		0.106	0.002	
Silver		<0.01	0.01	
Cyanide	mg/L	<0.01	0.01	4500 CN C+E
Conductivity	umhos/cm	2080	20	SM 2510 B
Enterococcus by MF	Colonies/100ml	240	<1	SM 9230 C
Fluoride	mg/L	0.36	.03	4500 F B+C
Mercury	ug/L	<1	0.2	EPA 245.1

Analyte	Units	Result	MDL	Method
Methylene Blue Active Substances	mg/L	<0.05	0.05	SM 5540 C
MTF for fecal coliform	MPN/100ml	300	---	SM 9221 E
MTF for total coliform	MPN/100ml	800	---	SM 9221 B
Ammonia in DW by probe	mg N/L	<0.1	0.1	4500 NH3 D
pH	pH	8.39	---	SM 4500-H+ B
Total Alkalinity	mg/L as CaCO3	265	---	SM 2320 B
Total Dissolved Solids	mg/L	1372	14	SM 2540 C

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales

Mary Gonzales
Laboratory Supervisor



Environmental Laboratory Certification #1156
6100 Quail Valley Court Riverside, CA 92507-0704
P.O. Box 432 Riverside, CA 92502-0432
PH (909) 653-3351 FAX (909) 653-1662
e-mail: esbsales@aol.com
www.babcocklabs.com

5697-55372

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: DOUGLAS BRIDGE

Site:

Description: San Luis Rey River Samples

Matrix: wastewater

Page: 1 of 1
Lab No.: L54215-010

Date Reported: 05/06/99

Collected By:

Date: 03/08/99

Time: 1140

Submitted By: UPS

Date: 04/27/99

Time: 0905

<u>Constituent</u>	<u>Result</u>		<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Sodium	180	mg/L	EPA 200.7	1.	990504/1
Potassium	6.	mg/L	EPA 200.7	1.	990504/1
Antimony	ND	mg/L	EPA 200.8	0.006	990429/1
Arsenic	0.005	mg/L	EPA 200.8	0.002	990429/1
Barium	ND	mg/L	EPA 200.8	0.1	990429/1
Beryllium	ND	mg/L	EPA 200.8	0.001	990429/1
Cadmium	ND	mg/L	EPA 200.8	0.001	990429/1
Total Chromium	ND	mg/L	EPA 200.8	0.01	990429/1
Copper	ND	mg/L	EPA 200.8	0.01	990429/1
Lead	ND	mg/L	EPA 200.8	0.005	990429/1
Molybdenum	0.01	mg/L	EPA 200.8	0.01	990429/1
Nickel	ND	mg/L	EPA 200.8	0.01	990429/1
Selenium	0.018	mg/L	EPA 200.8	0.005	990429/1
Total Silica	30.	mg/L	EPA 200.7	0.5	990504/1
Strontium	0.6	mg/L	EPA 200.7	0.1	990504/1
Thallium	ND	mg/L	EPA 200.8	0.001	990429/1
Zinc	ND	mg/L	EPA 200.8	0.01	990429/1

ND = None detected at RL (Reporting Limit). RL units same as result.

Silicon equals 13.8 mg/L at a Reporting Limit of 0.2mg/L.

cc:

E. S. Babcock & Sons Inc.

**City of Oceanside
Water Utilities Laboratory
Analytical Report**

Report Date May 20, 1999

Sample Location Benet Bridge

Laboratory ID AA15814

Sampler's Name HAMMOND

Sample Type GRAB

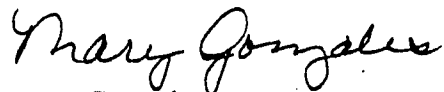
Collection Time 03/08/99 11:10

Released to Lab 03/08/99 12:05

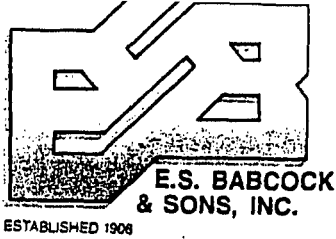
Analyte	Units	Result	MDL	Method
Ion Chromatograph	mg/l	---	---	EPA 300
Chloride		329	5.00	
Nitrite as N		<0.15	0.150	
Nitrate as N		2.15	1.00	
Sulfate		420	5.00	
Metals by ICP	mg/L	---	---	EPA 200.7
Aluminum		0.064	0.03	
Boron		0.161	0.01	
Calcium		155	0.2	
Iron		0.159	0.02	
Magnesium		83.6	0.2	
Manganese		0.070	0.002	
Silver		<0.01	0.01	
Cyanide	mg/L	<0.01	0.01	4500 CN C+E
Conductivity	umhos/cm	2140	20	SM 2510 B
Enterococcus by MF <i>cut</i>	Colonies/100ml	160	<1	SM 9230 C
Fluoride	mg/L	0.36	.03	4500 F B+C
Mercury	ug/L	<1	0.2	EPA 245.1

Analyte	Units	Result	MDL	Method
Methylene Blue Active Substances	mg/L	<0.05	0.05	SM 5540 C
MTF for fecal coliform	MPN/100ml	270	---	SM 9221 E
MTF for total coliform	MPN/100ml	3000	---	SM 9221 B
Ammonia in DW by probe	mg N/L	<0.1	0.1	4500 NH3 D
pH	pH	8.04	---	SM 4500-H+ B
Total Alkalinity	mg/L as CaCO3	279	---	SM 2320 B
Total Dissolved Solids	mg/L	1400	14	SM 2540 C

WATER UTILITIES DEPARTMENT LABORATORY, by



Mary Gonzales
Laboratory Supervisor



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5697-55372

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: BENET ROAD BRIDGE

Site:

Description: San Luis Rey River Samples

Matrix: wastewater

Page: 1 of 1
Lab No.: L54215-011

Date Reported: 05/06/99

Collected By:

Date: 03/08/99

Time: 1110

Submitted By: UPS

Date: 04/27/99

Time: 0905

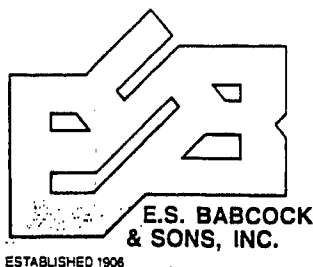
<u>Constituent</u>	<u>Result</u>		<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Sodium	190	mg/L	EPA 200.7	1.	990504/
Potassium	6.	mg/L	EPA 200.7	1.	990504/
Antimony	ND	mg/L	EPA 200.8	0.006	990429/
Arsenic	0.006	mg/L	EPA 200.8	0.002	990429/
Barium	ND	mg/L	EPA 200.8	0.1	990429/
Beryllium	ND	mg/L	EPA 200.8	0.001	990429/
Cadmium	ND	mg/L	EPA 200.8	0.001	990429/
Total Chromium	ND	mg/L	EPA 200.8	0.01	990429/
Copper	ND	mg/L	EPA 200.8	0.01	990429/
Lead	ND	mg/L	EPA 200.8	0.005	990429/
Molybdenum	0.01	mg/L	EPA 200.8	0.01	990429/
Nickel	ND	mg/L	EPA 200.8	0.01	990429/
Selenium	0.021	mg/L	EPA 200.8	0.005	990429/
Total Silica	24.	mg/L	EPA 200.7	0.5	990504/
Strontium	0.6	mg/L	EPA 200.7	0.1	990504/
Thallium	ND	mg/L	EPA 200.8	0.001	990429/
Zinc	ND	mg/L	EPA 200.8	0.01	990429/

ND = None detected at RL (Reporting Limit). RL units same as result.

Silicon equals 11.4 mg/L at a Reporting Limit of 0.2mg/L.

cc:

E. S. Babcock & Sons Inc.



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EX

ORGANIC CHEMICAL ANALYSIS (7/98)

Date of Report: 03/22/99

Sample ID No. L52202-006

Laboratory

Signature Lab

Name: E.S. BABCOCK & SONS

Director:

Name of Sampler:

Employed By: City of Oceanside

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 99/03/08/1110

Received @ Lab: 99/03/09/0925

Completed: 99/03/17

System

System

Name: OCEANSIDE, CITY OF

Number: 3710014

Name or Number of Sample Source: SAN LUIS REY RIVER @ BENET ROAD

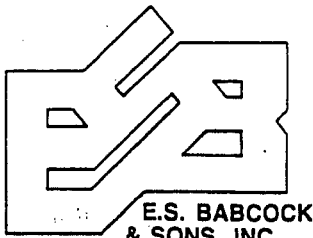
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 * Date/Time of Sample: |99|03|08|1110| Laboratory Code: 4790 *
 * YY MM DD TTTT YY MM DD *
 * Submitted by: _____ Date Analysis Completed: |99|03|17| *
 * Phone #: _____ *

PAGE 1 OF 3

REGULATED ORGANIC CHEMICALS

Neg Def No. 524.2

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Bromodichloromethane	32101	ND		0.5
524.2	Bromoform	32104	ND		0.5
524.2	Chloroform (Trichloromethane)	32106	ND		0.5
524.2	Dibromochloromethane	32105	ND		0.5
524.2	Total Trihalomethanes (THM'S/ TTHM)	82080	ND	100	0.5
524.2	Benzene	34030	ND	1	0.5
524.2	Carbon Tetrachloride	32102	ND	.5	0.5
524.2	1,2-Dichlorobenzene (o-DCB)	34536	ND	600	0.5
524.2	1,4-Dichlorobenzene (p-DCB)	34571	ND	5	0.5
524.2	1,1-Dichloroethane (1,1-DCA)	34496	ND	5	0.5
524.2	1,2-Dichloroethane (1,2-DCA)	34531	ND	.5	0.5
524.2	1,1-Dichloroethylene (1,1-DCE)	34501	ND	6	0.5
524.2	cis-1,2-Dichloroethylene (c-1,2-DCE)	77093	ND	6	0.5
524.2	trans-1,2-Dichloroethylene (t-1,2-DCE)	34546	ND	10	0.5
524.2	Dichloromethane (Methylene Chloride)	34423	ND	5	0.5
524.2	1,2-Dichloropropane	34541	ND	5	0.5
524.2	Total 1,3-Dichloropropene	34561	ND	.5	0.5
524.2	Ethyl Benzene	34371	ND	700	0.5
524.2	Monochlorobenzene (Chlorobenzene)	34301	ND	70	0.5
524.2	Styrene	77128	ND	100	0.5
524.2	1,1,2,2-Tetrachloroethane	34516	ND	1	0.5
524.2	Tetrachloroethylene (PCE)	34475	ND	5	0.5
524.2	Toluene	34010	ND	150	0.5
524.2	1,2,4-Trichlorobenzene	34551	ND	70	0.5
524.2	1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	200	0.5
524.2	1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	5	0.5
524.2	Trichloroethylene (TCE)	39180	ND	5	0.5
524.2	Trichlorofluoromethane (FREON 11)	34488	ND	150	5.0



E.S. BABCOCK
& SONS, INC.

ESTABLISHED 1906

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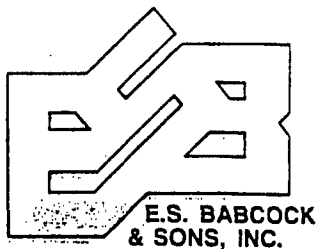
PAGE 2 OF 3

REGULATED ORGANIC CHEMICALS CONTINUED L52202-006

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Trichlorotrifluoroethane (FREON 113)	81611	ND	1200	10.0
524.2	Vinyl Chloride (VC)	39175	ND	.5	0.5
524.2	m,p-Xylene	A-014	ND		0.5
524.2	o-Xylene	77135	ND		0.5
524.2	Total Xylenes (m,p, & o)	81551	ND	1750	0.5
508	Endrin	39390	ND	2	0.10
508	Lindane (gamma-BHC)	39340	ND	.2	0.20
508	Methoxychlor	39480	ND	40	10.0
508	Toxaphene	39400	ND	3	1.0
508	Chlordane	39350	ND	.1	0.1
525.2	Diethylhexylphthalate (DEHP)	39100	ND	4	3.0
508	Heptachlor	39410	ND	.01	0.01
508	Heptachlor epoxide	39420	ND	.01	0.01
525.2	Atrazine (AATREX)	39033	ND	3	1.0
525.2	Molinate (ORDRAM)	82199	ND	20	2.0
525.2	Simazine (PRINCEP)	39055	ND	4	1.0
525.2	Thiobencarb (BOLERO)	A-001	ND	70	1.0
525.2	Alachlor (ALANEX)	77825	ND	2	1.0
515.1	Bentazon (BASAGRAN)	38710	ND	18	2.0
525.2	Benzo(a)pyrene	34247	ND	.2	0.1
515.1	2,4-D	39730	ND	70	10.0
515.1	2,4,5-TP (SILVEX)	39045	ND	50	1.0
515.1	Dalapon	38432	ND	200	10.0
515.1	Dinoseb (DNBP)	81287	ND	7	2.0
525.2	Di(2-ethylhexyl) Adipate	A-026	ND	400	5.0
508	Hexachlorobenzene	39700	ND	1	0.5
508	Hexachlorocyclopentadiene	34386	ND	50	1.0
515.1	Pentachlorophenol (PCP)	39032	ND	1	0.2
515.1	Picloram	39720	ND	500	1.0
508	Polychlorinated Biphenyls (Total PCB's)	39516	ND	.5	0.5

UNREGULATED ORGANIC CHEMICALS

524.2	tert-Amyl Methyl Ether (TAME)	A-034	ND		3.0
524.2	Bromobenzene	81555	ND		0.5
524.2	Bromochloromethane	A-012	ND		0.5
524.2	Bromomethane (Methyl Bromide)	34413	ND		0.5
524.2	n-Butylbenzene	A-010	ND		0.5
524.2	sec-Butylbenzene	77350	ND		0.5
524.2	tert-Butylbenzene	77353	ND		0.5
524.2	Chloroethane	34311	ND		0.5
524.2	2-Chloroethylvinyl Ether	34576	ND		1.0
524.2	Chloromethane (Methyl Chloride)	34418	ND		0.5
524.2	2-Chlorotoluene	A-008	ND		0.5
524.2	4-Chlorotoluene	A-009	ND		0.5
524.2	Dibromomethane	77596	ND		0.5
524.2	1,3-Dichlorobenzene (m-DCB)	34566	ND		0.5



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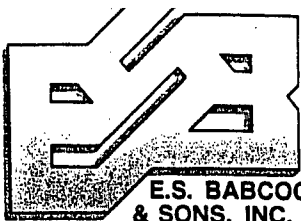
UNREGULATED ORGANIC CHEMICALS CONTINUED L52202-006

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Dichlorodifluoromethane	34668	ND		1.0
524.2	1,3-Dichloropropane	77173	ND		0.5
524.2	2,2-Dichloropropane	77170	ND		0.5
524.2	1,1-Dichloropropene	77168	ND		0.5
524.2	Ethyl tert-Butyl Ether (ETBE)	A-033	ND		3.0
524.2	Hexachlorobutadiene	34391	ND		0.5
524.2	Isopropylbenzene (Cumene)	77223	ND		0.5
524.2	p-Isopropyltoluene	A-011	ND		0.5
524.2	Methyl tert-Butyl Ether (MTBE)	A-030	ND		3.0
524.2	Naphthalene	34696	ND		0.5
524.2	n-Propylbenzene	77224	ND		0.5
524.2	1,1,1,2-Tetrachloroethane	77562	ND		0.5
524.2	1,2,3-Trichlorobenzene	77613	ND		0.5
524.2	1,2,3-Trichloropropane	77443	ND		0.5
524.2	1,2,4-Trimethylbenzene	77222	ND		0.5
524.2	1,3,5-Trimethylbenzene	77226	ND		0.5
524.2	Methyl Ethyl Ketone (MEK, Butanone)	81595	ND		5.0
524.2	Methyl Isobutyl Ketone (MIBK)	81596	ND		5.0
524.2	bis (2-Chloroethyl) Ether	34273	ND		5.0
508	Aldrin	39330	ND		0.075
525.2	Bromacil (HYVAR)	82198	ND		10.0
525.2	Butachlor	77860	ND		0.35
508	Chlorothalonil (DACONIL, BRAVO)	70314	ND		5.0
525.2	Diazinon	39570	ND		0.25
515.1	Dicamba (BANVEL)	82052	ND		0.085
508	Dieldrin	39380	ND		0.02
525.2	Dimethoate (CYGON)	38458	ND		10.0
525.2	Diuron	39650	ND		1.0
525.2	Metolachlor	39356	ND		
525.2	Metribuzin	81408	ND		
525.2	Prometryn (CAPAROL)	39057	ND		2.0
508	Propachlor	38533	ND		0.5

Laboratory comments and description of any additional compounds found:

Metolachlor DLR = 1.0 ug/L Metribuzin DLR = 0.15 ug/L

SDSHD



E.S. BABCOCK & SONS, INC.

ESTABLISHED 1908

ORGANIC CHEMICAL ANALYSIS (7/98)

Environmental Laboratory Certification #1156
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e-mail: esbsales@aol.com
www.babcocklabs.com

EX

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

2001 MAY 15 P 12:55

Date of Report: 12/17/98

Sample ID No. L48709-007

Laboratory

Signature Lab

Name: E.S. BABCOCK & SONS

Director: *Ellis Neal*

Name of Sampler: CRL

Employed By: City of Oceanside

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 98/11/30/0945

Received @ Lab: 98/12/02/0845

Completed: 98/12/16

System

System

Name: OCEANSIDE, CITY OF

Number: 3710014

Name or Number of Sample Source: SAN LUIS REY RIVER @ BENET ROAD

* User ID: WAT Station Number: *

* Date/Time of Sample: |98|11|30|0945| Laboratory Code: 4790 *

* YY MM DD TTTT YY MM DD *

* Date Analysis Completed: |98|12|16| *

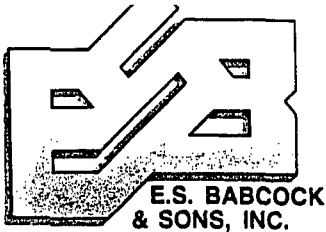
* Submitted by: _____ Phone #: _____ *

PAGE 1 OF 3

REGULATED ORGANIC CHEMICALS

Neg Def No. 524.2

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Bromodichloromethane	32101	ND		0.5
524.2	Bromoform	32104	ND		0.5
524.2	Chloroform (Trichloromethane)	32106	ND		0.5
524.2	Dibromochloromethane	32105	ND		0.5
524.2	Total Trihalomethanes (THM'S/ TTHM)	82080	ND	100	0.5
524.2	Benzene	34030	ND	1	0.5
524.2	Carbon Tetrachloride	32102	ND	.5	0.5
524.2	1,2-Dichlorobenzene (o-DCB)	34536	ND	600	0.5
524.2	1,4-Dichlorobenzene (p-DCB)	34571	ND	5	0.5
524.2	1,1-Dichloroethane (1,1-DCA)	34496	ND	5	0.5
524.2	1,2-Dichloroethane (1,2-DCA)	34531	ND	.5	0.5
524.2	1,1-Dichloroethylene (1,1-DCE)	34501	ND	6	0.5
524.2	cis-1,2-Dichloroethylene (c-1,2-DCE)	77093	ND	6	0.5
524.2	trans-1,2-Dichloroethylene (t-1,2-DCE)	34546	ND	10	0.5
524.2	Dichloromethane (Methylene Chloride)	34423	ND	5	0.5
524.2	1,2-Dichloropropane	34541	ND	5	0.5
524.2	Total 1,3-Dichloropropene	34561	ND	.5	0.5
524.2	Ethyl Benzene	34371	ND	700	0.5
524.2	Monochlorobenzene (Chlorobenzene)	34301	ND	70	0.5
524.2	Styrene	77128	ND	100	0.5
524.2	1,1,2,2-Tetrachloroethane	34516	ND	1	0.5
524.2	Tetrachloroethylene (PCE)	34475	ND	5	0.5
524.2	Toluene	34010	ND	150	0.5
524.2	1,2,4-Trichlorobenzene	34551	ND	70	0.5
524.2	1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	200	0.5
524.2	1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	5	0.5
524.2	Trichloroethylene (TCE)	39180	ND	5	0.5
524.2	Trichlorofluoromethane (FREON 11)	34488	ND	150	5.0



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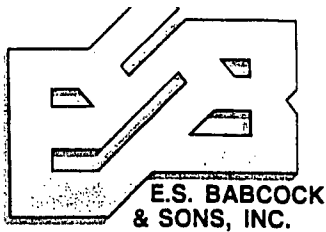
PAGE 2 OF 3

REGULATED ORGANIC CHEMICALS CONTINUED L48709-007

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Trichlorotrifluoroethane (FREON 113)	81611	ND	1200	10.0
524.2	Vinyl Chloride (VC)	39175	ND	.5	0.5
524.2	m,p-Xylene	A-014	ND		0.5
524.2	o-Xylene	77135	ND		0.5
524.2	Total Xylenes (m,p, & o)	81551	ND	1750	0.5
508	Endrin	39390	ND	2	0.10
508	Lindane (gamma-BHC)	39340	ND	.2	0.20
508	Methoxychlor	39480	ND	40	10.0
508	Toxaphene	39400	ND	3	1.0
508	Chlordane	39350	ND	.1	0.1
525.2	Diethylhexylphthalate (DEHP)	39100	ND	4	3.0
508	Heptachlor	39410	ND	.01	0.01
508	Heptachlor epoxide	39420	ND	.01	0.01
525.2	Atrazine (AATREX)	39033	ND	3	1.0
525.2	Molinate (ORDRAM)	82199	ND	20	2.0
525.2	Simazine (PRINCEP)	39055	ND	4	1.0
525.2	Thiobencarb (BOLERO)	A-001	ND	70	1.0
525.2	Alachlor (ALANEX)	77825	ND	2	1.0
515.1	Bentazon (BASAGRAN)	38710	ND	18	2.0
525.2	Benzo(a)pyrene	34247	ND	.2	0.1
515.1	2,4-D	39730	ND	70	10.0
515.1	2,4,5-TP (SILVEX)	39045	ND	50	1.0
515.1	Dalapon	38432	ND	200	10.0
515.1	Dinoseb (DNBP)	81287	ND	7	2.0
525.2	Di(2-ethylhexyl) Adipate	A-026	ND	400	5.0
508	Hexachlorobenzene	39700	ND	1	0.5
508	Hexachlorocyclopentadiene	34386	ND	50	1.0
515.1	Pentachlorophenol (PCP)	39032	ND	1	0.2
515.1	Picloram	39720	ND	500	1.0
508	Polychlorinated Biphenyls (Total PCB's)	39516	ND	.5	0.5

UNREGULATED ORGANIC CHEMICALS

524.2	Bromobenzene	81555	ND		0.5
524.2	Bromochloromethane	A-012	ND		0.5
524.2	Bromomethane (Methyl Bromide)	34413	ND		0.5
524.2	n-Butylbenzene	A-010	ND		0.5
524.2	sec-Butylbenzene	77350	ND		0.5
524.2	tert-Butylbenzene	77353	ND		0.5
524.2	Chloroethane	34311	ND		0.5
524.2	2-Chloroethylvinyl Ether	34576	ND		1.0
524.2	Chloromethane (Methyl Chloride)	34418	ND		0.5
524.2	2-Chlorotoluene	A-008	ND		0.5
524.2	4-Chlorotoluene	A-009	ND		0.5
524.2	Dibromomethane	77596	ND		0.5
524.2	1,3-Dichlorobenzene (m-DCB)	34566	ND		0.5
524.2	Dichlorodifluoromethane	34668	ND		1.0

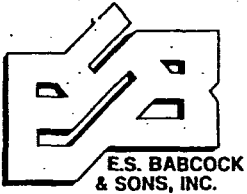


Environmental Laboratory Certification #1156
 6100 Quail Valley Court Riverside, CA 92507-0704
 P.O. Box 432 Riverside, CA 92502-0432
 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
 www.babcocklabs.com

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	1,3-Dichloropropane	77173	ND		0.5
524.2	2,2-Dichloropropane	77170	ND		0.5
524.2	1,1-Dichloropropene	77168	ND		0.5
524.2	Hexachlorobutadiene	34391	ND		0.5
524.2	Isopropylbenzene (Cumene)	77223	ND		0.5
524.2	p-Isopropyltoluene	A-011	ND		0.5
524.2	Methyl tert-Butyl Ether (MTBE)	A-030	ND		3.0
524.2	Naphthalene	34696	ND		0.5
524.2	n-Propylbenzene	77224	ND		0.5
524.2	1,1,1,2-Tetrachloroethane	77562	ND		0.5
524.2	1,2,3-Trichlorobenzene	77613	ND		0.5
524.2	1,2,3-Trichloropropane	77443	ND		0.5
524.2	1,2,4-Trimethylbenzene	77222	ND		0.5
524.2	1,3,5-Trimethylbenzene	77226	ND		0.5
524.2	Methyl Ethyl Ketone (MEK, Butanone)	81595	ND		5.0
524.2	Methyl Isobutyl Ketone (MIBK)	81596	ND		5.0
524.2	bis (2-Chloroethyl) Ether	34273	ND		5.0
508	Aldrin	39330	ND		0.075
525.2	Bromacil (HYVAR)	82198	ND		10.0
525.2	Butachlor	77860	ND		0.38
508	Chlorothalonil (DACONIL, BRAVO)	70314	ND		5.0
525.2	Diazinon	39570	0.49		0.25
515.1	Dicamba (BANVEL)	82052	ND		0.081
508	Dieldrin	39380	ND		0.02
525.2	Dimethoate (CYGON)	38458	ND		10.0
525.2	Diuron	39650	ND		1.0
525.2	Metolachlor	39356	ND		
525.2	Metribuzin	81408	ND		
525.2	Prometryn (CAPAROL)	39057	ND		2.0
508	Propachlor	38533	ND		0.5

Laboratory comments and description of any additional compounds found:

SDSHD Rained Nov. 28



6100 Quail Valley Court
Riverside, CA 92507

(909) 653-3351
FAX (909) 653-1662

PO# 54774

CHAIN OF CUSTODY RECORD

Oceanside

Lab #s: 48709

Invoice No.

Project No.	Project Name / Location	Determination Requested										Condition of Sample			Remarks			
		EPA 524.2	EPA 507	EPA 535.2	EPA 508	EPA 531.1	GROSS ALUM.	URANIUM	EPA 300.0 PERCHLORATE	EPA 300.0 NO ₃ -N	EPA 515	Number of Containers	Sealed	Checked		Preserved		
	City of OCEANSIDE Water UTILITIES DEPT LAB																	
Samplers: (signature) <i>Lin R. Redema</i>		Description		Sampled														
		Date	Time															
	MISSION BASIN DESALTING FACILITY																	
	Well #5	11/30/98	1015	X	X	X	X	X	X	X	X							9
	Product	11/30/98	0830	X	X	X	X	X	X		X							
	SR RIVER @ BENET RD	11/30/98	0945	X	X		X											5

Relinquished By: <i>Mary Gonzalez</i>	Date/Time: 12/1/98 0930	Received By:	Relinquished By:	Date/Time:	Received By:
Relinquished By:	Date/Time:	Received By:	Received For Lab By: <i>D. Riedler</i>	Date / Time: 12/2/98 0845	

**City of Oceanside
Water Utilities Laboratory
Analytical Report**

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

2001 MAY 15 P 12:56

Report Date March 29, 1999

Sample Location Bonsall Bridge

Laboratory ID AA09339

Sampler's Name LEDESMA

Sample Type GRAB

Collection Time 09/21/98 12:14

Released to Lab 09/22/98 12:57

Analyte	Units	Result	MDL	Method
Ion Chromatograph	mg/l	---	---	EPA 300
Sulfate		412	2.00	
Nitrate as N		2.95	0.115	
Nitrite as N		<MDL	0.005	
Chloride		297	2.0	
Metals by ICP	mg/L	---	---	EPA 200.7
Magnesium		91.1	0.2	
Zinc		<0.008	0.008	
Thallium		<0.001	0.001	
Strontium		0.670	0.001	
Sodium		192	1	
Silver		<0.01	0.01	
Calcium		162	0.2	
Selenium		<0.005	0.005	
Potassium		5.65	0.2	
Nickel		<0.01	0.01	
Molybdenum		0.013	0.004	
Manganese		0.052	0.002	
Boron		0.188	0.01	

	Units	Result	MDL	Method
Antimony		<0.006	0.006	
Arsenic		0.002	0.002	
Barium		0.070	0.003	
Beryllium		<0.001	0.001	
Aluminum		<0.03	0.03	
Cadmium		<0.001	0.001	
Silicon		11.8	0.01	
Chromium		<0.01	0.01	
Copper		<0.006	0.006	
Iron		0.074	0.02	
Lead		<0.005	0.005	
Cyanide	mg/L	<0.1	0.01	4500 CN C+E
Conductivity	umhos/cm	2140	20	SM 2510 B
Enterococcus by MF	Colonies/100ml	170	<1	SM 9230 C
Fluoride	mg/L	0.40	.03	4500 F B+C
Mercury	ug/L	<1	0.2	EPA 245.1
MTF for fecal coliform	MPN/100ml	300	---	SM 9221 E
MTF for total coliform	MPN/100ml	8000	---	SM 9221 B
Ammonia in DW by probe	mg N/L	<0.1	0.1	4500 NH3 D
pH	pH	8.26	---	SM 4500-H+ B
Total Alkalinity	mg/L as CaCO3	275	---	SM 2320 B
Total Dissolved Solids	mg/L	1400	14	SM 2540 C

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzalez

Mary Gonzalez
Laboratory Supervisor

**City of Oceanside
Water Utilities Laboratory
Analytical Report**

Report Date March 29, 1999

Sample Location Douglas Bridge

Laboratory ID AA09341

Sampler's Name LEDESMA

Sample Type GRAB

Collection Time 09/21/98 12:37

Released to Lab 09/22/98 12:57

Analyte	Units	Result	MDL	Method
Ion Chromatograph	mg/l	---	---	EPA 300
Sulfate		361	2.00	
Nitrate as N		1.68	0.115	
Nitrite as N		<MDL	0.005	
Chloride		302	2.00	
Metals by ICP	mg/L	---	---	EPA 200.7
Magnesium		83.2	0.2	
Zinc		<0.008	0.008	
Thallium		<0.001	0.001	
Strontium		0.658	0.001	
Sodium		184	1	
Silver		<0.01	0.01	
Calcium		149	0.2	
Selenium		<0.005	0.005	
Potassium		7.11	0.2	
Nickel		<0.01	0.01	
Molybdenum		0.012	0.004	
Manganese		0.099	0.002	
Boron		0.175	0.01	

Analyte	Units	Result	MDL	Method
Antimony		<0.006	0.006	
Arsenic		<0.002	0.002	
Barium		0.079	0.003	
Beryllium		<0.001	0.001	
Aluminum		0.077	0.03	
Cadmium		<0.001	0.001	
Silicon		8.98	0.01	
Chromium		<0.01	0.01	
Copper		<0.006	0.006	
Iron		0.151	0.02	
Lead		<0.005	0.005	
Cyanide	mg/L	<0.1	0.01	4500 CN C+E
Conductivity	umhos/cm	2040	20	SM 2510 B
Enterococcus by MF	Colonies/100ml	<600	<1	SM 9230 C
Fluoride	mg/L	0.38	.03	4500 F B+C
Mercury	ug/L	<1	0.2	EPA 245.1
MTF for fecal coliform	MPN/100ml	230	---	SM 9221 E
MTF for total coliform	MPN/100ml	2100	---	SM 9221 B
Ammonia in DW by probe	mg N/L	<0.1	0.1	4500 NH3 D
pH	pH	8.53	---	SM 4500-H+ B
Total Alkalinity	mg/L as CaCO3	248	---	SM 2320 B
Total Dissolved Solids	mg/L	1480	14	SM 2540 C

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales

Mary Gonzales
Laboratory Supervisor

**City of Oceanside
Water Utilities Laboratory
Analytical Report**

Report Date March 29, 1999

Sample Location Benet Bridge

Laboratory ID AA09340

Sampler's Name LEDESMA

Sample Type GRAB

Collection Time 09/21/98 10:40

Released to Lab 09/22/98 11:37

Analyte	Units	Result	MDL	Method
Ion Chromatograph	mg/l	---	---	EPA 300
Sulfate		391	2.00	
Nitrate as N		2.06	0.115	
Nitrite as N		<MDL	0.005	
Chloride		342	2.0	
Metals by ICP	mg/L	---	---	EPA 200.7
Magnesium		88.0	0.2	
Zinc		<0.008	0.008	
Thallium		<0.001	0.001	
Strontium		0.745	0.001	
Sodium		205	1	
Silver		<0.01	0.01	
Calcium		170	0.2	
Selenium		<0.005	0.005	
Potassium		8.1	0.2	
Nickel		<0.01	0.01	
Molybdenum		0.014	0.004	
Manganese		0.308	0.002	
Boron		0.192	0.01	

Analyte	Units	Result	MDL	Method
Antimony		<0.006	0.006	
Arsenic		<0.002	0.002	
Barium		0.092	0.003	
Beryllium		<0.001	0.001	
Aluminum		0.094	0.03	
Cadmium		<0.001	0.001	
Silicon		8.67	0.01	
Chromium		<0.01	0.01	
Copper		<0.006	0.006	
Iron		0.556	0.02	
Lead		<0.005	0.005	
Cyanide	mg/L	<0.1	0.01	4500 CN C+E
Conductivity	umhos/cm	2240	20	SM 2510 B
Enterococcus by MF	Colonies/100ml	310	<1	SM 9230 C
Fluoride	mg/L	0.36	.03	4500 F B+C
Mercury	ug/L	<1	0.2	EPA 245.1
MTF for fecal coliform	MPN/100ml	>500	---	SM 9221 E
MTF for total coliform	MPN/100ml	>7000	---	SM 9221 B
Ammonia in DW by probe	mg N/L	<0.1	0.1	4500 NH3 D
pH	pH	8.00	---	SM 4500-H+ B
Total Alkalinity	mg/L as CaCO3	272	---	SM 2320 B
Total Dissolved Solids	mg/L	1350	14	SM 2540 C

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales

Mary Gonzales
Laboratory Supervisor

City of Oceanside
Water Utilities Laboratory
Analytical Report

SEP 15 P 12:56

Report Date September 16, 1998
Sample Location Bonsall Bridge
Laboratory ID AA04902
Sampler's Name LEDESMA
Sample Type GRAB
Collection Time 06/01/98 09:35
Released to Lab 06/01/98 11:40

Analyte	Units	Result	MDL	Method
Ion Chromatograph	mg/l	---	---	EPA 300
Chloride		206	2	
Nitrate		3.24	0.23	
Sulfate		326	2	
Metals by ICP	mg/L	---	---	EPA 200.7
Manganese		0.093	0.002	
Total Hardness as CaCO3		558	1	
Calcium Hardnes as CaCO3		302	0.5	
Zinc		<0.008	0.008	
Strontium		0.483	0.0006	
Sodium		141	1	
Silver		<0.01	0.01	
Silicon		14.8	0.01	
Potassium		5.30	0.2	
Nickel		<0.01	0.01	
Magnesium		62.2	0.2	
Iron		0.162	0.02	
Copper		<0.006	0.006	
Chromium		<0.01	0.01	

Analyte	Units	Result	MDL	Method
Calcium		121	0.2	
Boron		0.116	0.01	
Beryllium		<0.001	0.001	
Barium		0.073	0.01	
Aluminum		0.338	0.05	
Arsenic by Graphite Furnace AA	ug/L	3	2	EPA 200.9
Cadmium by Graphite Furnace AA	ug/L	<1	1	EPA 200.9
CYANIDE	mg/L	Not detected	0.01	4500 CN C+E
Conductivity	umhos/cm	1700	20	SM 2510 B
Enterococcus by MF	Colonies/100ml	210	<1	SM 9230 C
FLUORIDE	mg/L	0.32	.03	4500 F B+C
Mercury Drinking water and waste water	ug/L	<1	0.2	EPA 245.1
Methylene Blue Active Substances	mg/L	0.06	0.05	SM 5540 C
Molybdenum by Graphite Furnace AA	ug/L	10.8	4	EPA 200.9
MTF for fecal coliform	MPN/100ml	110	---	SM 9221 E
MTF for total coliform	MPN/100ml	700	---	SM 9221 B
AMMONIA IN DW BY PROBE	mg/L	<0.1	0.1	4500 NH3 D
pH	pH	7.98	---	SM 4500-H+ B
Total Alkalinity	mg/L as CaCO3	220	---	SM 2320 B
Total Dissolved Solids	mg/L	1130	14	SM 2540 C
Thallium by Graphite Furnace AA	ug/L	<1	1	EPA 200.9

**City of Oceanside
Water Utilities Laboratory
Analytical Report**

Report Date ENTER DATE

Sample Location Douglas Br

Laboratory ID AA04900

Sampler's Name LEDESMA

Sample Type GRAB

Composite Start

Collection Time 06/01/98 10:02

Released to Lab 06/01/98 11:40

Analyte	Units	Result	MDL	Method
Ion Chromatograph	mg/l	---	---	EPA 300
Chloride		216 ^{OK}	0.1	
Nitrate		3.21	0.11	
Sulfate		328	0.4	
Metals by ICP	mg/L	---	---	EPA 200.7
Manganese		0.058	0.002	
Total Hardness as CaCO ₃		546	1	
Calcium Hardnes as CaCO ₃		295	0.5	
Zinc		<0.008	0.008	
Strontium		0.496	0.0006	
Sodium		142	1	
Silver		<0.01	0.01	
Silicon		13.6	0.01	
Potassium		5.14	0.2	
Nickel		0.01	0.01	
Magnesium		60.9	0.2	
Iron		0.149	0.02	
Copper		<0.006	0.006	
Chromium		<0.01	0.01	

Analyte	Units	Result	MDL	Method
Calcium		118	0.2	
Boron		0.123	0.01	
Beryllium		<0.001	0.001	
Barium		0.073	0.01	
Aluminum		0.293	0.05	
Arsenic by Graphite Furnace AA	ug/L	2	2	EPA 200.9
BLANK NH3 IN DW BY PROBE	mg/L	na	0.1	4500 NH3 D
Cadmium by Graphite Furnace AA	ug/L	<1	1	EPA 200.9
CYANIDE	mg/L	Not detected	0.01	4500 CN C+E
Conductivity	umhos/cm	1660	20	SM 2510 B
Enterococcus by MF	Colonies/100ml	180	<1	SM 9230 C
FLUORIDE	mg/L	0.32	.03	4500 F B+C
Mercury Drinking water and waste water	ug/L	<1	0.2	EPA 245.1
Methylene Blue Active Substances	mg/L	0.06	0.05	SM 5540 C
Molybdenum by Graphite Furnace AA	ug/L	10.9	4	EPA 200.9
MTF for fecal coliform	MPN/100ml	170	---	SM 9221 E
MTF for total coliform	MPN/100ml	800	---	SM 9221 B
AMMONIA IN DW BY PROBE	mg/L	<0.1	0.1	4500 NH3 D
pH	pH	8.35	---	SM 4500-H+ B
Total Alkalinity	mg/L as CaCO3	225	---	SM 2320 B
Total Dissolved Solids	mg/L	1150	14	SM 2540 C
Thallium by Graphite Furnace AA	ug/L	<1	1	EPA 200.9

**City of Oceanside
Water Utilities Laboratory
Analytical Report**

Report Date September 16, 1998

Sample Location Benet Br

Laboratory ID AA04901

Sampler's Name LEDESMA

Sample Type GRAB

Collection Time 06/01/98 10:30

Released to Lab 06/01/98 11:40

Analyte	Units	Result	MDL	Method
Ion Chromatograph	Mg/l	---	---	EPA 300
Chloride		226	0.1	
Nitrate		2.40	0.23	
Sulfate		330	0.4	
Metals by ICP	Mg/L	---	---	EPA 200.7
Manganese		0.141	0.002	
Total Hardness as CaCO3		580	1	
Calcium Hardness as CaCO3		315	0.5	
Zinc		0.008	0.008	
Strontium		0.513	0.0006	
Sodium		156	1	
Silver		<0.01	0.01	
Silicon		8.25	0.0006	
Potassium		5.22	0.2	
Nickel		<0.01	0.01	
Magnesium		64.5	0.2	
Iron		0.284	0.02	
Copper		<0.006	0.006	
Chromium		<0.01	0.01	

Analyte	Units	Result	MDL	Method
Calcium		126	0.2	
Boron		0.129	0.01	
Beryllium		<0.001	0.001	
Barium		0.072	0.01	
Aluminum		0.288	0.05	
Arsenic by Graphite Furnace AA	Ug/L	2	2	EPA 200.9
Cadmium by Graphite Furnace AA	Ug/L	<1	1	EPA 200.9
CYANIDE	Mg/L	Not detected	0.01	4500 CN C+E
Conductivity	Umhos/cm	1610	20	SM 2510 B
Enterococcus by MF	Colonies/100ml	210	<1	SM 9230 C
FLUORIDE	Mg/L	0.32	.03	4500 F B+C
Mercury Drinking water and waste water	Ug/L	<1	0.2	EPA 245.1
Methylene Blue Active Substances	Mg/L	0.05	0.05	SM 5540 C
Molybdenum by Graphite Furnace AA	Ug/L	12.9	4	EPA 200.9
MTF for fecal coliform	MPN/100ml	220	---	SM 9221 E
MTF for total coliform	MPN/100ml	1700	---	SM 9221 B
AMMONIA IN DW BY PROBE	Mg/L	<0.1	0.1	4500 NH3 D
pH	PH	8.31	---	SM 4500-H+ B
Total Alkalinity	Mg/L as CaCO3	232	---	SM 2320 B
Total Dissolved Solids	Mg/L	1090	14	SM 2540 C
Thallium by Graphite Furnace AA	Ug/L	<1	1	EPA 200.9

City of Oceanside
Water Utilities Department Laboratory
San Luis Rey Wastewater Treatment Plant
3950 North River Road
Oceanside, California 92054

phone: 760-966-8772
fax: 760-966-8770

P.O. #

Date: June 1, 1998

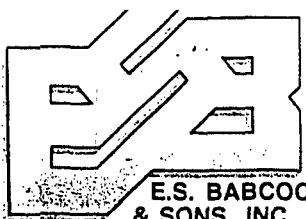
Samples	Date/Time Sampled	Analyze for:
San Luis Rey River @ Benet Road	01-Jun-98 @ 1030	EPA 507 - N-P pesticides EPA 508 - Chlorinated pesticides/PCBs EPA 515 - Chlorinated herbicides EPA 524.2 - Volatile organic compounds

The above sample(s) were released to E. S. Babcock & Sons by:

Mary Gonzalez, Lab Supervisor *Mary Gonzalez* 6/1/98 @ 1315
Name and title (print) Signature Date/time

The above sample(s) were received by E. S. Babcock & Sons by:

Name and title (print) Signature Date/time



E.S. BABCOCK & SONS, INC.

ESTABLISHED 1908

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

EX

ORGANIC CHEMICAL ANALYSIS (3/96) *** AMENDED REPORT ***

Date of Report: 07/09/98

Sample ID No. L42280-005

Laboratory

Signature Lab

Name: E.S. BABCOCK & SONS

Director: *William M. ...*

Name of Sampler:

Employed By: City of Oceanside

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 98/06/01/1030

Received @ Lab: 98/06/02/0920

Completed: 98/06/06

System

System

Name: OCEANSIDE, CITY OF

Number: 3710014

Name or Number of Sample Source: SAN LUIS REY RIVER @ BENET ROAD

* User ID: WAT

Station Number:

* Date/Time of Sample: |98|06|01|1030|

Laboratory Code: 4790

* YY MM DD TTTT

YY MM DD

* Date Analysis Completed: |98|06|06|

* Submitted by: _____

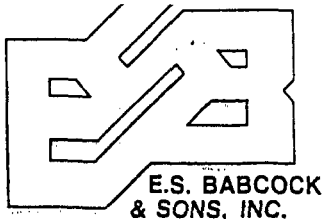
Phone #: _____

PAGE 1 OF 3

REGULATED ORGANIC CHEMICALS

Neg Def No. 524.2

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Bromodichloromethane	32101	ND		0.5
524.2	Bromoform	32104	ND		0.5
524.2	Chloroform (Trichloromethane)	32106	ND		0.5
524.2	Dibromochloromethane	32105	ND		0.5
524.2	Total Trihalomethanes (THM'S/ TTHM)	82080	ND	100	0.5
524.2	Benzene	34030	ND	1	0.5
524.2	Carbon Tetrachloride	32102	ND	.5	0.5
524.2	1,2-Dichlorobenzene (o-DCB)	34536	ND	600	0.5
524.2	1,4-Dichlorobenzene (p-DCB)	34571	ND	5	0.5
524.2	1,1-Dichloroethane (1,1-DCA)	34496	ND	5	0.5
524.2	1,2-Dichloroethane (1,2-DCA)	34531	ND	.5	0.5
524.2	1,1-Dichloroethylene (1,1-DCE)	34501	ND	6	0.5
524.2	cis-1,2-Dichloroethylene (c-1,2-DCE)	77093	ND	6	0.5
524.2	trans-1,2-Dichloroethylene (t-1,2-DCE)	34546	ND	10	0.5
524.2	Dichloromethane (Methylene Chloride)	34423	ND	5	0.5
524.2	1,2-Dichloropropane	34541	ND	5	0.5
524.2	Total 1,3-Dichloropropane	34561	ND	.5	0.5
524.2	Ethyl Benzene	34371	ND	700	0.5
524.2	Monochlorobenzene (Chlorobenzene)	34301	ND	70	0.5
524.2	Styrene	77128	ND	100	0.5
524.2	1,1,2,2-Tetrachloroethane	34516	ND	1	0.5
524.2	Tetrachloroethylene (PCE)	34475	ND	5	0.5
524.2	Toluene	34010	ND	150	0.5
524.2	1,2,4-Trichlorobenzene	34551	ND	70	0.5
524.2	1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	200	0.5
524.2	1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	5	0.5
524.2	Trichloroethylene (TCE)	39180	ND	5	0.5
524.2	Trichlorofluoromethane (FREON 11)	34488	ND	150	5.0



E.S. BABCOCK
& SONS, INC.

ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
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Environmental Laboratory Certification #1156

*** AMENDED REPORT ***

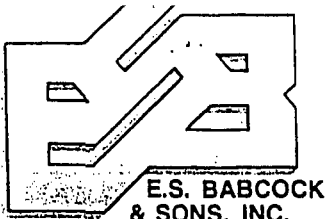
PAGE 2 OF 3

REGULATED ORGANIC CHEMICALS CONTINUED L42280-005

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Trichlorotrifluoroethane (FREON 113)	81611	ND	1200	10.0
524.2	Vinyl Chloride (VC)	39175	ND	.5	0.5
524.2	m,p-Xylene	A-014	ND		0.5
524.2	o-Xylene	77135	ND		0.5
524.2	Total Xylenes (m,p, & o)	81551	ND	1750	0.5
508	Endrin	39390	ND	2	0.10
508	Lindane (gamma-BHC)	39340	ND	.2	0.20
508	Methoxychlor	39480	ND	40	10.0
508	Toxaphene	39400	ND	3	1.0
508	Chlordane	39350	ND	.1	0.1
508	Heptachlor	39410	ND	.01	0.01
508	Heptachlor Epoxide	39420	ND	.01	0.01
	Atrazine (AATREX)	39033	ND	3	1.0
525.2	Molinate (ORDRAM)	82199	ND	20	2.0
525.2	Simazine (PRINCEP)	39055	ND	4	1.0
525.2	Thiobencarb (BOLERO)	A-001	ND	70	1.0
525.2	Alachlor (ALANEX)	77825	ND	2	1.0
515.1	Bentazon (BASAGRAN)	38710	ND	18	2.0
515.1	2,4-D	39730	ND	70	10.0
515.1	2,4,5-TP (SILVEX)	39045	ND	50	1.0
515.1	Dalapon	38432	ND	200	10.0
515.1	Dinoseb (DNBP)	81287	ND	7	2.0
508	Hexachlorobenzene	39700	ND	1	0.5
508	Hexachlorocyclopentadiene	34386	ND	50	1.0
515.1	Pentachlorophenol (PCP)	39032	ND	1	0.2
515.1	Picloram	39720	ND	500	1.0
508	Polychlorinated Biphenyls (Total PCB's)	39516	ND	.5	0.5

UNREGULATED ORGANIC CHEMICALS

524.2	Bromobenzene	81555	ND		0.5
524.2	Bromochloromethane	A-012	ND		0.5
524.2	Bromomethane (Methyl Bromide)	34413	ND		0.5
524.2	n-Butylbenzene	A-010	ND		0.5
524.2	sec-Butylbenzene	77350	ND		0.5
524.2	tert-Butylbenzene	77353	ND		0.5
524.2	Chloroethane	34311	ND		0.5
524.2	2-Chloroethylvinyl Ether	34576	ND		1.0
524.2	Chloromethane (Methyl Chloride)	34418	ND		0.5
524.2	2-Chlorotoluene	A-008	ND		0.5
524.2	4-Chlorotoluene	A-009	ND		0.5
524.2	Dibromomethane	77596	ND		0.5
524.2	1,3-Dichlorobenzene (m-DCB)	34566	ND		0.5
524.2	Dichlorodifluoromethane	34668	ND		1.0
524.2	1,3-Dichloropropane	77173	ND		0.5
524.2	2,2-Dichloropropane	77170	ND		0.5
524.2	1,1-Dichloropropene	77168	ND		0.5



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*** AMENDED REPORT ***

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PAGE 3 OF 3

UNREGULATED ORGANIC CHEMICALS CONTINUED L42280-005

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Hexachlorobutadiene	34391	ND		0.5
524.2	Isopropylbenzene (Cumene)	77223	ND		0.5
524.2	p-Isopropyltoluene	A-011	ND		0.5
524.2	Methyl tert-Butyl Ether (MTBE)	A-030	ND		5.0
524.2	Naphthalene	34696	ND		0.5
524.2	n-Propylbenzene	77224	ND		0.5
524.2	1,1,1,2-Tetrachloroethane	77562	ND		0.5
524.2	1,2,3-Trichlorobenzene	77613	ND		0.5
524.2	1,2,3-Trichloropropane	77443	ND		0.5
524.2	1,2,4-Trimethylbenzene	77222	ND		0.5
524.2	1,3,5-Trimethylbenzene	77226	ND		0.5
524.2	Methyl Ethyl Ketone (MEK, Butanone)	81595	ND		5.0
524.2	Methyl Isobutyl Ketone (MIBK)	81596	ND		5.0
524.2	bis (2-Chloroethyl) Ether	34273	ND		5.0
508	Aldrin	39330	ND		0.075
525.2	Bromacil (HYVAR)	82198	ND		10.0
525.2	Butachlor	77860	ND		0.38
508	Chlorothalonil (DACONIL, BRAVO)	70314	ND		5.0
525.2	Diazinon	39570	ND		0.25
515.1	Dicamba (BANVEL)	82052	ND		1.5
508	Dieldrin	39380	ND		0.02
525.2	Dimethoate (CYGON)	38458	ND		10.0
525.2	Diuron	39650	ND		1.0
525.2	Metolachlor	39356	ND		
525.2	Metribuzin	81408	ND		
525.2	Prometryn (CAPAROL)	39057	ND		2.0
508	Propachlor	38533	ND		0.5



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

LABORATORY REPORT

Barry Martin
Assistant Water Utilities Director
City of Oceanside
300 North Coast Highway
Oceanside, California 92054

Sample ID: San Luis Rey River
Benet Road bridge
Date sampled: 16-Mar-98
Date sample received: 16-Mar-98

Sample ID: AA02609

Analyte	Method	Results
Chloride	4110 B	233 mg/L
Cyanide	4500CN C&E	ND <0.01 mg/L
Conductivity	2510 B	1760 umhos/cm
Fluoride	4110 B	0.40 mg/L
Ammonia as nitrogen	4500NH ₃ D	ND <0.1 mg/L
Nitrite as nitrogen	4110 B	ND <0.01 mg/L
Nitrate as nitrogen	4110 B	5.50 mg/L
MBAS	5540 C	ND <0.05 mg/L
pH	4500-H B	8.16
Sulfate	4110 B	330 mg/L
Total dissolved solids	2540 C	1187 mg/L
Total alkalinity as CaCO ₃	2320 B	235 mg/L
Total hardness as CaCO ₃	2340 B	600 mg/L
Total coliform	9221 B	1100 MPN/100ml
Fecal coliform	9221 E	80 MPN/100ml
Enterococcus	9230 C	95 MPN/100ml

Methods: Standard Methods for the Examination of Water and Wastewater, 18th edition.

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor

xc: water admin, file



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

page 2

San Luis Rey River, Benet Road Bridge

Date sampled: 16-Mar-98

LABORATORY REPORT

Analyte	Method	Results
Aluminum	200.7 *	0.16 mg/L
Antimony	200.9 *	ND <6 ug/L
Arsenic	200.9 *	2 ug/L
Barium	200.7 *	0.079 mg/L
Beryllium	200.7 *	ND <0.3 ug/L
Boron	200.7 *	0.146 mg/L
Calcium	200.7 *	128 mg/L
Cadmium	200.9 *	ND <1 ug/L
Chromium	200.7 *	ND <0.01 mg/L
Copper	200.7 *	ND <0.05 mg/L
Iron	200.7 *	0.116 mg/L
Lead	200.9 *	ND <5 ug/L
Magnesium	200.7 *	68.3 mg/L
Manganese	200.7 *	0.070 mg/L
Mercury	245.1 *	ND <1 ug/L
Molybdenum	200.9 *	12.5 ug/L
Nickel	200.7 *	ND <0.01 mg/L
Potassium	200.7 *	6.80 mg/L
Selenium	200.9 *	ND <5 ug/L
Silicon	200.7 *	13.6 mg/L
Silver	200.7 *	ND <0.01 mg/L
Sodium	200.7 *	175 mg/L
Strontium	200.7 *	0.611 mg/L
Thallium	200.9 *	ND <1 ug/L
Zinc	200.7 *	ND <0.008 mg/L

Methods: * EPA Methods for the Determination of Metals in Environmental Samples,
May 1994.

City of Oceanside
 Water Utilities Department Laboratory
 San Luis Rey Wastewater Treatment Plant
 3950 North River Road
 Oceanside, California 92054

phone: 760-966-8772
 fax: 760-966-8770

P.O. # 53621

Date: March 16, 1998

Samples	Date/Time Sampled	Analyze for:
San Luis Rey River @ Benet Road	16-Mar-98 @ 0923 hrs	EPA 507 - N-P pesticides EPA 508 - Chlorinated pesticides/PCBs EPA 515 - Chlorinated herbicides EPA 524.2 - Volatile organic compounds EPA 525.2 - Semi-volatile organic compounds

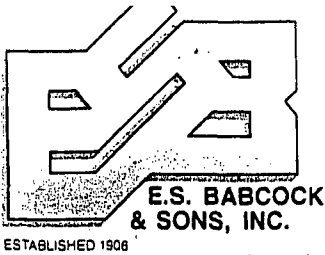
The above sample(s) were released to E. S. Babcock & Sons by:

Mary Gonzales Lab Supervisor *Mary Gonzales* 3/16/98 @ 1230
 Name and title (print) Signature Date/time

The above sample(s) were received by E. S. Babcock & Sons by:

Deborah Bvidenastine - Sample Receiving *D. Bvidenastine* 03/17/98 0915
 Name and title (print) Signature Date/time

City of Oceanside 53621



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EX

ORGANIC CHEMICAL ANALYSIS (3/96)

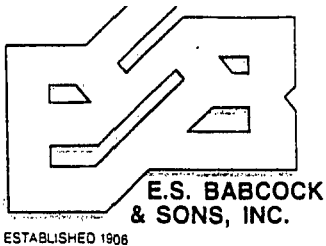
Date of Report: 03/31/98
 Laboratory Name: E.S. BABCOCK & SONS
 Name of Sampler:
 Date/Time Sample Collected: 98/03/16/0923

Sample ID No. L39514-001
 Signature Lab
 Director: *[Signature]*
 Employed By: City of Oceanside
 Date/Time Sample Received @ Lab: 98/03/17/0915
 Date Analyses Completed: 98/03/26

=====
 System Name: OCEANSIDE, CITY OF
 Name or Number of Sample Source: SAN LUIS REY RIVER
 System Number: 3710014

 * User ID: WAT Station Number: *
 * Date/Time of Sample: |98|03|16|0923| Laboratory Code: 4790 *
 * YY MM DD TTTT YY MM DD *
 * Date Analysis Completed: |98|03|26| *
 * Submitted by: _____ Phone #: _____ *

TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Bromodichloromethane	32101	ND		0.5
524.2	Bromoform	32104	ND		0.5
524.2	Chloroform (Trichloromethane)	32106	ND		0.5
524.2	Dibromochloromethane	32105	ND		0.5
524.2	Total Trihalomethanes (THM'S/ TTHM)	82080	ND	100	0.5
524.2	Benzene	34030	ND	1	0.5
524.2	Carbon Tetrachloride	32102	ND	.5	0.5
524.2	1,2-Dichlorobenzene (o-DCB)	34536	ND	600	0.5
524.2	1,4-Dichlorobenzene (p-DCB)	34571	ND	5	0.5
524.2	1,1-Dichloroethane (1,1-DCA)	34496	ND	5	0.5
524.2	1,2-Dichloroethane (1,2-DCA)	34531	ND	.5	0.5
524.2	1,1-Dichloroethylene (1,1-DCE)	34501	ND	6	0.5
524.2	cis-1,2-Dichloroethylene (c-1,2-DCE)	77093	ND	6	0.5
524.2	trans-1,2-Dichloroethylene (t-1,2-DCE)	34546	ND	10	0.5
524.2	Dichloromethane (Methylene Chloride)	34423	ND	5	0.5
524.2	1,2-Dichloropropane	34541	ND	5	0.5
524.2	Total 1,3-Dichloropropene	34561	ND	.5	0.5
524.2	Ethyl Benzene	34371	ND	700	0.5
524.2	Monochlorobenzene (Chlorobenzene)	34301	ND	70	0.5
524.2	Styrene	77128	ND	100	0.5
524.2	1,1,2,2-Tetrachloroethane	34516	ND	1	0.5
524.2	Tetrachloroethylene (PCE)	34475	ND	5	0.5
524.2	Toluene	34010	ND	150	0.5
524.2	1,2,4-Trichlorobenzene	34551	ND	70	0.5
524.2	1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	200	0.5
524.2	1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	5	0.5
524.2	Trichloroethylene (TCE)	39180	ND	5	0.5
524.2	Trichlorofluoromethane (FREON 11)	34488	ND	150	5.0

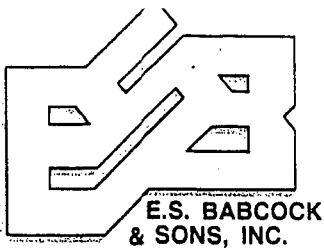


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 Environmental Laboratory Certification #1156

TEST METHOD	CHEMICAL, ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Trichlorotrifluoroethane (FREON 113)	81611	ND	1200	10.0
524.2	Vinyl Chloride (VC)	39175	ND	.5	0.5
524.2	m,p-Xylene	A-014	ND		0.5
524.2	o-Xylene	77135	ND		0.5
524.2	Total Xylenes (m,p, & o)	81551	ND	1750	0.5
508	Endrin	39390	ND	2	0.10
508	Lindane (gamma-BHC)	39340	ND	.2	0.20
508	Methoxychlor	39480	ND	40	10.0
508	Toxaphene	39400	ND	3	1.0
508	Chlordane	39350	ND	.1	0.1
525.2	Diethylhexylphthalate (DEHP)	39100	ND	4	3.0
508	Heptachlor	39410	ND	.01	0.01
508	Heptachlor Epoxide	39420	ND	.01	0.01
525.2	Atrazine (AATREX)	39033	ND	3	1.0
525.2	Molinate (ORDRAM)	82199	ND	20	2.0
525.2	Simazine (PRINCEP)	39055	ND	4	1.0
525.2	Thiobencarb (BOLERO)	A-001	ND	70	1.0
525.2	Alachlor (ALANEX)	77825	ND	2	1.0
515.1	Bentazon (BASAGRAN)	38710	ND	18	2.0
525.2	Benzo(a)pyrene	34247	ND	.2	0.1
515.1	2,4-D	39730	ND	70	10.0
515.1	2,4,5-TP (SILVEX)	39045	ND	50	1.0
515.1	Dalapon	38432	ND	200	10.0
515.1	Dinoseb (DNBP)	81287	ND	7	2.0
515.1	Diquat	78885	ND	20	4.0
525.2	Di(2-ethylhexyl) Adipate	A-026	ND	400	5.0
508	Hexachlorobenzene	39700	ND	1	0.5
508	Hexachlorocyclopentadiene	34386	ND	50	1.0
515.1	Pentachlorophenol (PCP)	39032	ND	1	0.2
515.1	Picloram	39720	ND	500	1.0
508	Polychlorinated Biphenyls (Total PCB's)	39516	ND	.5	0.5

UNREGULATED ORGANIC CHEMICALS

524.2	Bromobenzene	81555	ND		0.5
524.2	Bromochloromethane	A-012	ND		0.5
524.2	Bromomethane (Methyl Bromide)	34413	ND		0.5
524.2	n-Butylbenzene	A-010	ND		0.5
524.2	sec-Butylbenzene	77350	ND		0.5
524.2	tert-Butylbenzene	77353	ND		0.5
524.2	Chloroethane	34311	ND		0.5
524.2	2-Chloroethylvinyl Ether	34576	ND		1.0
524.2	Chloromethane (Methyl Chloride)	34418	ND		0.5
524.2	2-Chlorotoluene	A-008	ND		0.5
524.2	4-Chlorotoluene	A-009	ND		0.5
524.2	Dibromomethane	77596	ND		0.5
524.2	1,3-Dichlorobenzene (m-DCB)	34566	ND		0.5



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TEST METHOD	CHEMICAL ALL CHEMICALS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
524.2	Dichlorodifluoromethane	34668	ND		1.0
524.2	1,3-Dichloropropane	77173	ND		0.5
524.2	2,2-Dichloropropane	77170	ND		0.5
524.2	1,1-Dichloropropene	77168	ND		0.5
524.2	Hexachlorobutadiene	34391	ND		0.5
524.2	Isopropylbenzene (Cumene)	77223	ND		0.5
524.2	p-Isopropyltoluene	A-011	ND		0.5
524.2	Methyl tert-Butyl Ether (MTBE)	A-030	ND		5.0
524.2	Naphthalene	34696	ND		0.5
524.2	n-Propylbenzene	77224	ND		0.5
524.2	1,1,1,2-Tetrachloroethane	77562	ND		0.5
524.2	1,2,3-Trichlorobenzene	77613	ND		0.5
524.2	1,2,3-Trichloropropane	77443	ND		0.5
524.2	1,2,4-Trimethylbenzene	77222	ND		0.5
524.2	1,3,5-Trimethylbenzene	77226	ND		0.5
524.2	Methyl Ethyl Ketone (MEK, Butanone)	81595	ND		5.0
524.2	Methyl Isobutyl Ketone (MIBK)	81596	ND		5.0
524.2	bis (2-Chloroethyl) Ether	34273	ND		5.0
508	Aldrin	39330	ND		0.075
525.2	Bromacil (HYVAR)	82198	ND		10.0
525.2	Butachlor	77860	ND		0.35
508	Chlorothalonil (DACONIL, BRAVO)	70314	ND		5.0
525.2	Diazinon	39570	ND		0.25
515.1	Dicamba (BANVEL)	82052	ND		1.5
508	Dieldrin	39380	ND		0.02
525.2	Dimethoate (CYGON)	38458	ND		10.0
525.2	Diuron	39650	ND		1.0
525.2	Metolachlor	39356	ND		
525.2	Metribuzin	81408	ND		
525.2	Prometryn (CAPAROL)	39057	ND		2.0
508	Propachlor	38533	ND		0.5

Laboratory comments and description of any additional compounds found:

Notes: Benet Road



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

LABORATORY REPORT

Barry Martin
Assistant Water Utilities Director
City of Oceanside
300 North Coast Highway
Oceanside, California 92054


Sample ID: San Luis Rey River
Douglas Road Bridge
Date sampled: 16-Mar-98
Date sample received: 16-Mar-98

Sample ID: AA02610

Analyte	Method	Results
Chloride	4110 B	230 mg/L
Cyanide	4500CN C&E	ND <0.01 mg/L
Conductivity	2510 B	1730 umhos/cm
Fluoride	4110 B	0.34 mg/L
Ammonia as nitrogen	4500NH ₃ D	ND <0.10 mg/L
Nitrite as nitrogen	4110 B	ND <0.01 mg/L
Nitrate as nitrogen	4110 B	6.03 mg/L
MBAS	5540 C	ND <0.05 mg/L
pH	4500-H B	8.18
Sulfate	4110 B	335 mg/L
Total dissolved solids	2540 C	1180 mg/L
Total alkalinity as CaCO ₃	2320 B	235 mg/L
Total hardness as CaCO ₃	2340 B	603 mg/L
Total coliform	9221 B	1300 MPN/100ml
Fecal coliform	9221 E	220 MPN/100ml
Enterococcus	9230 C	460 MPN/100ml

Methods: Standard Methods for the Examination of Water and Wastewater, 18th edition.

WATER UTILITIES DEPARTMENT LABORATORY, by


Mary Gonzales
Laboratory Supervisor

xc: water admin, file



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

page 2

San Luis Rey River, Douglas Road Bridge

Date sampled: 16-Mar-98

LABORATORY REPORT

Analyte	Method	Results
Aluminum	200.7 *	0.21 mg/L
Antimony	200.9 *	ND <6 ug/L
Arsenic	200.9 *	5 ug/L
Barium	200.7 *	0.080 mg/L
Beryllium	200.7 *	ND <0.3 ug/L
Boron	200.7 *	0.137 mg/L
Calcium	200.7 *	128 mg/L
Cadmium	200.9 *	ND <1 ug/L
Chromium	200.7 *	ND <0.01 mg/L
Copper	200.7 *	ND <0.05 mg/L
Iron	200.7 *	0.163 mg/L
Lead	200.9 *	ND <5 ug/L
Magnesium	200.7 *	68.8 mg/L
Manganese	200.7 *	0.058 mg/L
Mercury	245.1 *	ND <1 ug/L
Molybdenum	200.9 *	11.7 ug/L
Nickel	200.7 *	ND <0.01 mg/L
Potassium	200.7 *	6.52 mg/L
Selenium	200.9 *	ND <5 ug/L
Silicon	200.7 *	15.4 mg/L
Silver	200.7 *	ND <0.01 mg/L
Sodium	200.7 *	167 mg/L
Strontium	200.7 *	0.588 mg/L
Thallium	200.9 *	ND <1 ug/L
Zinc	200.7 *	ND <0.008 mg/L

Methods: * EPA Methods for the Determination of Metals in Environmental Samples,
May 1994.



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

LABORATORY REPORT

Barry Martin
Assistant Water Utilities Director
City of Oceanside
300 North Coast Highway
Oceanside, California 92054

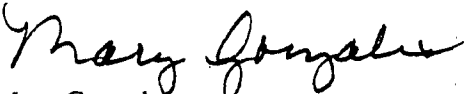
Sample ID: San Luis Rey River
Bonsall Bridge
Date sampled: 16-Mar-98
Date sample received: 16-Mar-98

Sample ID: AA02611

Analyte	Method	Results
Chloride	4110 B	216 mg/L
Cyanide	4500CN C&E	ND <0.01 mg/L
Conductivity	2510 B	1700 umhos/cm
Fluoride	4110 B	0.34 mg/L
Ammonia as nitrogen	4500NH ₃ D	ND <0.10 mg/L
Nitrite as nitrogen	4110 B	ND <0.01 mg/L
Nitrate as nitrogen	4110 B	6.18 mg/L
MBAS	5540 C	ND <0.05 mg/L
pH	4500-H B	7.98
Sulfate	4110 B	334 mg/L
Total dissolved solids	2540 C	1160 mg/L
Total alkalinity as CaCO ₃	2320 B	225 mg/L
Total hardness as CaCO ₃	2340 B	597 mg/L
Total coliform	9221 B	300 MPN/100ml
Fecal coliform	9221 E	50 MPN/100ml
Enterococcus	9230 C	80 MPN/100ml

Methods: Standard Methods for the Examination of Water and Wastewater, 18th edition.

WATER UTILITIES DEPARTMENT LABORATORY, by


Mary Gonzales
Laboratory Supervisor

xc: water admin, file



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

page 2

San Luis Rey River, Bonsall Bridge

Date sampled: 16-Mar-98

LABORATORY REPORT

Analyte	Method	Results
Aluminum	200.7 *	0.26 mg/L
Antimony	200.9 *	ND <6 ug/L
Arsenic	200.9 *	5 ug/L
Barium	200.7 *	0.083 mg/L
Beryllium	200.7 *	ND <0.3 ug/L
Boron	200.7 *	0.130 mg/L
Calcium	200.7 *	127 mg/L
Cadmium	200.9 *	ND <1 ug/L
Chromium	200.7 *	ND <0.01 mg/L
Copper	200.7 *	ND <0.05 mg/L
Iron	200.7 *	0.211 mg/L
Lead	200.9 *	ND <5 ug/L
Magnesium	200.7 *	68.0 mg/L
Manganese	200.7 *	0.218 mg/L
Mercury	245.1 *	ND <1 ug/L
Molybdenum	200.9 *	10.4 ug/L
Nickel	200.7 *	ND <0.01 mg/L
Potassium	200.7 *	6.52 mg/L
Selenium	200.9 *	ND <5 ug/L
Silicon	200.7 *	15.8 mg/L
Silver	200.7 *	ND <0.01 mg/L
Sodium	200.7 *	165 mg/L
Strontium	200.7 *	0.584 mg/L
Thallium	200.9 *	ND <1 ug/L
Zinc	200.7 *	ND <0.008 mg/L

Methods: * EPA Methods for the Determination of Metals in Environmental Samples,
May 1994.



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

LABORATORY REPORT

2001 MAY 15 P 12:55

Barry Martin
Assistant Water Utilities Director
City of Oceanside
300 North Coast Highway
Oceanside, California 92054

Sample ID: San Luis Rey River
Bonsall Bridge
Date sampled: 27-Oct-97
Date sample received: 27-Oct-97

Analyte	Method	Results
Chloride	4110 B	421 mg/l
Cyanide	4500CN C&E	ND <0.01 mg/l
Conductivity	2510 B	2590 umhos/cm
Fluoride	4110 B	ND <0.2 mg/l
Ammonia as nitrogen	4500NH ₃ D	ND <0.1 mg/l
Nitrite as nitrogen	4110 B	ND <0.01 mg/l
Nitrate as nitrogen	4110 B	ND <0.23 mg/l
pH	4500-H B	8.05
Sulfate	4110 B	459 mg/l
Total dissolved solids	2540 C	1900 mg/l
Total alkalinity as CaCO ₃	2320 B	320 mg/l
Total hardness as CaCO ₃	2340 B	931 mg/l
Total coliform	9221 B	500 MPN/100ml
Fecal coliform	9221 E	80 MPN/100ml
Enterococcus	9230 C	70 MPN/100ml

Methods: Standard Methods for the Examination of Water and Wastewater, 18th edition.

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor

xc: water admin, file



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

page 2

San Luis Rey River, Bonsall Bridge

Date sampled: 27-Oct-97

LABORATORY REPORT

Analyte	Method	Results
Aluminum	200.7 *	ND <0.04 mg/l
Antimony	200.9 *	ND <5 ug/l
Arsenic	200.9 *	3 ug/l
Barium	200.7 *	0.081 mg/l
Beryllium	200.7 *	0.3 ug/l
Boron	200.7 *	0.204 mg/l
Calcium	200.7 *	187 mg/l
Cadmium	200.9 *	ND <1 ug/l
Chromium	200.7 *	ND <0.01 mg/l
Copper	200.7 *	ND <0.006 mg/l
Iron	200.7 *	ND <0.02 mg/l
Lead	200.9 *	ND <5 ug/l
Magnesium	200.7 *	113 mg/l
Manganese	200.7 *	0.014 mg/l
Mercury	245.1 *	ND <1 ug/l
Molybdenum	200.9 *	11.5 ug/l
Nickel	200.7 *	ND <0.01 mg/l
Potassium	200.7 *	6.23 mg/l
Selenium	200.9 *	ND <5 ug/l
Silicon	200.7 *	12.5 mg/l
Silver	200.7 *	ND <0.01 mg/l
Sodium	200.7 *	262 mg/l
Strontium	200.7 *	0.802 mg/l
Thallium	200.9 *	ND <1 ug/l
Zinc	200.7 *	ND <0.008 mg/l

Methods: * EPA Methods for the Determination of Metals in Environmental Samples,
May 1994.



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

LABORATORY REPORT

Barry Martin
Assistant Water Utilities Director
City of Oceanside
300 North Coast Highway
Oceanside, California 92054

Sample ID: San Luis Rey River
Douglas Street Bridge
Date sampled: 27-Oct-97
Date sample received: 27-Oct-97

Analyte	Method	Results
Chloride	4110 B	342 mg/l
Cyanide	4500CN C&E	ND <0.01 mg/l
Conductivity	2510 B	2110 umhos/cm
Fluoride	4110 B	ND <0.2 mg/l
Ammonia as nitrogen	4500NH ₃ D	ND <0.1 mg/l
Nitrite as nitrogen	4110 B	ND <0.01 mg/l
Nitrate as nitrogen	4110 B	ND <0.23 mg/l
pH	4500-H B	7.58
Sulfate	4110 B	347 mg/l
Total dissolved solids	2540 C	1500 mg/l
Total alkalinity as CaCO ₃	2320 B	255 mg/l
Total hardness as CaCO ₃	2340 B	716 mg/l
Total coliform	9221 B	210 MPN/100ml
Fecal coliform	9221 E	4 MPN/100ml
Enterococcus	9230 C	180 MPN/100ml

Methods: Standard Methods for the Examination of Water and Wastewater, 18th edition.

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor

xc: water admin, file



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

page 2

San Luis Rey River, Douglas Street Bridge

Date sampled: 27-Oct-97

LABORATORY REPORT

Analyte	Method	Results
Aluminum	200.7 *	ND <0.04 mg/l
Antimony	200.9 *	ND <5 ug/l
Arsenic	200.9 *	3 ug/l
Barium	200.7 *	0.099 mg/l
Beryllium	200.7 *	ND <0.3 ug/l
Boron	200.7 *	0.202 mg/l
Calcium	200.7 *	147 mg/l
Cadmium	200.9 *	ND <1 ug/l
Chromium	200.7 *	ND <0.01 mg/l
Copper	200.7 *	ND <0.006 mg/l
Iron	200.7 *	0.039 mg/l
Lead	200.9 *	ND <5 ug/l
Magnesium	200.7 *	84.8 mg/l
Manganese	200.7 *	0.083 mg/l
Mercury	245.1 *	ND <1 ug/l
Molybdenum	200.9 *	15.1 ug/l
Nickel	200.7 *	ND <0.01 mg/l
Potassium	200.7 *	8.12 mg/l
Selenium	200.9 *	ND <5 ug/l
Silicon	200.7 *	13.4 mg/l
Silver	200.7 *	ND <0.01 mg/l
Sodium	200.7 *	210 mg/l
Strontium	200.7 *	0.758 mg/l
Thallium	200.9 *	ND <1 ug/l
Zinc	200.7 *	ND <0.008 mg/l

Methods: * EPA Methods for the Determination of Metals in Environmental Samples,
May 1994.



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

LABORATORY REPORT

Barry Martin
Assistant Water Utilities Director
City of Oceanside
300 North Coast Highway
Oceanside, California 92054

Sample ID: San Luis Rey River
Benet Road bridge
Date sampled: 27-Oct-97
Date sample received: 27-Oct-97

Analyte	Method	Results
Chloride	4110 B	805 mg/l
Cyanide	4500CN C&E	ND <0.01 mg/l
Conductivity	2510 B	3610 umhos/cm
Fluoride	4110 B	ND <0.2 mg/l
Ammonia as nitrogen	4500NH ₃ D	ND <0.1 mg/l
Nitrite as nitrogen	4110 B	ND <0.01 mg/l
Nitrate as nitrogen	4110 B	ND <0.23 mg/l
pH	4500-H B	8.05
Sulfate	4110 B	541 mg/l
Total dissolved solids	2540 C	2660 mg/l
Total alkalinity as CaCO ₃	2320 B	375 mg/l
Total hardness as CaCO ₃	2340 B	1110 mg/l
Total coliform	9221 B	2800 MPN/100ml
Fecal coliform	9221 E	260 MPN/100ml
Enterococcus	9230 C	170 MPN/100ml

Methods: Standard Methods for the Examination of Water and Wastewater, 18th edition.

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor

xc: water admin, file



CITY OF OCEANSIDE

WATER UTILITIES DEPARTMENT LABORATORY

page 2

San Luis Rey River, Benet Road Bridge

Date sampled: 27-Oct-97

LABORATORY REPORT

Analyte	Method	Results
Aluminum	200.7 *	0.09 mg/l
Antimony	200.9 *	ND <5 ug/l
Arsenic	200.9 *	3 ug/l
Barium	200.7 *	0.122 mg/l
Beryllium	200.7 *	ND <0.3 ug/l
Boron	200.7 *	0.275 mg/l
Calcium	200.7 *	212 mg/l
Cadmium	200.9 *	ND <1 ug/l
Chromium	200.7 *	ND <0.01 mg/l
Copper	200.7 *	ND <0.006 mg/l
Iron	200.7 *	0.099 mg/l
Lead	200.9 *	ND <5 ug/l
Magnesium	200.7 *	141 mg/l
Manganese	200.7 *	0.085 mg/l
Mercury	245.1 *	ND <1 ug/l
Molybdenum	200.9 *	13.4 ug/l
Nickel	200.7 *	ND <0.01 mg/l
Potassium	200.7 *	7.29 mg/l
Selenium	200.9 *	ND <5 ug/l
Silicon	200.7 *	7.53 mg/l
Silver	200.7 *	ND <0.01 mg/l
Sodium	200.7 *	455 mg/l
Strontium	200.7 *	1.46 mg/l
Thallium	200.9 *	ND <1 ug/l
Zinc	200.7 *	ND <0.008 mg/l

Methods: * EPA Methods for the Determination of Metals in Environmental Samples,
May 1994.

City of Oceanside
Water Utilities Department Laboratory
San Luis Rey Wastewater Treatment Plant
3950 North River Road
Oceanside, California 92054

phone: 760-966-8772
fax: 760-966-8770

P.O. # 53114

Date: October 29, 1997

Samples	Date/Time Sampled	Analyze for:
San Luis Rey River at Benet Rd	grab sample 0938 27-Oct-97	EPA 504-EDB/DBCP <i>Novials</i> EPA 507-N&P pest EPA 508-pest/pcb <i>515?</i> EPA 524-VOC EPA 525-semivolatiles total petroleum hydrocarbons
	grab sample 0855 29-Oct-97	

Mission Basin Desalting Facility Well 1, Well 2, Product	grab samples 0920 29-Oct-97	EPA 524-VOC
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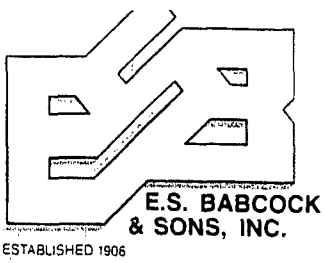
The above sample(s) were released to E. S. Babcock & Sons by:

Mary Gonzalez - lab Supervisor Mary Gonzalez 10-29-97 1230
Name and title (print) Signature Date/time

The above sample(s) were received by E. S. Babcock & Sons by:

Angela Downey Angela Downey 10/30/97 1045
Name and title (print) Signature Date/time

copy of ~~lab~~ *lab* 654760



6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

5697-53114

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SAN LUIS REY RIVER
Site: @ BENET RD.
Description:

Matrix: water

Page: 1 of 1
Lab No.: L34760-001

Date Reported: 11/13/97

Collected By:

Date: 10/27/97

Time: 0938

Submitted By: UPS

Date: 10/30/97

Time: 1045

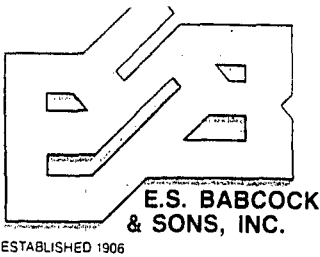
<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
DBCP	ND ug/L	EPA 504.1	0.01	971103/HG
EDB	ND ug/L	EPA 504.1	0.02	971103/HG

ND = None detected at RL (Reporting Limit). RL units same as result.

EDB/DBCP results confirmed on second column.

cc:

E. S. Babcock & Sons Inc.



6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

11/13/97

To: City of Oceanside
Attn: Mary Gonzales
3950 N. River Road
Oceanside, CA 92054

Lab No. L34760-001

Submitted	Sampled
UPS	
10/30/97	10/27/97
10:45	09:38
Chain of Custody on file: Yes	

Sample Marked: San Luis Rey River
@ Benet Rd. Water

Result ($\mu\text{g/L}$)	DLR ($\mu\text{g/L}$)
-------------------------------	----------------------------

EPA Method 525.2 (EPA 507 analytes)

Alachlor	ND	1
Atrazine	ND	1
Bromacil	ND	10
Butachlor	ND	0.38
Diazinon	ND	0.25
Dimethoate	ND	10
Diuron	ND	1.0
Metolachlor	ND	1.0
Metribuzin	ND	0.15
Molinate	ND	2.0
Prometryn	ND	2.0
Simazine	ND	1
Thiobencarb	ND	1.0

Batch Date/Analyst: 118117/97JES

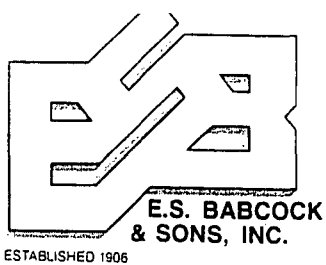
EPA Method 525.2

Diethylhexyladipate	ND	5
Diethylhexylphthalate	ND	3
Benzo(a) Pyrene	ND	0.1

Batch Date/Analyst: 11/11/97JES

ND = None Detected at DLR
DLR = Detection Limit For Reporting

Edward S. Babcock & Sons, Inc.



6100 Quail Valley Court Riverside, CA 92507
 P.O. Box 432 Riverside, CA 92502
 PH (909) 653-3351 FAX (909) 653-1662
 Environmental Laboratory Certification #1156

5697-53114

Client:

City of Oceanside
 Mary Gonzales
 3950 N. River Road

Oceanside, CA 92054

Client I.D.: SAN LUIS REY RIVER

Site: @ BENET RD.

Description:

Matrix: water

Page: 1
 Lab No.: L34760-001

Date Reported: 11/13/97

Collected By:

Date: 10/27/97

Time: 0938

Submitted By: UPS

Date: 10/30/97

Time: 1045

EPA 508

<u>Constituent</u>	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>	<u>RL</u>
Endrin	ND ug/L	0.1	Aldrin	ND ug/L	0.05
Heptachlor	ND ug/L	0.01	Heptachlor Epoxide	ND ug/L	0.01
Hexachlorobenzene	ND ug/L	0.5	Hexachlorocyclopentadiene	ND ug/L	1.0
Lindane	ND ug/L	0.2	Methoxychlor	ND ug/L	10.
Chlordane	ND ug/L	0.1	PCB'S (as DCB)	ND ug/L	0.5
Chlorothalonil	ND ug/L	5.0	Propachlor	ND ug/L	0.5
Toxaphene	ND ug/L	1.0	Dieldrin	ND ug/L	0.02

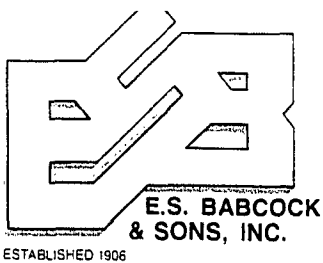
Date analyzed / Analyst: 11/05/97 / HG

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons, Inc.

Lawrence J. Campbell



6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

5697-53114

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SAN LUIS REY RIVER

Site: @ BENET RD.

Description:

Matrix: water

Page: 2
Lab No.: L34760-001

Date Reported: 11/13/97

Collected By:

Date: 10/27/97

Time: 0938

Submitted By: UPS

Date: 10/30/97

Time: 1045

<u>Constituent</u>	EPA 515.1				<u>Constituent</u>	<u>Result</u>	<u>RL</u>
	<u>Result</u>	<u>RL</u>	<u>Constituent</u>	<u>Result</u>			
Bentazon	ND	ug/L	2.0	2,4-D	ND	ug/L	10.
Dicamba	ND	ug/L	1.5	Dinoseb	ND	ug/L	2.0
Pentachlorophenol	ND	ug/L	0.2	Pichloram	ND	ug/L	1.0
Silvex	ND	ug/L	1.0	Dalapon	ND	ug/L	10.

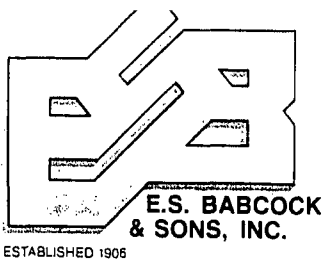
Date analyzed / Analyst: 971105 / HG

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons Inc.

Lawrence J. Chappell



6100 Quail Valley Court Riverside, CA 92507
 P.O. Box 432 Riverside, CA 92502
 PH (909) 653-3351 FAX (909) 653-1662
 Environmental Laboratory Certification #1156

11/6/97

To: City of Oceanside
 Attn: Mary Gonzales
 3950 N. River Road
 Oceanside, CA 92054

Lab No.	L34760-001
Customer No.	5697

Client ID: SAN LUIS REY RIVER
 Site: @ BENET RD.
 Description:

Submitted	Sampled
UPS	
10/30/97	10/27/97
10:45	9:38

Volatile Organic Compounds
EPA METHOD 524.2

Parameter	Results (ug/L)	RL (ug/L)	Parameter	Results (ug/L)	RL (ug/L)
1,1,1,2-Tetrachloroethane	ND	0.5	Chlorobenzene	ND	0.5
1,1,1-Trichloroethane	ND	0.5	Chloroethane	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	Chloroform	ND	0.5
1,1,2-Trichloroethane	ND	0.5	Chloromethane	ND	0.5
1,1-Dichloroethane	ND	0.5	cis-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethene	ND	0.5	cis-1,3-Dichloropropene	ND	0.5
1,1-Dichloropropene	ND	0.5	Dibromochloromethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5	Dibromomethane	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5	Dichlorodifluoromethane	ND	1.0
1,2,4-Trichlorobenzene	ND	0.5	Ethylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5	Hexachlorobutadiene	ND	0.5
1,2-Dichlorobenzene	ND	0.5	Isopropylbenzene	ND	0.5
1,2-Dichloroethane	ND	0.5	Methylene Chloride	ND	3.0
1,2-Dichloropropane	ND	0.5	Methyl tert Butyl Ether	ND	5.0
1,3,5-Trimethylbenzene	ND	0.5	n-Butylbenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5	n-Propylbenzene	ND	0.5
1,3-Dichloropropane	ND	0.5	Napthalene	ND	0.5
1,4-Dichlorobenzene	ND	0.5	p-Isopropyltoluene	ND	0.5
2,2-Dichloropropane	ND	0.5	sec-Butylbenzene	ND	0.5
2-Butanone (MEK)	ND	5.0	Styrene	ND	0.5
2-Chloroethylvinyl Ether	ND	1.0	tert-Butylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5	Tetrachloroethene	ND	0.5
4-Chlorotoluene	ND	0.5	Toluene	ND	0.5
4-Methyl-2-Pentanone (MIBK)	ND	5.0	trans-1,2-Dichloroethene	ND	0.5
bis(2-Chloroethyl) Ether	ND	5.0	trans-1,3-Dichloropropene	ND	0.5
Benzene	ND	0.5	Trichloroethene	ND	0.5
Bromobenzene	ND	0.5	Trichlorofluoromethane	ND	5.0
Bromochloromethane	ND	0.5	Trichlorotrifluoroethane	ND	10
Bromodichloromethane	ND	0.5	Xylenes (m+p)	ND	0.5
Bromoform	ND	0.5	Xylene (ortho)	ND	0.5
Bromomethane	ND	0.5	Vinyl Chloride	ND	0.5
Carbon Tetrachloride	ND	0.5			

Date analyzed/Analyst: 11/01/97 / DI

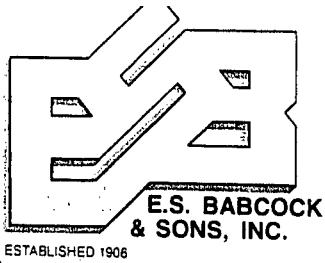
Edward S. Babcock & Sons, Inc.

ND=None detected at Reporting Limit (RL)

Notes:

cc:

Edward S. Babcock



6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

5697-53114

Client:

City of Oceanside
Mary Gonzales
3950 N. River Road

Oceanside, CA 92054

Client I.D.: SAN LUIS REY RIVER

Site: @ BENET RD.

Description:

Matrix: water

Page: 1 of 1
Lab No.: L34760-002

Date Reported: 11/13/97

Collected By:

Date: 10/29/97

Time: 0855

Submitted By: UPS

Date: 10/30/97

Time: 1045

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Total Petroleum Hydrocarbons	150 ug/L	EPA 418.1	100	971104/RA/

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons Inc.

OGDEN ENVIRONMENTAL AND ENERGY SERVICES

Ogden Bioassay Lab
5550 Morehouse Drive, Suite B
San Diego, CA 92121
858 458 9044 phone
858 458 0943 fax

Ogden Bioassay Northwest
5009 Pacific Highway East, Suite 2-0
Fife, WA 98424
253 922 4296 phone
253 922 4296 fax

00-145-3164
April 12, 2000

Ogden I.D. Test No. 0003- 080
California Lab Certification No. 1802

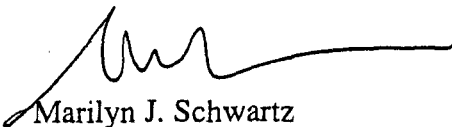
Ms. Mary Gonzales
City of Oceanside
3950 N. River Road
Oceanside, CA 92054

Dear Ms. Gonzales: *Mary,*

Enclosed is a report of the bioassay tests recently conducted by our laboratory on samples submitted by your firm. The samples were analyzed in accordance with United States Environmental Protection Agency and State of California Department of Fish and Game methodologies.

Please feel free to call me at (858) 458-9044, ext. 300 if you wish to discuss the results. Thank you for your consideration.

Sincerely,



Marilyn J. Schwartz
Manager, Ogden Bioassay Lab

MJS:css

Enclosure

cc: File No. 3-2146-1000-0001-3164

Ogden Environmental and Energy Services
San Diego Bioassay Laboratory
5550 Morehouse Drive, Suite B
San Diego, California 92121
Phone: 858-458-9044
Fax: 858-458-0943

SUMMARY REPORT

Test Period: March 2000

Submittal: 11 April 2000

Client: City of Oceanside
Ogden Test Number: 0003-080

Sample Information

Facility: City of Oceanside
Sample ID: San Luis Rey River @ Benet Road
Test Period: March 2000
Sample Date: 3/3/00
Sample Receipt Date: 3/15/00
Sampling Method: Grab
Test Material: Ambient river sample

Test Specifications

Initation Date: 3/16/00
Termination Date: 3/20/00
Test Organism: *Pimephales promelas* (Fathead minnow)
Test Organism Source: Aquatic Biosystems
Test Organism Age: 11 days
Dilution Water: 8:2 EPA Standard Lab Freshwater
Test Concentrations: 100, 50, 25, 12.5, and 6.25 percent; plus lab controls
Protocol Used: EPA, 1991
Statistical Analysis Software: TOXCALC, version 5.0

City of Oceanside – Summary Bioassay Results for SLR River Sample – March 2000

Test Species and Procedure	Results (LC50 in % effluent)	TUc value (toxicity units)
Fathead minnow acute survival assay	>100	0.41

Appendix A

***Pimephales promelas* (Fathead minnow) Survival**

Test Data and Statistical Summaries

Client: City of Oceanside
 Sample ID: SLR River
 Contact: Mary Gonzales
 Test #: 0003-080

Start Date & Time: 3-16-00 1200
 End Date & Time: 3-20-00 1100
 Test Organism: P. promelas
 Test Protocol: EPA 91 Acute

Concentration or Percent	Rep	Number of Live Organisms					D.O. (mg/L)					pH (mg/L)					Conductivity (µmhos-cm)				Test Temperature (°C)				% Surv.	
							Init.		Fin.			Init.		Fin.			Init.		Fin.		Init.		Fin.			
		0	24	48	72	96	0	24	48	48	72	96	0	24	48	48	72	96	0	48	48	96	0	24		48
Control	A	10	10	10	10	10	8.4	-	8.1	8.0	8.0	7.9	8.12	8.08	-	8.07	168	188	173	176	20.1	20.5	20.6	20.5	20.6	100
	B	10	10	10	10	10																				100
6.25%	A	10	10	10	10	10	8.6	-	8.2	8.0	7.8	8.09	8.12	8.10	-	8.14	298	341	310	312	19.3	20.5	20.5	20.5	20.4	100
	B	10	10	10	10	10																				100
12.5%	A	10	10	10	10	10	8.6	-	8.4	8.1	8.0	8.12	8.12	8.15	-	8.24	434	500	446	458	19.4	20.6	20.5	20.5	20.5	100
	B	10	10	10	10	10																				100
25%	A	10	9	9	9	9	8.8	-	8.5	7.8	8.1	8.11	8.10	8.19	-	8.29	712	804	720	731	19.8	20.6	20.5	20.5	20.5	90
	B	10	10	10	10	10																				100
50%	A	10	10	10	10	10	9.0	-	9.0	7.9	8.0	8.07	8.08	8.24	-	8.42	1220	1337	1226	1220	19.9	20.6	20.6	20.4	20.5	100
	B	10	10	10	10	10																				100
100%	A	10	10	10	10	10	9.7	-	10.0	8.0	8.1	8.01	8.01	8.42	-	8.52	2130	2340	2120	2130	20.1	20.5	20.6	20.4	20.5	100
	B	10	10	10	9	9																				90

Technician Initials: JR GD AR ZM

Conc.	Alkalinity* (mg/L as CaCO ₃)	Hardness*	Chlorine Residual (mg/L)
Control	74	82	<0.01
Highest conc.	276	770	<0.01

Sample Description: clear, no debris, no odor, yellow-brown tint

Comments: 0 hrs: organisms 11 days old
 24 hrs: _____
 48 hrs: fed 0815
 72 hrs: _____
 96 hrs: _____

Ogden Bioassay Laboratory
 5550 Morehouse Dr., Suite. B
 San Diego, CA 92121
 (858) 458-9044

Reviewed: [Signature] 4-11-00 QA check: JC 4/4/00

Appendix B

Chain-of-Custody Form

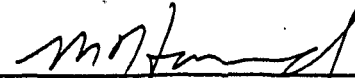


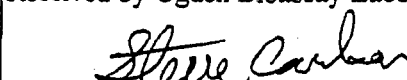
City of Oceanside Water Utilities Department Laboratory
 San Luis Rey Wastewater Treatment Plant
 3950 North River Road
 Oceanside, California 92054

phone: 760-966-8772
 fax: 760-966-8770

To: Ogden Bioassay Labs

P.O. # 55807

Date: March 15, 2000

Sample Description	Date/Time Sampled	Analyze for:
SLR River @ Benet Rd grab sample	03-March-00 @ 1200	Acute toxicity
Relinquished by:		Relinquished by:
		
(Signature)	1520 (Time)	1650 (Time)
Hammond		Robert Rose 152
(Printed name)	3/15/00 (Date)	3/15/00 (Date)
Received by:		Received by Ogden Bioassay Labs
		
(Signature)	1520 (Time)	1650 (Time)
Robert Rose 152		Steve Carlson
(Printed name)	3/15/00 (Date)	3/15/00 (Date)