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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hardness</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Calcium</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Magnesium</td>
<td></td>
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</tr>
<tr>
<td>Sodium</td>
<td></td>
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</tr>
<tr>
<td>Ammonia-Nitrogen</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Total Alkalinity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydroxide</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Carbonate</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Bicarbonate</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Sulfate</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Chloride</td>
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<td></td>
</tr>
<tr>
<td>Nitrate-Nitrogen</td>
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<tr>
<td>Fluoride</td>
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<td>pH</td>
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<tr>
<td>Specific Conductance</td>
<td></td>
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<tr>
<td>Total Dissolved Solids</td>
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<td></td>
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<tr>
<td>Cyanide</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ortho Phosphate Phosphorus</td>
<td></td>
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<tr>
<td>Total Phosphorus</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Kjeldahl Nitrogen</td>
<td></td>
<td></td>
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<tr>
<td>Aggressive Index</td>
<td></td>
<td></td>
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<td>Langelier Index Calculated at 25 °C</td>
<td></td>
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<tr>
<td>Temperature at Lab</td>
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</tr>
<tr>
<td>Aluminum</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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

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

cc:
Laboratory Results

5697-57495
Client: City of Oceanside
Mary Gonzales
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Client I.D.: SLR RIVER @BONSALL

Site: Description:
Matrix: wastewater

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Arsenic</td>
<td>ND</td>
<td>mg/L</td>
<td>0.005</td>
<td>001129/DAV</td>
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<tr>
<td>Barium</td>
<td>0.06</td>
<td>mg/L</td>
<td>0.02</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Beryllium</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>mg/L</td>
<td>0.002</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>mg/L</td>
<td>0.02</td>
<td>001129/DAV</td>
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<tr>
<td>Copper</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Iron</td>
<td>0.05</td>
<td>mg/L</td>
<td>0.02</td>
<td>001129/LT</td>
</tr>
<tr>
<td>Lead</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Manganese</td>
<td>0.10</td>
<td>mg/L</td>
<td>0.01</td>
<td>001129/DAV</td>
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<tr>
<td>Mercury</td>
<td>ND</td>
<td>mg/L</td>
<td>0.005</td>
<td>001129/DAV</td>
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<tr>
<td>Nickel</td>
<td>ND</td>
<td>mg/L</td>
<td>0.02</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Selenium</td>
<td>0.016</td>
<td>mg/L</td>
<td>0.005</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Silver</td>
<td>ND</td>
<td>mg/L</td>
<td>0.2</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Thallium</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Zinc</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
</tbody>
</table>

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

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

CC: ESB Project Reviewer
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

EPA Method 608

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

Surr Percent Recovery: 88.3%

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

cc: [Signature]

ESB Project Reviewer
<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hardness</td>
<td>780 mg/L</td>
<td>EPA 200.7</td>
<td>3.</td>
<td>001129/LT</td>
</tr>
<tr>
<td>Calcium</td>
<td>160 mg/L</td>
<td>EPA 200.7</td>
<td>1.</td>
<td>001129/LT</td>
</tr>
<tr>
<td>Magnesium</td>
<td>89 mg/L</td>
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<td>1.</td>
<td>001129/LT</td>
</tr>
<tr>
<td>Sodium</td>
<td>220 mg/L</td>
<td>SM4500-NH3</td>
<td>0.1</td>
<td>001130/KS</td>
</tr>
<tr>
<td>Ammonia-Nitrogen</td>
<td>ND mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001129/LA</td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td>320 mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001129/LA</td>
</tr>
<tr>
<td>Hydroxide</td>
<td>ND mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001129/LA</td>
</tr>
<tr>
<td>Carbonate</td>
<td>ND mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001129/LA</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>390 mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001129/LA</td>
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<tr>
<td>Sulfate</td>
<td>270 mg/L</td>
<td>EPA 300.0</td>
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<td>001201/DU</td>
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<td>Chloride</td>
<td>240 mg/L</td>
<td>EPA 300.0</td>
<td>1.</td>
<td>001201/DU</td>
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<tr>
<td>Nitrate-Nitrogen</td>
<td>0.4 mg/L</td>
<td>EPA 300.0</td>
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<td>001216/DU</td>
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<tr>
<td>Fluoride</td>
<td>0.3 mg/L</td>
<td>EPA 340.2</td>
<td>0.1</td>
<td>001130/LA</td>
</tr>
<tr>
<td>pH</td>
<td>7.7 units</td>
<td>EPA 150.1</td>
<td>1</td>
<td>001128/DU</td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>2320 umho/cm</td>
<td>EPA 120.1</td>
<td>1.0</td>
<td>001128/DU</td>
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<tr>
<td>Total Dissolved Solids</td>
<td>1580 mg/L</td>
<td>EPA 160.1</td>
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<td>001218/RLS</td>
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<tr>
<td>Cyanide</td>
<td>ND mg/L</td>
<td>EPA 335.4</td>
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<td>001129/TF</td>
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<tr>
<td>Ortho Phosphate Phosphorus</td>
<td>0.06 mg/L</td>
<td>SM 4500-PF</td>
<td>0.05</td>
<td>001130/HGA</td>
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<td>Total Phosphorus</td>
<td>0.32 mg/L</td>
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<td>Nitrite-Nitrogen</td>
<td>ND mg/L</td>
<td>EPA 354.1</td>
<td>0.1</td>
<td>001129/LA</td>
</tr>
<tr>
<td>Kjeldahl Nitrogen</td>
<td>0.8 mg/L</td>
<td>EPA 351.2</td>
<td>0.1</td>
<td>001205/KS</td>
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<tr>
<td>Aggressive Index</td>
<td>13.1</td>
<td>Calculation</td>
<td>0.1</td>
<td>001220/SFR</td>
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<tr>
<td>Langelsier Index Calculated</td>
<td>1.3</td>
<td>Calculation</td>
<td>0.1</td>
<td>001220/SFR</td>
</tr>
<tr>
<td>Temperature at Lab</td>
<td>25.0°C</td>
<td>SM 2650B</td>
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<td>001128/MTF</td>
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<tr>
<td>Aluminum</td>
<td>0.2 mg/L</td>
<td>EPA 200.7</td>
<td>0.1</td>
<td>001129/LT</td>
</tr>
</tbody>
</table>

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

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

CC:
**Laboratory Results**

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

Client I.D.: SLR RIVER @DOUGLAS  

Site:  
Description:  

**Matrix:** wastewater  

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result (mg/L)</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Arsenic</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.005</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Barium</td>
<td>0.08</td>
<td>EPA 200.8</td>
<td>0.02</td>
<td>001129/DAV</td>
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<td>Beryllium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.002</td>
<td>001129/DAV</td>
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<td>Total Chromium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.02</td>
<td>001129/DAV</td>
</tr>
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<td>Copper</td>
<td>ND</td>
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<td>001129/DAV</td>
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<td>0.93</td>
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<td>001129/LT</td>
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<td>0.01</td>
<td>001129/DAV</td>
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<tr>
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<td>0.01</td>
<td>001129/DAV</td>
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<td>0.0005</td>
<td>001129/DAV</td>
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<td>Nickel</td>
<td>ND</td>
<td>EPA 200.8</td>
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<td>001129/DAV</td>
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<td>Selenium</td>
<td>0.016</td>
<td>EPA 200.8</td>
<td>0.005</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Silver</td>
<td>ND</td>
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<td>0.01</td>
<td>001129/DAV</td>
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<tr>
<td>Thallium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.2</td>
<td>001129/DAV</td>
</tr>
<tr>
<td>Zinc</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>001129/DAV</td>
</tr>
</tbody>
</table>

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

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

cc:  

ESB Project Reviewer

---

**Note:** The sample was collected on 11/27/00 and submitted on 11/28/00 by Fed Ex. The results were reported on 12/21/00.
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

HPLC / UV

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>ND</td>
<td>150</td>
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</tbody>
</table>

Date analyzed / Analyst: 11-29-2000 / SM
ND = None detected at RL (Reporting Limit). RL units same as result.

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

Date: 11-29-2000 / SM
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ESB Project Reviewer
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Matrix: water

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
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<tbody>
<tr>
<td>Dibromochloropropane</td>
<td>ND ug/L</td>
<td>0.01</td>
<td>Ethylene dibromide</td>
<td>ND ug/L</td>
<td>0.02</td>
</tr>
</tbody>
</table>

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

cc:  

ESB Project Reviewer
Laboratory Results

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

Client I.D.: SLR RIVER @BENET DR

Site: water

EPA Method 507

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
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<td>Alachlor</td>
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<td>Dimethoate</td>
<td>ND</td>
<td>1.0</td>
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<tr>
<td>Diuron</td>
<td>ND</td>
<td>1.0</td>
<td>Metolachlor</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Metribuzin</td>
<td>ND</td>
<td>0.2</td>
<td>Molinate</td>
<td>ND</td>
<td>2.0</td>
</tr>
<tr>
<td>Prometryn</td>
<td>ND</td>
<td>2.0</td>
<td>Simazine</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Thiobencarb</td>
<td>ND</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 12-02-2000 / JS
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

ESB Project Reviewer
### Laboratory Results

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

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

#### EPA Method 515.1

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bentazon</td>
<td>ND</td>
<td>2.0</td>
<td>2,4-D</td>
<td>ND</td>
<td>10.0</td>
</tr>
<tr>
<td>Dicamba</td>
<td>ND</td>
<td>0.08</td>
<td>Dinoseb</td>
<td>ND</td>
<td>2.0</td>
</tr>
<tr>
<td>Pentachlorophenol</td>
<td>ND</td>
<td>0.2</td>
<td>Pichloram</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>2,4,5-TF Silvex</td>
<td>ND</td>
<td>1.0</td>
<td>Dalapon</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>DCPAA</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Surr Percent Recovery:** 92.0%

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

---

**Page: 4**  
**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  

---

**ESB Project Reviewer**: [Signature]
Laboratory Results

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

Client I.D.: SLR RIVER @BENET DR

Site: Description:

Matrix: water

EPA Method 524.2

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

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

**5697-57495**  
**Client:** City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054  

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

**Matrix:** water

---

#### EPA Method 524.2

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-1,3-Dichloropropene</td>
<td>ND</td>
<td>0.5</td>
<td>Bis(2-Chloroethyl)Ether</td>
<td>ND</td>
<td>5.0</td>
</tr>
<tr>
<td>Trichloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>Bromobenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Trichlorofluoromethane</td>
<td>ND</td>
<td>5.0</td>
<td>Bromochloromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Trichlorotrifluoromethane</td>
<td>ND</td>
<td>10.0</td>
<td>Bromodichloromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Bromoform</td>
<td>ND</td>
<td>0.5</td>
<td>Vinyl Chloride</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Bromomethane</td>
<td>ND</td>
<td>0.5</td>
<td>Xylenes (m+p)</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Xylenes (ortho)</td>
<td>ND</td>
<td>0.5</td>
<td>Carbon Tetrachloride</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Chlorobenzene</td>
<td>ND</td>
<td>0.5</td>
<td>1,4-Dioxane</td>
<td>ND</td>
<td>10.0</td>
</tr>
<tr>
<td>tert-Amyl Methyl Ether</td>
<td>ND</td>
<td>3.0</td>
<td>Ethyl tert-Butyl Ether</td>
<td>ND</td>
<td>3.0</td>
</tr>
<tr>
<td>1,2-Dichloroethane-d4</td>
<td>-</td>
<td></td>
<td>Toluene-d8</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Surr Percent Recovery</td>
<td>115.0%</td>
<td></td>
<td>Surr Percent Recovery</td>
<td>82.1%</td>
<td></td>
</tr>
</tbody>
</table>

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

**cc:**  

---

**ESB Project Reviewer**
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

EPA Method 525.2

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEH-Adipate</td>
<td>ND</td>
<td>ug/L</td>
<td>5.0</td>
<td>DEH-Phthalate</td>
<td>ND</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>ND</td>
<td>ug/L</td>
<td>0.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

CC:

ESB Project Reviewer
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

EPA Method 608

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4'-DDD</td>
<td>ND</td>
<td>0.1</td>
<td>Chlordane</td>
<td>ND</td>
<td>0.1</td>
</tr>
<tr>
<td>4,4'-DDE</td>
<td>ND</td>
<td>0.04</td>
<td>d-BHC</td>
<td>ND</td>
<td>0.09</td>
</tr>
<tr>
<td>4,4'-DDT</td>
<td>ND</td>
<td>0.1</td>
<td>Dieldrin</td>
<td>ND</td>
<td>0.02</td>
</tr>
<tr>
<td>α-BHC</td>
<td>ND</td>
<td>0.03</td>
<td>Endosulfan I</td>
<td>ND</td>
<td>0.1</td>
</tr>
<tr>
<td>Aldrin</td>
<td>ND</td>
<td>0.04</td>
<td>Endosulfan II</td>
<td>ND</td>
<td>0.04</td>
</tr>
<tr>
<td>Aroclor 1016</td>
<td>ND</td>
<td>0.5</td>
<td>Endosulfan Sulfate</td>
<td>ND</td>
<td>0.7</td>
</tr>
<tr>
<td>Aroclor 1221</td>
<td>ND</td>
<td>0.5</td>
<td>Endrin</td>
<td>ND</td>
<td>0.06</td>
</tr>
<tr>
<td>Aroclor 1232</td>
<td>ND</td>
<td>0.5</td>
<td>Endrin Alddehyde</td>
<td>ND</td>
<td>0.2</td>
</tr>
<tr>
<td>Aroclor 1242</td>
<td>ND</td>
<td>0.5</td>
<td>Heptachlor</td>
<td>ND</td>
<td>0.01</td>
</tr>
<tr>
<td>Aroclor 1248</td>
<td>ND</td>
<td>0.5</td>
<td>Heptachlor Epoxide</td>
<td>ND</td>
<td>0.01</td>
</tr>
<tr>
<td>Aroclor 1254</td>
<td>ND</td>
<td>0.5</td>
<td>Lindane</td>
<td>ND</td>
<td>0.04</td>
</tr>
<tr>
<td>Aroclor 1260</td>
<td>ND</td>
<td>0.5</td>
<td>Methoxychlor</td>
<td>ND</td>
<td>1.8</td>
</tr>
<tr>
<td>b-BHC</td>
<td>ND</td>
<td>0.06</td>
<td>Toxaphene</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>BZ-198</td>
<td>ND</td>
<td></td>
<td></td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

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

5697-57495  
Client: City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054  

Client I.D.: SLR RIVER @BENET DR  

Description:  

Matrix: water

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hardness</td>
<td>940 mg/L</td>
<td>Calculation</td>
<td>3.</td>
<td>001129/LT</td>
</tr>
<tr>
<td>Calcium</td>
<td>210 mg/L</td>
<td>EPA 200.7</td>
<td>1.</td>
<td>001129/LT</td>
</tr>
<tr>
<td>Magnesium</td>
<td>100 mg/L</td>
<td>EPA 200.7</td>
<td>1.</td>
<td>001129/LT</td>
</tr>
<tr>
<td>Sodium</td>
<td>290 mg/L</td>
<td>EPA 200.7</td>
<td>1.</td>
<td>001129/LT</td>
</tr>
<tr>
<td>Ammonia-Nitrogen</td>
<td>ND</td>
<td>SM4500-NH3 H</td>
<td>0.1</td>
<td>001130/KS</td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td>360 mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001123/LA</td>
</tr>
<tr>
<td>Hydroxide</td>
<td>ND</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001123/LA</td>
</tr>
<tr>
<td>Carbonate</td>
<td>ND</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001123/LA</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>440 mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>001123/LA</td>
</tr>
<tr>
<td>Sulfate</td>
<td>350 mg/L</td>
<td>EPA 300.0</td>
<td>0.5</td>
<td>001122/DU</td>
</tr>
<tr>
<td>Chloride</td>
<td>350 mg/L</td>
<td>EPA 300.0</td>
<td>1.</td>
<td>001120/DU</td>
</tr>
<tr>
<td>Nitrate-Nitrogen</td>
<td>ND</td>
<td>EPA 300.0</td>
<td>0.1</td>
<td>001128/DU</td>
</tr>
<tr>
<td>Fluoride</td>
<td>0.4 mg/L</td>
<td>SM 4500-FC</td>
<td>0.1</td>
<td>001130/LA</td>
</tr>
<tr>
<td>pH</td>
<td>7.9 units</td>
<td>SM 4500-H</td>
<td></td>
<td>001121/DU</td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>2920 umho/cm</td>
<td>SM 2510</td>
<td>1.0</td>
<td>001121/DU</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>19000 µg/L</td>
<td>SM 2540C</td>
<td></td>
<td>0.0 001128/RLS</td>
</tr>
<tr>
<td>Cyanide</td>
<td>ND</td>
<td>SM 4500-CN F</td>
<td>0.1</td>
<td>001130/CW</td>
</tr>
<tr>
<td>Ortho Phosphate Phosphorus</td>
<td>ND</td>
<td>SM 4500-PB</td>
<td>0.05</td>
<td>001130/HGA</td>
</tr>
<tr>
<td>Total Phosphorus</td>
<td>0.12 mg/L</td>
<td>SM 4500-PB4B</td>
<td>0.05</td>
<td>001126/HGA</td>
</tr>
<tr>
<td>Nitrite-Nitrogen</td>
<td>ND</td>
<td>SM 4500-N02B</td>
<td>0.1</td>
<td>001129/LA</td>
</tr>
<tr>
<td>Kjeldahl Nitrogen</td>
<td>0.5 mg/L</td>
<td>EPA 351.2</td>
<td>0.1</td>
<td>001120/KS</td>
</tr>
<tr>
<td>Aggressive Index</td>
<td>13.4 none</td>
<td>Calculation</td>
<td>0.1</td>
<td>001120/SFR</td>
</tr>
<tr>
<td>Langemier Index Calculated at 25 C</td>
<td>1.6 none</td>
<td>Calculation</td>
<td>0.1</td>
<td>001120/SFR</td>
</tr>
<tr>
<td>Temperature at Lab</td>
<td>25 °C</td>
<td>SM 2550B</td>
<td></td>
<td>001128/NFT</td>
</tr>
<tr>
<td>Aluminum</td>
<td>ND</td>
<td>EPA 200.7</td>
<td>0.05</td>
<td>001129/LT</td>
</tr>
</tbody>
</table>

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.
Laboratory Results

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

Client I.D.: SLR RIVER @BENET DR

Date Reported: 12/21/00

Collected By:
Date: 11/27/00
Time: 1330

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

Matrix: water

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony</td>
<td>ND</td>
<td>mg/L</td>
<td>0.006</td>
<td>001128/DAV</td>
</tr>
<tr>
<td>Arsenic</td>
<td>0.004</td>
<td>mg/L</td>
<td>0.002</td>
<td>001128/DAV</td>
</tr>
<tr>
<td>Barium</td>
<td>ND</td>
<td>mg/L</td>
<td>0.1</td>
<td>001128/DAV</td>
</tr>
<tr>
<td>Beryllium</td>
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<td>mg/L</td>
<td>0.001</td>
<td>001128/DAV</td>
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<tr>
<td>Cadmium</td>
<td>ND</td>
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<td>0.001</td>
<td>001128/DAV</td>
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<tr>
<td>Total Chromium</td>
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<td>mg/L</td>
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<td>001128/DAV</td>
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<tr>
<td>Copper</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001128/DAV</td>
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<tr>
<td>Iron</td>
<td>0.44</td>
<td>mg/L</td>
<td>0.02</td>
<td>001129/LT</td>
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<td>Lead</td>
<td>ND</td>
<td>mg/L</td>
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<td>001128/DAV</td>
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<tr>
<td>Manganese</td>
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<td>0.01</td>
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<td>Mercury</td>
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<td>mg/L</td>
<td>0.001</td>
<td>001129/DAY</td>
</tr>
<tr>
<td>Nickel</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001128/DAV</td>
</tr>
<tr>
<td>Selenium</td>
<td>0.010</td>
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<td>Silver</td>
<td>ND</td>
<td>mg/L</td>
<td>0.01</td>
<td>001129/DAY</td>
</tr>
<tr>
<td>Thallium</td>
<td>ND</td>
<td>mg/L</td>
<td>0.001</td>
<td>001128/DAV</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.60</td>
<td>mg/L</td>
<td>0.01</td>
<td>001128/DAV</td>
</tr>
</tbody>
</table>

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:

ESB Project Reviewer
San Diego Regional Water Quality Control Board:
1999 Biological Assessment Annual Report
City of Oceanside Water Utilities Department Laboratory
San Luis Rey Wastewater Treatment Plant
5950 North River Road
Oceanside, California 92054

phone: 760-966-8772
date: September 19, 2000

To: E. S. Babcock & Sons

P.O. # 57495

<table>
<thead>
<tr>
<th>Sample Description</th>
<th>Date/Time Sampled</th>
<th>Analyze for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLR River @ Benet Rd</td>
<td>19-Sep-00 @ 0909</td>
<td>CN, Fluoride, Nitrate, Nitrite, Cl, Alkalinity</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Corrosivity, Sulfate, orthoPO₄,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hardness, ec, TDS, Al, Sb, As, Ba, Be, Cd</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cr, Cu, Fe, Pb, Mn, Mg, Hg, Ni, Se, Ag</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ti, Zn, Ca, Na, TKN, ammonia</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 504 - EDB, DBCP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 507 - Atrazine, etc</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 608 - Pest/pcb</td>
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<tr>
<td></td>
<td></td>
<td>EPA 515.1 - Cl herbicides</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 524.2 - VOC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 525 - DEHP, DEHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>formaldehyde, oil/grease - EPA 1664.</td>
</tr>
<tr>
<td>SLR River @ Douglas Dr</td>
<td>19-Sep-00 @ 1147</td>
<td>analyze both samples for:</td>
</tr>
<tr>
<td>SLR River @ Bonsall</td>
<td>19-Sep-00 @ 1210</td>
<td>CN, Fluoride, Nitrate, Nitrite, Cl, Alkalinity</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hardness, ec, TDS, Al, Sb, As, Ba, Be, Cd</td>
</tr>
<tr>
<td>SLR River @ Pacific St</td>
<td>19-Sep-00 @</td>
<td>NO₂, NO₃, NH₄, TKN, TPO₄, O-PO₄</td>
</tr>
<tr>
<td></td>
<td></td>
<td>at 11:24-1 ct.</td>
</tr>
</tbody>
</table>

Relinquished by: Mary Gonzalez

Received by: E. S. Babcock & Sons

Signature: Mary Gonzalez

Date: 9/19/00

Received by: Karen Tracy

Signature: Karen Tracy

Date: 9/20/00
Laboratory Results

5697-57495
Client: City of Oceanside
Mary Gonzales
3950 N. River Road
Oceanside, CA 92054

Client I.D.: SLR RIVER @ PACIFIC

Date Reported: 10/09/00
Collected By:
Date: 09/19/00
Time: 0000
Submitted By: Fed. Exp.
Date: 09/20/00
Time: 0845

Description: wastewater

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia-Nitrogen</td>
<td>ND</td>
<td>SM4500-NH3</td>
<td>H</td>
<td>0.1 000927/KS</td>
</tr>
<tr>
<td>Nitrate-Nitrogen</td>
<td>1.7</td>
<td>EPA 300.0</td>
<td>0.2</td>
<td>000922/MH</td>
</tr>
<tr>
<td>Ortho Phosphate Phosphorus</td>
<td>0.22</td>
<td>SM 4500-P</td>
<td>0.05</td>
<td>000921/HGA</td>
</tr>
<tr>
<td>Total Phosphorus</td>
<td>0.42</td>
<td>SM 4500-P84E</td>
<td>0.05</td>
<td>000927/HGA</td>
</tr>
<tr>
<td>Nitrite-Nitrogen</td>
<td>ND</td>
<td>EPA 354.1</td>
<td>0.1</td>
<td>000921/LA</td>
</tr>
<tr>
<td>Kjeldahl Nitrogen</td>
<td>0.7</td>
<td>EPA 351.2</td>
<td>0.1</td>
<td>000926/KS</td>
</tr>
</tbody>
</table>

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
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

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

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

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

cc:
# Laboratory Results

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

## Client I.D.:
SLR RIVER @ BONSALL

## Site:

## Description:

## Matrix:
wastewater

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.02</td>
<td>00929/DA</td>
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<tr>
<td>Copper</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>00929/DA</td>
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<tr>
<td>Iron</td>
<td>0.11 mg/L</td>
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<td>Lead</td>
<td>ND</td>
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<td>0.01</td>
<td>00929/DA</td>
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<tr>
<td>Manganese</td>
<td>0.18 mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>00929/DA</td>
</tr>
<tr>
<td>Mercury</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.0005</td>
<td>00929/DA</td>
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<td>Nickel</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.02</td>
<td>00929/DA</td>
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<tr>
<td>Selenium</td>
<td>0.007 mg/L</td>
<td>EPA 200.8</td>
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<td>Silver</td>
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<td>EPA 200.8</td>
<td>0.01</td>
<td>00929/DA</td>
</tr>
<tr>
<td>Thallium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.2</td>
<td>00929/DA</td>
</tr>
<tr>
<td>Zinc</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>00929/DA</td>
</tr>
</tbody>
</table>

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
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

EPA Method 608

<table>
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<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
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</thead>
<tbody>
<tr>
<td>4,4'-DDD</td>
<td>ND</td>
<td>0.1</td>
<td>Chlordane</td>
<td>ND</td>
<td>0.1</td>
</tr>
<tr>
<td>4,4'-DDE</td>
<td>ND</td>
<td>0.04</td>
<td>d-BHC</td>
<td>ND</td>
<td>0.09</td>
</tr>
<tr>
<td>4,4'-DDE</td>
<td>ND</td>
<td>0.1</td>
<td>Dieldrin</td>
<td>ND</td>
<td>0.02</td>
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<tr>
<td>a-BHC</td>
<td>ND</td>
<td>0.03</td>
<td>Endosulfan I</td>
<td>ND</td>
<td>0.1</td>
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<tr>
<td>Aldrin</td>
<td>ND</td>
<td>0.04</td>
<td>Endosulfan II</td>
<td>ND</td>
<td>0.04</td>
</tr>
<tr>
<td>Arochlor 1016</td>
<td>ND</td>
<td>0.5</td>
<td>Endosulfan Sulfate</td>
<td>ND</td>
<td>0.7</td>
</tr>
<tr>
<td>Arochlor 1221</td>
<td>ND</td>
<td>0.5</td>
<td>Endrin</td>
<td>ND</td>
<td>0.06</td>
</tr>
<tr>
<td>Arochlor 1232</td>
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<td>Endrin Aldehyde</td>
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<td>Arochlor 1242</td>
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<td>Heptachlor</td>
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<td>Heptachlor Epoxide</td>
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<td>Lindane</td>
<td>ND</td>
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<tr>
<td>Arochlor 1260</td>
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<td>0.5</td>
<td>Methoxychlor</td>
<td>ND</td>
<td>1.8</td>
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<tr>
<td>b-BHC</td>
<td>ND</td>
<td>0.06</td>
<td>Toxaphene</td>
<td>ND</td>
<td>1.0</td>
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</tbody>
</table>

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

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

cc:

ESB Project Reviewer
Laboratory Results

5697-57495

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

Oceanside, CA 92054

Client I.D.: SLR RIVER @ DOUGLAS

Date Reported: 10/09/00
Collected By: Date: 09/19/00
Time: 1147
Submitted By: Fed.Exp. Date: 09/20/00
Time: 0845

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hardness</td>
<td>840 mg/L</td>
<td>EPA 200.7</td>
<td>3.</td>
<td>000929/LT</td>
</tr>
<tr>
<td>Calcium</td>
<td>180 mg/L</td>
<td>EPA 200.7</td>
<td>1.</td>
<td>000929/LT</td>
</tr>
<tr>
<td>Magnesium</td>
<td>94 mg/L</td>
<td>EPA 200.7</td>
<td>1.</td>
<td>000929/LT</td>
</tr>
<tr>
<td>Sodium</td>
<td>230 mg/L</td>
<td>SM4500-NH3 H</td>
<td>0.1</td>
<td>000927/KS</td>
</tr>
<tr>
<td>Ammonia-Nitrogen</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td>320 mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>000920/LA</td>
</tr>
<tr>
<td>Hydroxide</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbonate</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>390 mg/L</td>
<td>SM 2320 B</td>
<td>3.</td>
<td>000920/LA</td>
</tr>
<tr>
<td>Chloride</td>
<td>340 mg/L</td>
<td>EPA 300.0</td>
<td>1.</td>
<td>000925/KOS</td>
</tr>
<tr>
<td>Nitrate-Nitrogen</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td>0.4 mg/L</td>
<td>EPA 346.2</td>
<td>0.1</td>
<td>01002/KOS</td>
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<tr>
<td>Specific Conductance</td>
<td>2330 umho/cm</td>
<td>EPA 120.1</td>
<td>1.0</td>
<td>000920/JLB</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>1680 mg/L</td>
<td>EPA 160.4</td>
<td>10</td>
<td>000925/JB</td>
</tr>
<tr>
<td>Cyanide</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ortho Phosphate Phosphorus</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrate-Phosphorus</td>
<td>0.18 mg/L</td>
<td>SM 4500-PB4E</td>
<td>0.05</td>
<td>000921/HGA</td>
</tr>
<tr>
<td>Kjeldahl Nitrogen</td>
<td>0.6 mg/L</td>
<td>EPA 354.5</td>
<td>0.1</td>
<td>000921/LA</td>
</tr>
<tr>
<td>Aluminum</td>
<td>0.1 mg/L</td>
<td>EPA 200.7</td>
<td>0.1</td>
<td>000929/LT</td>
</tr>
<tr>
<td>Antimony</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arsenic</td>
<td>ND</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Barium</td>
<td>0.08 mg/L</td>
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<td>0.02</td>
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<tr>
<td>Beryllium</td>
<td>ND</td>
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<tr>
<td>Cadmium</td>
<td>ND</td>
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</tr>
</tbody>
</table>

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

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

cc:
**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

<table>
<thead>
<tr>
<th>Constituent</th>
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<th>RL</th>
<th>Date / Analyst</th>
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<tbody>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>EPA 200.8</td>
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</tr>
<tr>
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<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>000929/DA</td>
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<tr>
<td>Iron</td>
<td>2.0</td>
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<tr>
<td>Lead</td>
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<td>000929/DA</td>
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<td>Manganese</td>
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<td>0.01</td>
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<td>EPA 200.8</td>
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<td>EPA 200.8</td>
<td>0.2</td>
<td>000929/DA</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.05</td>
<td>EPA 200.8</td>
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<td>000929/DA</td>
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</tbody>
</table>

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
### Laboratory Results

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

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

**Matrix:** water

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Calculation</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
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<tbody>
<tr>
<td>Total Hardness</td>
<td>1100 mg/L</td>
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<td>EPA 200.7</td>
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<td>Calcium</td>
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<td>Total Alkalinity</td>
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<td>Hydroxide</td>
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<td>Carbonate</td>
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<td>Sulfate</td>
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<tr>
<td>Chloride</td>
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<tr>
<td>Nitrate-Nitrogen</td>
<td>ND</td>
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<td>000922/MH</td>
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<tr>
<td>Nitrate</td>
<td>ND</td>
<td></td>
<td>EPA 300.0</td>
<td>0.2</td>
<td>000922/MH</td>
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<tr>
<td>Fluoride</td>
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<td>SM 4500-FC</td>
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<td>010022/KOS</td>
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<tr>
<td>pH</td>
<td>7.6 units</td>
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<td>Specific Conductance</td>
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<td>Total Dissolved Solids</td>
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<tr>
<td>Cyanide</td>
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<td>000928/CW</td>
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<tr>
<td>Oil &amp; Grease</td>
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<td>EPA 1564</td>
<td>8</td>
<td>000921/KLT</td>
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<tr>
<td>Ortho Phosphorus Phosphorus</td>
<td>0.18 mg/L</td>
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<td>Total Phosphorus</td>
<td>0.18 mg/L</td>
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<td>000926/HGA</td>
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<tr>
<td>Nitrite-Nitrogen</td>
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<td>000921/LA</td>
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<td>Langemier Index Calculated at 25 C</td>
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<td>none</td>
<td>Calculation</td>
<td>0.1</td>
<td>001006/SFR</td>
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<tr>
<td>Temperature at Lab</td>
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<td>SM 2550B</td>
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<td>000620/GR</td>
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<td>Aluminum</td>
<td>ND</td>
<td></td>
<td>EPA 200.7</td>
<td>0.05</td>
<td>000926/LT</td>
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</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.006</td>
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<td>Arsenic</td>
<td>0.004</td>
<td>mg/L</td>
<td>EPA 200.8</td>
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<td>Barium</td>
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<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.1</td>
</tr>
<tr>
<td>Beryllium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
</tr>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Copper</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Iron</td>
<td>0.42</td>
<td>mg/L</td>
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<tr>
<td>Lead</td>
<td>ND</td>
<td>mg/L</td>
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<td>0.005</td>
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<tr>
<td>Manganese</td>
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<tr>
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<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
</tr>
<tr>
<td>Nickel</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
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<tr>
<td>Selenium</td>
<td>0.014</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.005</td>
</tr>
<tr>
<td>Silver</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Thallium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Zinc</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
</tbody>
</table>

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

cc: 

ESB Project Reviewer
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

HPLC / UV

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
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</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>ND</td>
<td>ug/L</td>
<td>150</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 09-28-2000 / SML
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

ESB Project Reviewer
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

<table>
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<tr>
<th>Constituent</th>
<th>Result</th>
<th>EPA 504.1</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
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<tbody>
<tr>
<td>Dibromochloropropane</td>
<td>ND</td>
<td>ug/L 0.01</td>
<td>Ethylene dibromide</td>
<td>ND</td>
<td>ug/L 0.02</td>
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</table>

Date analyzed/Analyst: 09-25-2000/SML
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

ESB Project Reviewer
Laboratory Results

5697-57495
Client: City of Oceanside
Mary Gonzales
3950 N. River Road
Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Date: 09/19/2000
Time: 0909

Submitted By: Fed. Exp.
Date: 09/20/2000
Time: 0845

Date Reported: 10/09/2000

Matrix: water

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<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
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<tbody>
<tr>
<td>Alachlor</td>
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<td>1.0</td>
<td>Atrazine</td>
<td>ND</td>
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<tr>
<td>Bromacil</td>
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<td>1.0</td>
<td>Butachlor</td>
<td>ND</td>
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<tr>
<td>Dazinon</td>
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<td>0.3</td>
<td>Dimethoate</td>
<td>ND</td>
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<tr>
<td>Diuron</td>
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<td>Metolachlor</td>
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<td>Metribuzin</td>
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<td>Molinate</td>
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Date analyzed / Analyst: 10/03/2000 / JES
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: [Signature] ESB Project Reviewer
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

EPA Method 515.1

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<th>Constituent</th>
<th>Result</th>
<th>RL</th>
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<td>2,4,5-TP Silvex</td>
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Date analyzed / Analyst: 09-27-2000 / SML
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

ESB Project Reviewer
Laboratory Results

5697-57495
Client:  
City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054  
Client I.D.: SLR RIVER @ BENET RD  
Date Reported: 10/09/2000  
Collected By:  
Date: 09/19/2000  
Time: 0909  
Submitted By: Fed. Exp.  
Date: 09/20/2000  
Time: 0845  
Site: Submitted By: Fed. Exp.  
Description:  
Matrix: water

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<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
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<td>1,1,2-Tetrachloroethane</td>
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<td>0.5</td>
<td>Chloroethane</td>
<td>ND</td>
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<tr>
<td>1,1,1-Trichloroethane</td>
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<td>Chloroform</td>
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<td>1,1,2,2-Tetrachloroethane</td>
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<td>Chloromethane</td>
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<td>1,1,4-Trichloroethane</td>
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<td>cis-1,2-Dichloroethene</td>
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<td>1,2,4-Trichlorobenzene</td>
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<td>1,2,4-Trimethylbenzene</td>
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<td>Ethylbenzene</td>
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<td>Hexachlorobutadiene</td>
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<td>1,3-Dichloropropene</td>
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<td>2,2-Dichloropropane</td>
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<td>0.5</td>
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<tr>
<td>Naphthalene</td>
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<td>2-Butanone (MEK)</td>
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<td>2-Chloroethylvinyl Ether</td>
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<td>2-Chlorotoluene</td>
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<td>4-Chlorotoluene</td>
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</tr>
<tr>
<td>sec-Butylbenzene</td>
<td>ND</td>
<td>0.5</td>
<td>4-Methyl-2-Pentanone (MIBK)</td>
<td>ND</td>
<td>5.0</td>
</tr>
<tr>
<td>Styrene</td>
<td>ND</td>
<td>0.5</td>
<td>tert-Butylbenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Tetrachloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>Toluene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>trans-1,2-Dichloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>Benzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 09-27-2000 / HG  
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:
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

EPA Method 524.2

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-1,3-Dichloropropene</td>
<td>ND</td>
<td>0.5</td>
<td>Bis(2-Chloroethyl)Ether</td>
<td>ND</td>
<td>5.0</td>
</tr>
<tr>
<td>Trichloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>Bromobenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Trichlorofluoromethane</td>
<td>ND</td>
<td>5.0</td>
<td>Bromochloromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Trichlorotrifluoromethane</td>
<td>ND</td>
<td>10.</td>
<td>Bromodichloromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Bromoform</td>
<td>ND</td>
<td>0.5</td>
<td>Vinyl Chloride</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Bromomethane</td>
<td>ND</td>
<td>0.5</td>
<td>Xylenes (m+p)</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Xylenes (ortho)</td>
<td>ND</td>
<td>0.5</td>
<td>Carbon Tetrachloride</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Chlorobenzene</td>
<td>ND</td>
<td>0.5</td>
<td>1,4-Dioxane</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>tert-Amyl Methyl Ether</td>
<td>ND</td>
<td>3.0</td>
<td>Ethyl tert-Butyl Ether</td>
<td>ND</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 09-27-2000 / HG
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:
# 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

**EPA Method 525.2**

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEH-Adipate</td>
<td>ND</td>
<td>5.0</td>
<td>DEH-Phthalate</td>
<td>ND</td>
<td>3.0</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>ND</td>
<td>0.1</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 10-05-2000 / JS  
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:  

ESB Project Reviewer
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

EPA Method 608

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

Date analyzed / Analyst: 09-22-2000 / SML
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: [Signature]

ESB Project Reviewer
Laboratory Results

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

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

Matrix: water

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hardness</td>
<td>880</td>
<td>Calculation</td>
<td>3</td>
<td>000626/LT</td>
</tr>
<tr>
<td>Calcium</td>
<td>190 mg/L</td>
<td>EPA 200.7</td>
<td>1</td>
<td>000626/LT</td>
</tr>
<tr>
<td>Magnesium</td>
<td>98 mg/L</td>
<td>EPA 200.7</td>
<td>1</td>
<td>000626/LT</td>
</tr>
<tr>
<td>Sodium</td>
<td>230 mg/L</td>
<td>EPA 200.7</td>
<td>1</td>
<td>000626/LT</td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td>310</td>
<td>SM 2320 B</td>
<td>3</td>
<td>000626/AEC</td>
</tr>
<tr>
<td>Hydroxide</td>
<td>ND</td>
<td>SM 2320 B</td>
<td>3</td>
<td>000626/AEC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>ND</td>
<td>SM 2320 B</td>
<td>3</td>
<td>000626/AEC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>380 mg/L</td>
<td>SM 2320 B</td>
<td>3</td>
<td>000626/AEC</td>
</tr>
<tr>
<td>Sulfate</td>
<td>480 mg/L</td>
<td>EPA 300.0</td>
<td>0.5</td>
<td>000623/KOS</td>
</tr>
<tr>
<td>Chloride</td>
<td>330 mg/L</td>
<td>EPA 300.0</td>
<td>1</td>
<td>000623/KOS</td>
</tr>
<tr>
<td>Nitrate</td>
<td>2.5 mg/L</td>
<td>EPA 300.0</td>
<td>0.5</td>
<td>000623/KOS</td>
</tr>
<tr>
<td>Fluoride</td>
<td>0.5 mg/L</td>
<td>SM 4500-FC</td>
<td>0.1</td>
<td>000628/LA</td>
</tr>
<tr>
<td>pH</td>
<td>8.2 units</td>
<td>SM 4500-H</td>
<td>-</td>
<td>000622/KOS</td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>2520 umho/cm</td>
<td>SM 2510</td>
<td>1.0</td>
<td>000622/KOS</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>1840 mg/L</td>
<td>SM 2540C</td>
<td>10</td>
<td>000628/AEC</td>
</tr>
<tr>
<td>Cyanide</td>
<td>ND</td>
<td>SM 4500-CN</td>
<td>0.1</td>
<td>000628/TF</td>
</tr>
<tr>
<td>Nitrate-Nitrogen</td>
<td>ND</td>
<td>SM 4500-NO2B</td>
<td>0.1</td>
<td>000623/AEC</td>
</tr>
<tr>
<td>Aggressive Index</td>
<td>13.6 none</td>
<td>Calculation</td>
<td>0.1</td>
<td>000705/SFR</td>
</tr>
<tr>
<td>Langelier Index Calculated at 25 C</td>
<td>1.8 none</td>
<td>Calculation</td>
<td>0.1</td>
<td>000705/SFR</td>
</tr>
<tr>
<td>Temperature at Lab</td>
<td>25.1 deg C</td>
<td>SM 2550B</td>
<td>-</td>
<td>000622/MFT</td>
</tr>
<tr>
<td>Aluminum</td>
<td>ND</td>
<td>EPA 200.7</td>
<td>0.05</td>
<td>000626/LT</td>
</tr>
<tr>
<td>Antimony</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.006</td>
<td>000626/DA</td>
</tr>
<tr>
<td>Arsenic</td>
<td>0.003 mg/L</td>
<td>EPA 200.8</td>
<td>0.002</td>
<td>000626/DA</td>
</tr>
<tr>
<td>Barium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.1</td>
<td>000626/DA</td>
</tr>
<tr>
<td>Beryllium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.001</td>
<td>000626/DA</td>
</tr>
</tbody>
</table>

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

cc: SDSHD
### Laboratory Results

**5697-57297**  
**Client:** City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054  

**Collected By:** TW  
**Date:** 06/21/00  
**Time:** 1210  

**Submitted By:** Fed.Exp.  
**Date:** 06/22/00  
**Time:** 0850  

**Date Reported:** 07/06/00  

**Client I.D.:** SLR RIVER A @ BONSAL  
**Site:** MISSION BASIN  
**Description:**  
**Matrix:** water  

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Copper</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Iron</td>
<td>0.07</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.02</td>
</tr>
<tr>
<td>Lead</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.005</td>
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<tr>
<td>Manganese</td>
<td>0.59</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Mercury</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
</tr>
<tr>
<td>Nickel</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Selenium</td>
<td>0.005</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.005</td>
</tr>
<tr>
<td>Silver</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Thallium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
</tr>
<tr>
<td>Zinc</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
</tbody>
</table>

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

**cc:** SDSHD
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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hardness</td>
<td>810 mg/L</td>
<td>Calculation</td>
<td>3</td>
<td>000626/LT</td>
</tr>
<tr>
<td>Calcium</td>
<td>180 mg/L</td>
<td>EPA 200.7</td>
<td>1</td>
<td>000626/LT</td>
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<td>Magnesium</td>
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<td>000626/LT</td>
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<td>Sodium</td>
<td>240 mg/L</td>
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<td>Total Alkalinity</td>
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<td>3</td>
<td>000626/ABC</td>
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<td>Hydroxide</td>
<td>ND mg/L</td>
<td>SM 2320 B</td>
<td>3</td>
<td>000626/ABC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>ND mg/L</td>
<td>SM 2320 B</td>
<td>3</td>
<td>000626/ABC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>330 mg/L</td>
<td>SM 2320 B</td>
<td>3</td>
<td>000626/ABC</td>
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<tr>
<td>Sulfate</td>
<td>390 mg/L</td>
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<td>000626/KOS</td>
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<tr>
<td>Nitrate</td>
<td>ND mg/L</td>
<td>EPA 300.0</td>
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<td>000626/FRY</td>
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<td>Fluoride</td>
<td>0.4 units</td>
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<td>000626/LA</td>
</tr>
<tr>
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<td>2220 umho/cm</td>
<td>SM 2510</td>
<td>1.0</td>
<td>000626/KOS</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>1660 mg/L</td>
<td>SM 2540C</td>
<td>10</td>
<td>000626/AEC</td>
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<tr>
<td>Cyanide</td>
<td>ND mg/L</td>
<td>SM 4500-CN F</td>
<td>0.1</td>
<td>000626/TF</td>
</tr>
<tr>
<td>Nitrate-Nitrogen</td>
<td>ND mg/L</td>
<td>SM 4500-N2CB</td>
<td>0.1</td>
<td>000626/AEC</td>
</tr>
<tr>
<td>Aggressive Index</td>
<td>13.6 none</td>
<td>Calculation</td>
<td>0.1</td>
<td>000705/SFR</td>
</tr>
<tr>
<td>Langelier Index Calculated at 25 C</td>
<td>1.8 none</td>
<td>Calculation</td>
<td>0.1</td>
<td>000705/SFR</td>
</tr>
<tr>
<td>Temperature at Lab</td>
<td>25.1 deg C</td>
<td>SM 2550B</td>
<td>-</td>
<td>000622/NFR</td>
</tr>
<tr>
<td>Aluminum</td>
<td>ND mg/L</td>
<td>EPA 200.7</td>
<td>0.05</td>
<td>000626/LT</td>
</tr>
<tr>
<td>Antimony</td>
<td>ND mg/L</td>
<td>EPA 200.8</td>
<td>0.006</td>
<td>000626/DA</td>
</tr>
<tr>
<td>Arsenic</td>
<td>0.003 mg/L</td>
<td>EPA 200.8</td>
<td>0.002</td>
<td>000626/DA</td>
</tr>
<tr>
<td>Barium</td>
<td>ND mg/L</td>
<td>EPA 200.8</td>
<td>0.1</td>
<td>000626/DA</td>
</tr>
<tr>
<td>Beryllium</td>
<td>ND mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
<td>000626/DA</td>
</tr>
</tbody>
</table>

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

cc: SDSHD
# 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

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

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

cc: SDSHD

ESB Project Reviewer
Laboratory Results

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

Oceanside, CA 92054

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

Matrix: water

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

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

cc: SDSHD
Laboratory Results

5697-57297
Client:
City of Oceanside
Mary Gonzales
3950 N. River Road
Oceanside, CA 92054

Collected By: TW
Date: 06/21/00
Time: 0909

Submitted By: Fed.Exp.
Date: 06/22/00
Time: 0850

Date Reported: 07/06/00

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

Matrix: water

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Copper</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.02</td>
</tr>
<tr>
<td>Iron</td>
<td>0.21</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.005</td>
</tr>
<tr>
<td>Lead</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Manganese</td>
<td>0.52</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Mercury</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.005</td>
</tr>
<tr>
<td>Nickel</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Selenium</td>
<td>0.009</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.005</td>
</tr>
<tr>
<td>Silver</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Thallium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Zinc</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
</tbody>
</table>

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

cc: SDSHD

ESB Project Reviewer
### 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:**

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dibromochloropropane</td>
<td>ND</td>
<td>0.01 ug/L</td>
<td>Ethylene dibromide</td>
<td>ND</td>
<td>0.02 ug/L</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 06-28-2000 / SML  
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD
# Laboratory Results

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

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

**EPA Method 507**

<table>
<thead>
<tr>
<th>Constituent</th>
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<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alachlor</td>
<td>ND</td>
<td>1.0</td>
<td>Atrazine</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Bromacil</td>
<td>ND</td>
<td>10.</td>
<td>Butachlor</td>
<td>ND</td>
<td>0.4</td>
</tr>
<tr>
<td>Diazinon</td>
<td>ND</td>
<td>0.3</td>
<td>Dimethoate</td>
<td>ND</td>
<td>10.</td>
</tr>
<tr>
<td>Diuron</td>
<td>ND</td>
<td>1.0</td>
<td>Metolachlor</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Metribuzin</td>
<td>ND</td>
<td>0.2</td>
<td>Molate</td>
<td>ND</td>
<td>2.0</td>
</tr>
<tr>
<td>Prometryn</td>
<td>ND</td>
<td>2.0</td>
<td>Simazine</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Thiobencarb</td>
<td>ND</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

cc: SDSHD

ESB Project Reviewer
Laboratory Results

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

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

EPA Method 515.1

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bentazon</td>
<td>ND</td>
<td>ug/L</td>
<td>2.0</td>
<td>2,4-D</td>
<td>ND</td>
</tr>
<tr>
<td>Dicamba</td>
<td>ND</td>
<td>ug/L</td>
<td>0.8</td>
<td>Dinoeb</td>
<td>ND</td>
</tr>
<tr>
<td>Pentachlorophenol</td>
<td>ND</td>
<td>ug/L</td>
<td>0.2</td>
<td>Pichlor</td>
<td>ND</td>
</tr>
<tr>
<td>2,4,5-TE Silverex</td>
<td>ND</td>
<td>ug/L</td>
<td>1.0</td>
<td>Dalapon</td>
<td>ND</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 06-29-2000 / SML
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD

ESB Project Reviewer
### 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

---

**EPA Method 524.2**

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

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

---

**Date analyzed / Analyst:** 06-29-2000 / HG  
**cc:** SDSHD
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

EPA Method 524.2

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-1,3-Dichloropropene</td>
<td>ND</td>
<td>0.5</td>
<td>Bis(2-Chloroethyl)Ether</td>
<td>ND</td>
<td>5.0</td>
</tr>
<tr>
<td>Trichloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>Bromobenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Trichlorofluoromethane</td>
<td>ND</td>
<td>5.0</td>
<td>Bromochloromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Trichlorotrifluoroethane</td>
<td>ND</td>
<td>0.5</td>
<td>Bromodichloromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Bromoform</td>
<td>ND</td>
<td>0.5</td>
<td>Vinyl Chloride</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Bromomethane</td>
<td>ND</td>
<td>0.5</td>
<td>Xylenes (m+p)</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Xylenes (ortho)</td>
<td>ND</td>
<td>0.5</td>
<td>Carbon Tetrachloride</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Chlorobenzene</td>
<td>ND</td>
<td>0.5</td>
<td>1,4-Dioxane</td>
<td>ND</td>
<td>10.0</td>
</tr>
<tr>
<td>tert-Amyl Methyl Ether</td>
<td>ND</td>
<td>3.0</td>
<td>Ethyl tert-Butyl Ether</td>
<td>ND</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 06-29-2000 / HG
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD
## 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 |

**EPA Method 525.2**

<table>
<thead>
<tr>
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<th>Result</th>
<th>RL</th>
<th>Constituent</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEH-Adipate</td>
<td>ND</td>
<td>ug/L</td>
<td>5.0</td>
</tr>
<tr>
<td></td>
<td>ND</td>
<td>ug/L</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 06-30-2000 / JS  
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD  

ESB Project Reviewer
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: water

EPA Method 608

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4'-DDD</td>
<td>ND</td>
<td>0.1</td>
<td>Chlordane</td>
<td>ND</td>
<td>0.1</td>
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<tr>
<td>4,4'-DDE</td>
<td>0.2</td>
<td>0.04</td>
<td>d-BHC</td>
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<td>0.09</td>
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<td>4,4'-DDT</td>
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<td>0.1</td>
<td>Dieldrin</td>
<td>ND</td>
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<td>o-BHC</td>
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<td>0.03</td>
<td>Endosulfan I</td>
<td>ND</td>
<td>0.1</td>
</tr>
<tr>
<td>Aldrin</td>
<td>ND</td>
<td>0.04</td>
<td>Endosulfan II</td>
<td>ND</td>
<td>0.04</td>
</tr>
<tr>
<td>Aroclor 1015</td>
<td>ND</td>
<td>0.5</td>
<td>Endosulfan Sulfate</td>
<td>ND</td>
<td>0.7</td>
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<tr>
<td>Aroclor 1221</td>
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<td>0.5</td>
<td>Endrin</td>
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<tr>
<td>Aroclor 1232</td>
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<td>0.5</td>
<td>Endrin Aldehyde</td>
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<tr>
<td>Aroclor 1242</td>
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<td>Heptachlor</td>
<td>ND</td>
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<tr>
<td>Aroclor 1248</td>
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<td>Heptachlor Epoxide</td>
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<td>0.01</td>
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<td>Aroclor 1254</td>
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<td>0.5</td>
<td>Lindane</td>
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<td>0.04</td>
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<tr>
<td>Aroclor 1260</td>
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<td>0.06</td>
<td>Methoxychlor</td>
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<td>1.8</td>
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<td>b-BHC</td>
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<td>0.06</td>
<td>Toxaphene</td>
<td>ND</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 06-26-2000 / SML
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: SDSHD
Client: City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054

Client I.D.: SLR RIVER @ DOUGLAS

Date Reported: 04/07/00

Constituent | Result | Method | RL | Date / Analyst |
---|---|---|---|---|
Total Hardness | 760 mg/L | Calculation | 3 | 000317/LT |
Calcium | 180 mg/L | EPA 200.07 | 1 | 000406/LT |
Magnesium | 88 mg/L | EPA 200.07 | 1 | 000406/LT |
Sodium | 200 mg/L | EPA 200.07 | 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-HC | 0.1 | 000322/LA |
pH | 8.5 | units | SM 4500-H | 1 | 000316/DU |
Specific Conductance | 2260 microhm/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 | 000316/SFR |
Langelier Index Calculated at 25 C | 2.0 | none | Calculation | 0.1 | 000330/SFR |
Temperature at Lab | 25 | deg C | SM 2550B | 000316/DT |
Aluminum | ND mg/L | EPA 200.7 | 0.05 | 000317/LT |
Antimony | ND mg/L | EPA 200.8 | 0.006 | 000326/DA |
Arsenic | 0.003 mg/L | EPA 200.8 | 0.002 | 000328/DA |
Barium | ND mg/L | EPA 200.8 | 0.1 | 000326/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: '
Client: City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054  
Client I.D.: SLR RIVER @ DOUGLAS  
Site: Description:  
Matrix: water

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01 000328/DA</td>
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<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01 000328/DA</td>
</tr>
<tr>
<td>Copper</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01 000328/DA</td>
</tr>
<tr>
<td>Iron</td>
<td>0.06</td>
<td>mg/L</td>
<td>EPA 200.7</td>
<td>0.02 000317/LT</td>
</tr>
<tr>
<td>Lead</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.05 000328/DA</td>
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<tr>
<td>Manganese</td>
<td>0.04</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01 000328/DA</td>
</tr>
<tr>
<td>Mercury</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01 000328/DA</td>
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<tr>
<td>Nickel</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01 000328/DA</td>
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<td>Selenium</td>
<td>0.008</td>
<td>mg/L</td>
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<tr>
<td>Silver</td>
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<td>0.01 000328/DA</td>
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<tr>
<td>Thallium</td>
<td>ND</td>
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<td>0.01 000328/DA</td>
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<tr>
<td>Zinc</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01 000328/DA</td>
</tr>
</tbody>
</table>

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

cc: 

E. S. Babcock & Sons Inc. [Signature]

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

Client I.D.: SLR RIVER @ BENET RD

Matrix: water

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<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date /</th>
<th>Analyst</th>
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<tr>
<td>Total Hardness</td>
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<tr>
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<tr>
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<td>Total Alkalinity</td>
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<td>SM 2320 B</td>
<td>3</td>
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<td>3</td>
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<tr>
<td>Carbonate</td>
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<td>3</td>
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<td>Temperature at Lab</td>
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<td>SM 2550</td>
<td>-</td>
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<tr>
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<td>ND</td>
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<td>Antimony</td>
<td>ND</td>
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</table>

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

cc: 
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

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<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
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<tbody>
<tr>
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<td>0.004</td>
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<td>Barium</td>
<td>ND</td>
<td>mg/L</td>
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<td>0.1</td>
</tr>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.03</td>
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<tr>
<td>Copper</td>
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<td>0.01</td>
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<tr>
<td>Iron</td>
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<td>Lead</td>
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<td>mg/L</td>
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<td>mg/L</td>
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<tr>
<td>Mercury</td>
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<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.001</td>
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<tr>
<td>Nickel</td>
<td>ND</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
<td>Selenium</td>
<td>0.009</td>
<td>mg/L</td>
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<td>0.005</td>
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<td>Silver</td>
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<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
<tr>
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<td>mg/L</td>
<td>EPA 200.9</td>
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<tr>
<td>Zinc</td>
<td>0.02</td>
<td>mg/L</td>
<td>EPA 200.8</td>
<td>0.01</td>
</tr>
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</table>

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

cc: 

E. S. Babcock & Sons Inc.

[Signature]
5697-56984

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

Client I.D.: SLR RIVER @ BENET RD

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

Lab No.: L66964-008

Date Reported: 04/07/2000

<table>
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<tr>
<td>Dibromochloropropane</td>
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<td>Ethylene dibromide</td>
<td>ND ug/L</td>
<td>0.02</td>
</tr>
</tbody>
</table>

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

E. S. Babcock & Sons Inc.
Client:
City of Oceanside
Mary Gonzales
3950 N. River Road
Oceanside, CA 92054

Client I.D.: SLR RIVER @ BENET RD

Site:
Description:

Matrix: water

EPA Method 507

<table>
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<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
</tr>
</thead>
<tbody>
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<td>Alachlor</td>
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<td>1.0</td>
<td>Atrazine</td>
<td>ND</td>
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<tr>
<td>Bromacil</td>
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<td>Butachlor</td>
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<td>Diazinon</td>
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<td>Dimethoate</td>
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<td>Diuron</td>
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<td>Metolachlor</td>
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<td>Thiobencarb</td>
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Date analyzed / Analyst: 03-28-2000 / DI
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:
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

**EPA Method 515.1**

<table>
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<th>Constituent</th>
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<th>RL</th>
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<td>2,4-D</td>
<td>ND</td>
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<tr>
<td>Dicamba</td>
<td>ND</td>
<td>0.8</td>
<td>Dinoseb</td>
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<tr>
<td>Pentschlorophenol</td>
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<td>Pichloram</td>
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<td>2,4,5-TP Silvex</td>
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<td>ND</td>
<td>10.0</td>
</tr>
</tbody>
</table>

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

Client I.D.: SLR RIVER @ BENET RD
Site: Description:
Matrix: water

EPA Method 524.2

<table>
<thead>
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<th>Constituent</th>
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<th>RL</th>
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<tbody>
<tr>
<td>1,1,1,2-Tetrachloroethane</td>
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<td>0.5</td>
<td>Chloroethane</td>
<td>ND</td>
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<tr>
<td>1,1,1-Trichloroethane</td>
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<td>0.5</td>
<td>Chloroform</td>
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<td>0.5</td>
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<tr>
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<td>0.5</td>
<td>Chloroform</td>
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<td>0.5</td>
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<tr>
<td>1,1,2-Trichloroethane</td>
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<td>0.5</td>
<td>cis-1,2-Dichloroethene</td>
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<tr>
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<td>1,1-Dichloropropene</td>
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<td>0.5</td>
<td>Dibromomethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>1,2,3-Trichlorobenzene</td>
<td>ND</td>
<td>0.5</td>
<td>Chlorodifluoromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>1,2,3-Trichloropropene</td>
<td>ND</td>
<td>0.5</td>
<td>1,2,4-Trichlorobenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>ND</td>
<td>0.5</td>
<td>Ethylbenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>1,2-Dichlorobenzene</td>
<td>ND</td>
<td>0.5</td>
<td>Hexachlorobutadiene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>1,2-Dichloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>1,2-Dichloroethylene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>ND</td>
<td>0.5</td>
<td>Isopropylbenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>ND</td>
<td>0.5</td>
<td>1,3-Dichloropropene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Methyl tert Butyl Ether</td>
<td>ND</td>
<td>3.0</td>
<td>1,4-Dichlorobenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Methylene Chloride</td>
<td>ND</td>
<td>0.5</td>
<td>2,2-Dichloropropane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>ND</td>
<td>0.5</td>
<td>2-Butanone (MEK)</td>
<td>ND</td>
<td>5.0</td>
</tr>
<tr>
<td>a-Butylbenzene</td>
<td>ND</td>
<td>0.5</td>
<td>2-Chloroethyl vinyl Ether</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>n-Propylbenzene</td>
<td>ND</td>
<td>0.5</td>
<td>2-Chlorotoluene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>p-Isopropyltoluene</td>
<td>ND</td>
<td>0.5</td>
<td>4-Chloroanisole</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>sec-Butylbenzene</td>
<td>ND</td>
<td>0.5</td>
<td>4-Methyl-2-Pentanone (MIBK)</td>
<td>ND</td>
<td>5.0</td>
</tr>
<tr>
<td>Styrene</td>
<td>ND</td>
<td>0.5</td>
<td>tert-Butylbenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Tetrachloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>Toluene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>trans-1,2-Dichloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>Benzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 03-21-2000 / HG
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:
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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-1,3-Dichloropropene</td>
<td>ND</td>
<td>0.5</td>
<td>Bis(2-Chloroethyl)Ether</td>
<td>ND</td>
<td>5.0</td>
</tr>
<tr>
<td>Trichloroethene</td>
<td>ND</td>
<td>0.5</td>
<td>Bromobenzene</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Trichlorofluoromethane</td>
<td>ND</td>
<td>5.0</td>
<td>Bromochloromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Trichlorotrifluoroethane</td>
<td>ND</td>
<td>10.0</td>
<td>Bromodichloromethane</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Bromoform</td>
<td>ND</td>
<td>0.5</td>
<td>Vinyl Chloride</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Bromomethane</td>
<td>ND</td>
<td>0.5</td>
<td>Xylenes (m+p)</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Xylenes (ortho)</td>
<td>ND</td>
<td>0.5</td>
<td>Carbon Tetrachloride</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Chlorobenzene</td>
<td>ND</td>
<td>0.5</td>
<td>1,4-Dioxane</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>tert-Amyl Methyl Ether</td>
<td>ND</td>
<td>3.0</td>
<td>Ethyl tert-Butyl Ether</td>
<td>ND</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 03-21-2000 / HG
ND = None detected at RL (Reporting Limit). RL units same as result.
Date Reported: 04/07/2000
Collected By: ORR
Date: 03/15/2000
Time: 1200
Submitted By: Fed.Exp.
Date: 03/16/2000
Time: 0830

Matrix: water

EPA Method 525.2

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEH-Adipate</td>
<td>ND</td>
<td>5.0</td>
<td>DEH-Phthalate</td>
<td>ND</td>
<td>3.0</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>ND</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 03-27-2000 / JS
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons Inc.
Client:
City of Oceanside
Mary Gonzales
3950 N. River Road
Oceanside, CA 92054

Date Reported: 04/07/2000
Collected By: ORR
Date: 03/15/2000
Time: 1200
Submitted By: Fed.Exp.
Date: 03/16/2000
Time: 0830

Lab No.: L66964-008

EPA Method 608

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

Date analyzed / Analyst: 03-29-2000 / SML
ND = None detected at RL (Reporting Limit). RL units same as result.

cc:
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

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

<table>
<thead>
<tr>
<th>MCL</th>
<th>REPORTING UNITS</th>
<th>CHEMICAL DESCRIPTION</th>
<th>ENTRY #</th>
<th>ANALYSES RESULTS</th>
<th>DLR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total Hardness (as CaCO₃) (mg/L)</td>
<td>00900</td>
<td>780.0</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Calcium (Ca) (mg/L)</td>
<td>00916</td>
<td>160.0</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Magnesium (Mg) (mg/L)</td>
<td>00927</td>
<td>89.0</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Sodium (Na) (mg/L)</td>
<td>00929</td>
<td>220.0</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Potassium (K) (mg/L)</td>
<td>00937</td>
<td>5.0</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Total Alkalinity (As CaCO₃) (mg/L)</td>
<td>00410</td>
<td>300.0</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Hydroxide (OH⁻) (mg/L)</td>
<td>71830</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Carbonate (CO₃⁻) (mg/L)</td>
<td>00445</td>
<td>3</td>
<td>300.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bicarbonate (HCO₃⁻) (mg/L)</td>
<td>00440</td>
<td>370.0</td>
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<tr>
<td></td>
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<td>Sulfate (SO₄²⁻) (mg/L)</td>
<td>00945</td>
<td>490.0</td>
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<tr>
<td></td>
<td></td>
<td>Chloride (Cl⁻) (mg/L)</td>
<td>00940</td>
<td>350.0</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nitrate (as NO₃⁻) (mg/L)</td>
<td>71850</td>
<td>5</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fluoride (F⁻) Temp. Depend. (mg/L)</td>
<td>00951</td>
<td>0.4</td>
<td>.1</td>
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</table>

<table>
<thead>
<tr>
<th>Total Cations</th>
<th>Meq/L Value:</th>
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</thead>
<tbody>
<tr>
<td>mg/L</td>
<td>Total Alkalinity (As CaCO₃) (mg/L)</td>
</tr>
<tr>
<td>mg/L</td>
<td>Hydroxide (OH⁻) (mg/L)</td>
</tr>
<tr>
<td>mg/L</td>
<td>Carbonate (CO₃⁻) (mg/L)</td>
</tr>
<tr>
<td>mg/L</td>
<td>Bicarbonate (HCO₃⁻) (mg/L)</td>
</tr>
<tr>
<td>mg/L</td>
<td>Sulfate (SO₄²⁻) (mg/L)</td>
</tr>
<tr>
<td>mg/L</td>
<td>Chloride (Cl⁻) (mg/L)</td>
</tr>
<tr>
<td>mg/L</td>
<td>Nitrate (as NO₃⁻) (mg/L)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Anions</th>
<th>Meq/L Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Std.Units+</td>
<td>PH (Laboratory) (Std.Units)</td>
</tr>
<tr>
<td>*** umho/cm+</td>
<td>Specific Conductance (E.C.) (umho/cm)</td>
</tr>
<tr>
<td>**** mg/L+</td>
<td>Total Filterable Residue@180°C(TDS) (mg/L)</td>
</tr>
<tr>
<td>Units</td>
<td>Apparent Color (Unfiltered) (Units)</td>
</tr>
<tr>
<td>TON</td>
<td>Odor Threshold at 60°C (TON)</td>
</tr>
<tr>
<td>NTU</td>
<td>Lab Turbidity (NTU)</td>
</tr>
<tr>
<td>0.5 mg/L+</td>
<td>MBAS (mg/L)</td>
</tr>
</tbody>
</table>

* 250-500-600  ** 0.6-1.7  *** 900-1600-2200  **** 500-1000-1500
<table>
<thead>
<tr>
<th>MCL</th>
<th>REPORTING UNITS</th>
<th>CHEMICAL</th>
<th>ENTRY #</th>
<th>ANALYSES RESULTS</th>
<th>DLR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>ug/L</td>
<td>Aluminum (Al) (ug/L)</td>
<td>01105</td>
<td>ND</td>
<td>50.0</td>
</tr>
<tr>
<td>6</td>
<td>ug/L</td>
<td>Antimony (ug/L)</td>
<td>01097</td>
<td>ND</td>
<td>6.0</td>
</tr>
<tr>
<td>50</td>
<td>ug/L</td>
<td>Arsenic (As) (ug/L)</td>
<td>01002</td>
<td>ND</td>
<td>2.0</td>
</tr>
<tr>
<td>1000</td>
<td>ug/L</td>
<td>Barium (Ba) (ug/L)</td>
<td>01007</td>
<td>ND</td>
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<tr>
<td>4</td>
<td>ug/L</td>
<td>Beryllium (ug/L)</td>
<td>01012</td>
<td>ND</td>
<td>1.0</td>
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<tr>
<td>5</td>
<td>ug/L</td>
<td>Cadmium (Cd) (ug/L)</td>
<td>01027</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>50</td>
<td>ug/L</td>
<td>Chromium (Total Cr) (ug/L)</td>
<td>01034</td>
<td>ND</td>
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<tr>
<td>1000</td>
<td>ug/L+</td>
<td>Copper (Cu) (ug/L)</td>
<td>01042</td>
<td>ND</td>
<td>50.0</td>
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<tr>
<td>300</td>
<td>ug/L+</td>
<td>Iron (Fe) (ug/L)</td>
<td>01045</td>
<td>ND</td>
<td>100.0</td>
</tr>
<tr>
<td></td>
<td>ug/L</td>
<td>Lead (Pb) (ug/L)</td>
<td>01051</td>
<td>ND</td>
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<tr>
<td>50</td>
<td>ug/L+</td>
<td>Manganese (Mn) (ug/L)</td>
<td>01055</td>
<td>ND</td>
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</tr>
<tr>
<td>2</td>
<td>ug/L</td>
<td>Mercury (Hg) (ug/L)</td>
<td>71900</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>100</td>
<td>ug/L</td>
<td>Nickel (ug/L)</td>
<td>01067</td>
<td>ND</td>
<td>10.0</td>
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<tr>
<td>50</td>
<td>ug/L</td>
<td>Selenium (Se) (ug/L)</td>
<td>01147</td>
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<tr>
<td>100</td>
<td>ug/L+</td>
<td>Silver (Ag) (ug/L)</td>
<td>01077</td>
<td>ND</td>
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<tr>
<td>2</td>
<td>ug/L</td>
<td>Thallium (ug/L)</td>
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<td>ND</td>
<td>1.0</td>
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<tr>
<td>5000</td>
<td>ug/L</td>
<td>Zinc (Zn) (ug/L)</td>
<td>01092</td>
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**ADDITIONAL ANALYSES**

<table>
<thead>
<tr>
<th>MCL</th>
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<th>ENTRY #</th>
<th>ANALYSES RESULTS</th>
<th>DLR</th>
</tr>
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<tbody>
<tr>
<td>1000</td>
<td>ug/L</td>
<td>Nitrite as Nitrogen(N) (ug/L)</td>
<td>00620</td>
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<tr>
<td>200</td>
<td>ug/L</td>
<td>Cyanide (ug/L)</td>
<td>01291</td>
<td>ND</td>
<td>100.0</td>
</tr>
</tbody>
</table>

* + Indicates Secondary Drinking Water Standards*
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

ERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 00/01/10
Sample ID No. 463102-010

Laboratory
Name: E.S. BABCOCK & SONS
Signature Lab
Name of Sampler: N/A

Employed By: City of Oceanside

Date/Time Sample
Collected: 99/12/13/0847
Date/Time Sample
Received @ Lab: 99/12/14/0840

Date Analyses
Completed: 99/12/28

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

* User ID: WAT
* Station Number:
* Date/Time of Sample: 99/12/13/0847
* YY MM DD TTTT
* Laboratory Code: 4790

* Date Analysis completed: 99/12/28
* Phone #:

---

<table>
<thead>
<tr>
<th>MCL</th>
<th>REPORTING UNITS</th>
<th>CHEMICAL</th>
<th>ENTRY #</th>
<th>ANALYSES RESULTS</th>
<th>DLR</th>
</tr>
</thead>
<tbody>
<tr>
<td>mg/L</td>
<td>Total Hardness (as CaCO3) (mg/L)</td>
<td>00900</td>
<td>940</td>
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</tr>
<tr>
<td>mg/L</td>
<td>Calcium (Ca) (mg/L)</td>
<td>00916</td>
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<tr>
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<td>Magnesium (Mg) (mg/L)</td>
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**Total Cations**

| 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 (HC03) (mg/L) | 00440 | 440 |
| mg/L | Sulfate (SO4) (mg/L) | 00945 | 520 |
| mg/L | Chloride (Cl) (mg/L) | 00940 | 560 |
| mg/L | Nitrate (as NO3) (mg/L) | 71850 | 2 |
| mg/L | Fluoride (F) Temp. Depend. (mg/L) | 00951 | 0.4 |

**Total Anions**

| 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 | MBAS (mg/L) | 38260 | 0.08 |

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

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<th>MCL</th>
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#### ADDITIONAL ANALYSES

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+ Indicates Secondary Drinking Water Standards

Laboratory comments and description of any additional components found:

Ortho Phosphate Phosphorus = ND @ RL 0.05 mg/L
**ORGANIC CHEMICAL ANALYSIS (9/99)**

Date of Report: 00/01/10

Sample ID No. L63102-010

**LABORATORY**

Name: E.S. BABCOCK & SONS

Signature Lab: Director:

Name of Sampler: N/A

Employed By: City of Oceanside

Date/Time Sample Collected: 99/12/13/0847

Date/Time Sample Received @ Lab: 99/12/14/0840

Date Analyses Completed: 99/12/20

**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 *
* Date Analysis completed: 99/12/20 *
* Phone #: *

**PAGE 1 of 3**

**REGULATED ORGANIC CHEMICALS**

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### REGULATED ORGANIC CHEMICALS CONTINUED

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### UNREGULATED ORGANIC CHEMICALS

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<td>Metribuzin</td>
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Laboratory comments and description of any additional components found:

Metolachlor DLR = 1 ug/L    Metribuzin DLR = 0.15 ug/L
**Client:**
City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054

**Client I.D.:** BENET RD  
**Site:**  
**Description:** SLR River

**Matrix:** water

**EPA Method 608**

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

**Date of Report:** 10/04/99

**Laboratory Name:** E.S. BABCOCK & SONS

**Name of Sampler:** RF

**Date/Time Sample Collected:** 99/09/13/0945

**Received @ Lab:** 99/09/14/0930

**Completed:** 99/09/27

**System Name:** OCEANSIDE, CITY OF

**Name or Number of Sample Source:** SLR RIVER @ BONSALL

**User ID:** WAT

**Station Number:** 3710014

**Laboratory Code:** 4790

**Date/Time Sample:** 99/09/13/0945

**Date Analysis Completed:** 99/09/27

**Submitted by:**

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<tr>
<th>MCL</th>
<th>REPORTING UNITS</th>
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<th>ENTRY #</th>
<th>ANALYSES RESULTS</th>
<th>DLR</th>
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<tbody>
<tr>
<td></td>
<td>mg/L</td>
<td>Hardness, (Total) as CaCO₃</td>
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<td>mg/L</td>
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**Total Cations**

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| 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 |
| 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 |
| Specific Conductance (E.C.) | 00095 | 2600 |
| Total Filterable Residue at 180C (TDS) | 70000 | 1790 |
| Color, Apparent (Unfiltered) | 00081 |
| Odor Threshold at 60 C | 00086 |
| Turbidity, Laboratory | 82079 |
| MBAS | 38260 |

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

### 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 | ND | 2.0
1000 | ug/L | Barium (Ba) | 01007 | ND | 100.0
4 | ug/L | Beryllium | 01012 | ND | 1.0
50 | ug/L | Cadmium (Cd) | 01027 | ND | 1.0
50 | ug/L | Chromium (Total Cr) | 01034 | ND | 10.0
1000 | ug/L+ | Copper (Cu) | 01042 | ND | 50.0
300 | ug/L+ | Iron (Fe) | 01045 | ND | 100.0
50 | ug/L | Lead (Pb) | 01051 | ND | 5.0
2 | ug/L | Mercury (Hg) | 71900 | ND | 60.0
100 | ug/L | Nickel | 01067 | ND | 10.0
50 | ug/L | Selenium (Se) | 01147 | ND | 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

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<td>Cyanide</td>
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*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
GENERAL MINERAL & PHYSICAL, & INORGANIC ANALYSIS (4/95)

Date of Report: 10/04/99
Sample ID No. 159630-008
Sample ID No. 159630-008
Signature Lab No. 159630-008
Signature Lab No. 159630-008
Name: E.S. BABCOCK & SONS
Director: E.S. BABCOCK & SONS
Name of Sampler: RF
Employed By: City of Oceanside

Date/Time Sample: 99/09/13/1010
Date @ Lab: 99/09/14/0930
Completed: 99/09/2

System Name: OCEANSIDE, CITY OF
System Number: 3710014

Name or Number of Sample Source: SLR RIVER @ DOUGLAS

System Name: OCEANSIDE, CITY OF
System Number: 3710014

Name or Number of Sample Source: SLR RIVER @ DOUGLAS

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Total Cations

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Total Anions

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

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<td>Agressiveness Index</td>
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<td>1000 ug/L</td>
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<td>00620</td>
</tr>
<tr>
<td>200 ug/L</td>
<td>Cyanide</td>
<td>01291</td>
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</tbody>
</table>

+ 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
To: E. S. Babcock & Sons  

P.O. # (will call you as soon as I have it)  
Date: June 16, 1999  

<table>
<thead>
<tr>
<th>Sample Description</th>
<th>Date/Time Sampled</th>
<th>Analyze for:</th>
</tr>
</thead>
</table>
| 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 2 - 06/16/99 @ 0600 | Radioactivity - gross alpha |
| Well # 5 and product | 06/16/99 @ 0600 | Uranium |
| SLR River @ Benet Rd | 06/16/99 @ 1045 | EPA 608 - pesticides/PCB  
(include DDD, DDE, DDT) |

Relinquished by:  

Mary Gonzalez  
(Signature)  
(Printed name)  
(Date)

Received by:  

Mary Gonzalez  
(Signature)  
(Printed name)  
(Date)

Relinquished by:  

Mary Gonzalez  
(Signature)  
(Printed name)  
(Date)

Received by E. S. Babcock & Sons  

(Signature)  
(Printed name)  
(Date)
**Client:** City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054

**Client I.D.:** SLR RIVER @ BENET RD  
**Site:**  
**Description:**  
**Matrix:** wastewater

### EPA Method 608

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
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<td>ND</td>
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<td>d-BHC</td>
<td>ND</td>
<td>0.09</td>
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<tr>
<td>4,4'-DDT</td>
<td>ND</td>
<td>0.1</td>
<td>Dieldrin</td>
<td>ND</td>
<td>0.02</td>
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<tr>
<td>a-BHC</td>
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<td>Endosulfan I</td>
<td>ND</td>
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<tr>
<td>Aldrin</td>
<td>ND</td>
<td>0.04</td>
<td>Endosulfan II</td>
<td>ND</td>
<td>0.04</td>
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<tr>
<td>Aroclor 1016</td>
<td>ND</td>
<td>0.5</td>
<td>Endosulfan Sulfate</td>
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<td>Aroclor 1231</td>
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<td>Endrin</td>
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<td>Aroclor 1232</td>
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<td>Endrin Aldehyde</td>
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<td>Aroclor 1242</td>
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<td>Heptachlor</td>
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<td>Heptachlor Epoxide</td>
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<td>Lindane</td>
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<td>Methoxychlor</td>
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<td>b-BHC</td>
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<td>0.06</td>
<td>Toxaphene</td>
<td>ND</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 06-21-1999 / SML  
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: E.B. Babcock & Sons Inc
# City of Oceanside
## Water Utilities Laboratory
### Analytical Report

**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

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Units</th>
<th>Result</th>
<th>MDL</th>
<th>Method</th>
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</thead>
<tbody>
<tr>
<td><strong>Ion Chromatograph</strong></td>
<td>mg/l</td>
<td>---</td>
<td>---</td>
<td>EPA 300</td>
</tr>
<tr>
<td>Chloride</td>
<td></td>
<td>286</td>
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<tr>
<td>Nitrite as N</td>
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<td>&lt;0.15</td>
<td>0.150</td>
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<tr>
<td>Nitrate as N</td>
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<td>2.31</td>
<td>1.00</td>
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<tr>
<td>Sulfate</td>
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<tr>
<td><strong>Metals by ICP</strong></td>
<td>mg/L</td>
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<td>---</td>
<td>EPA 200.7</td>
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<tr>
<td>Aluminum</td>
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<tr>
<td>Boron</td>
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<td>0.01</td>
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<tr>
<td>Calcium</td>
<td></td>
<td>154</td>
<td>0.2</td>
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<tr>
<td>Iron</td>
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<td>0.301</td>
<td>0.02</td>
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<tr>
<td>Magnesium</td>
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<td>Manganese</td>
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<tr>
<td>Silver</td>
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<td>&lt;0.01</td>
<td>0.01</td>
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<tr>
<td>Cyanide</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>0.01</td>
<td>4500 CN C+E</td>
</tr>
<tr>
<td>Conductivity</td>
<td>umhos/cm</td>
<td>2020</td>
<td>20</td>
<td>SM 2510 B</td>
</tr>
<tr>
<td>Enterococcus by MF</td>
<td>Colonies/100ml</td>
<td>&lt;1</td>
<td>SM 9230 C</td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td>mg/L</td>
<td>0.36</td>
<td>0.03</td>
<td>4500 FB+C</td>
</tr>
<tr>
<td>Mercury</td>
<td>ug/L</td>
<td>&lt;1</td>
<td>0.2</td>
<td>EPA 245.1</td>
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<td>Analyte</td>
<td>Units</td>
<td>Result</td>
<td>MDL</td>
<td>Method</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>----------------</td>
<td>--------</td>
<td>------</td>
<td>-------------</td>
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<tr>
<td>Methylene Blue Active Substances</td>
<td>mg/L</td>
<td>&lt;0.05</td>
<td>0.05</td>
<td>SM 5540 C</td>
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<tr>
<td>MTF for fecal coliform</td>
<td>MPN/100ml</td>
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<td>SM 9221 E</td>
</tr>
<tr>
<td>MTF for total coliform</td>
<td>MPN/100ml</td>
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<tr>
<td>Ammonia in DW by probe</td>
<td>mg N/L</td>
<td>&lt;0.1</td>
<td>0.1</td>
<td>4500 NH3 D</td>
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<tr>
<td>pH</td>
<td>pH</td>
<td>8.01</td>
<td>---</td>
<td>SM 4500-H+ B</td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td>mg/L as CaCO3</td>
<td>260</td>
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<tr>
<td>Total Dissolved Solids</td>
<td>mg/L</td>
<td>1348</td>
<td>14</td>
<td>SM 2540 C</td>
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</tbody>
</table>

WATER UTILITIES DEPARTMENT LABORATORY, by

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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>170 mg/L</td>
<td>EPA 200.7</td>
<td>1.990504/</td>
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<tr>
<td>Potassium</td>
<td>5 mg/L</td>
<td>EPA 200.7</td>
<td>1.990504/</td>
<td></td>
</tr>
<tr>
<td>Antimony</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.006 990429/</td>
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</tr>
<tr>
<td>Arsenic</td>
<td>0.003 mg/L</td>
<td>EPA 200.8</td>
<td>0.002 990429/</td>
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</tr>
<tr>
<td>Barium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.1 990429/</td>
<td></td>
</tr>
<tr>
<td>Beryllium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.001 990429/</td>
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</tr>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.001 990429/</td>
<td></td>
</tr>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01 990429/</td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.005 990429/</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01 990429/</td>
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<tr>
<td>Molybdenum</td>
<td>0.01 mg/L</td>
<td>EPA 200.8</td>
<td>0.01 990429/</td>
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<td>Nickel</td>
<td>ND</td>
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<td>0.01 990429/</td>
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</tr>
<tr>
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<td>Total Silica</td>
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<td>0.001 990429/</td>
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<td>Zinc</td>
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<td>EPA 200.8</td>
<td>0.01 990429/</td>
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</tr>
</tbody>
</table>

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

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

cc: E. S. Babcock & Sons Inc
# City of Oceanside
## Water Utilities Laboratory
### Analytical Report

<table>
<thead>
<tr>
<th>Report Date</th>
<th>May 20, 1999</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Location</td>
<td>Douglas Bridge</td>
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<tr>
<td>Laboratory ID</td>
<td>AA15815</td>
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<tr>
<td>Sampler's Name</td>
<td>HAMMOND</td>
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<td>Sample Type</td>
<td>GRAB</td>
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<td>Collection Time</td>
<td>03/08/99 11:40</td>
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<td>Released to Lab</td>
<td>03/08/99 12:05</td>
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<table>
<thead>
<tr>
<th>Analyte</th>
<th>Units</th>
<th>Result</th>
<th>MDL</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ion Chromatograph</strong></td>
<td>mg/l</td>
<td>---</td>
<td>---</td>
<td>EPA 300</td>
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<tr>
<td>Chloride</td>
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<tr>
<td>Cyanide</td>
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<td>0.01</td>
<td>4500 CN C+E</td>
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<tr>
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<td>20</td>
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<td>Enterococcus by MF</td>
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<td>Fluoride</td>
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<td>0.03</td>
<td>4500 F B+C</td>
</tr>
<tr>
<td>Mercury</td>
<td>ug/L</td>
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<td>0.2</td>
<td>EPA 245.1</td>
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<tr>
<td>Analyte</td>
<td>Units</td>
<td>Result</td>
<td>MDL</td>
<td>Method</td>
</tr>
<tr>
<td>----------------------------------------</td>
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<td>--------</td>
<td>------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Methylene Blue Active Substances</td>
<td>mg/L</td>
<td>&lt;0.05</td>
<td>0.05</td>
<td>SM 5540 C</td>
</tr>
<tr>
<td>MTF for fecal coliform</td>
<td>MPN/100ml</td>
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<tr>
<td>MTF for total coliform</td>
<td>MPN/100ml</td>
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<tr>
<td>Ammonia in DW by probe</td>
<td>mg N/L</td>
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<td>0.1</td>
<td>4500 NH3 D</td>
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<td>pH</td>
<td>pH</td>
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<td>1372</td>
<td>14</td>
<td>SM 2540 C</td>
</tr>
</tbody>
</table>

WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales

Laboratory Supervisor
Client: City of Oceanside
Mary Gonzales
3950 N. River Road
Oceanside, CA 92054

Client I.D.: DOUGLAS BRIDGE

Site: San Luis Rey River Samples

Matrix: wastewater

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>180 mg/L</td>
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<td>990504/1</td>
</tr>
<tr>
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<td>1.</td>
<td>990504/1</td>
</tr>
<tr>
<td>Antimony</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.006</td>
<td>990429/1</td>
</tr>
<tr>
<td>Arsenic</td>
<td>0.005 mg/L</td>
<td>EPA 200.8</td>
<td>0.002</td>
<td>990429/1</td>
</tr>
<tr>
<td>Barium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.1</td>
<td>990429/1</td>
</tr>
<tr>
<td>Beryllium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.001</td>
<td>990429/1</td>
</tr>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.001</td>
<td>990429/1</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>990429/1</td>
</tr>
<tr>
<td>Copper</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>990429/1</td>
</tr>
<tr>
<td>Lead</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.005</td>
<td>990429/1</td>
</tr>
<tr>
<td>Molybdenum</td>
<td>0.01 mg/L</td>
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<td>0.01</td>
<td>990429/1</td>
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<td>Nickel</td>
<td>ND</td>
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<td>990429/1</td>
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<tr>
<td>Strontium</td>
<td>0.6 mg/L</td>
<td>EPA 200.7</td>
<td>0.001</td>
<td>990429/1</td>
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<tr>
<td>Thallium</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
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<tr>
<td>Zinc</td>
<td>ND</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>990429/1</td>
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</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Units</th>
<th>Result</th>
<th>MDL</th>
<th>Method</th>
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<tr>
<td><strong>Ion Chromatograph</strong></td>
<td>mg/l</td>
<td>---</td>
<td>---</td>
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<tr>
<td>Chloride</td>
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<tr>
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<td>Nitrate as N</td>
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<td>Sulfate</td>
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<td><strong>Metals by ICP</strong></td>
<td>mg/L</td>
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<td>---</td>
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<tr>
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<td>Boron</td>
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<tr>
<td>Calcium</td>
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<td>4500 CN C+E</td>
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<tr>
<td>Conductivity</td>
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<td>20</td>
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<tr>
<td>Enterococcus by MF</td>
<td>Colonies/100ml</td>
<td>&lt;160</td>
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<td>Fluoride</td>
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<td>0.03</td>
<td>4500 F B+C</td>
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<tr>
<td>Mercury</td>
<td>ug/L</td>
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<td>Units</td>
<td>Result</td>
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<td>Method</td>
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<td>----------------------------------------</td>
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<td>Methylene Blue Active Substances</td>
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<td>MTF for fecal coliform</td>
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<td>270</td>
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<td>MTF for total coliform</td>
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<td>Ammonia in DW by probe</td>
<td>mg N/L</td>
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<td>4500 NH3 D</td>
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<td>pH</td>
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<td>Total Dissolved Solids</td>
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<td>14</td>
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WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor
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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
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<tr>
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<td>Potassium</td>
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<td>Antimony</td>
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<td>0.006</td>
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<td>Arsenic</td>
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<td>Nickel</td>
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<td>Total Silica</td>
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<td>0.6 mg/L</td>
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<td>Thallium</td>
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<td>EPA 200.8</td>
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<td>Zinc</td>
<td>ND</td>
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<td>0.01</td>
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</tr>
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</table>

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

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

cc:

E. S. Babcock & Sons, Inc.
Date of Report: 03/22/99

<table>
<thead>
<tr>
<th>TEST METHOD</th>
<th>CHEMICAL</th>
<th>ENTRY #</th>
<th>ANALYSES RESULTS</th>
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<tbody>
<tr>
<td>524.2</td>
<td>Bromodichloromethane</td>
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<tr>
<td>524.2</td>
<td>Bromoform</td>
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<td>524.2</td>
<td>Chloroform (Trichloromethane)</td>
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<td>524.2</td>
<td>Dibromochloromethane</td>
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<td>Total Trihalomethanes (THM’S/ TTHM)</td>
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<tr>
<td>524.2</td>
<td>Benzene</td>
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<td>524.2</td>
<td>Carbon Tetrachloride</td>
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<td>1,4-Dichlorobenzene (p-DCB)</td>
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<td>1,1-Dichloroethylene (1,1-DCE)</td>
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<td>cis-1,2-Dichloroethylene (c-1,2-DCE)</td>
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<td>trans-1,2-Dichloroethylene (t-1,2-DCE)</td>
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<td>Dichloromethane (Methylene Chloride)</td>
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<td>524.2</td>
<td>1,2-Dichloropropene</td>
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<td>Total 1,3-Dichloropropene</td>
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<td>Ethyl Benzene</td>
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<td>524.2</td>
<td>Monochlorobenzene (Chlorobenzene)</td>
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<td>Styrene</td>
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<td>1,1,2,2-Tetrachloroethane</td>
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<td>Trichloroethylene (TCE)</td>
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<td>Trichlorofluoromethane (FREON 11)</td>
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**Test Method 524.2**

Regulated Organic Chemicals

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>ALL CHEMICALS REPORTED ug/L</th>
<th>ENTRY #</th>
<th>ANALYSES RESULTS</th>
<th>MCL ug/L</th>
<th>DLR ug/L</th>
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Date Collected: 99/03/08/1110

Date Received @ Lab: 99/03/09/0925

Date Completed: 99/03/17

System Name: OCEANSIDE, CITY OF

Number: 3710014

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

User ID: WAT

Date/Time of Sample: 99/03/08/1110

Laboratory Code: 4790

Date Analysis Completed: 99/03/17

System Name: City of Oceanside

Name: E.S. BABCOCK & SONS

Date/Time Sample Collected: 99/03/08/1110

Date/Time Sample Received @ Lab: 99/03/09/0925

Date Analyses Completed: 99/03/17

Report #524.2

Sample ID No. L52202-006

Director: E.S. BABCOCK

Employed By: City of Oceanside

E-Mail: esbsales@aol.com

P.O. Box 432 Riverside, CA 92502-0432

Phone: (909) 653-3351

Fax: (909) 653-1662
# ENVIRONMENTAL LABORATORY CERTIFICATION

**Page 2 of 3**

## REGULATED ORGANIC CHEMICALS CONTINUED

<table>
<thead>
<tr>
<th>TEST METHOD</th>
<th>CHEMICAL NAME</th>
<th>ENTRY #</th>
<th>ANALYSES</th>
<th>RESULTS</th>
<th>MCL ug/L</th>
<th>DLR ug/L</th>
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<tbody>
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<td>524.2</td>
<td>Trichlorotrifluoroethane (FREON 113)</td>
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**UNREGULATED ORGANIC CHEMICALS**

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Laboratory comments and description of any additional compounds found:

Metolachlor DLR = 1.0 ug/L     Metribuzin DLR = 0.15 ug/L
Date of Report: 12/17/98

Laboratory
Name: E.S. BABCOCK & SONS
Name of Sampler: CRL
Date/Time Sample Collected: 98/11/30/0945
Received @ Lab: 98/12/02/0845
Completed: 98/12/16

System
Name: OCEANSIDE, CITY OF
Name or Number of Sample Source: SAN LUIS REY RIVER @ BENET ROAD

**User ID:** WAT
**Station Number:**
**Laboratory Code:** 4790
**Date Analysis Completed:** [98/12/16]

### REGULATED ORGANIC CHEMICALS Neg Def No. 524.2

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| 524.2       | Carbon Tetrachloride | 32102 | ND | 0.5 |
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| 524.2       | 1,4-Dichlorobenzene (p-DCB) | 34571 | ND | 5 |
| 524.2       | 1,1-Dichloroethane (1,1-DCA) | 34496 | ND | 5 |
| 524.2       | 1,2-Dichloroethane (1,2-DCA) | 34531 | ND | 0.5 |
| 524.2       | 1,1-Dichloroethylene (1,1-DCE) | 34501 | ND | 6 |
| 524.2       | cis-1,2-Dichloroethylene (c-1,2-DCE) | 77093 | ND | 6 |
| 524.2       | trans-1,2-Dichloroethylene (t-1,2-DCE) | 34546 | ND | 10 |
| 524.2       | Dichloromethane (Methylene Chloride) | 34423 | ND | 5 |
| 524.2       | 1,2-Dichloropropane | 34541 | ND | 5 |
| 524.2       | Total 1,3-Dichloropropene | 34561 | ND | 5 |
| 524.2       | Ethyl Benzene | 34371 | ND | 700 |
| 524.2       | Monochlorobenzene (Chlorobenzene) | 34301 | ND | 70 |
| 524.2       | Styrene | 77128 | ND | 100 |
| 524.2       | 1,1,2,2-Tetrachloroethane | 34516 | ND | 1 |
| 524.2       | Tetrachloroethylene (PCE) | 34475 | ND | 5 |
| 524.2       | Toluene | 34010 | ND | 150 |
| 524.2       | 1,2,4-Trichlorobenzene | 34551 | ND | 70 |
| 524.2       | 1,1,1-Trichloroethane (1,1,1-TCA) | 34506 | ND | 200 |
| 524.2       | 1,1,2-Trichloroethane (1,1,2-TCA) | 34511 | ND | 5 |
| 524.2       | Trichloroethylene (TCE) | 39180 | ND | 5 |
| 524.2       | Trichlorofluoromethane (FREON 11) | 34488 | ND | 150 |</p>
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**UNREGULATED ORGANIC CHEMICALS**

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Laboratory comments and description of any additional compounds found:

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Relinquished By: Mary A. Brown
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Received By: [Signature]

Received For Lab By: [Signature]
Date/Time: 12/1/88 08:45
**City of Oceanside**  
**Water Utilities Laboratory**  
**Analytical Report**

**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

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<th>Method</th>
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WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
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

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WATER UTILITIES DEPARTMENT LABORATORY, by

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

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WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor
City of Oceanside
Water Utilities Laboratory
Analytical Report

**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

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City of Oceanside  
Water Utilities Laboratory  
Analytical Report

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City of Oceanside
Water Utilities Laboratory
Analytical Report

Report Date: September 16, 1998
Sample Location: Benet Br
Laboratory ID: AA04901
Samplar's Name: LEDESMA
Sample Type: GRAB
Collection Time: 06/01/98 10:30
Released to Lab: 06/01/98 11:40

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

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

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Date of Report: 07/09/98

Laboratory
Name: E.S. BABCOCK & SONS

Name of Sampler:

Date/Time Sample Collected: 98/06/01/1030

Date/Time Sample Received @ Lab: 98/06/02/0920

Date Analyses Completed: 98/06/06

System Name: OCEANSIDE, CITY OF

Number: 3710014

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

**REGULATED ORGANIC CHEMICALS**

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## AMENDED REPORT

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### UNREGULATED ORGANIC CHEMICALS

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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

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<th>Results</th>
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<tr>
<td>Chloride</td>
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<tr>
<td>Cyanide</td>
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<td>Fluoride</td>
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<td>Nitrite as nitrogen</td>
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<td>Nitrate as nitrogen</td>
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<td>Sulfate</td>
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<td>Enterococcus</td>
<td>9230 C</td>
<td>95 MPN/100ml</td>
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WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor

xc: water admin, file

3950 NORTH RIVER ROAD OCEANSIDE, CA 92054 TELEPHONE 760-966-3772 FAX 760-966-3770
San Luis Rey River, Benet Road Bridge  Date sampled: 16-Mar-98

LABORATORY REPORT

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<td>Barium</td>
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<tr>
<td>Zinc</td>
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City of Oceanside
Water Utilities Department Laboratory
San Luis Rey Wastewater Treatment Plant
3950 North River Road
Oceanside, California 92054

P.O. # 53621

<table>
<thead>
<tr>
<th>Samples</th>
<th>Date/Time Sampled</th>
<th>Analyze for:</th>
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| 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 Gonzalez Lab Supervisor
Name and title (print)
Signature
Date/time

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

Deborah Bridestine - Sample Receiving
Name and title (print)
Signature
Date/time
Date of Report: 03/31/98

Laboratory
Name: E.S. BABCOCK & SONS
Name of Sampler:
Date/Time Sample Collected: 98/03/16/0923
Date/Time Sample Received @ Lab: 98/03/17/0915

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

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<th>TEST METHOD</th>
<th>CHEMICAL</th>
<th>ENTRY</th>
<th>ANAYSES RESULTS</th>
<th>MCL</th>
<th>DLR</th>
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<td>Bromodichloromethane</td>
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UNREGULATED ORGANIC CHEMICALS

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### Laboratory comments and description of any additional compounds found:

**Notes:** Benet Road

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**Table: Unregulated Organic Chemicals Continued**

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San Luis Rey River, Douglas Road Bridge  
Date sampled: 16-Mar-98

LABORATORY REPORT

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<tr>
<td>Magnesium</td>
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<td>0.058 mg/L</td>
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<tr>
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<td>Molybdenum</td>
<td>200.9</td>
<td>11.7 ug/L</td>
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<thead>
<tr>
<th>Analyte</th>
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<td>80 MPN/100ml</td>
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WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor

xc: water admin, file

3950 NORTH RIVER ROAD OCEANSIDE, CA 92054 TELEPHONE 760-966-8772 FAX 760-966-8770
San Luis Rey River, Bonsall Bridge

Date sampled: 16-Mar-98

LABORATORY REPORT

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<td>Arsenic</td>
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<td>Barium</td>
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<td>Zinc</td>
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<table>
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<tr>
<th>Analyte</th>
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WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales
Laboratory Supervisor

xc: water admin, file

3950 NORTH RIVER ROAD OCEANSIDE, CA 92054 TELEPHONE 760-966-8772 FAX 760-966-8770
San Luis Rey River, Bonsall Bridge

Date sampled: 27-Oct-97

LABORATORY REPORT

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<td>Zinc</td>
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# 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

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<th>Analyte</th>
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<td>480 MPN/100ml</td>
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WATER UTILITIES DEPARTMENT LABORATORY, by

Mary Gonzales  
Laboratory Supervisor

xo: water admin, file
<table>
<thead>
<tr>
<th>Analyte</th>
<th>Method</th>
<th>Results</th>
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<td>Chromium</td>
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<td>Copper</td>
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<td>Molybdenum</td>
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<td>Nickel</td>
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<td>Zinc</td>
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## LABORATORY REPORT

<table>
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<th>Analyte</th>
<th>Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloride</td>
<td>4110 B</td>
<td>805 mg/l</td>
</tr>
<tr>
<td>Cyanide</td>
<td>4500CN C&amp;E</td>
<td>ND &lt;0.01 mg/l</td>
</tr>
<tr>
<td>Conductivity</td>
<td>2510 B</td>
<td>3610 umhos/cm</td>
</tr>
<tr>
<td>Fluoride</td>
<td>4110 B</td>
<td>ND &lt;0.2 mg/l</td>
</tr>
<tr>
<td>Ammonia as nitrogen</td>
<td>4500NH3 D</td>
<td>ND &lt;0.1 mg/l</td>
</tr>
<tr>
<td>Nitrite as nitrogen</td>
<td>4110 B</td>
<td>ND &lt;0.01 mg/l</td>
</tr>
<tr>
<td>Nitrate as nitrogen</td>
<td>4110 B</td>
<td>ND &lt;0.23 mg/l</td>
</tr>
<tr>
<td>pH</td>
<td>4500-H B</td>
<td>8.05</td>
</tr>
<tr>
<td>Sulfate</td>
<td>4110 B</td>
<td>541 mg/l</td>
</tr>
<tr>
<td>Total dissolved solids</td>
<td>2540 C</td>
<td>2660 mg/l</td>
</tr>
<tr>
<td>Total alkalinity as CaCO₃</td>
<td>2320 B</td>
<td>375 mg/l</td>
</tr>
<tr>
<td>Total hardness as CaCO₃</td>
<td>2340 B</td>
<td>1110 mg/l</td>
</tr>
<tr>
<td>Total coliform</td>
<td>9221 B</td>
<td>2800 MPN/100ml</td>
</tr>
<tr>
<td>Fecal coliform</td>
<td>9221 E</td>
<td>260 MPN/100ml</td>
</tr>
<tr>
<td>Enterococcus</td>
<td>9230 C</td>
<td>≤170³ MPN/100ml</td>
</tr>
</tbody>
</table>


WATER UTILITIES DEPARTMENT LABORATORY, by

*Mary Gonzales*

Laboratory Supervisor
San Luis Rey River, Benet Road Bridge  
Date sampled: 27-Oct-97

LABORATORY REPORT

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

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

Date: October 29, 1997

<table>
<thead>
<tr>
<th>Samples</th>
<th>Date/Time Sampled</th>
<th>Analyze for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Luis Rey River at Benet Rd</td>
<td>grab sample 0938 27-Oct-97</td>
<td>EPA 504-EDB/DBCP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 507-N&amp;P pest</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 508-pest/pcb</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 524-VOC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EPA 525-semivolatiles</td>
</tr>
<tr>
<td></td>
<td></td>
<td>total petroleum hydrocarbons</td>
</tr>
<tr>
<td>Mission Basin Desalting Facility Well 1, Well 2, Product</td>
<td>grab samples 0920 29-Oct-97</td>
<td>EPA 524-VOC</td>
</tr>
</tbody>
</table>

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

Mary Gonzales-Lab Supervisor  
10-29-97 1230

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

Angela Downey  
10-30-97 1045
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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBCP</td>
<td>ND</td>
<td>ug/L</td>
<td>0.01</td>
<td>971103/HG</td>
</tr>
<tr>
<td>EDB</td>
<td>ND</td>
<td>ug/L</td>
<td>0.02</td>
<td>971103/HG</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Sample Marked:</th>
<th>Result (µg/L)</th>
<th>DLR (µg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Luis Rey River @ Benet Rd. Water</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EPA Method 525.2 (EPA 507 analytes)**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Result</th>
<th>DLR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alachlor</td>
<td>ND</td>
<td>1</td>
</tr>
<tr>
<td>Atrazine</td>
<td>ND</td>
<td>1</td>
</tr>
<tr>
<td>Bromacil</td>
<td>ND</td>
<td>10</td>
</tr>
<tr>
<td>Butachlor</td>
<td>ND</td>
<td>0.38</td>
</tr>
<tr>
<td>Diazinon</td>
<td>ND</td>
<td>0.25</td>
</tr>
<tr>
<td>Dimethoate</td>
<td>ND</td>
<td>10</td>
</tr>
<tr>
<td>Diuron</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Metolachlor</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Metribuzin</td>
<td>ND</td>
<td>0.15</td>
</tr>
<tr>
<td>Molinate</td>
<td>ND</td>
<td>2.0</td>
</tr>
<tr>
<td>Prometryn</td>
<td>ND</td>
<td>2.0</td>
</tr>
<tr>
<td>Simazine</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Thiobencarb</td>
<td>ND</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Batch Date/Analyst: 11/11/97 JES

**EPA Method 525.2**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Result</th>
<th>DLR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylhexyladipate</td>
<td>ND</td>
<td>5</td>
</tr>
<tr>
<td>Diethylhexylphthalate</td>
<td>ND</td>
<td>3</td>
</tr>
<tr>
<td>Benzo(a) Pyrene</td>
<td>ND</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Batch Date/Analyst: 11/11/97 JES

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

Edward S. Babcock & Sons, Inc.
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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endrin</td>
<td>ND</td>
<td>0.1</td>
<td>Aldrin</td>
<td>ND</td>
<td>0.03</td>
</tr>
<tr>
<td>Heptachlor</td>
<td>ND</td>
<td>0.01</td>
<td>Heptachlor Epoxide</td>
<td>ND</td>
<td>0.01</td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>ND</td>
<td>0.5</td>
<td>Hexachlorocyclopentadiene</td>
<td>ND</td>
<td>1.0</td>
</tr>
<tr>
<td>Lindane</td>
<td>ND</td>
<td>0.2</td>
<td>Methoxychlor</td>
<td>ND</td>
<td>10</td>
</tr>
<tr>
<td>Chlordane</td>
<td>ND</td>
<td>0.1</td>
<td>PCB'S (as DCB)</td>
<td>ND</td>
<td>0.3</td>
</tr>
<tr>
<td>Chlorothalonil</td>
<td>ND</td>
<td>5.0</td>
<td>Propachlor</td>
<td>ND</td>
<td>0.5</td>
</tr>
<tr>
<td>Toxaphene</td>
<td>ND</td>
<td>1.0</td>
<td>Dieldrin</td>
<td>ND</td>
<td>0.02</td>
</tr>
</tbody>
</table>

Date analyzed / Analyst: 11/05/97 / HG
ND = None detected at RL (Reporting Limit). RL units same as result.

E. S. Babcock & Sons, Inc.
Client: City of Oceanside  
Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054

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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bentazon</td>
<td>ND</td>
<td>2.0</td>
</tr>
<tr>
<td>Dicamba</td>
<td>ND</td>
<td>1.5</td>
</tr>
<tr>
<td>Pentachlorophenol</td>
<td>ND</td>
<td>0.2</td>
</tr>
<tr>
<td>Silvex</td>
<td>ND</td>
<td>1.0</td>
</tr>
</tbody>
</table>

EPA 515.1

Date analyzed / Analyst: 971105 / HG  
ND = None detected at RL (Reporting Limit). RL units same as result.

cc: E. S. Babcock & Sons Inc.
To: City of Oceanside  
Attn: Mary Gonzales  
3950 N. River Road  
Oceanside, CA 92054

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

<table>
<thead>
<tr>
<th>Volatile Organic Compounds</th>
<th>EPA METHOD 524.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter</td>
<td>Results (ug/L)</td>
</tr>
<tr>
<td>1,1,1,2-Tetrachloroethane</td>
<td>ND</td>
</tr>
<tr>
<td>1,1-Trichloroethene</td>
<td>ND</td>
</tr>
<tr>
<td>1,2,2,2-Tetrachloroethane</td>
<td>ND</td>
</tr>
<tr>
<td>1,1,2-Trichloroethane</td>
<td>ND</td>
</tr>
<tr>
<td>1,1-Dichloroethane</td>
<td>ND</td>
</tr>
<tr>
<td>1,1-Dichloroethene</td>
<td>ND</td>
</tr>
<tr>
<td>1,1-Dichloroethene</td>
<td>ND</td>
</tr>
<tr>
<td>1,2,3-Trichloropropene</td>
<td>ND</td>
</tr>
<tr>
<td>1,2,3-Trichlorobenzene</td>
<td>ND</td>
</tr>
<tr>
<td>1,2,4-Trichlorobenzene</td>
<td>ND</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>ND</td>
</tr>
<tr>
<td>1,2-Dichlorobenzene</td>
<td>ND</td>
</tr>
<tr>
<td>1,2-Dichloroethane</td>
<td>ND</td>
</tr>
<tr>
<td>1,2-Dichloroethene</td>
<td>ND</td>
</tr>
<tr>
<td>1,2-Dichloroethene</td>
<td>ND</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>ND</td>
</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>ND</td>
</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>ND</td>
</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>ND</td>
</tr>
<tr>
<td>2,2-Dichloroethene</td>
<td>ND</td>
</tr>
<tr>
<td>2-Chloroethylether</td>
<td>ND</td>
</tr>
<tr>
<td>2-Chlorotoluene</td>
<td>ND</td>
</tr>
<tr>
<td>4-Chlorotoluene</td>
<td>ND</td>
</tr>
<tr>
<td>4-Methyl-2-Pentanone(MBK)</td>
<td>ND</td>
</tr>
<tr>
<td>bis(2-Chloroethyl)Ether</td>
<td>ND</td>
</tr>
<tr>
<td>Benzene</td>
<td>ND</td>
</tr>
<tr>
<td>Bromobenzene</td>
<td>ND</td>
</tr>
<tr>
<td>Bromochloromethane</td>
<td>ND</td>
</tr>
<tr>
<td>Bromochloromethane</td>
<td>ND</td>
</tr>
<tr>
<td>Bromoform</td>
<td>ND</td>
</tr>
<tr>
<td>Bromoform</td>
<td>ND</td>
</tr>
<tr>
<td>Bromoform</td>
<td>ND</td>
</tr>
<tr>
<td>Carbon Tetrachloride</td>
<td>ND</td>
</tr>
</tbody>
</table>

Date analyzed/Analyst: 11/01/97 / DI  
ND=None detected at Reporting Limit (RL)  
Notes:

Edward S. Babcock & Sons, Inc.

[Signature]
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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Result</th>
<th>Method</th>
<th>RL</th>
<th>Date / Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Petroleum Hydrocarbons</td>
<td>150 ug/L</td>
<td>EPA 418.1</td>
<td>100</td>
<td>971104/RA/</td>
</tr>
</tbody>
</table>

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

cc: E. S. Babcock & Sons Inc.

[Signature]
April 12, 2000

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

Dear Ms. Gonzales:

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

cc: File No. 3-2146-1000-0001-3164
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
Initiation 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
Statistical Analysis Software: TOXCALC, version 5.0

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

<table>
<thead>
<tr>
<th>Test Species and Procedure</th>
<th>Results (LC50 in % effluent)</th>
<th>TUC value (toxicity units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fathead minnow acute survival assay</td>
<td>&gt;100</td>
<td>0.41</td>
</tr>
</tbody>
</table>
Appendix A

*Pimephales promelas* (Fathead minnow) Survival

Test Data and Statistical Summaries
### 96 Hour Toxicity Test Data Sheet - Ogden Bioassay Laboratory

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

**Start Date & Time:** 3-16-00 12:00  
**End Date & Time:** 3-20-00 11:00  
**Test Organism:** P. promelas  
**Test Protocol:** EPA 91 Acute

<table>
<thead>
<tr>
<th>Concentration or Percent</th>
<th>Rep A</th>
<th>Rep B</th>
<th>Number of Live Organisms</th>
<th>D.O. (mg/L)</th>
<th>pH (mg/L)</th>
<th>Conductivity (μmhos-cm)</th>
<th>Test Temperature (°C)</th>
<th>% Surv.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>0</td>
<td>0</td>
<td>10 10 10 10 10</td>
<td>8.1 8.1 8.1 7.4 7.4</td>
<td>5.1 5.1 5.1 5.0 5.0</td>
<td>168 168 168 168 168</td>
<td>20.0 20.0 20.0 20.0 20.0</td>
<td>100</td>
</tr>
<tr>
<td>6.25%</td>
<td>10</td>
<td>0</td>
<td>10 10 10 10 10</td>
<td>8.1 8.1 8.1 7.4 7.4</td>
<td>5.1 5.1 5.1 5.0 5.0</td>
<td>168 168 168 168 168</td>
<td>20.0 20.0 20.0 20.0 20.0</td>
<td>100</td>
</tr>
<tr>
<td>12.5%</td>
<td>10</td>
<td>0</td>
<td>10 10 10 10 10</td>
<td>8.1 8.1 8.1 7.4 7.4</td>
<td>5.1 5.1 5.1 5.0 5.0</td>
<td>168 168 168 168 168</td>
<td>20.0 20.0 20.0 20.0 20.0</td>
<td>100</td>
</tr>
<tr>
<td>25%</td>
<td>10</td>
<td>1</td>
<td>9 9 9 9 9</td>
<td>8.1 8.1 8.1 7.4 7.4</td>
<td>5.1 5.1 5.1 5.0 5.0</td>
<td>168 168 168 168 168</td>
<td>20.0 20.0 20.0 20.0 20.0</td>
<td>100</td>
</tr>
<tr>
<td>50%</td>
<td>10</td>
<td>1</td>
<td>10 10 10 10 10</td>
<td>9.0 9.0 9.0 8.0 8.0</td>
<td>8.0 8.0 8.0 8.0 8.0</td>
<td>168 168 168 168 168</td>
<td>20.0 20.0 20.0 20.0 20.0</td>
<td>100</td>
</tr>
<tr>
<td>100%</td>
<td>10</td>
<td>1</td>
<td>10 10 10 10 10</td>
<td>9.0 9.0 9.0 8.0 8.0</td>
<td>8.0 8.0 8.0 8.0 8.0</td>
<td>168 168 168 168 168</td>
<td>20.0 20.0 20.0 20.0 20.0</td>
<td>100</td>
</tr>
</tbody>
</table>

**Technician Initials:** JR, DA, GA

<table>
<thead>
<tr>
<th>Conc.</th>
<th>Alkalinity* (mg/L as CaCO₃)</th>
<th>Hardness* (mg/L)</th>
<th>Chlorine Residual (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>7.4</td>
<td>82</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Highest conc.</td>
<td>276</td>
<td>770</td>
<td>&lt;0.01</td>
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</table>

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

**Comments:**  
0 hrs: Organisms 11 days old  
24 hrs:  
48 hrs: test 0815  
72 hrs:  
96 hrs:  

**Reviewed:** [Signature]  
**QA check:** [Signature]  

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

To: Ogden Bioassay Labs  
P.O. # 55807  

<table>
<thead>
<tr>
<th>Sample Description</th>
<th>Date/Time Sampled</th>
<th>Analyze for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLR River @ Benet Rd grab sample</td>
<td>03-March-00 @ 1200</td>
<td>Acute toxicity</td>
</tr>
</tbody>
</table>

Relinquished by:  
Signature: [Signature]  
Time: 15:20  
Date: 3/15/00  
Printed Name: [Printed Name]

Received by:  
Signature: [Signature]  
Time: 15:20  
Date: 3/15/00  
Printed Name: [Printed Name]

Date: March 15, 2000