

NELAP #02101CA ELAP#1156  
6100 Quail Valley Court Riverside, CA 92507-0704  
P.O. Box 432 Riverside, CA 92502-0432  
PH (951) 653-3351 FAX (951) 653-1662  
www.babcocklabs.com

*Paulova*

*nm*  
*8/13/04*

Client Name: Regional Water Qlty Cntrl Bd#8  
Contact: Nancy Olson-Martin  
Address: 3737 Main Street, Suite 500  
Riverside, CA 92501-3348

Analytical Report: Page 1 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Report Date: 16-Jul-2004

**RECEIVED**

Work Order Number: **A4F2503**

**MAY 11 2010**

Received on Ice (Y/N): Yes Temp: 3 °C

**DIVISION OF WATER QUALITY**

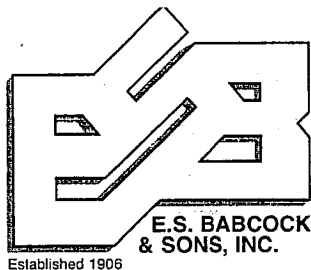
Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department at the phone number above.

**Sample Identification**

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
A4F2503-01	Cucamonga Reg. 9 Study, San Bernardino	Water	06/29/04 09:22	Eric Moser	06/30/04 06:40	Eric Moser
A4F2503-02	Lytle 1 Reg. 9 Study, San Bernardino	Water	06/29/04 10:52	Eric Moser	06/30/04 06:40	Eric Moser
A4F2503-03	Lytle 2 Reg. 9 Study, San Bernardino	Water	06/29/04 11:11	Eric Moser	06/30/04 06:40	Eric Moser
A4F2503-04	City 1 Reg. 9 Study, San Bernardino	Water	06/29/04 12:39	Eric Moser	06/30/04 06:40	Eric Moser
A4F2503-05	City 2 Reg. 9 Study, San Bernardino	Water	06/29/04 13:13	Eric Moser	06/30/04 06:40	Eric Moser
A4F2503-06	Fredalba Reg. 9 Study, San Bernardino	Water	06/29/04 14:27	Eric Moser	06/30/04 06:40	Eric Moser
A4F2503-07	Strawberry Reg. 9 Study, San Bernardino	Water	06/29/04 15:59	Eric Moser	06/30/04 06:40	Eric Moser





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Analytical Report: Page 2 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Work Order Number: A4F2503

Report Date: 16-Jul-2004

Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number

**A4F2503-01**

Sample Description  
Cucamonga  
Reg. 9 Study, San Bernardino

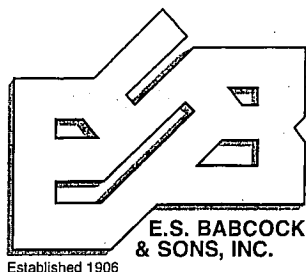
Matrix  
Water

Sampled Date/Time  
06/29/04 09:22

Received Date/Time  
06/30/04 6:40

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Anions							
Total Alkalinity	160	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Hydroxide	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Carbonate	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Bicarbonate	200	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Nitrate as N	0.27	0.20	mg/L	EPA 300.0	06/30/04 22:57	CTH	
Solids							
Total Dissolved Solids	200	20	mg/L	SM 2540C	06/30/04 16:11	aa	
Total Suspended Solids	ND	5	mg/L	SM 2540D	07/01/04 14:41	aeh	
General Physical							
Turbidity	0.52	0.20	NTU	SM 2130 B	06/30/04 20:43	era	
Nutrients							
Ammonia-Nitrogen	ND	0.10	mg/L	SM4500NH3H	07/01/04 13:40	mml	
Nitrite as N	ND	0.10	mg/L	SM 4500NO2 B	07/01/04 09:45	imm	N_HTa
Kjeldahl Nitrogen	0.12	0.10	mg/L	EPA 351.2	07/08/04 09:07	sll	
Organic Nitrogen	ND	0.1	mg/L	Calculation			
Total Nitrogen	0.4	0.2	mg/L	Calculation			
Ortho Phosphate Phosphorus	ND	0.050	mg/L	SM 4500P E	06/30/04 17:45	mml	
Total Phosphorus	ND	0.05	mg/L	SM 4500P B E	07/06/04 13:00	tlh	





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Analytical Report: Page 3 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Work Order Number: A4F2503

Report Date: 16-Jul-2004

Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number

**A4F2503-02**

Sample Description

Lytle 1  
Reg. 9 Study, San Bernardino

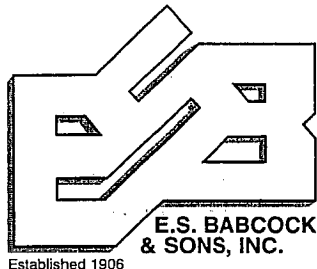
Matrix  
Water

Sampled Date/Time  
06/29/04 10:52

Received Date/Time  
06/30/04 6:40

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
<b>Anions</b>							
Total Alkalinity	130	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Hydroxide	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Carbonate	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Bicarbonate	160	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Nitrate as N	ND	0.20	mg/L	EPA 300.0	06/30/04 23:06	CTH	
<b>Solids</b>							
Total Dissolved Solids	160	20	mg/L	SM 2540C	06/30/04 16:11	aa	
Total Suspended Solids	ND	5	mg/L	SM 2540D	07/01/04 14:41	aeh	
<b>General Physical</b>							
Turbidity	ND	0.20	NTU	SM 2130 B	06/30/04 20:43	era	
<b>Nutrients</b>							
Ammonia-Nitrogen	ND	0.10	mg/L	SM4500NH3H	07/01/04 13:41	mml	
Nitrite as N	ND	0.10	mg/L	SM 4500NO2 B	07/01/04 09:45	imm	
Kjeldahl Nitrogen	0.12	0.10	mg/L	EPA 351.2	07/08/04 09:08	slf	
Organic Nitrogen	0.1	0.1	mg/L	Calculation			
Total Nitrogen	ND	0.2	mg/L	Calculation			
Ortho Phosphate Phosphorus	ND	0.050	mg/L	SM 4500P E	06/30/04 17:45	mml	
Total Phosphorus	ND	0.05	mg/L	SM 4500P B E	07/06/04 13:00	tlh	





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Analytical Report: Page 4 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

**Work Order Number: A4F2503**

Report Date: 16-Jul-2004

Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number

**A4F2503-03**

Sample Description

Lytle 2  
Reg. 9 Study, San Bernardino

Matrix

Water

Sampled Date/Time

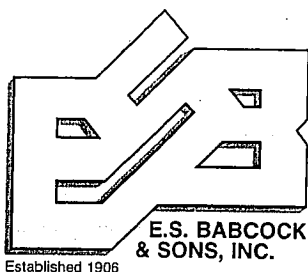
06/29/04 11:11

Received Date/Time

06/30/04 6:40

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
<b>Anions</b>							
Total Alkalinity	120	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Hydroxide	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Carbonate	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Bicarbonate	140	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Nitrate as N	ND	0.20	mg/L	EPA 300.0	06/30/04 23:15	CTH	
<b>Solids</b>							
Total Dissolved Solids	150	10	mg/L	SM 2540C	06/30/04 16:11	aa	
Total Suspended Solids	ND	5	mg/L	SM 2540D	07/01/04 14:41	aeh	
<b>General Physical</b>							
Turbidity	ND	0.20	NTU	SM 2130 B	06/30/04 20:43	era	
<b>Nutrients</b>							
Ammonia-Nitrogen	ND	0.10	mg/L	SM4500NH3H	07/01/04 13:42	mml	
Nitrite as N	ND	0.10	mg/L	SM 4500NO2 B	07/01/04 09:45	imm	
Kjeldahl Nitrogen	ND	0.10	mg/L	EPA 351.2	07/08/04 09:09	sll	
Organic Nitrogen	ND	0.1	mg/L	Calculation			
Total Nitrogen	ND	0.2	mg/L	Calculation			
Ortho Phosphate Phosphorus	ND	0.050	mg/L	SM 4500P E	06/30/04 17:45	mml	
Total Phosphorus	ND	0.05	mg/L	SM 4500P B E	07/06/04 13:00	tlh	





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Analytical Report: Page 5 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Report Date: 16-Jul-2004

Work Order Number: A4F2503

Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number  
**A4F2503-04**

Sample Description

City 1  
Reg. 9 Study, San Bernardino

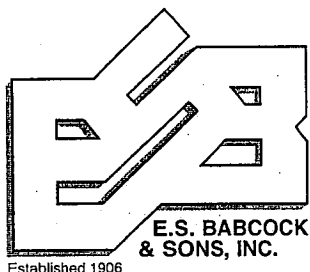
Matrix  
Water

Sampled Date/Time  
06/29/04 12:39

Received Date/Time  
06/30/04 6:40

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Anions							
Total Alkalinity	160	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Hydroxide	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Carbonate	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Bicarbonate	190	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Nitrate as N	ND	0.20	mg/L	EPA 300.0	06/30/04 23:25	CTH	
Solids							
Total Dissolved Solids	220	20	mg/L	SM 2540C	06/30/04 16:11	aa	
Total Suspended Solids	14	5	mg/L	SM 2540D	07/01/04 14:41	aeH	
General Physical							
Turbidity	3.7	0.20	NTU	SM 2130 B	06/30/04 20:43	era	
Nutrients							
Ammonia-Nitrogen	ND	0.10	mg/L	SM4500NH3H	07/01/04 13:43	mml	
Nitrite as N	ND	0.10	mg/L	SM 4500NO2 B	07/01/04 09:45	imm	
Kjeldahl Nitrogen	0.77	0.10	mg/L	EPA 351.2	07/08/04 09:12	sll	
Organic Nitrogen	0.7	0.1	mg/L	Calculation			
Total Nitrogen	0.8	0.2	mg/L	Calculation			
Ortho Phosphate Phosphorus	0.11	0.050	mg/L	SM 4500P E	06/30/04 17:45	mml	
Total Phosphorus	0.17	0.05	mg/L	SM 4500P B E	07/06/04 13:00	tlh	





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Analytical Report: Page 6 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Work Order Number: A4F2503

Report Date: 16-Jul-2004

Received on Ice (Y/N): Yes Temp: 3 °C

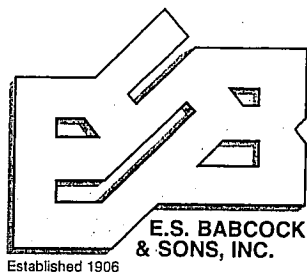
Laboratory Reference Number

**A4F2503-05**

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
City 2	Water	06/29/04 13:13	06/30/04 6:40
Reg. 9 Study, San Bernardino			

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Anions							
Total Alkalinity	150	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Hydroxide	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Carbonate	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Bicarbonate	180	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Nitrate as N	ND	0.20	mg/L	EPA 300.0	06/30/04 23:34	CTH	
Solids							
Total Dissolved Solids	220	20	mg/L	SM 2540C	06/30/04 16:11	aa	
Total Suspended Solids	ND	5	mg/L	SM 2540D	07/01/04 14:41	aeh	
General Physical							
Turbidity	1.7	0.20	NTU	SM 2130 B	06/30/04 20:43	era	
Nutrients							
Ammonia-Nitrogen	ND	0.10	mg/L	SM4500NH3H	07/01/04 13:44	mml	
Nitrite as N	ND	0.10	mg/L	SM 4500NO2 B	07/01/04 09:45	imm	
Kjeldahl Nitrogen	0.38	0.10	mg/L	EPA 351.2	07/08/04 09:13	sll	
Organic Nitrogen	0.3	0.1	mg/L	Calculation			
Total Nitrogen	0.4	0.2	mg/L	Calculation			
Ortho Phosphate Phosphorus	0.26	0.050	mg/L	SM 4500P E	06/30/04 17:45	mml	
Total Phosphorus	0.16	0.05	mg/L	SM 4500P B E	07/06/04 13:00	tlh	





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Analytical Report: Page 7 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Report Date: 16-Jul-2004

Work Order Number: A4F2503

Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number

**A4F2503-06**

Sample Description

Fredalba  
Reg. 9 Study, San Bernardino

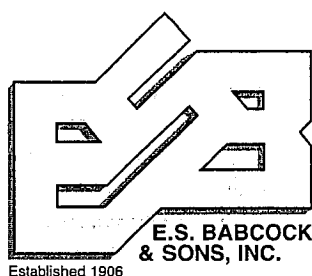
Matrix  
Water

Sampled Date/Time  
06/29/04 14:27

Received Date/Time  
06/30/04 6:40

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Anions							
Total Alkalinity	140	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Hydroxide	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Carbonate	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Bicarbonate	170	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Nitrate as N	6.2	0.20	mg/L	EPA 300.0	06/30/04 23:43	CTH	
Solids							
Total Dissolved Solids	360	20	mg/L	SM 2540C	06/30/04 16:11	aa	
Total Suspended Solids	ND	5	mg/L	SM 2540D	07/01/04 14:41	aeh	
General Physical							
Turbidity	0.32	0.20	NTU	SM 2130 B	06/30/04 20:43	era	
Nutrients							
Ammonia-Nitrogen	ND	0.10	mg/L	SM4500NH3H	07/01/04 13:44	mml	
Nitrite as N	ND	0.10	mg/L	SM 4500NO2 B	07/01/04 09:45	imm	
Kjeldahl Nitrogen	0.46	0.10	mg/L	EPA 351.2	07/08/04 09:14	sll	
Organic Nitrogen	0.4	0.1	mg/L	Calculation			
Total Nitrogen	6.7	0.2	mg/L	Calculation			
Ortho Phosphate Phosphorus	0.96	0.050	mg/L	SM 4500P E	06/30/04 17:45	mml	
Total Phosphorus	1.2	0.10	mg/L	SM 4500P B E	07/07/04 12:45	tlh	





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Analytical Report: Page 8 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

**Work Order Number: A4F2503**

Report Date: 16-Jul-2004

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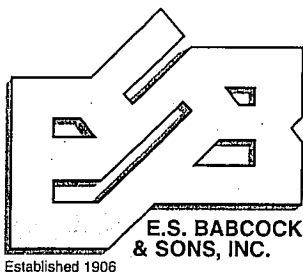
**A4F2503-07**

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Strawberry	Water	06/29/04 15:59	06/30/04 6:40
Reg. 9 Study, San Bernardino			

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Anions							
Total Alkalinity	130	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Hydroxide	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Carbonate	ND	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Bicarbonate	160	3.0	mg/L	SM 2320B	07/06/04 11:24	naa	
Nitrate as N	ND	0.20	mg/L	EPA 300.0	07/01/04 00:54	CTH	
Solids							
Total Dissolved Solids	170	20	mg/L	SM 2540C	06/30/04 16:11	aa	
Total Suspended Solids	ND	5	mg/L	SM 2540D	07/01/04 14:41	aeH	
General Physical							
Turbidity	0.63	0.20	NTU	SM 2130 B	06/30/04 20:43	era	
Nutrients							
Ammonia-Nitrogen	ND	0.10	mg/L	SM4500NH3H	07/01/04 13:47	mml	
Nitrite as N	ND	0.10	mg/L	SM 4500NO2 B	07/01/04 09:45	imm	
Kjeldahl Nitrogen	0.30	0.10	mg/L	EPA 351.2	07/08/04 09:15	sll	
Organic Nitrogen	0.3	0.1	mg/L	Calculation			
Total Nitrogen	0.4	0.2	mg/L	Calculation			
Ortho Phosphate Phosphorus	0.11	0.050	mg/L	SM 4500P E	06/30/04 17:45	mml	
Total Phosphorus	0.12	0.05	mg/L	SM 4500P B E	07/06/04 13:00	tth	







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Analytical Report: Page 9 of 16  
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Project Number: [none]

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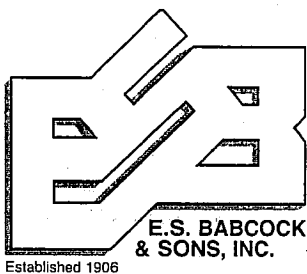
### Anions - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 4F30052 - Analyzed as received</b>										
<b>Blank (4F30052-BLK1)</b>				Prepared: 06/30/04 Analyzed: 07/01/04						
Nitrate as N	ND	0.20	mg/L							
<b>Blank (4F30052-BLK2)</b>				Prepared: 06/30/04 Analyzed: 07/01/04						
Nitrate as N	ND	0.20	mg/L							
<b>LCS (4F30052-BS1)</b>				Prepared: 06/30/04 Analyzed: 07/01/04						
Nitrate as N	10.8	0.20	mg/L	11.3		95.6	90-110			
<b>LCS (4F30052-BS2)</b>				Prepared: 06/30/04 Analyzed: 07/01/04						
Nitrate as N	10.8	0.20	mg/L	11.3		95.6	90-110			
<b>Matrix Spike (4F30052-MS1)</b>				Source: A4F2503-06 Prepared: 06/30/04 Analyzed: 07/01/04						
Nitrate as N	10.4	0.20	mg/L	4.52	6.2	92.9	80-114			
<b>Matrix Spike (4F30052-MS2)</b>				Source: A4F2579-01 Prepared: 06/30/04 Analyzed: 07/01/04						
Nitrate as N	4.58	0.20	mg/L	4.52	0.18	97.3	80-114			
<b>Matrix Spike Dup (4F30052-MSD1)</b>				Source: A4F2503-06 Prepared: 06/30/04 Analyzed: 07/01/04						
Nitrate as N	10.5	0.20	mg/L	4.52	6.2	95.1	80-114	0.957	20	
<b>Matrix Spike Dup (4F30052-MSD2)</b>				Source: A4F2579-01 Prepared: 06/30/04 Analyzed: 07/01/04						
Nitrate as N	4.51	0.20	mg/L	4.52	0.18	95.8	80-114	1.54	20	

### Batch 4G06007 - Analyzed as received

<b>Blank (4G06007-BLK1)</b>				Prepared & Analyzed: 07/06/04						
Total Alkalinity	ND	3.0	mg/L							
Hydroxide	ND	3.0	mg/L							
Carbonate	ND	3.0	mg/L							
Bicarbonate	ND	3.0	mg/L							





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Client Name: Regional Water Qlty Cntrl Bd#8  
Contact: Nancy Olson-Martin  
Address: 3737 Main Street, Suite 500  
Riverside, CA 92501-3348

Analytical Report: Page 10 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Report Date: 16-Jul-2004

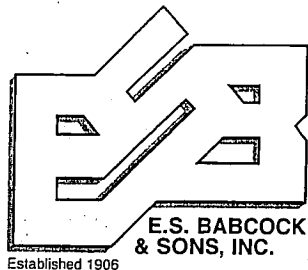
Work Order Number: A4F2503

Received on Ice (Y/N): Yes Temp: 3 °C

### Anions - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 4G06007 - Analyzed as received</b>										
<b>LCS (4G06007-BS1)</b>				Prepared & Analyzed: 07/06/04						
Total Alkalinity	469	3.0 mg/L		471		99.6	90-110			
Carbonate	281	3.0 mg/L		268		105	90-110			
<b>Duplicate (4G06007-DUP1)</b>				Source: A4F2467-01 Prepared & Analyzed: 07/06/04						
Total Alkalinity	219	3.0 mg/L			220			0.456	20	
Hydroxide	ND	3.0 mg/L			ND				20	
Carbonate	ND	3.0 mg/L			ND				20	
Bicarbonate	267	3.0 mg/L			260			2.66	20	
<b>Duplicate (4G06007-DUP2)</b>				Source: A4F2503-07 Prepared & Analyzed: 07/06/04						
Total Alkalinity	129	3.0 mg/L			130			0.772	20	
Hydroxide	ND	3.0 mg/L			ND				20	
Carbonate	ND	3.0 mg/L			ND				20	
Bicarbonate	157	3.0 mg/L			160			1.89	20	





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Analytical Report: Page 11 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Report Date: 16-Jul-2004

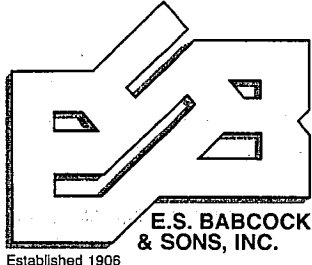
Work Order Number: A4F2503

Received on Ice (Y/N): Yes Temp: 3 °C

### Solids - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 4F30046 - Analyzed as received</b>										
<b>Blank (4F30046-BLK1)</b>				Prepared & Analyzed: 06/30/04						
Total Dissolved Solids	ND	10	mg/L							
<b>LCS (4F30046-BS1)</b>				Prepared & Analyzed: 06/30/04						
Total Dissolved Solids	744	20	mg/L	746		99.7	90-110			
<b>Duplicate (4F30046-DUP1)</b>				Source: A4F2442-01 Prepared & Analyzed: 06/30/04						
Total Dissolved Solids	174	20	mg/L		180			3.39	20	
<b>Duplicate (4F30046-DUP2)</b>				Source: A4F2473-03 Prepared & Analyzed: 06/30/04						
Total Dissolved Solids	308	20	mg/L		310			0.647	20	
<b>Batch 4G01030 - Analyzed as received</b>										
<b>Blank (4G01030-BLK1)</b>				Prepared & Analyzed: 07/01/04						
Total Suspended Solids	ND	5	mg/L							
<b>LCS (4G01030-BS1)</b>				Prepared & Analyzed: 07/01/04						
Total Suspended Solids	509	10	mg/L	500		102	90-110			
<b>Duplicate (4G01030-DUP1)</b>				Source: A4F2503-01 Prepared & Analyzed: 07/01/04						
Total Suspended Solids	ND	5	mg/L		ND				25	





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Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Report Date: 16-Jul-2004

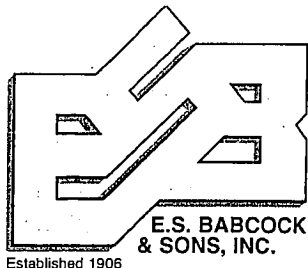
Work Order Number: A4F2503

Received on Ice (Y/N): Yes Temp: 3 °C

### General Physical - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Flag
<b>Batch 4F30042 - Analyzed as received</b>										
<b>Blank (4F30042-BLK1)</b>				Prepared & Analyzed: 06/30/04						
Turbidity	ND	0.20	NTU							
<b>LCS (4F30042-BS1)</b>				Prepared & Analyzed: 06/30/04						
Turbidity	0.863	0.20	NTU	0.850		102	90-110			
<b>Duplicate (4F30042-DUP1)</b>				Source: A4F2518-01 Prepared & Analyzed: 06/30/04						
Turbidity	0.796	0.20	NTU		0.81			1.74	20	
<b>Duplicate (4F30042-DUP2)</b>				Source: A4F2529-02 Prepared & Analyzed: 06/30/04						
Turbidity	0.163	0.20	NTU		0.17			4.20	20	





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Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Work Order Number: A4F2503

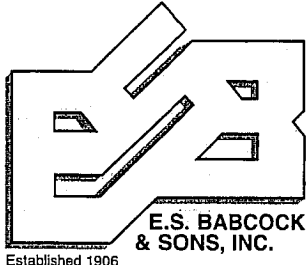
Report Date: 16-Jul-2004

Received on Ice (Y/N): Yes Temp: 3 °C

### Nutrients - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 4F30039 - Analyzed as received</b>										
<b>LCS (4F30039-BS1)</b>				Prepared & Analyzed: 06/30/04						
Ortho Phosphate Phosphorus	0.510	0.050 mg/L		0.500		102	90-110			
<b>Matrix Spike (4F30039-MS1)</b>				Source: A4F2497-01 Prepared & Analyzed: 06/30/04						
Ortho Phosphate Phosphorus	0.520	0.050 mg/L		0.500	0.035	97.0	80-120			
<b>Matrix Spike Dup (4F30039-MSD1)</b>				Source: A4F2497-01 Prepared & Analyzed: 06/30/04						
Ortho Phosphate Phosphorus	0.529	0.050 mg/L		0.500	0.035	98.8	80-120	1.72	20	
<b>Batch 4G01014 - Analyzed as received</b>										
<b>LCS (4G01014-BS1)</b>				Prepared & Analyzed: 07/01/04						
Nitrite as N	0.924	0.10 mg/L		1.00		92.4	90-110			
<b>Matrix Spike (4G01014-MS1)</b>				Source: A4F2503-01 Prepared & Analyzed: 07/01/04						
Nitrite as N	0.928	0.10 mg/L		1.00	ND	92.8	80-120			
<b>Matrix Spike Dup (4G01014-MSD1)</b>				Source: A4F2503-01 Prepared & Analyzed: 07/01/04						
Nitrite as N	0.924	0.10 mg/L		1.00	ND	92.4	80-120	0.432	20	
<b>Batch 4G01019 - Analyzed as received</b>										
<b>Blank (4G01019-BLK1)</b>				Prepared & Analyzed: 07/01/04						
Ammonia-Nitrogen	ND	0.10 mg/L								
<b>LCS (4G01019-BS1)</b>				Prepared & Analyzed: 07/01/04						
Ammonia-Nitrogen	0.828	0.10 mg/L		0.780		106	90-110			





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Client Name: Regional Water Qlty Cntrl Bd#8  
Contact: Nancy Olson-Martin  
Address: 3737 Main Street, Suite 500  
Riverside, CA 92501-3348

Analytical Report: Page 14 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Report Date: 16-Jul-2004

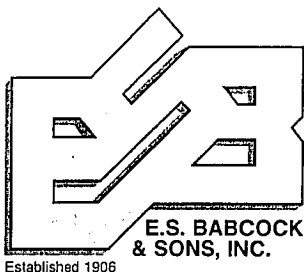
Work Order Number: A4F2503

Received on Ice (Y/N): Yes Temp: 3 °C

### Nutrients - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 4G01019 - Analyzed as received</b>										
<b>Matrix Spike (4G01019-MS1)</b>		<b>Source: A4F2503-01</b>		<b>Prepared &amp; Analyzed: 07/01/04</b>						
Ammonia-Nitrogen	0.759	0.10	mg/L	0.780	0.039	92.3	80-120			
<b>Matrix Spike Dup (4G01019-MSD1)</b>		<b>Source: A4F2503-01</b>		<b>Prepared &amp; Analyzed: 07/01/04</b>						
Ammonia-Nitrogen	0.651	0.10	mg/L	0.780	0.039	78.5	80-120	15.3	20	QMSD
<b>Batch 4G03003 - Acid Digest</b>										
<b>LCS (4G03003-BS1)</b>		<b>Prepared: 07/03/04 Analyzed: 07/06/04</b>								
Total Phosphorus	0.505	0.05	mg/L	0.500		101	80-120			
<b>LCS (4G03003-BS2)</b>		<b>Prepared: 07/03/04 Analyzed: 07/07/04</b>								
Total Phosphorus	0.560	0.05	mg/L	0.500		112	80-120			
<b>Matrix Spike (4G03003-MS1)</b>		<b>Source: A4F2503-01</b>		<b>Prepared: 07/03/04 Analyzed: 07/06/04</b>						
Total Phosphorus	0.564	0.05	mg/L	0.500	0.01	111	80-120			
<b>Matrix Spike Dup (4G03003-MSD1)</b>		<b>Source: A4F2503-01</b>		<b>Prepared: 07/03/04 Analyzed: 07/06/04</b>						
Total Phosphorus	0.575	0.05	mg/L	0.500	0.01	113	80-120	1.93	20	
<b>Batch 4G07003 - Analyzed as received</b>										
<b>Blank (4G07003-BLK1)</b>		<b>Prepared: 07/07/04 Analyzed: 07/08/04</b>								
Kjeldahl Nitrogen	ND	0.10	mg/L							
<b>LCS (4G07003-BS1)</b>		<b>Prepared: 07/07/04 Analyzed: 07/08/04</b>								
Kjeldahl Nitrogen	1.14	0.10	mg/L	1.00		114	80-120			





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Analytical Report: Page 15 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

Work Order Number: A4F2503

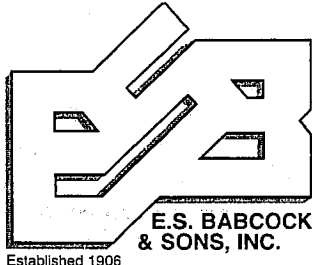
Report Date: 16-Jul-2004

Received on Ice (Y/N): Yes Temp: 3 °C

### Nutrients - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 4G07003 - Analyzed as received</b>										
<b>Matrix Spike (4G07003-MS1)</b>										
				<b>Source: A4F2503-01</b>		<b>Prepared: 07/07/04 Analyzed: 07/08/04</b>				
Kjeldahl Nitrogen	1.19	0.10	mg/L	1.00	0.12	107	50-145			
<b>Matrix Spike Dup (4G07003-MSD1)</b>										
				<b>Source: A4F2503-01</b>		<b>Prepared: 07/07/04 Analyzed: 07/08/04</b>				
Kjeldahl Nitrogen	1.11	0.10	mg/L	1.00	0.12	99.0	50-145	6.96	25	





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Analytical Report: Page 16 of 16  
Project Name: RWQCB#8-IFB No. 79180-75  
Project Number: [none]

**Work Order Number: A4F2503**

Report Date: 16-Jul-2004

Received on Ice (Y/N): Yes Temp: 3 °C

### Notes and Definitions

N\_HTa Sample analyzed outside of the EPA recommended holding time.

QMSD The MS recovery and MS/MSD RPD met laboratory acceptance criteria. MSD recovery was not within range.

ND Analyte NOT DETECTED at or above the reporting limit (RDL)

NR Not Reported

RDL = Reportable Detection Limit MDL = Method Detection Limit

---

### Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

☒ James K. Babcock  
President

☐ Allison Mackenzie  
General Manager

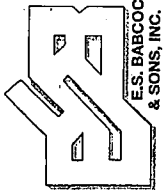
☐ Lawrence J. Chrystal  
Laboratory Director

cc:

Standard ESB Report







E.S. Babcock & Sons, Inc.  
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# Chain of Custody & Sample Information Record

Client: BWDCB-8 Contact: Pavlova Vitale Phone No. 782-4930

Project Name: Regg Study

Project Location: San Bernardino

Turn Around Time: Routine 3-5 Days 48 Hours 24 Hours

(Rushes Require Approval, Additional Charges May Apply)

Sampler Information			# of Containers & Preservatives				Analysis Requested		Matrix		Notes
ESB #	Sample ID	Date	Time	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HCl	HNO <sub>3</sub>	Na <sub>2</sub> SO <sub>3</sub>	NaOH	Total # of Containers	
	<u>Eric Moser</u>										
	<u>U.S. Forest Service</u>										
	<u>Endymion</u>										
	<u>Cucamonga</u>	<u>6/24/04</u>	<u>7:22 AM</u>	<u>1</u>	<u>1</u>					<u>2</u>	<u>DW</u>
	<u>Sample 1</u>	<u>6/24/04</u>	<u>10:52 AM</u>	<u>1</u>	<u>1</u>					<u>2</u>	
	<u>Sample 2</u>	<u>6/24/04</u>	<u>11:11 AM</u>	<u>1</u>	<u>1</u>					<u>2</u>	
	<u>City 1</u>	<u>6/24/04</u>	<u>12:04 PM</u>	<u>1</u>	<u>1</u>					<u>2</u>	
	<u>City 2</u>	<u>6/24/04</u>	<u>11:13 PM</u>	<u>1</u>	<u>1</u>					<u>2</u>	
	<u>FREDALBA</u>	<u>6/24/04</u>	<u>2:00 PM</u>	<u>1</u>	<u>1</u>					<u>2</u>	
	<u>Strawberry</u>	<u>6/24/04</u>	<u>3:54 PM</u>	<u>1</u>	<u>1</u>					<u>2</u>	

Relinquished By (sign)	Print Name / Company	Date / Time	Received By (Sign)	Print Name / Company
<u>Endymion</u>	<u>U.S. Forest Service</u>	<u>6/30 6:40 AM</u>	<u>Paul Novak</u>	<u>GT Novak 1983</u>

(For Lab Use Only)

Sample(s) Submitted on Ice? Yes No

Custody Seal(s) Intact? Yes No

Sample(s) Intact? Yes No

Temperature 3 °C

Lab No. A4F2503A

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