

7-25



NELAP #02101CA ELAP#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
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208

Client Name: Regional Water Quality C B #7
Contact: Maria De La Paz Carpio-Obeso
Address: 73-720 Fred Waring Dr. Ste. 100
Palm Desert, CA 92260

Analytical Report: Page 2 of 10
Project Name: IFB Number 79170-86 Effec
Project Number: 02-114-170-0
Report Date: 05-May-2003
Work Order Number: A3D1190

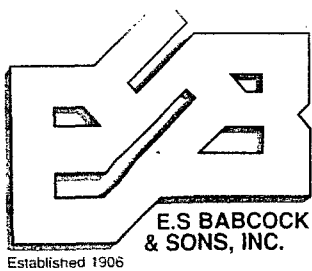
Laboratory Reference Number
A3D1190-01

Sample Description Matrix Sampled Date/Time Received Date/Time
INTK - 2.0 Palo Verde PV Pathogen TMDL Liquid 04/24/03 08:20 04/24/03 12:30

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	0.27	0.20 mg/L	EPA 300.0	04/25/03 00:25	CTH	
Aggregate Organic Compounds						
Total Organic Carbon	2.8	0.70 mg/L	SM 5310B	05/01/03 17:56	jme	
Nutrients						
Ammonia-Nitrogen	ND	0.10 mg/L	SM4500NH3H	04/29/03 14:48	slf	

*Reportable Detection Limit





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Analytical Report: Page 3 of 10
 Project Name: IFB Number 79170-86 Effec
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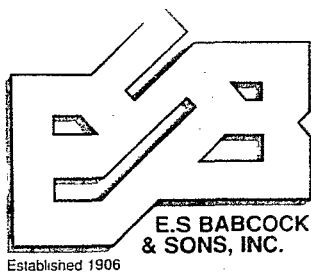
Laboratory Reference Number
A3D1190-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
INTK3 - 2.0 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 08:30	04/24/03 12:30

Analyte(s)	Result	*RDL	Units	Method	Analysis Date	Analyst	Flag
Anions							
Nitrate as N	0.29	0.20	mg/L	EPA 300.0	04/25/03 01:33	CTH	
Aggregate Organic Compounds							
Total Organic Carbon	2.8	0.70	mg/L	SM 5310B	05/01/03 18:06	jme	
Nutrients							
Ammonia-Nitrogen	0.13	0.10	mg/L	SM4500NH3H	04/29/03 14:49	sll	

*Reportable Detection Limit





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 Palm Desert, CA 92260

Analytical Report: Page 4 of 10
 Project Name: IFB Number 79170-86 Effec
 Project Number: 02-114-170-0
 Report Date: 05-May-2003
 Work Order Number: A3D1190

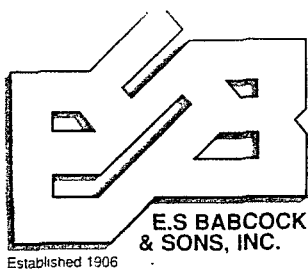
Laboratory Reference Number
A3D1190-03

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
LKDR - 2.0 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 09:25	04/24/03 12:30

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Anions							
Nitrate as N	0.41	0.20	mg/L	EPA 300.0	04/25/03 01:42	CTH	
Aggregate Organic Compounds							
Total Organic Carbon	4.8	0.70	mg/L	SM 5310B	05/01/03 18:15	jme	
Nutrients							
Ammonia-Nitrogen	0.35	0.10	mg/L	SM4500NH3H	04/29/03 14:50	sll	

*Reportable Detection Limit





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Analytical Report: Page 5 of 10
 Project Name: IFB Number 79170-86 Effec
 Project Number: 02-114-170-0
 Report Date: 05-May-2003
 Work Order Number: A3D1190

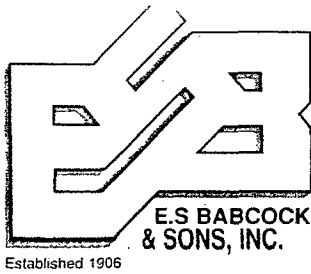
Laboratory Reference Number
A3D1190-04

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
CNDR - 2.0 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 09:50	04/24/03 12:30

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	ND	0.20 mg/L	EPA 300.0	04/25/03 01:52	CTH	
Aggregate Organic Compounds						
Total Organic Carbon	5.6	0.70 mg/L	SM 5310B	05/01/03 18:28	jme	
Nutrients						
Ammonia-Nitrogen	0.15	0.10 mg/L	SM4500NH3H	04/29/03 14:51	sll	

*Reportable Detection Limit





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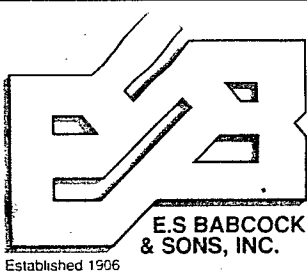
Analytical Report: Page 6 of 10
 Project Name: IFB Number 79170-86 Effect
 Project Number: 02-114-170-0
 Report Date: 05-May-2003
 Work Order Number: A3D1190

Anions - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 3D24042 - Analyzed as received										
Blank (3D24042-BLK1)				Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	ND	0.20	mg/L							
Blank (3D24042-BLK2)				Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	ND	0.20	mg/L							
Blank (3D24042-BLK3)				Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	ND	0.20	mg/L							
LCS (3D24042-BS1)				Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	11.4	0.20	mg/L	11.3		101	90-110			
LCS (3D24042-BS2)				Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	11.5	0.20	mg/L	11.3		102	90-110			
LCS (3D24042-BS3)				Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	11.5	0.20	mg/L	11.3		102	90-110			
Matrix Spike (3D24042-MS1)				Source: A3D1190-01 Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	4.53	0.20	mg/L	4.52	0.27	94.2	80-114			
Matrix Spike (3D24042-MS2)				Source: A3D1208-01 Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	4.72	0.20	mg/L	4.52	0.41	95.4	80-114			
Matrix Spike (3D24042-MS3)				Source: A3D1211-01 Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	4.11	0.20	mg/L	4.52	0.068	89.4	80-114			
Matrix Spike Dup (3D24042-MSD1)				Source: A3D1190-01 Prepared: 04/24/03 Analyzed: 04/25/03						
Nitrate as N	4.49	0.20	mg/L	4.52	0.27	93.4	80-114	0.887	20	

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Analytical Report: Page 7 of 10
 Project Name: JFB Number 79170-86 Effec
 Project Number: 02-114-170-0
 Report Date: 05-May-2003

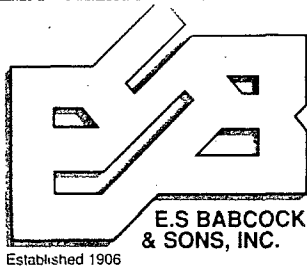
Work Order Number: A3D1190

Anions - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 3D24042 - Analyzed as received										
Matrix Spike Dup (3D24042-MSD2) Source: A3D1208-01 Prepared: 04/24/03 Analyzed: 04/25/03										
Nitrate as N	4.67	0.20	mg/L	4.52	0.41	94.2	80-114	1.06	20	
Matrix Spike Dup (3D24042-MSD3) Source: A3D1211-01 Prepared: 04/24/03 Analyzed: 04/25/03										
Nitrate as N	4.35	0.20	mg/L	4.52	0.068	94.7	80-114	5.67	20	

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Analytical Report: Page 8 of 10
 Project Name: IFB Number 79170-86 Effec
 Project Number: 02-114-170-0
 Report Date: 05-May-2003

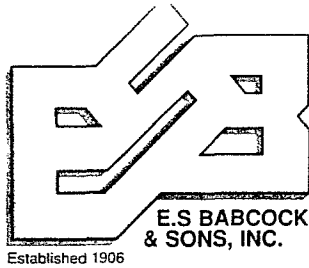
Work Order Number: A3D1190

Aggregate Organic Compounds - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Flag
Batch 3E01013 - Analyzed as received										
Blank (3E01013-BLK1)				Prepared & Analyzed: 05/01/03						
Total Organic Carbon	ND	0.70	mg/L							
Blank (3E01013-BLK2)				Prepared & Analyzed: 05/01/03						
Total Organic Carbon	ND	0.70	mg/L							
LCS (3E01013-BS1)				Prepared & Analyzed: 05/01/03						
Total Organic Carbon	3.96	0.70	mg/L	4.00		99.0	90-110			
LCS (3E01013-BS2)				Prepared & Analyzed: 05/01/03						
Total Organic Carbon	4.02	0.70	mg/L	4.00		100	90-110			
Matrix Spike (3E01013-MS1)				Source: A3D1316-04 Prepared & Analyzed: 05/01/03						
Total Organic Carbon	2160	350	mg/L	2000	ND	108	80-120			
Matrix Spike (3E01013-MS2)				Source: A3D1336-01 Prepared & Analyzed: 05/01/03						
Total Organic Carbon	14.9	0.70	mg/L	4.00	12	72.5	80-120			QMraw
Matrix Spike Dup (3E01013-MSD1)				Source: A3D1316-04 Prepared & Analyzed: 05/01/03						
Total Organic Carbon	2200	350	mg/L	2000	ND	110	80-120	1.83	10	
Matrix Spike Dup (3E01013-MSD2)				Source: A3D1336-01 Prepared & Analyzed: 05/01/03						
Total Organic Carbon	14.9	0.70	mg/L	4.00	12	72.5	80-120	0.00	10	QMraw

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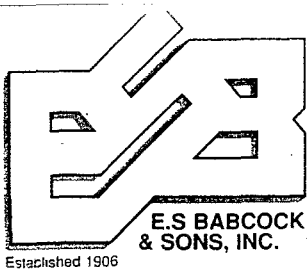
Analytical Report: Page 9 of 10
 Project Name: IFB Number 79170-86 Effec
 Project Number: 02-114-170-0
 Report Date: 05-May-2003
 Work Order Number: A3D1190

Nutrients - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 3D24007 - Analyzed as received										
Blank (3D24007-BLK1)				Prepared: 04/24/03 Analyzed: 04/29/03						
Ammonia-Nitrogen	ND	0.10	mg/L							
LCS (3D24007-BS1)				Prepared: 04/24/03 Analyzed: 04/29/03						
Ammonia-Nitrogen	0.810	0.10	mg/L	0.780	104	90-110				
Matrix Spike (3D24007-MS1)				Source: A3D1099-02 Prepared: 04/24/03 Analyzed: 04/29/03						
Ammonia-Nitrogen	0.780	0.10	mg/L	0.780	0.082	89.5	80-120			
Matrix Spike Dup (3D24007-MSD1)				Source: A3D1099-02 Prepared: 04/24/03 Analyzed: 04/29/03						
Ammonia-Nitrogen	0.774	0.10	mg/L	0.780	0.082	88.7	80-120	0.772	20	

*Reportable Detection Limit





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Analytical Report: Page 10 of 10
Project Name: IFB Number 79170-86 Effec
Project Number: 02-114-170-0
Report Date: 05-May-2003
Work Order Number: A3D1190

Notes and Definitions

- QMraw MS and/or MSD recovery within laboratory acceptance criteria based on raw data calculation.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (RDL)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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
Lab Manager

Lawrence J. Chrystal
Lab Director

cc:





E.S. Babcock & Sons, Inc.
 6100 Quail Valley Court Riverside, CA 92507
 (909) 653-3351 • FAX: (909) 653-1662

Chain of Custody & Sample Information Record

Client: _____ Contact: _____ Phone No. _____

Project Name: PV Pathogen TMDL Turn Around Time: Routine 3-5 Days 48 Hours 24 Hours
 Project Location: Palo Verde (Rushes Require Approval, Additional Charges May Apply)

Sampler Information:				# of Containers & Preservatives						Total # of Containers	Analysis Requested						Matrix	Notes
Name:	Employer:	Signature:	Unpreserved	H2SO4	HCl	HNO3	Na2S2O3	NaOH	NITRATE-NITROGEN		AMMONIA-NITROGEN	E. COLI	FECAL COLI	ENTEROCOCCI	FECAL STREPT	TOL		
ESB #	Sample ID	Date	Time															
①	INTK - 2.0	4/24/03	8:20	1	2		2		5	1	1	1	1	1	1		WW	
②	INTK3 - 2.0		8:30	1	2		2		5	1	1	1	1	1	1			
③	LKDR - 2.0		9:25	1	2		2		5	1	1	1	1	1	1			
④	LNDR - 2.0		9:50	1	2		2		5	1	1	1	1	1	1			

Relinquished By (sign)	Print Name / Company	Date / Time	Received By (Sign)	Print Name / Company
<i>Ivory Rayburn</i>	Ivory Rayburn / RWQCB-7	4/24/03 10:00	<i>Alexander White</i>	Alexander White / RWQCB-7
<i>Alexander White</i>	Alexander White / RWQCB-7	4/24/03 12:00	<i>Caron Tracy</i>	Caron Tracy / CSB

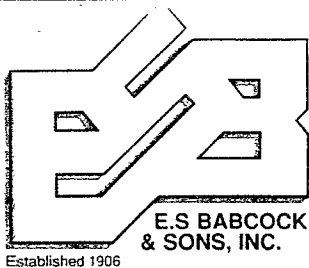
(For Lab Use Only) Sample Integrity Upon Receipt

Sample(s) Submitted on Ice? Yes No Temperature _____ °C

Custody Seal(s) Intact? Yes No N/A

Sample(s) Intact? Yes No

APR 24 2003
 Lab No. 9301190
 Page 1 / 1



04/30/03

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7-26

#288

To: Regional Water Quality Control Board #7

Attn: Jeff Allred

73-720 Fred Waring Drive, Ste 100

Palm Desert, CA 92260

Lab No. 030424-B888

Invoice No. 51357

Submitted	Sampled
-----------	---------

By: Alexander	Ivory
---------------	-------

Employer: RWQCB #7	RWQCB #7
--------------------	----------

Date: 04/24/03	04/24/03
----------------	----------

Time: 12:30	08:20
-------------	-------

Sample Received on Ice: Yes

Chain of Custody on File: Yes

Date & Time set-up: 04/24/03 @ 1355 By: ML

Time from Collection to set-up: ≤ 6 hrs.

Holding time (max.6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
Standard Methods 9221**

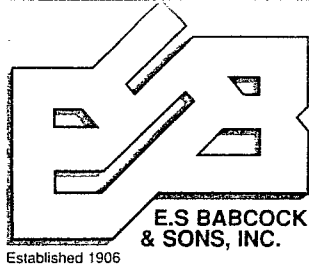
Sample ID	mL Planted	TOTAL Tubes +	COLIFORM MPN/100mL	FECAL Tubes +	COLIFORM MPN/100mL	Escherichia coli	
						Tubes +	MPN/100mL
PV Pathogen TMDL PV Palo Verde							
PV-INTK- 2.0 (9) @0820	1	5	80	4	17	4	17
	0.1	3		1		1	
	0.01	0		0		0	
	0.001	0		0		0	

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MAY - 5 2003

REGION 7





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04/30/03

#288
 To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 030424-B889
 Invoice No. 51357

Submitted	Sampled
By: Alexander	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 12:30	08:30
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04/24/03 @ 1355 By: ML
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max.6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

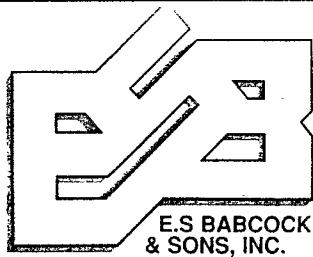
<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>FECAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>Escherichia coli Tubes +</u>	<u>MPN/100mL</u>
PV Pathogen TMDL PV Palo Verde							
PV-INTK3- 2.0 (14)	10	5	170	4	17	3	11
	1	4		1		1	
	0.1	1		0		0	
	0.01	0		0		0	

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MAY - 5 2003

REGION 7



Established 1906

#288

To: Regional Water Quality Control Board #7

Attn: Jeff Allred

73-720 Fred Waring Drive, Ste 100

Palm Desert, CA 92260

04/30/03

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e-mail: esbsales@aol.com

www.babcocklabs.com

Lab No. 030424-B890

Invoice No. 51357

Submitted | Sampled

By: Alexander | Ivory

Employer: RWQCB #7 | RWQCB #7

Date: 04/24/03 | 04/24/03

Time: 12:30 | 09:25

Sample Received on Ice: Yes

Chain of Custody on File: Yes

Date & Time set-up: 04/24/03 @ 1400 By: ML

Time from Collection to set-up: ≤ 6 hrs.

Holding time (max.6 hrs.) Observed: Yes

Multiple Tube Fermentation Technique Standard Methods 9221

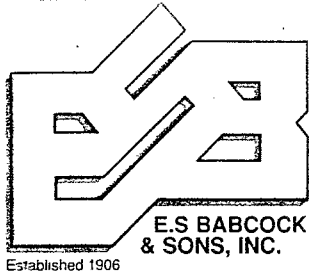
<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>FECAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>Escherichia coli Tubes +</u>	<u>MPN/100mL</u>
PV Pathogen TMDL							
PV Palo Verde							
PV-LKDR- 2.0	10	5		5		5	
(24)	1	5	≥16000	5	1700	5	1700
	0.1	5		4		4	
	0.01	5		1		1	

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REGION 7





NELAP #02101CA ELAP#1156
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 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
 www.babcocklabs.com

04/30/03

#288
 To: Regional Water Quality Control Board #7
Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 030424-B891
 Invoice No. 51357

Submitted	Sampled
By: Alexander	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 12:30	09:50
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04/24 03 @ 1405 By: ML
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max.6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

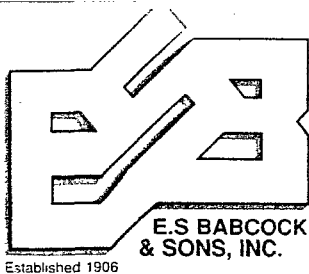
Sample ID	mL Planted	TOTAL Tubes +	COLIFORM MPN/100mL	FECAL Tubes +	COLIFORM MPN/100mL	Escherichia coli	
						Tubes +	MPN/100mL
PV Pathogen TMDL PV Palo Verde							
PV-CNDR- 2.0 (29)	10	5		5		5	
	1	5	≥16000	5	500	5	500
	0.1	5		1		1	
	0.01	5		1		1	

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04/30.03
Laboratory Results

#288

To: Regional Water Quality Control Board #7

Attn: **Jeff Allred**

73-720 Fred Waring Drive, Ste. 100,
 Palm Desert, CA 92260

Lab No. **030424-B892**
 Invoice No. **51357**

Submitted	Sampled
By: Alex	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 12:30	
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04/24/03 @ 14:20 By: ML
 Time from Collection to set-up: ≤6 hrs.
 Holding max.6 hrs.) Observed: Yes

Sample ID	mL Planted	Std. Method 9230 B.		Enterococcus	
		FECAL STREPTOCOCCUS Tubes + MPN/100mL		Tubes + MPN/100mL	
PV Pathogen TMDL PV Palo Verde					
PV-INTK 2.0 (10) @0820	10	4	34	4	13
	1	4		0	
	0.1	0		0	
	0.01	0		0	
PV-INTK3-2.0 (15) @0830	10	5	50	4	17
	1	2		1	
	0.1	0		0	
	0.01	0		0	

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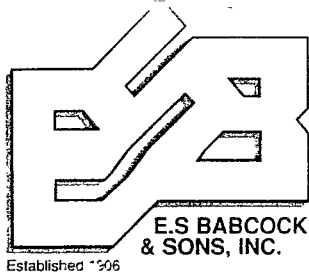
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04/30/03

Laboratory Results

#288

To: Regional Water Quality Control Board #7

Attn: Jeff Allred

73,720 Fred Waring Drive, Ste. 100

Palm Desert, CA 92260

Lab No. 030424-B893

Invoice No. 51357

	Submitted	Sampled
By:	Alex	Ivory
Employer:	RWQCB #7	RWQCB #7
Date:	04/24/03	04/24/03
Time:	12:30	
Sample Received on Ice:	Yes	
Chain of Custody on File:	Yes	

Date & Time set-up: 04/24/03 @ 14:25 By: ML

Time from Collection to set-up: ≤6 hrs.

Holding max.6 hrs.) Observed: Yes

Sample ID	mL Planted	Std. Method 9230 B. FECAL STREPTOCOCCUS		Enterococcus	
		Tubes +	MPN/100mL	Tubes +	MPN/100mL
PV Pathogen TMDL PV Palo Verde					
PV-LKDR 2.0 (25) @0925	10	5		5	
	1	5	≥16000	5	≥16000
	0.1	5		5	
	0.01	5		5	
PV-CNDR-2.0 (30) @0950	10	5		5	
	1	5	≥16000	5	5000
	0.1	5		5	
	0.01	5		2	

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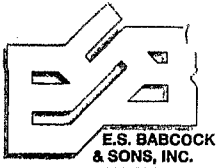
[Signature]

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RWQCB7 030424 - B888 20 - 0813

Chain of Custody & Sample Information Record

Client: _____ **Contact:** _____ **Phone No.:** _____

Project Name: W Pathogen TMDL **Turn Around Time:** Routine 3-5 Days 48 Hours 24 Hours
Project Location: Palo Verde (Rushes Require Approval, Additional Charges May Apply)

Sampler Information				# of Containers & Preservatives						Total # of Containers	Analysis Requested							Matrix	Notes
Name:	Employer:	Signature:	Unpreserved	H2SO4	HCl	HNO3	Na2S2O3	NaOH	NITRATE-NITROGEN		AMMONIA-NITROGEN	E. COLI	PHOSPHORUS	ENTEROCOCCI	TOTAL STRIP	TOC			
<u>IVORY KEYBURN</u>	<u>RWQCB-7</u>	<u>Ivory Keyburn</u>																	
ESB #	Sample ID	Date	Time																
	<u>INTK-2.0</u>	<u>4/24/03</u>	<u>8:20</u>	<u>1</u>	<u>2</u>				<u>2</u>										
	<u>INTK-3-2.0</u>		<u>8:30</u>	<u>1</u>	<u>2</u>				<u>2</u>										
	<u>LKDR-2.0</u>		<u>9:25</u>	<u>1</u>	<u>2</u>				<u>2</u>										
	<u>CNDR-2.0</u>		<u>9:50</u>	<u>1</u>	<u>2</u>				<u>2</u>										

Relinquished By (sign)	Print Name / Company	Date / Time	Received By (Sign)	Print Name / Company
<u>Ivory Keyburn</u>	<u>Ivory Keyburn/RWQCB-7</u>	<u>4/24/03</u>	<u>Alexander White</u>	<u>Alexander White/RWQCB-7</u>
<u>A. White</u>	<u>Alexander White/RWQCB-7</u>	<u>4/24/03</u>	<u>Karen Tracy</u>	<u>Karen Tracy/ESB</u>

(For Lab Use Only)

Sample Integrity Upon Receipt

Sample(s) Submitted on Ice? Yes No

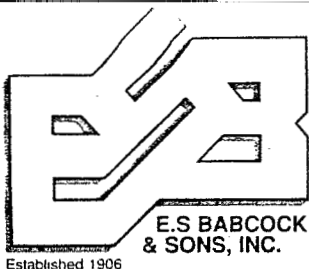
Custody Seal(s) Intact? Yes No N/A

Sample(s) Intact? Yes No

Temperature: 1 °C

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Lab No. _____
 Page 1 of 1



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04/30/03

#288
To: Regional Water Quality Control Board #7
Attn: Jeff Allred
73-720 Fred Waring Drive, Ste 100
Palm Desert, CA 92260

Lab No. 030424-B904
Invoice No. 51367

Submitted	Sampled
By: Alex	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 15:05	10:20
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04/24/03 @ 1515 By: ML
Time from Collection to set-up: ≤ 6 hrs.
Holding time (max.6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
Standard Methods 9221**

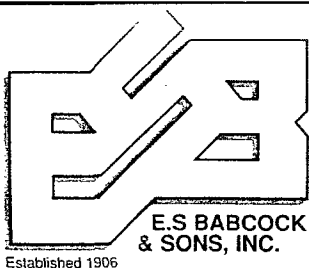
<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>FECAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>Escherichia coli Tubes + MPN/100mL</u>
PV Pathogen TMDL PV Palo Alto						
PV-FSDR-2.4 (39)	10	0	<2			
	1	0				
	0.1	0				
	0.01	0				

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

04.30/03

#288
 To: Regional Water Quality Control Board #7
 Attn: **Jeff Allred**
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 030424-B905
 Invoice No. 51367

Submitted	Sampled
By: Alex	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 15:05	10:35
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04-24/03 @ 1515 By: ML
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max.6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>FECAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>Escherichia coli Tubes +</u>	<u>MPN/100mL</u>
PV Pathogen TMDL PV Palo Verde							
PV-WSDR2-2.1 (49)	10	5		5	170	5	170
	1	5	16000	4		4	
	0.1	5		1		1	
	0.01	4		0		0	

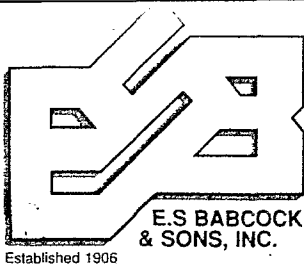
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#288
 To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 030424-B906
 Invoice No. 51367

Submitted	Sampled
By: Alex	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 15:05	10:35
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04/24/03 @ 1520 By: ML
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max.6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

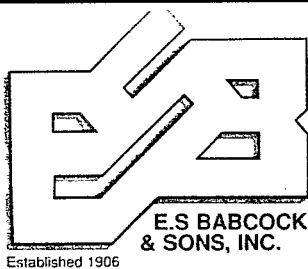
Sample ID	mL Planted	TOTAL Tubes +	COLIFORM MPN/100mL	FECAL Tubes +	COLIFORM MPN/100mL	Escherichia coli	
						Tubes +	MPN/100mL
PV Pathogen TMDL PV Palo Verde							
PV-WSDR2-2.0 (45)	10	5		5		5	220
	1	5	≥16000	5	800	4	
	0.1	5		3		2	
	0.01	5		0		0	

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04/30/03

#288
 To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 030424-B907
 Invoice No. 51367

Submitted	Sampled
By: Alex	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 15:05	12:20
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04/24/03 @ 1525 By: ML
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max.6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

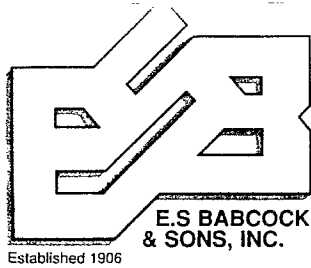
Sample ID	mL Planted	TOTAL COLIFORM		FECAL COLIFORM		<i>Escherichia coli</i>	
		Tubes +	MPN/100mL	Tubes +	MPN/100mL	Tubes +	MPN/100mL
PV Pathogen TMDL PV Palo Verde							
PV-RADR2-2.0 (54)	10	5		5		5	130
	1	5	≥16000	5	230	4	
	0.1	5		0		0	
	0.01	5		0		0	

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Laboratory Results

#288

To: Regional Water Quality Control Board #7

Attn: **Jeff Allred**

73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 030424-B908

Invoice No. 51367

Submitted	Sampled
By: Alex	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 15:05	
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04/24/03 @ 15:30 By: ML
 Time from Collection to set-up: ≤6 hrs.
 Holding max.6 hrs.) Observed: Yes

Sample ID	mL Planted	Std. Method 9230 B. FECAL STREPTOCOCCUS		Enterococcus	
		Tubes +	MPN/100mL	Tubes +	MPN/100mL
PV Pathogen TMDL PV Palo Verde					
PV-FSDR-2.4 (40) @1020	10	0	2	0	2
	1	1		1	
	0.1	0		0	
	0.01	0		0	
PV-WSDR2-2.1 (50) @1035	10	5		5	2400
	1	5	3000	5	
	0.1	5		5	
	0.01	1		0	

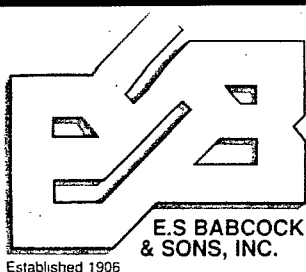
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04/30/03
Laboratory Results

#288

To: Regional Water Quality Control Board #7

Attn: Jeff Allred

73-720 Fred Waring Drive, Ste. 100
 Palm Desert, CA 92260

Lab No. 030424-B909

Invoice No. 51367

Submitted	Sampled
By: Alex	Ivory
Employer: RWQCB #7	RWQCB #7
Date: 04/24/03	04/24/03
Time: 15:05	
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 04/24/03 @ 15:40 By: ML

Time from Collection to set-up: ≤6 hrs.

Holding max.6 hrs.) Observed: Yes

Sample ID	mL Planted	Std. Method 9230 B. FECAL STREPTOCOCCUS		Enterococcus	
		Tubes +	MPN/100mL	Tubes +	MPN/100mL
PV Pathogen TMDL PV Palo Verde					
PV-WSDR-2 2.0 (45) @1035	10	5		5	
	1	5	500	5	500
	0.1	2		2	
	0.01	0		0	
PV-RADR2-2.0 (55) @1220	10	5		5	3000
	1	5	3000	5	
	0.1	5		5	
	0.01	1		1	

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030424-B404 to -B407



E.S. Babcock & Sons, Inc.
6100 Quail Valley Court Riverside, CA 92507

(909) 653-3351 • FAX (909) 653-1662

Chain of Custody & Sample Information Record

Client: RWQCB 7 Contact: _____ Phone No. _____

Project Name: PV Pathogen TMDL Turn Around Time: Routine 3-5 Days 48 Hours 24 Hours
 Project Location: Palo Verde (Rushes Require Approval, Additional Charges May Apply)

Sampler Information				# of Containers & Preservatives					Total # of Containers	Analysis Requested							Matrix	Notes								
Name:	Employer:	Signature:	ESB #	Sample ID	Date	Time	Unpreserved	H ₂ SO ₄		HCl	HNO ₃	Na ₂ S ₂ O ₃	NaOH	NITRATE-NITROGEN	AMMONIA-NITROGEN	E. COLI	FECAL COLIFORM	ENTEROCOCCI	FECAL STREPT	TOC						
<u>IVORY KEYBURN</u>	<u>RWQCB-7</u>	<u>Ivory Keyburn</u>																								
	<u>PV-FSDR-2.4</u>	<u>4/24/03</u>		<u>10:20</u>			<u>1</u>	<u>2</u>					<u>5</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>						<u>WW</u>
	<u>PV-WSDR-2.1</u>			<u>10:35</u>			<u>1</u>	<u>2</u>					<u>5</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>						
	<u>PV-WSDR-2.0</u>			<u>10:35</u>			<u>1</u>	<u>2</u>					<u>5</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>1</u>	<u>1</u>	<u>1</u>						
	<u>PV-RADR-2.0</u>			<u>12:20</u>			<u>1</u>	<u>2</u>					<u>5</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>						

Relinquished By (sign): <u>Ivory Keyburn</u>	Print Name / Company: <u>IVORY KEYBURN/RWQCB-7</u>	Date / Time: <u>4/24/03 12:40pm</u>	Received By (Sign): <u>Alex McKay</u>	Print Name / Company: <u>Alex McKay / CRWQCB 7</u>
Relinquished By (sign): <u>Alex McKay</u>	Print Name / Company: <u>Alex McKay / CRWQCB 7</u>	Date / Time: <u>4/24/03 15:05</u>	Received By (Sign): <u>Cindy Waddell</u>	Print Name / Company: <u>Cindy Waddell / ESB</u>

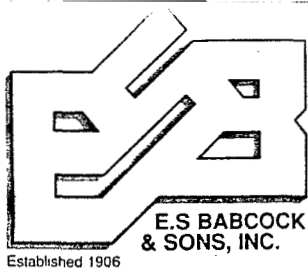
(For Lab Use Only) Sample Integrity Upon Receipt

Sample(s) Submitted on Ice? Yes No
 Custody Seal(s) Intact? Yes No N/A
 Sample(s) Intact? Yes No

Temperature: 0 °C

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Lab No. _____
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PH (909) 653-3351 FAX (909) 653-1662
e-mail: esbsales@aol.com
www.babcocklabs.com

Client Name: Regional Water Quality C B #7
Contact: Maria De La Paz Carpio-Obeso
Address: 73-720 Fred Waring Dr. Ste. 100
Palm Desert, CA 92260

Analytical Report: Page 1 of 10
Project Name: Agreement Number 00-252-
Project Number: [none]
Report Date: 05-May-2003
Work Order Number: A3D1209

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.

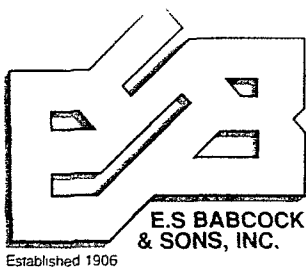
Sample Identification

Lab Sample #	Client Sample ID	Matrix	Date Sampled	By	Date Received	By
A3D1209-01	PV-FSDR-2.4 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 10:20	IR	04/24/03 15:05	Alex McK
A3D1209-02	PV-WSDR2-2.1 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 10:35	IR	04/24/03 15:05	Alex McK
A3D1209-03	PV-WSDR2-2.0 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 10:35	IR	04/24/03 15:05	Alex McK
A3D1209-04	PV-RADR2-2.0 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 12:20	IR	04/24/03 15:05	Alex McK

*Validation
By 5/21*

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 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 2 of 10
 Project Name: Agreement Number 00-252-
 Project Number: [none]
 Report Date: 05-May-2003
 Work Order Number: A3D1209

Laboratory Reference Number

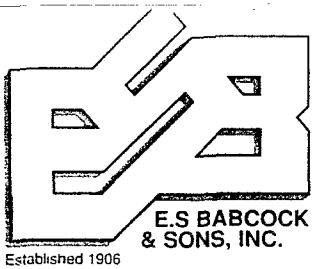
A3D1209-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
PV-FSDR-2.4 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 10:20	04/24/03 15:05

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	ND	0.20 mg/L	EPA 300.0	04/25/03 05:54	CTH	
Aggregate Organic Compounds						
Total Organic Carbon	1.2	0.70 mg/L	SM 5310B	05/01/03 18:37	jme	
Nutrients						
Ammonia-Nitrogen	ND	0.10 mg/L	SM4500NH3H	05/02/03 12:28	sll	

*Reportable Detection Limit





NELAP #02101CA ELAP#1156
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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 3 of 10
 Project Name: Agreement Number 00-252-
 Project Number: [none]
 Report Date: 05-May-2003

Work Order Number: A3D1209

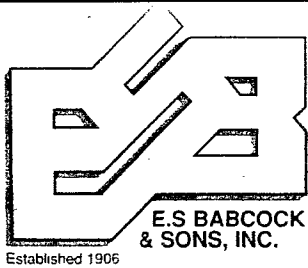
Laboratory Reference Number
A3D1209-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
PV-WSDR2-2.1 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 10:35	04/24/03 15:05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Anions							
Nitrate as N	0.34	0.20	mg/L	EPA 300.0	04/25/03 06:03	CTH	
Aggregate Organic Compounds							
Total Organic Carbon	4.0	0.70	mg/L	SM 5310B	05/01/03 18:46	jme	
Nutrients							
Ammonia-Nitrogen	0.11	0.10	mg/L	SM4500NH3H	05/02/03 12:29	sil	

*Reportable Detection Limit





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 Palm Desert, CA 92260

Analytical Report: Page 4 of 10
 Project Name: Agreement Number 00-252-
 Project Number: [none]
 Report Date: 05-May-2003

Work Order Number: A3D1209

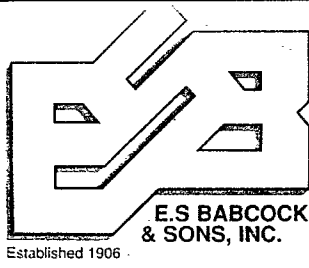
Laboratory Reference Number
A3D1209-03

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
PV-WSDR2-2.0 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 10:35	04/24/03 15:05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Anions							
Nitrate as N	0.36	0.20	mg/L	EPA 300.0	04/25/03 06:13	CTH	
Aggregate Organic Compounds							
Total Organic Carbon	4.0	0.70	mg/L	SM 5310B	05/01/03 18:56	jme	
Nutrients							
Ammonia-Nitrogen	0.12	0.10	mg/L	SM4500NH3H	05/02/03 12:29	sll	

*Reportable Detection Limit





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Analytical Report: Page 5 of 10
 Project Name: Agreement Number 00-252-
 Project Number: [none]
 Report Date: 05-May-2003
 Work Order Number: A3D1209

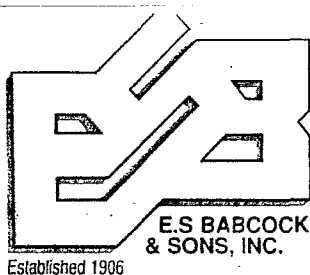
Laboratory Reference Number
A3D1209-04

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
PV-RADR2-2.0 Palo Verde PV Pathogen TMDL	Liquid	04/24/03 12:20	04/24/03 15:05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Anions							
Nitrate as N	0.74	0.20	mg/L	EPA 300.0	04/25/03 06:22	CTH	
Aggregate Organic Compounds							
Total Organic Carbon	3.3	0.70	mg/L	SM 5310B	05/01/03 19:05	jme	
Nutrients							
Ammonia-Nitrogen	ND	0.10	mg/L	SM4500NH3H	05/02/03 12:30	sll	

*Reportable Detection Limit





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Analytical Report: Page 6 of 10
 Project Name: Agreement Number 00-252-
 Project Number: [none]

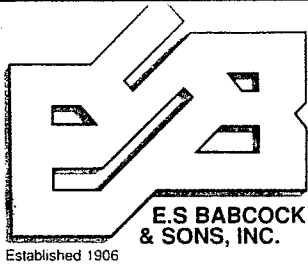
Report Date: 05-May-2003
 Work Order Number: A3D1209

Anions - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC %REC	RPD	RPD Limit	Flag
Batch 3D24042 - Analyzed as received									
Blank (3D24042-BLK1)				Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	ND	0.20	mg/L						
Blank (3D24042-BLK2)				Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	ND	0.20	mg/L						
Blank (3D24042-BLK3)				Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	ND	0.20	mg/L						
LCS (3D24042-BS1)				Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	11.4	0.20	mg/L	11.3	101	90-110			
LCS (3D24042-BS2)				Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	11.5	0.20	mg/L	11.3	102	90-110			
LCS (3D24042-BS3)				Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	11.5	0.20	mg/L	11.3	102	90-110			
Matrix Spike (3D24042-MS1)				Source: A3D1190-01 Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	4.53	0.20	mg/L	4.52	0.27	94.2	80-114		
Matrix Spike (3D24042-MS2)				Source: A3D1208-01 Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	4.72	0.20	mg/L	4.52	0.41	95.4	80-114		
Matrix Spike (3D24042-MS3)				Source: A3D1211-01 Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	4.11	0.20	mg/L	4.52	0.068	89.4	80-114		
Matrix Spike Dup (3D24042-MSD1)				Source: A3D1190-01 Prepared: 04/24/03 Analyzed: 04/25/03					
Nitrate as N	4.49	0.20	mg/L	4.52	0.27	93.4	80-114	0.887	20

*Reportable Detection Limit





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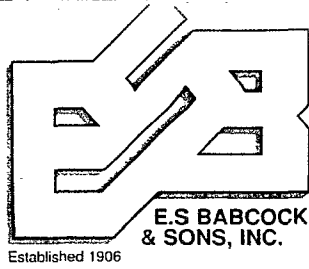
Analytical Report: Page 7 of 10
 Project Name: Agreement Number 00-252-
 Project Number: [none]
 Report Date: 05-May-2003
 Work Order Number: A3D1209

Anions - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 3D24042 - Analyzed as received										
Matrix Spike Dup (3D24042-MSD2) Source: A3D1208-01 Prepared: 04/24/03 Analyzed: 04/25/03										
Nitrate as N	4.67	0.20	mg/L	4.52	0.41	94.2	80-114	1.06	20	
Matrix Spike Dup (3D24042-MSD3) Source: A3D1211-01 Prepared: 04/24/03 Analyzed: 04/25/03										
Nitrate as N	4.35	0.20	mg/L	4.52	0.068	94.7	80-114	5.67	20	

*Reportable Detection Limit





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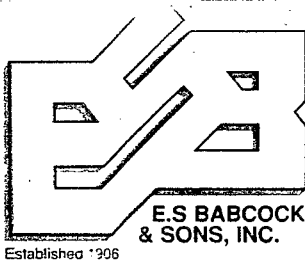
Analytical Report: Page 8 of 10
 Project Name: Agreement Number 00-252-
 Project Number: [none]
 Report Date: 05-May-2003
 Work Order Number: A3D1209

Aggregate Organic Compounds - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 3E01013 - Analyzed as received										
Blank (3E01013-BLK1)				Prepared & Analyzed: 05/01/03						
Total Organic Carbon	ND	0.70	mg/L							
Blank (3E01013-BLK2)				Prepared & Analyzed: 05/01/03						
Total Organic Carbon	ND	0.70	mg/L							
LCS (3E01013-BS1)				Prepared & Analyzed: 05/01/03						
Total Organic Carbon	3.96	0.70	mg/L	4.00		99.0	90-110			
LCS (3E01013-BS2)				Prepared & Analyzed: 05/01/03						
Total Organic Carbon	4.02	0.70	mg/L	4.00		100	90-110			
Matrix Spike (3E01013-MS1)				Source: A3D1316-04 Prepared & Analyzed: 05/01/03						
Total Organic Carbon	2160	350	mg/L	2000	ND	108	80-120			
Matrix Spike (3E01013-MS2)				Source: A3D1336-01 Prepared & Analyzed: 05/01/03						
Total Organic Carbon	14.9	0.70	mg/L	4.00	12	72.5	80-120			QMraw
Matrix Spike Dup (3E01013-MSD1)				Source: A3D1316-04 Prepared & Analyzed: 05/01/03						
Total Organic Carbon	2200	350	mg/L	2000	ND	110	80-120	1.83	10	
Matrix Spike Dup (3E01013-MSD2)				Source: A3D1336-01 Prepared & Analyzed: 05/01/03						
Total Organic Carbon	14.9	0.70	mg/L	4.00	12	72.5	80-120	0.00	10	QMraw

*Reportable Detection Limit





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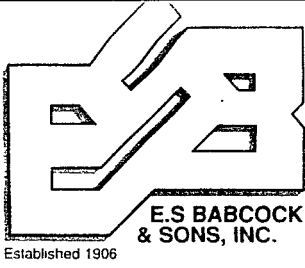
Analytical Report: Page 9 of 10
 Project Name: Agreement Number 00-252-
 Project Number: [none]
 Report Date: 05-May-2003
 Work Order Number: A3D1209

Nutrients - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 3D28022 - Analyzed as received										
Blank (3D28022-BLK1)				Prepared: 04/28/03 Analyzed: 05/02/03						
Ammonia-Nitrogen	ND	0.10	mg/L							
LCS (3D28022-BS1)				Prepared: 04/28/03 Analyzed: 05/02/03						
Ammonia-Nitrogen	0.755	0.10	mg/L	0.780		96.8	90-110			
Matrix Spike (3D28022-MS1)				Source: A3D1099-03R Prepared: 04/28/03 Analyzed: 05/02/03						
Ammonia-Nitrogen	16.8	0.50	mg/L	3.90	13	97.4	80-120			
Matrix Spike Dup (3D28022-MSD1)				Source: A3D1099-03R Prepared: 04/28/03 Analyzed: 05/02/03						
Ammonia-Nitrogen	16.2	0.50	mg/L	3.90	13	82.1	80-120	3.64	20	

*Reportable Detection Limit





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Palm Desert, CA 92260

Analytical Report: Page 10 of 10
Project Name: Agreement Number 00-252-
Project Number: [none]

Report Date: 05-May-2003

Work Order Number: A3D1209

Notes and Definitions

- QMraw MS and/or MSD recovery within laboratory acceptance criteria based on raw data calculation.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (RDL)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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 Allison Mackenzie Lawrence J. Chrystal
President Lab Manager Lab Director

cc:





E.S. Babcock & Sons, Inc.
 6100 Quail Valley Court Riverside, CA 92507
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Chain of Custody & Sample Information Record

Client: _____ Contact: _____ Phone No. _____

Project Name: PV Pathogen TMDL
 Project Location: Palo Verde
 Turn Around Time: Routine 3-5 Days 48 Hours 24 Hours
 (Rushes Require Approval, Additional Charges May Apply)

Sampler Information
 Name: Wally Reibman
 Employer: RWOCB-7
 Signature: [Signature]
 Sample ID: _____
 Date: 4/24/03 Time: 10:20
 # of Containers & Preservatives: _____
 Unpreserved: _____
 H2SO4 _____
 HCl _____
 HNO3 _____
 Na2S2O3 _____
 NaOH _____

ESB #	Sample ID	Date	Time	Matrix	Total # of Containers	Analysis Requested
	<u>PV-FSDR-2.4</u>	<u>4/24/03</u>	<u>10:20</u>	<u>WW</u>	<u>5</u>	<u>NITRATE-NITROGEN AMONIA-NITROGEN E.COLI</u>
	<u>PV-WSDR-2.1</u>	<u>4/24/03</u>	<u>10:35</u>		<u>5</u>	<u>FEZAM, IODINE, ENTEROCOCCI, FEZAM, STREPTOC</u>
	<u>PV-WSDR-2.0</u>	<u>4/24/03</u>	<u>10:35</u>		<u>5</u>	<u>FEZAM, IODINE, ENTEROCOCCI, FEZAM, STREPTOC</u>
	<u>PV-PDR-2.0</u>	<u>4/24/03</u>	<u>12:20</u>		<u>5</u>	<u>FEZAM, IODINE, ENTEROCOCCI, FEZAM, STREPTOC</u>

Relinquished By (Sign)	Print Name / Company	Date / Time	Received By (Sign)	Print Name / Company
<u>[Signature]</u>	<u>Wally Reibman/RWOCB-7</u>	<u>4/24/03 12:40pm</u>	<u>[Signature]</u>	<u>Alex McKay / CRWOCB 7</u>
<u>[Signature]</u>	<u>Alex McKay / CRWOCB 7</u>	<u>4/24/03 15:05</u>	<u>[Signature]</u>	<u>Gindy Waddell / ESB</u>

(For Lab Use Only) Sample Integrity Upon Receipt

Temperature: _____

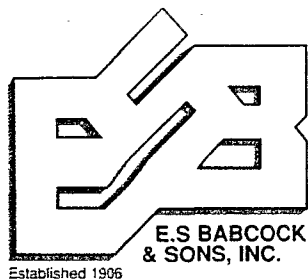
Sample(s) Submitted on Ice? YES NO

Custody Seal(s) intact? YES NO N/A

Sample(s) intact? YES NO

Page 1 of 1

Lab No. ABD1209A6



7-29

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Palm Desert, CA 92260

Analytical Report: Page 1 of 12
Project Name: IFB Number 79170-86 Effic
Project Number: [none]
Report Date: 12-Dec-2002
Work Order Number: A2L0078

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.

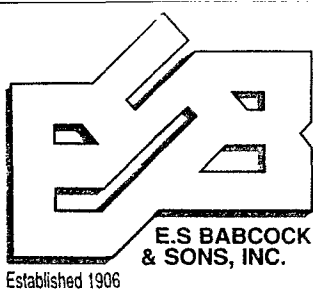
Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department at the phone number above.

Sample Identification

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Received</u>	<u>By</u>
A2L0078-01	Palo Verde - PV-INTK-2.0	Liquid	12/03/02 07:35	Ivory Re	12/03/02 12:10	Alexandre
A2L0078-02	Palo Verde - PV-INTK2-2.0	Liquid	12/03/02 07:15	Ivory Re	12/03/02 12:10	Alexandre
A2L0078-03	Palo Verde - PV-INTK3-2.0	Liquid	12/03/02 07:55	Ivory Re	12/03/02 12:10	Alexandre
A2L0078-04	Palo Verde - PV-EADR3-2.0	Liquid	12/03/02 08:40	Ivory Re	12/03/02 12:10	Alexandre
A2L0078-05	Palo Verde - PV-LKDR3-2.0	Liquid	12/03/02 09:10	Ivory Re	12/03/02 12:10	Alexandre

DEC 16 2002





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Client Name: Regional Water Quality C B #7
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 Palm Desert, CA 92260

Analytical Report: Page 2 of 12
 Project Name: IFB Number 79170-86 Effic
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

Laboratory Reference Number
A2L0078-01

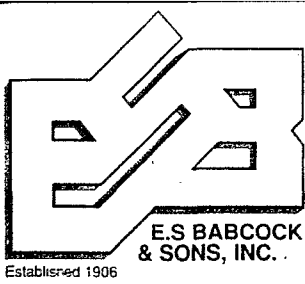
<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - PV-INTK-2.0	Liquid	12/03/02 07:35	12/03/02 12:10

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	0.2	0.2 mg/L	EPA 300.0	12/04/02 04:14	DT	
Aggregate Organic Compounds						
Total Organic Carbon	3.2	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	0.1	0.1 mg/L	SM 4500 NH3	12/06/02 15:52	sl	

*Reportable Detection Limit



DEC 16 2002



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Client Name: Regional Water Quality C B #7
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Analytical Report: Page 3 of 12
 Project Name: IFB Number 79170-86 Effect
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

Laboratory Reference Number
A2L0078-02

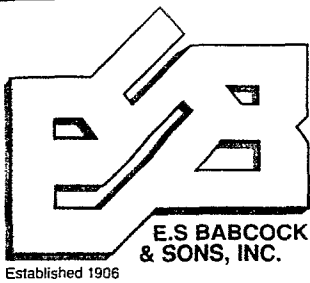
<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - PV-INTK2-2.0	Liquid	12/03/02 07:15	12/03/02 12:10

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	0.2	0.2 mg/L	EPA 300.0	12/04/02 04:21	DT	
Aggregate Organic Compounds						
Total Organic Carbon	3.4	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	ND	0.1 mg/L	SM 4500 NH3	12/06/02 15:53	sil	

*Reportable Detection Limit

DEC 16 2002





NELAP #02101CA ELAP#1156
 6100 Quail Valley Court Riverside, CA 92507-0704
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 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
 www.babcocklabs.com

Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste.100
 Palm Desert, CA 92260

Analytical Report: Page 4 of 12
 Project Name: JEB Number 79170-86 Effec...
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

Laboratory Reference Number
A2L0078-03

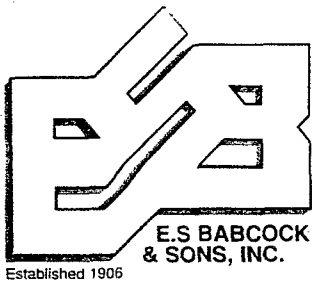
<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - PV-INTK3-2.0	Liquid	12/03/02 07:55	12/03/02 12:10

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	0.2	0.2 mg/L	EPA 300.0	12/04/02 04:29	DT	
Aggregate Organic Compounds						
Total Organic Carbon	3.1	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	0.1	0.1 mg/L	SM 4500 NH3	12/06/02 15:54	sl	

*Reportable Detection Limit



DEC 16 2002



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 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 5 of 12
 Project Name: IFB Number 79170-86.Effec...
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

Laboratory Reference Number
A2L0078-04

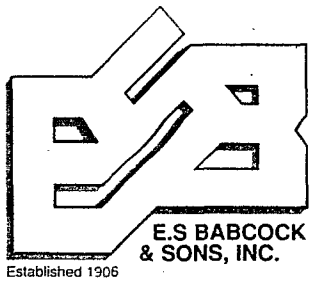
<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - PV-EADR3-2.0	Liquid	12/03/02 08:40	12/03/02 12:10

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	0.3	0.2 mg/L	EPA 300.0	12/04/02 04:37	DT	
Aggregate Organic Compounds						
Total Organic Carbon	3.1	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	ND	0.1 mg/L	SM 4500 NH3	12/05/02 15:10	sll	

*Reportable Detection Limit

DEC 16 2002





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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 6 of 12
 Project Name: IFB Number 79170-86, Effec
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

Laboratory Reference Number
A2L0078-05

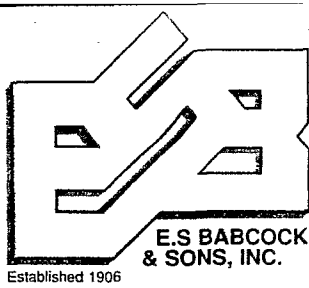
<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - PV-LKDR3-2.0	Liquid	12/03/02 09:10	12/03/02 12:10

Analyte(s)	Result	*RDL	Units	Method	Analysis Date	Analyst	Flag
Anions							
Nitrate as N	0.3	0.2	mg/L	EPA 300.0	12/04/02 04:45	DT	
Aggregate Organic Compounds							
Total Organic Carbon	4.0	0.70	mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients							
Ammonia-Nitrogen	0.4	0.1	mg/L	SM 4500 NH3	12/05/02 15:11	sll	

*Reportable Detection Limit



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 Palm Desert, CA 92260

Analytical Report: Page 7 of 12
 Project Name: IFB Number 79170-86 Effect
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

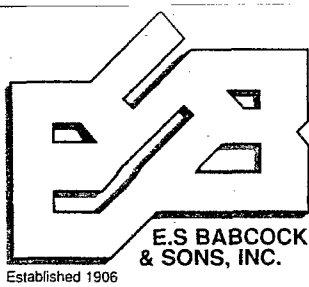
Anions - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 2L03036 - Analyzed as received										
Blank (2L03036-BLK1)				Prepared: 12/03/02 Analyzed: 12/04/02						
Nitrate as N	ND	0.2	mg/L							
Blank (2L03036-BLK2)				Prepared: 12/03/02 Analyzed: 12/04/02						
Nitrate as N	ND	0.2	mg/L							
LCS (2L03036-BS1)				Prepared: 12/03/02 Analyzed: 12/04/02						
Nitrate as N	11.6	0.2	mg/L	11.3		103	90-110			
LCS (2L03036-BS2)				Prepared: 12/03/02 Analyzed: 12/04/02						
Nitrate as N	11.6	0.2	mg/L	11.3		103	90-110			
Matrix Spike (2L03036-MS1)				Source: A2L0096-01 Prepared: 12/03/02 Analyzed: 12/04/02						
Nitrate as N	5.44	0.2	mg/L	4.51	1.4	89.6	80-120			
Matrix Spike (2L03036-MS2)				Source: A2L0134-05 Prepared: 12/03/02 Analyzed: 12/04/02						
Nitrate as N	4.09	0.2	mg/L	4.51	ND	90.7	80-120			
Matrix Spike Dup (2L03036-MSD1)				Source: A2L0096-01 Prepared: 12/03/02 Analyzed: 12/04/02						
Nitrate as N	5.40	0.2	mg/L	4.51	1.4	88.7	80-120	0.738	20	
Matrix Spike Dup (2L03036-MSD2)				Source: A2L0134-05 Prepared: 12/03/02 Analyzed: 12/04/02						
Nitrate as N	4.14	0.2	mg/L	4.51	ND	91.8	80-120	1.22	20	

*Reportable Detection Limit

DEC 16 2002





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 Palm Desert, CA 92260

Analytical Report: Page 8 of 12
 Project Name: IFB Number 79170-86.Effec
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

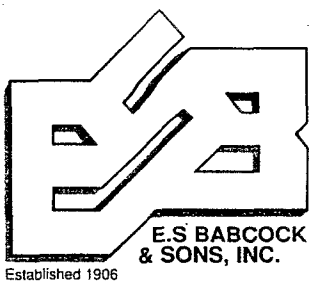
Aggregate Organic Compounds - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Flag
Batch 2L06001 - Analyzed as received										
Blank (2L06001-BLK1)				Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	ND	0.70	mg/L							
Blank (2L06001-BLK2)				Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	ND	0.70	mg/L							
Blank (2L06001-BLK3)				Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	ND	0.70	mg/L							
LCS (2L06001-BS1)				Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	4.05	0.70	mg/L	4.00		101	90-110			
LCS (2L06001-BS2)				Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	4.39	0.70	mg/L	4.00		110	90-110			
LCS (2L06001-BS3)				Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	4.07	0.70	mg/L	4.00		102	90-110			
Matrix Spike (2L06001-MS1)				Source: A2L0247-02 Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	7.77	0.70	mg/L	4.00	3.6	104	80-120			
Matrix Spike (2L06001-MS2)				Source: A2L0251-20 Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	14.9	0.70	mg/L	4.00	11	97.5	80-120			
Matrix Spike (2L06001-MS3)				Source: A2L0251-32 Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	13.9	0.70	mg/L	4.00	10	97.5	80-120			
Matrix Spike Dup (2L06001-MSD1)				Source: A2L0247-02 Prepared: 12/06/02 Analyzed: 12/11/02						
Total Organic Carbon	7.33	0.70	mg/L	4.00	3.6	93.2	80-120	5.83	10	

*Reportable Detection Limit



12/10/2002



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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 9 of 12
 Project Name: IFB Number 79170-86 Effect
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

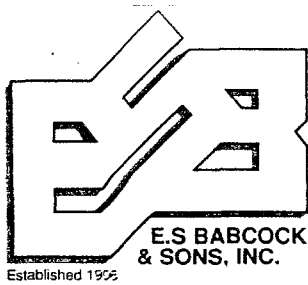
Aggregate Organic Compounds - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 2L06001 - Analyzed as received										
Matrix Spike Dup (2L06001-MSD2) Source: A2L0251-20 Prepared: 12/06/02 Analyzed: 12/11/02										
Total Organic Carbon	14.5	0.70	mg/L	4.00	11	87.5	80-120	2.72	10	
Matrix Spike Dup (2L06001-MSD3) Source: A2L0251-32 Prepared: 12/06/02 Analyzed: 12/11/02										
Total Organic Carbon	13.8	0.70	mg/L	4.00	10	95.0	80-120	0.722	10	

*Reportable Detection Limit

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Client Name: Regional Water Quality C B #7
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 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 10 of 12
 Project Name: IFB Number 79170-86 Effic.
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

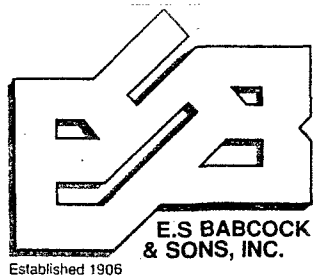
Nutrients - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Flag
Batch 2L05016 - Analyzed as received										
Blank (2L05016-BLK1)				Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	ND	0.1	mg/L							
Blank (2L05016-BLK2)				Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	ND	0.1	mg/L							
LCS (2L05016-BS1)				Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	0.811	0.1	mg/L	0.780		104	90-110			
LCS (2L05016-BS2)				Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	0.811	0.1	mg/L	0.780		104	90-110			
Matrix Spike (2L05016-MS1)				Source: A2L0081-01 Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	1.26	0.1	mg/L	0.780	0.6	84.6	80-120			
Matrix Spike (2L05016-MS2)				Source: A2L0143-02 Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	0.764	0.1	mg/L	0.780	ND	97.9	80-120			
Matrix Spike Dup (2L05016-MSD1)				Source: A2L0081-01 Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	1.26	0.1	mg/L	0.780	0.6	84.6	80-120	0.00	20	
Matrix Spike Dup (2L05016-MSD2)				Source: A2L0143-02 Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	0.764	0.1	mg/L	0.780	ND	97.9	80-120	0.00	20	
Batch 2L05059 - Analyzed as received										
Blank (2L05059-BLK1)				Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	ND	0.1	mg/L							

*Reportable Detection Limit



DEC 16 2002



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Analytical Report: Page 11 of 12
 Project Name: IFB Number 79170-86 Effect
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0078

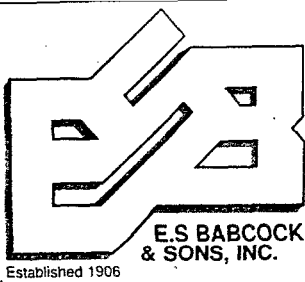
Nutrients - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Flag
Batch 2L05059 - Analyzed as received										
Blank (2L05059-BLK2)				Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	ND		0.1 mg/L							
LCS (2L05059-BS1)				Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.848		0.1 mg/L	0.780		109	90-110			
LCS (2L05059-BS2)				Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.847		0.1 mg/L	0.780		109	90-110			
Matrix Spike (2L05059-MS1)				Source: A2L0078-01 Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.824		0.1 mg/L	0.780	0.1	92.8	80-120			
Matrix Spike (2L05059-MS2)				Source: A2L0245-03 Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.848		0.1 mg/L	0.780	0.06	101	80-120			
Matrix Spike Dup (2L05059-MSD1)				Source: A2L0078-01 Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.813		0.1 mg/L	0.780	0.1	91.4	80-120	1.34	20	
Matrix Spike Dup (2L05059-MSD2)				Source: A2L0245-03 Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.849		0.1 mg/L	0.780	0.06	101	80-120	0.118	20	

*Reportable Detection Limit

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Contact: Maria De La Paz Carpio-Obeso
Address: 73-720 Fred Waring Dr. Ste. 100
Palm Desert, CA 92260

Analytical Report: Page 12 of 12
Project Name: JFB Number 79170-86 Effec...
Project Number: [none]
Report Date: 12-Dec-2002
Work Order Number: A2L0078

Notes and Definitions

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (RDL)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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
Lab Manager
 - Lawrence J. Chrystal
Lab Director

cc:

DEC 16 2002





E.S. Babcock & Sons, Inc.
 6100 Quail Valley Court Riverside, CA 92507
 (909) 653-3351 • FAX (909) 653-1662

Chain of Custody & Sample Information Record

Client: CRW & CB - R7 Contact: Ivory Reburn Phone No. (760) 776-8933

Project Name: Palo Verde Turn Around Time: Routine 3-5 Days 48 Hours 24 Hours
 Project Location: Palo Verde, CA (Rushes Require Approval, Additional Charges May Apply)

Sampler Information				# of Containers & Preservatives					Total # of Containers	Analysis Requested					Matrix	Notes	
Name	Employer	Signature		Unpreserved	H2SO4	HCl	HNO3	Na2S2O3		NaOH	NITRATE AS N	AMMONIA-NITROGEN	TOL	FECAL COLI E. COLI			STREP, ENTERO
<u>Ivory Reburn</u>	<u>CRW & CB - R7</u>	<u>Ivory Reburn</u>								5	1	1	1	1	1	DW = Drinking Water WW = Wastewater GW = Groundwater S = Soil SG = Sludge L = Liquid M = Miscellaneous	* Bottles 4 @ \$5 Have ID # 2-2 * Bottles 9 @ \$10 Have ID # 2-2
* PV-INTR-2.0		12/3/02	7:35a	3	2					5	1	1	1	1	1	WW	
* PV-INTR2-2.0			7:52a	3	2					5	1	1	1	1	1		
✓ PV-INTR3-2.0			7:55a	3	2					5	1	1	1	1	1		
✓ PV-EADR3-2.0			8:40a	3	2					5	1	1	1	1	1		
✓ PV-LKDR3-2.0			9:10a	3	2					5	1	1	1	1	1		
✓ PV-RADR3-2.2			9:30a	1						1					1		
✓ PV-RADR3-2.4			9:30a	1						1					1		

Relinquished By (sign) <u>Alexander Whyte</u>	Print Name / Company <u>Alexander Whyte / SWR & CB</u>	Date / Time <u>12/2 12:10pm</u>	Received By (Sign) <u>Angie Brown</u>	Print Name / Company <u>Angie Brown / Est</u>
--	---	------------------------------------	--	--

(For Lab Use Only) Sample Integrity Upon Receipt

Sample(s) Submitted on Ice? Yes No

Custody Seal(s) Intact? Yes No N/A

Sample(s) Intact? Yes No

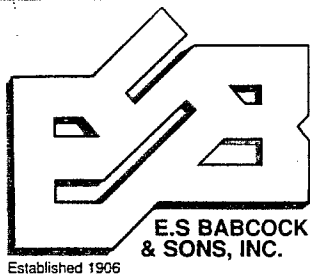
Temperature 2 °C

DEC 16 2002

DEC 03 2002

Lab No. A210078

Page 1 of 1



7-30

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Contact: Maria De La Paz Carpio-Obeso
Address: 73-720 Fred Waring Dr. Ste. 100
Palm Desert, CA 92260

Analytical Report: Page 1 of 12
Project Name: IFB Number 79170-86 Effec
Project Number: [none]
Report Date: 12-Dec-2002
Work Order Number: A2L0126

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.

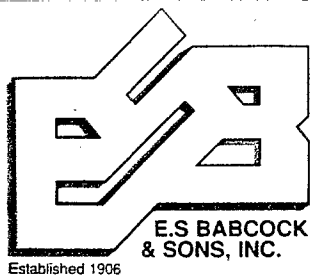
Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department at the phone number above.

Sample Identification

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Received</u>	<u>By</u>
A2L0126-01	Palo Verde - CNDR3-2.0	Liquid	12/03/02 10:50	Ivory Re	12/03/02 16:10	Theresa I
A2L0126-02	Palo Verde - CNDR3-2.4	Liquid	12/03/02 10:50	Ivory Re	12/03/02 16:10	Theresa I
A2L0126-03	Palo Verde - WSDR3-2.0	Liquid	12/03/02 11:20	Ivory Re	12/03/02 16:10	Theresa I
A2L0126-04	Palo Verde - WSDR3-2.1	Liquid	12/03/02 11:20	Ivory Re	12/03/02 16:10	Theresa I
A2L0126-05	Palo Verde - RADR3-2.0	Liquid	12/03/02 10:15	Ivory Re	12/03/02 16:10	Theresa I

DEC 16 2002





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 Contact: Maria De-La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 2 of 12
 Project Name: IFB Number: 79170-86.Effec
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0126

Laboratory Reference Number
A2L0126-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - CND3-2.0	Liquid	12/03/02 10:50	12/03/02 16:10

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	ND	0.2 mg/L	EPA 300.0	12/04/02 07:02	DT	
Aggregate Organic Compounds						
Total Organic Carbon	3.6	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	0.2	0.1 mg/L	SM 4500 NH3	12/05/02 15:18	sl	

*Reportable Detection Limit



DEC 16 2002



NELAP #02101CA ELAP#1156
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 PH (909) 653-3351 FAX (909) 653-1662
 e-mail: esbsales@aol.com
 www.babcocklabs.com

Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 3 of 12
 Project Name: IFB Number 79170-86 Effec
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0126

Laboratory Reference Number

A2L0126-02

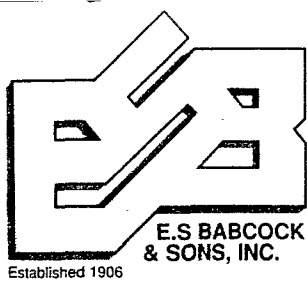
<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - CNDR3-2.4	Liquid	12/03/02 10:50	12/03/02 16:10

Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	ND	0.2 mg/L	EPA 300.0	12/04/02 07:08	DT	
Aggregate Organic Compounds						
Total Organic Carbon	1.3	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	ND	0.1 mg/L	SM 4500 NH3	12/06/02 15:55	sll	

*Reportable Detection Limit

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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 4 of 12
 Project Name: IFB Number 79170-86 Effec
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0126

Laboratory Reference Number
A2L0126-03

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - WSDR3-2.0	Liquid	12/03/02 11:20	12/03/02 16:10

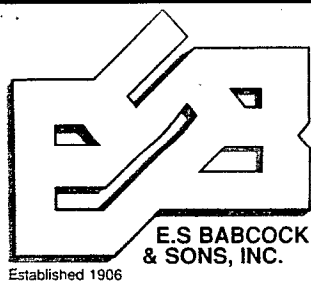
Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	0.3	0.2 mg/L	EPA 300.0	12/04/02 07:29	DT	
Aggregate Organic Compounds						
Total Organic Carbon	3.9	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	ND	0.1 mg/L	SM 4500 NH3	12/05/02 15:20	sll	

*Reportable Detection Limit



DEC 16 2002

REGION 7



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Client Name: Regional Water Quality C B #7
Contact: Maria De La Paz Carpio-Obeso
Address: 73-720 Fred Waring Dr. Ste. 100
Palm Desert, CA 92260

Analytical Report: Page 5 of 12
Project Name: IFB Number 79170-86 Effect
Project Number: [none]
Report Date: 12-Dec-2002
Work Order Number: A2L0126

Laboratory Reference Number
A2L0126-04

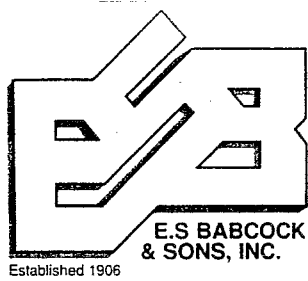
<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - WSDR3-2.1	Liquid	12/03/02 11:20	12/03/02 16:10

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Anions						
Nitrate as N	0.3	0.2 mg/L	EPA 300.0	12/04/02 07:36	DT	
Aggregate Organic Compounds						
Total Organic Carbon	3.5	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	ND	1.0 mg/L	SM 4500 NH3	12/05/02 15:21	sll	

*Reportable Detection Limit



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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 6 of 12
 Project Name: IFB Number 79170-86 Effec
 Project Number: [none]
 Report Date: 12-Dec-2002

Work Order Number: A2L0126

Laboratory Reference Number
A2L0126-05

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Palo Verde - RADR3-2.0	Liquid	12/03/02 10:15	12/03/02 16:10

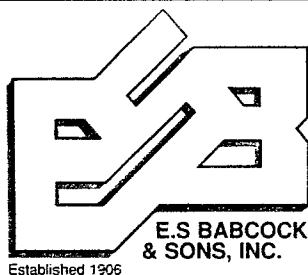
Analyte(s)	Result	*RDL Units	Method	Analysis Date	Analyst	Flag
Anions						
Nitrate as N	0.7	0.2 mg/L	EPA 300.0	12/04/02 07:42	DT	
Aggregate Organic Compounds						
Total Organic Carbon	2.7	0.70 mg/L	SM 5310B	12/11/02 11:58	la	
Nutrients						
Ammonia-Nitrogen	ND	0.1 mg/L	SM 4500 NH3	12/06/02 15:56	sll	

*Reportable Detection Limit



DEC 16 2002

7



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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
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Analytical Report: Page 7 of 12
 Project Name: IFB Number 79170-86 Effect
 Project Number: [none]
 Report Date: 12-Dec-2002

Work Order Number: A2L0126

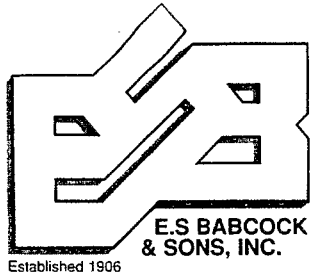
Anions - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit	Flag
Batch 2L03036 - Analyzed as received										
Blank (2L03036-BLK1)										
Nitrate as N	ND	0.2	mg/L							
Blank (2L03036-BLK2)										
Nitrate as N	ND	0.2	mg/L							
LCS (2L03036-BS1)										
Nitrate as N	11.6	0.2	mg/L	11.3	103	90-110				
LCS (2L03036-BS2)										
Nitrate as N	11.6	0.2	mg/L	11.3	103	90-110				
Matrix Spike (2L03036-MS1)										
Nitrate as N	5.44	0.2	mg/L	4.51	1.4	89.6	80-120			
Matrix Spike (2L03036-MS2)										
Nitrate as N	4.09	0.2	mg/L	4.51	ND	90.7	80-120			
Matrix Spike Dup (2L03036-MSD1)										
Nitrate as N	5.40	0.2	mg/L	4.51	1.4	88.7	80-120	0.738	20	
Matrix Spike Dup (2L03036-MSD2)										
Nitrate as N	4.14	0.2	mg/L	4.51	ND	91.8	80-120	1.22	20	

*Reportable Detection Limit

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Client Name: Regional Water Quality C B #7
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 Palm Desert, CA 92260

Analytical Report: Page 8 of 12
 Project Name: IFB Number 79170-86 Effect
 Project Number: [none]

Report Date: 12-Dec-2002
 Work Order Number: A2L0126

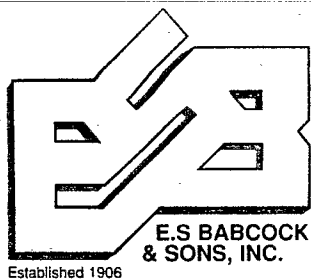
Aggregate Organic Compounds - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC %REC	RPD RPD	RPD Limit	Flag
Batch 2L06001 - Analyzed as received									
Blank (2L06001-BLK1)									
Total Organic Carbon	ND	0.70	mg/L						
Blank (2L06001-BLK2)									
Total Organic Carbon	ND	0.70	mg/L						
Blank (2L06001-BLK3)									
Total Organic Carbon	ND	0.70	mg/L						
LCS (2L06001-BS1)									
Total Organic Carbon	4.05	0.70	mg/L	4.00		101		90-110	
LCS (2L06001-BS2)									
Total Organic Carbon	4.39	0.70	mg/L	4.00		110		90-110	
LCS (2L06001-BS3)									
Total Organic Carbon	4.07	0.70	mg/L	4.00		102		90-110	
Matrix Spike (2L06001-MS1)									
Total Organic Carbon	7.77	0.70	mg/L	4.00	3.6	104		80-120	
Matrix Spike (2L06001-MS2)									
Total Organic Carbon	14.9	0.70	mg/L	4.00	11	97.5		80-120	
Matrix Spike (2L06001-MS3)									
Total Organic Carbon	13.9	0.70	mg/L	4.00	10	97.5		80-120	
Matrix Spike Dup (2L06001-MSD1)									
Total Organic Carbon	7.33	0.70	mg/L	4.00	3.6	93.2	5.83	80-120	10

*Reportable Detection Limit

DEC 16 2002





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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Qbeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 9 of 12
 Project Name: IFB Number 79170-86 Effec
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0126

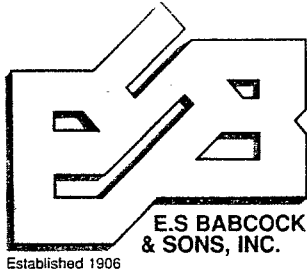
Aggregate Organic Compounds - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 2L06001 - Analyzed as received										
Matrix Spike Dup (2L06001-MSD2)										
			Source: A2L0251-20		Prepared: 12/06/02		Analyzed: 12/11/02			
Total Organic Carbon	14.5	0.70	mg/L	4.00	11	87.5	80-120	2.72	10	
Matrix Spike Dup (2L06001-MSD3)										
			Source: A2L0251-32		Prepared: 12/06/02		Analyzed: 12/11/02			
Total Organic Carbon	13.8	0.70	mg/L	4.00	10	95.0	80-120	0.722	10	

*Reportable Detection Limit



DEC 16 2002



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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste.100
 Palm Desert, CA 92260

Analytical Report: Page 10 of 12
 Project Name: IFB Number 79170-86 Effec.
 Project Number: [none]
 Report Date: 12-Dec-2002
 Work Order Number: A2L0126

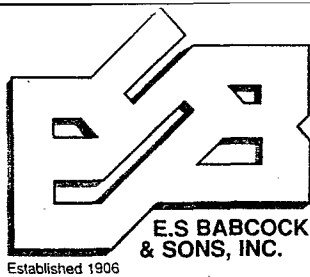
Nutrients - Batch Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 2L05016 - Analyzed as received										
Blank (2L05016-BLK1)				Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	ND	0.1	mg/L							
Blank (2L05016-BLK2)				Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	ND	0.1	mg/L							
LCS (2L05016-BS1)				Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	0.811	0.1	mg/L	0.780		104	90-110			
LCS (2L05016-BS2)				Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	0.811	0.1	mg/L	0.780		104	90-110			
Matrix Spike (2L05016-MS1)				Source: A2L0081-01 Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	1.26	0.1	mg/L	0.780	0.6	84.6	80-120			
Matrix Spike (2L05016-MS2)				Source: A2L0143-02 Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	0.764	0.1	mg/L	0.780	ND	97.9	80-120			
Matrix Spike Dup (2L05016-MSD1)				Source: A2L0081-01 Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	1.26	0.1	mg/L	0.780	0.6	84.6	80-120	0.00	20	
Matrix Spike Dup (2L05016-MSD2)				Source: A2L0143-02 Prepared & Analyzed: 12/05/02						
Ammonia-Nitrogen	0.764	0.1	mg/L	0.780	ND	97.9	80-120	0.00	20	
Batch 2L05059 - Analyzed as received										
Blank (2L05059-BLK1)				Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	ND	0.1	mg/L							

DEC 16 2002

*Reportable Detection Limit





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Client Name: Regional Water Quality C B #7
 Contact: Maria De La Paz Carpio-Obeso
 Address: 73-720 Fred Waring Dr. Ste. 100
 Palm Desert, CA 92260

Analytical Report: Page 11 of 12
 Project Name: IFB Number 79170-86 Effect
 Project Number: [none]

Report Date: 12-Dec-2002
 Work Order Number: A2L0126

Nutrients - Batch Quality Control

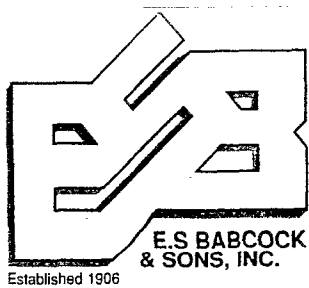
Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 2L05059 - Analyzed as received										
Blank (2L05059-BLK2)				Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	ND	0.1	mg/L							
LCS (2L05059-BS1)				Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.848	0.1	mg/L	0.780		109	90-110			
LCS (2L05059-BS2)				Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.847	0.1	mg/L	0.780		109	90-110			
Matrix Spike (2L05059-MS1)				Source: A2L0078-01 Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.824	0.1	mg/L	0.780	0.1	92.8	80-120			
Matrix Spike (2L05059-MS2)				Source: A2L0245-03 Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.848	0.1	mg/L	0.780	0.06	101	80-120			
Matrix Spike Dup (2L05059-MSD1)				Source: A2L0078-01 Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.813	0.1	mg/L	0.780	0.1	91.4	80-120	1.34	20	
Matrix Spike Dup (2L05059-MSD2)				Source: A2L0245-03 Prepared: 12/05/02 Analyzed: 12/06/02						
Ammonia-Nitrogen	0.849	0.1	mg/L	0.780	0.06	101	80-120	0.118	20	

*Reportable Detection Limit

DEC 16 2002

REGION 7





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Client Name: Regional Water Quality C B #7
Contact: Maria De La Paz Carpio-Obeso
Address: 73-720 Fred Waring Dr. Ste. 100
Palm Desert, CA 92260

Analytical Report: Page 12 of 12
Project Name: JFB Number 79170-86 Effec.
Project Number: [none]
Report Date: 12-Dec-2002
Work Order Number: A2L0126

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit (RDL)
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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
Lab Manager

Lawrence J. Chrystal
Lab Director

cc:



DEC 16 2002

REGION 7



E.S. Babcock & Sons, Inc.
 6100 Quail Valley Court Riverside, CA 92507
 (909) 653-3351 • FAX (909) 653-1662

Chain of Custody & Sample Information Record

Client: CRWQCB-R7 Contact: IVORY REYBURN Phone No. (760) 776-8933

Project Name: Palo Verde Turn Around Time: Routine 3-5 Days 48 Hours 24 Hours
 Project Location: Palo Verde, CA (Rushes Require Approval, Additional Charges May Apply)

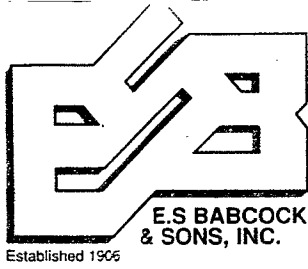
Sampler Information				# of Containers & Preservatives					Total # of Containers	Analysis Requested	Matrix	Notes	
Name:	Employer:	Signature:	Unpreserved	H2SO4	HCl	HNO3	Na2S2O3	NaOH					
Name: <u>IVORY REYBURN</u>										NITRATE AS N AMMONIA-NITROGEN TOC FORMALDEHYDE STREP, ENTERO	DW = Drinking Water WW = Wastewater GW = Groundwater S = Soil SG = Sludge L = Liquid M = Miscellaneous		
Employer: <u>CRWQCB-R7</u>													
Signature: <u>Ivory R. Reyburn</u>													
ESB #	Sample ID	Date	Time	Unpreserved	H2SO4	HCl	HNO3	Na2S2O3	NaOH	Total # of Containers	Analysis Requested	Matrix	Notes
	<u>PV-CNDR3-2.0</u>	<u>12/3/02</u>	<u>10:50a</u>	<u>3</u>	<u>2</u>					<u>5</u>		<u>WW</u>	
	<u>PV-CNDR3-2.4</u>		<u>10:50a</u>	<u>3</u>	<u>2</u>					<u>5</u>			
	<u>PV-WSDR3-2.0</u>		<u>11:20a</u>	<u>3</u>	<u>2</u>					<u>5</u>			
	<u>PV-WSDR3-2.1</u>		<u>11:20a</u>	<u>3</u>	<u>2</u>					<u>5</u>			
	<u>PV-RADR3-2.0</u>		<u>10:15a</u>	<u>3</u>	<u>2</u>					<u>5</u>			

Relinquished By (Sign): <u>Theresa Illare</u>	Print Name / Company: <u>Theresa Illare</u>	Date / Time: <u>12/3 16:10</u>	Received By (Sign): <u>Danny Aldredge</u>	Print Name / Company: <u>Danny Aldredge</u>
---	---	--------------------------------	---	---

(For Lab Use Only) Sample Integrity Upon Receipt

Sample(s) Submitted on Ice? Yes No
 Custody Seal(s) Intact? Yes No N/A
 Sample(s) Intact? Yes No

Temperature: 3 °C
 DEC 16 2002
 DEC 03 2002
 Lab No. A260126
 Page ____ of ____



7-31

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12/13/02

#288
 To: Regional Water Quality Control Board #7
Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100.
 Palm Desert, CA 92260

Lab No. 021203-B120
 Invoice No. 47957

Submitted	Sampled
By: T. Illare	I. Reyburn
Employer: RWQCB #7	RWQCB #7
Date: 12/03/02	12/03/02
Time: 16:10	10:50
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 12/03/02 @ 1635 By: TG
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max. 6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

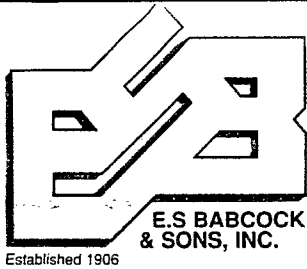
<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL COLIFORM Tubes + MPN/100mL</u>	<u>FECAL COLIFORM Tubes + MPN/100mL</u>	<u>Escherichia coli Tubes + MPN/100mL</u>
PV Palo Verde				
PV-CNDR3-2.0 @1050	1	5	3	110
	0.1	5	8000	1
	0.01	3	0	0
	0.001	0	0	0

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

12/13/02

#288
 To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 021203-B121
 Invoice No. 47957

Submitted	Sampled
By: T. Illare	I. Reyburn
Employer: RWQCB #7	RWQCB #7
Date: 12/03/02	12/03/02
Time: 16:10	10:50
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 12/03/02 @ 1635 By: TG
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max. 6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

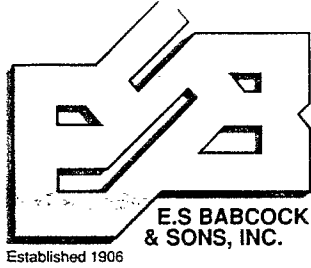
<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>FECAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>Escherichia coli</u>	
						<u>Tubes +</u>	<u>MPN/100mL</u>
PV Palo Verde							
PV-CNDR3-2.4	1	0	<20	0	<20	0	<20
	0.1	0		0		0	
	0.01	0		0		0	

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#288

To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 021203-B122
 Invoice No. 47957

Submitted	Sampled
By: T. Illare	I. Reyburn
Employer: RWQCB #7	RWQCB #7
Date: 12/03/02	12/03/02
Time: 16:10	11:20
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 12/03/02 @ 1640 By: TG
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max. 6 hrs.) Observed: Yes

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

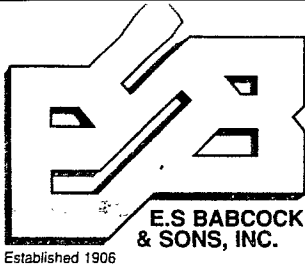
<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>FECAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>Escherichia coli Tubes +</u>	<u>MPN/100mL</u>
PV Palo Verde							
PV-WSDR3-2.0	1	5		5	500	5	500
	0.1	5	11000	2		2	
	0.01	3		0		0	
	0.001	1		0		0	

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#288
 To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 021203-B123
 Invoice No. 47957

Submitted	Sampled
By: T. Illare	I. Keyburn
Employer: RWQCB #7	RWQCB #7
Date: 12/03/02	12/03/02
Time: 16:10	11:20
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 12/03/02 @ 1645 By: TG
 Time from Collection to set-up: ≤ 6 hrs.
 Holding time (max. 6 hrs.) Observed: Yes

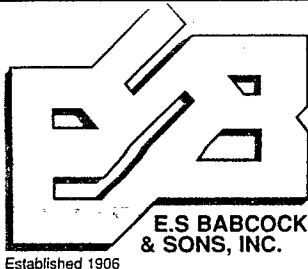
**Multiple Tube Fermentation Technique
 Standard Methods 9221**

<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL COLIFORM Tubes + MPN/100mL</u>	<u>FECAL COLIFORM Tubes + MPN/100mL</u>	<u>Escherichia coli Tubes + MPN/100mL</u>
PV Palo Verde				
PV-WSDR3-2.1	1	5	5	1100, 3 170
	0.1	5	3	2
	0.01	1	1	1
	0.001	0	0	0

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#288
 To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 021203-B124
 Invoice No. 47957

Submitted	Sampled
By: T. Illare	I. Reyburn
Employer: RWQCB #7	RWQCB #7
Date: 12/03/02	12/03/02
Time: 16:10	10:15
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 12/03/02 @ 1645 By: TG
 Time from Collection to set-up: > 6 hrs.
 Holding time (max.6 hrs.) Observed: No

**Multiple Tube Fermentation Technique
 Standard Methods 9221**

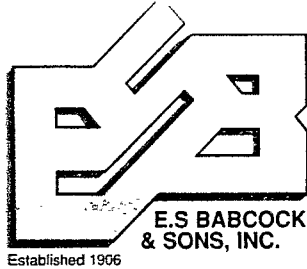
<u>Sample ID</u>	<u>mL Planted</u>	<u>TOTAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>FECAL Tubes +</u>	<u>COLIFORM MPN/100mL</u>	<u>Escherichia coli Tubes +</u>	<u>MPN/100mL</u>
PV Palo Verde							
PV-RADR3-2.0	1	5		5	900	5	900
	0.1	5	5000	2		2	
	0.01	2		2		2	
	0.001	0		0		0	

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Laboratory Results

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To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 021203-B125
 Invoice No. 47957

Submitted	Sampled
By: T. Ilare	I. Reyburn
Employer: RWQCB #7	RWQCB #7
Date: 12/03/02	12/03/02
Time: 16:10	
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 12/03/02 @ 16:30 By: CK
 Time from Collection to set-up: ≤6 hrs.
 Holding max. 6 hrs.) Observed: Yes

<u>Sample ID</u>	<u>mL Planted</u>	<u>Std. Method 9230 B.</u>		<u>Enterococcus</u>	
		<u>Tubes +</u>	<u>MPN/100mL</u>	<u>Tubes +</u>	<u>MPN/100mL</u>
PV Palo Verde					
PV-CNDR3-2.0 @1050	1	5	300	5	300
	0.1	1		1	
	0.01	0		0	
PV-CNDR3-2.4 @1050	10	0	<2	0	<2
	1	0		0	
	0.1	0		0	

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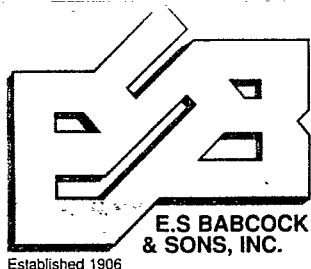
[Signature]

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Attn: Jeff Allred

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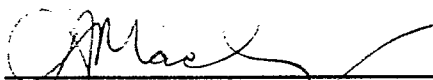
Lab No. 021203-B126
 Invoice No. 47957

Submitted	Sampled
By: T. Ilare	I. Reyburn
Employer: RWQCB #7	RWQCB #7
Date: 12/03/02	12/03/02
Time: 16:10	
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 12/03/02 @ 16:50 By: ML/CK
 Time from Collection to set-up: ≤6 hrs.
 Holding max. 6 hrs.) Observed: Yes

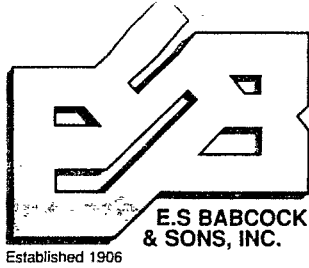
Sample ID	mL Planted	Std. Method 9230 B. FECAL STREPTOCOCCUS		Enterococcus	
		Tubes +	MPN/100mL	Tubes +	MPN/100mL
PV Palo Verde					
PV-WSDR3-2.0 @1120	1	5	1400	5	1100
	0.1	3		3	
	0.01	2		1	
PV-WSDR3-2.1 @1120	1	5	1400	5	1400
	0.1	3		3	
	0.01	2		2	

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Laboratory Results

#288
 To: Regional Water Quality Control Board #7
 Attn: Jeff Allred
 73-720 Fred Waring Drive, Ste 100
 Palm Desert, CA 92260

Lab No. 021203-B127
 Invoice No. 47957

Submitted	Sampled
By: T. Ilare	I. Reyburn
Employer: RWQCB #7	RWQCB #7
Date: 12/03/02	12/03/02
Time: 16:10	10:15
Sample Received on Ice: Yes	
Chain of Custody on File: Yes	

Date & Time set-up: 12/03/02 @ 16:50 By: ML
 Time from Collection to set-up: ≥6 hrs.
 Holding max.6 hrs.) Observed: No

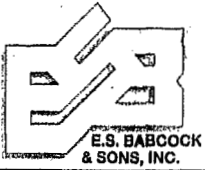
<u>Sample ID</u>	<u>mL Planted</u>	<u>Std. Method 9230 B. FECAL STREPTOCOCCUS</u>		<u>Enterococcus</u>	
		<u>Tubes +</u>	<u>MPN/100mL</u>	<u>Tubes +</u>	<u>MPN/100mL</u>
PV Palo Verde					
PV-RADR3-2.0	1	5	500	5	500
	0.1	2		2	
	0.01	0		0	

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021203-B12010127

Chain of Custody & Sample Information Record

Client: CRWQCB-R7 Contact: IVORY REYBURN Phone No. (760) 776-8933
 Project Name: Palo Verde Turn Around Time: Routine 3-5 Days 48 Hours 24 Hours
 Project Location: Palo Verde, CA (Rushes Require Approval, Additional Charges May Apply)

Sampler Information				# of Containers & Preservatives						Total # of Containers	Analysis Requested					Matrix	Notes
Name:	Employer:	Signature:	Unpreserved	H ₂ SO ₄	HCl	HNO ₃	Na ₂ S ₂ O ₃	NaOH	NITRATE AS N		AMMONIA-NITROGEN	TOC	FE CAL COLI & COLI	STREP. ENTERO			
<u>IVORY REYBURN</u>	<u>CRWQCB-R7</u>	<u>Ivory T. Reyburn</u>							5	1	1	1	1	1	WW		
									5	1	1	1	1	1			
									5	1	1	1	1	1			
									5	1	1	1	1	1			
									5	1	1	1	1	1			

Relinquished By (sign) <u>Theresa Illare</u>	Print Name / Company <u>Theresa Illare</u>	Date / Time <u>12/3 16:10</u>	Received By (Sign) <u>Danny Alderice</u>	Print Name / Company <u>Danny Alderice</u>
---	---	----------------------------------	---	---

(For Lab Use Only) Sample Integrity Upon Receipt

Sample(s) Submitted on Ice? Yes No
 Custody Seal(s) Intact? Yes No N/A
 Sample(s) Intact? Yes No

Temperature 3 °C

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Lab No. _____
 Page _____ of _____