Calscience
Environmental
Laboratories, Inc.

October 22, 2004

Misty Mercier
CRG Marine Laboratories, Inc.
2020 Del Amo Blvd, Ste 200
Torrance, CA 90501-1206

Subject: **Calscience Work Order No.: 04-10-0790**
Client Reference: P24133

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/14/2004 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

CRG Marine Laboratories, Inc.
2020 Del Amo Blvd, Ste 200
Torrance, CA 90501-1206

Date Received: 10/14/04
Work Order No: 04-10-0790
Preparation: N/A
Method: EPA 405.1

Project: P24133

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Started	Date Ended	QC Batch ID
STA. 1	**04-10-0790-1**	**10/13/04**	**Aqueous**	**10/14/04**	**10/19/04**	**41014BODB1**

Parameter	Result	RL	DF	Qual	Units
Biochemical Oxygen Demand	1.2	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Started	Date Ended	QC Batch ID
STA. 2	**04-10-0790-2**	**10/13/04**	**Aqueous**	**10/14/04**	**10/19/04**	**41014BODB1**

Parameter	Result	RL	DF	Qual	Units
Biochemical Oxygen Demand	ND	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Started	Date Ended	QC Batch ID
Method Blank	**099-05-054-1,614**	**N/A**	**Aqueous**	**10/14/04**	**10/19/04**	**41014BODB1**

Parameter	Result	RL	DF	Qual	Units
Biochemical Oxygen Demand	ND	1.0	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

CRG Marine Laboratories, Inc.
2020 Del Amo Blvd, Ste 200
Torrance, CA 90501-1206

Date Received: 10/14/04
Work Order No: 04-10-0790
Preparation: N/A
Method: EPA 405.1

Project: P24133

Quality Control Sample ID	Matrix	Instrument	Date Started:	Date Ended:	Duplicate Batch Number
04-10-0864-1	**Aqueous**	**BOD 1**	**10/14/04**	**10/19/04**	**41014BODD1**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Biochemical Oxygen Demand	260	270	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-10-0790

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
D	The analyte concentration was reported from analysis of the diluted sample.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

10-0790

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206
PHONE (310) 533-5190 FAX (310) 533-5003

CHAIN-OF-CUSTODY RECORD

TO: Calscience

Client Name	CRG Marine Laboratories, Inc.
Address	2020 Del Amo Blvd. Suite 200 Torrance, CA 90501
Project Manager	Misty B. Mercier
Phone	310 533 5190 x106
FAX	310 533 0211 (direct fax) / 310 533 5003 (main fax)
Email	mmercier@crglabs.com
Project Name/Number	P24133
P.O. Number	-------

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Quantity	Container Type	BOD										
1	STA. 1	10/13/2004	09:50	FW	1	HDPE glass C.V.	X										
2	STA. 2	10/13/2004	12:00	FW	1	HDPE glass C.V.	X										
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Report Format:	pdf	EDD	hardcopy

Comments:

page 1 of 1

2 samples total

please email pdf report to mmercier@crglabs.com

RELINQUISHED BY

Signature:	
Print:	Chuck Vicuna
Company:	CRG Marine Laboratories, Inc.
DATE:	10-14-04 **TIME:** 10:56

RECEIVED BY

Signature:	
Print:	MARION CONTRERAS
Company:	
DATE:	10/14/04 **TIME:** 10:56

***MATRIX CODES**: (**SED** = Sediment); (**TISS** = Tissue); (**SW** = Seawater, Saltwater); (**FW** = Freshwater); (**WW** = Wastewater); (**STRMW** = Stormwater)

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 04 - 10 - 07908

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRG MARINE LAB. INC DATE: 10/14/04

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
3.4 °C IR thermometer.
_____ Ambient temperature.

Initial: MC

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: MC

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: MC

COMMENTS: