Sconza Candy Company
Candy Manufacturers Since 1939

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CVRWQCB
11 JUN 29 PM 3:42

1 Sconza Candy Lane ● Oakdale, California 95631 ● TEL: (209) 845-3700 ● FAX: (209) 845-3779

June 20, 2011
Mr. Victor Vasquez
California Regional Water Board
Central Valley Region RWQCB
11020 Sun Center Drive #200
Rancho Cordova, CA 95670

Victor:

Attached are the results of monitoring for the month of May 2011, for effluent water for Sconza Candy Company at their Oakdale facility at One Sconza Candy Lane. This property was previously held by Hershey Chocolate & Confectionery Corp., operating under Waste Discharge Monitoring and Reporting Program Order No. R5-2002-0111 and for NPDES No. CA0004146.
JL Analytical Services, Inc. in Modesto completed all monthly/bi-monthly tests.
Please let me know if there are any concerns.
Jesse Hodges Cell # 209 918-0140

"I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Sincerely,

Ron Sconza
VP Manufacturing
Sconza Candy Company

SDK 7/19/11

Sconza Candy Company
May 2011 Weekly/Monthly Monitoring

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EFFLUENT MONITORING (NON-CONTACT COOLING WATER)

DATE (2011)	BOD *Twice per month*			COD *Twice per month*			TURBIDITY (NTU) *Monthly*	Oil & Grease *Twice per month*			ACUTE TOXICITY (% Survival) *Monthly*
	Mg/l	*lb/day*	*30 day avg.*	*Mg/l*	*lb/day*	*30 day avg.*		*Mg/l*	*lb/day*	*30 day avg.*	
5/9	3	59.2	40.3	<5	<98.8	<98.8	0.3	**<5**	<98.8	<98.8	NT
5/10	4	79.0		<5	<98.8	<98.8	NT	<5	<98.8	<98.8	NT
5/5											100

DATE (11)	FLOW (MGD) *Continuous* Well flow- Sewer- landscape watering = Flow to OID canal in MGD	pH *Weekly*	CHLORINE RESIDUAL *Weekly*		TEMP. (°F) *Weekly*	DISSOLVED OXYGEN (mg/l) *Weekly*	SPECIFIC CONDUCTIVITY (µmhos/cm) *Weekly*
			mg/l	lb/day			
5/6	2.67- 0.17 – 0.15 = 2.35 MGD	8.14	0.02	0.40	76.1	9.07	247.4
5/13	2.69- 0.17 – 0.15 = 2.37 MGD	7.93	0.01	0.20	70.2	9.58	253
5/17	2.69- 0.17 – 0.15 = 2.37 MGD	8.02	0.03	0.60	62.4	9.11	251
5/26	2.67- 0.17 – 0.15 = 2.35 MGD	7.74	0.02	0.40	73.2	7.74	249.4

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RECEIVING WATER (OAKDALE IRRIGATION DISTRICT CANAL)

DATE (11)	FLOW(MGD) (cubic ft/min) *weekly*		pH *Weekly*		CHLORINE RESIDUAL (mg/l) *Weekly*		TURBIDITY (NTU) *Monthly*		TEMP. (°F) *Weekly*		DISSOLVED OXYGEN (mg/l) *Weekly*		SPECIFIC CONDUCTIVITY (µmhos/cm) *Weekly*	
	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
5/6	2253	as R1	6.76	7.10	0.02	0.00			72.0	65.1	8.81	9.82	61.33	73.00
5/9							3.3	3.3						
5/13	2212	as R1	7.01	7.44	0.00	0.00			57.2	55.8	9.78	10.43	59.8	82.5
5/17	1516	"	7.90	8.01	0.01	0.00			56.7	54.7	10.28	10.39	60.0	77.2
5/26	1972	"	7.13	7.50	0.00	0.00			59.5	59.5	9.52	10.39	59.19	73.38

Sconza Candy Company
May 2011 Monitoring

WATER CONDITIONS BOUNDED BY R1 AND R2

DATE: (2011)	5/6	5/13	5/17	5/26	
FLOATING OR SUSPENDED MATERIAL	Weed litter	Weed litter	Weed debris	Weed debris	
DISCOLORATION	Brownish	Brownish	Brownish-	Brownish	
BOTTOM DEPOSITS	Mud/silt	Mud/silt	Mud/silt	Mud/silt	
AQUATIC LIFE	Aquatic plants	Aquatic plants, frog at E, moss	Moss, algae, frog	Moss, algae, water beetle	
VISIBLE FILM, SHEEN OR COATINGS	None	None	None	None	
FUNGI, SLIMES OR OBJECTIONABLE GROWTH	None	None	None	None	
POTENTIAL NUISANCE CONDITIONS	None	None	None	None	
PRESENCE OR ABSENCE OF SALMONIDS	Absent	Absent	Absent	Absent	
COMMENTS				Very little flow	

J L ANALYTICAL SERVICES, INC.

217 Primo Way • Modesto, California 95358 • Office (209) 538-8111 • FAX (209) 538-3966

Sconza Candy Company
Attn: Jesse Hodges
1 Sconza Candy Lane
Oakdale,CA 95361

Report # L2.2-14R12341
Report Date: 05/17/2011
Received Date: 05/09/2011
Work Order: 240539

Laboratory Number: 24053901
Description: Water, Pond Effluent, 5/9/11, 750

Analytical Results

Constituent		Result		Minimum Level	Method Detection Limit	Method Reference	Analysis Date	Analysis Time	Analyst
BOD		3	mg/l	2.0	1.0	SM 5210B	05/09/2011	08:10	NH
COD, titrametric	<	5	mg/l	5.0	3.0	SM 5220C	05/13/2011	12:55	GP
Oil & Grease	<	5	mg/l	5.0	1.5	EPA 1664A	05/10/2011	09:30	JP
Turbidity		0.3	NTU	0.1	0.04	SM 2130B	05/09/2011	19:00	GP

QC Results

Constituent	QC Units	Blank		Matrix	Theoretical Spike	Matrix Spike	Matrix Spike Duplicate	Lab Control Spike	Precision %	Accuracy %	Response %
BOD	mg/l	<	2	2800	2000	3800	3700	2000	2.9	94.5	97.6
COD, titrametric	mg/l	<	5	< 5	500	32	31	550	4.2	114.7	110.0
Oil & Grease	mg/l	<	5	< 5	80	71	74	80	3.6	90.7	100.3
Turbidity	NTU	<	0.1	3.3	40	44	43	39	1.4	101.0	97.3

Notes

Authorized By: Amos Snider 05/17/2011
Amos Snider Laboratory
Supervisor

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Sconza Candy Company
Attn: Jesse Hodges
1 Sconza Candy Lane
Oakdale,CA 95361

Report # L2.2-14R12351
Report Date: 05/17/2011
Received Date: 05/10/2011
Work Order: 240640

Laboratory Number: 24064001
Description: Water, Pond Effluent, 5/10/11, 650

Analytical Results

Constituent		Result		Minimum Level	Method Detection Limit	Method Reference	Analysis Date	Analysis Time	Analyst
BOD		4	mg/l	2.0	1.0	SM 5210B	05/11/2011	08:10	NH
COD, titrametric	<	5	mg/l	5.0	3.0	SM 5220C	05/13/2011	12:55	GP
Oil & Grease	<	5	mg/l	5.0	1.5	EPA 1664A	05/13/2011	08:00	JP

QC Results

Constituent	QC Units	Blank		Matrix	Theoretical Spike	Matrix Spike	Matrix Spike Duplicate	Lab Control Spike	Precision %	Accuracy %	Response %
BOD	mg/l	< 2		1900	2000	2900	2800	1800	1.7	90.9	90.0
COD, titrametric	mg/l	< 5	<	5	500	32	31	550	4.2	114.7	110.0
Oil & Grease	mg/l	< 5	<	5	80	73	70	76	4.2	87.3	92.1

Notes

Authorized By: Amos Snider 05/17/2011
Amos Snider Laboratory
Supervisor

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Sconza Candy Company
Attn: Jesse Hodges
1 Sconza Candy Lane
Oakdale,CA 95361

Report # L2.2-14R12253
Report Date: 05/11/2011
Received Date: 05/09/2011
Work Order: 240540

Laboratory Number: 24054001
Description: Receiving Water R1, 5/9/11, 745

Analytical Results

Constituent	Result		Minimum Level	Method Detection Limit	Method Reference	Analysis Date	Analysis Time	Analyst
Turbidity	3.3	NTU	0.1	0.04	SM 2130B	05/09/2011	19:00	GP

QC Results

Constituent	QC Units	Blank	Matrix	Theoretical Spike	Matrix Spike	Matrix Spike Duplicate	Lab Control Spike	Precision %	Accuracy %	Response %
Turbidity	NTU	< 0.1	3.3	40	44	43	39	1.4	101.0	97.3

Notes

Authorized By: Amos Snider 05/11/2011
Amos Snider Laboratory
Supervisor

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Sconza Candy Company
Attn: Jesse Hodges
1 Sconza Candy Lane
Oakdale,CA 95361

Report # L2.2-14R12254
Report Date: 05/11/2011
Received Date: 05/09/2011
Work Order: 240541

Laboratory Number: 24054101
Description: Receiving Water R2, 5/9/11, 800

Analytical Results

Constituent	Result		Minimum Level	Method Detection Limit	Method Reference	Analysis Date	Analysis Time	Analyst
Turbidity	3.6	NTU	0.1	0.04	SM 2130B	05/09/2011	19:00	GP

QC Results

Constituent	QC Units	Blank	Matrix	Theoretical Spike	Matrix Spike	Matrix Spike Duplicate	Lab Control Spike	Precision %	Accuracy %	Response %
Turbidity	NTU	< 0.1	3.3	40	44	43	39	1.4	101.0	97.3

Notes

Authorized By: Amos Snider 05/11/2011
Amos Snider Laboratory
Supervisor

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SIERRA
FOOTHILL LABORATORY Inc

255 SCOTTSVILLE BLVD.
P.O. BOX 1268 JACKSON, CA 95642
(209) 223 – 2800
sandy@sierralab.com

REPORT

5/20/2011

J L Analytical Services Inc
217 Primo Way, Ste 2
Modesto CA 95358

96h Static Screening Acute Bioassay with Fathead Minnow 5/05/11-5/09/11
Sconza Candy Effluent collected 5/05/11 0925
Laboratory # 718567
NPDES# CA000416

Sample description:

One 1-gallon plastic container of Sconza Candy Effluent sample collected 5/05/11 1540 was received at the lab 5/05/11 1350 via courier. The sample was iced, 4.6C and in good condition. Laboratory # 718567 was assigned to the effluent, and chemical measurements made are summarized on the following report page.

Control/ comparison water was Diluted Mineral Water (dMW) prepared 4/22/11 using 26% Evian and 74% Arrowhead Distilled. Organisms are cultured in dMW.

Testing method closely followed:

EPA 600/4-90/027F Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms. 4th edition.

Endpoint of test is death or 96h. The testing began 5/05/11 1540 and ended 5/09/11 1415. Test chambers were 500ml plastic containing 300ml of test solution. There were two replicate chambers per treatment, with 10 fish per chamber. *Pimephales promelas* (fathead minnow) obtained from EnviroScience, hatched 4/25/11 were used. Organism age was 10d. Temperature was lower than 25C ± 1C. KCl reference toxicant test date was 5/05/11 and data were in control. Test ran without incidence for 96h.

Results:

Treatment	# Organisms	# Replicates	96h % Survival
100% Sconza Candy Pond Effluent collected 5/05/11 0925	20	2	100
dMW Lab Control	20	2	100

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ELAP #1113 NELAP #06245CA

SIERRA
FOOTHILL LABORATORY Inc

REPORT

255 SCOTTSVILLE BLVD.
P.O. BOX 1268 JACKSON, CA 95642
(209) 223 – 2800
sandy@sierralab.com

5/20/2011

J L Analytical Services Inc
217 Primo Way, Ste 2
Modesto CA 95358

96h Static Screening Acute Bioassay with Fathead Minnow 5/05/11-5/09/11
Sconza Candy Effluent collected 5/05/11 0925
Laboratory # 718567
NPDES# CA000416

Summary:

On 5/05/11 1540, 10d old fathead minnows were exposed to Sconza Candy Effluent collected 5/05/11 0925. The effluent sample was 6.5h old at test initiation. At 96h test termination, there was 100% survival of organisms exposed to Sconza Candy Effluent collected 5/05/11 0925. There was 100% survival of organisms exposed to laboratory control.

Percent survival of organisms exposed to the Sconza Candy Effluent collected 5/05/11 0925 was not significantly reduced from survival of organisms in lab control.

Summary prepared by:

Sandy Nurse

Sandy Nurse

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Sierra Foothill Laboratory, Inc.

255 Scottsville Blvd
PO Box 1268
Jackson, CA 95642

Phone 209/223-2800
Fax 209/223-2747
Email info@sierralab.com

Please Note — "Sconza" not written on container with Sharpie.-- CLIENT NOTE

Sierra Foothill Laboratory Inc
P O Box 1268/ 255 Scottsville Blvd
Jackson CA 95642
(T) 209 223-2800 (F) 209 223-2747

JLAN

CUSTOMER NAME: J&L ANALYTICAL for Sconza Candy

ADDRESS: (SHIP) 1400 SOUTH YOSEMITE AVE (MAIL)217 PRIMO WAY

CITY, STATE, ZIP: OAKDALE CA 95361 MODESTO CA 95358

ATTN: JESSE HODGES TERRY MOONEY

NPDES# CA000416

SFL ID#	SOURCE DESCRIPTION	ANALYSIS (x)		SAMPLING & CONTAINER INFORMATION:			
		Chronic*	Acute**	MATRIX	P/G	DATE/HR COLLECTED	BY
118907-01	Sconza Candy		X	WW	Gal P	5/5/11 09:25	- phone call 5/5/11 1558 TB
	BOTTLE READS 'SCONZA'					*NO SAMPLE DATE/TIME ON BOTTLE / COC.	
	NO OTHER DATA ON	BOTTLE (TB)				PHONE CALL TINA	
						TO JESSE HODGES - LEFT VM TO CALL	
						BACK WITH DATE/TIME	TB

* *Acute 96h screening bioassay with fathead minnows, EPA 600/4-90/027F

4.6c 6 5m

Collection for May 2011 is as follows:

Date		Amt. effluent to collect	
Thurs 5/05/2011	lab picks up on route a City of Oakdale WWTP	1 gallon	AFSc

Transportation notes: Ice sample after collection. Lab will pickup on route at City of Oakdale WWTP, ice must be present in chest to indicate cooling.

RELINQUISHED BY: [illegible] DATE/TIME: 5/5/11 9:25

RECEIVED BY: L. Brown DATE/TIME: 5/5/11 1000

RELINQUISHED BY: [illegible] DATE/TIME: 5-5-11 1125

RECEIVED BY: [illegible] DATE/TIME: 5-5-11 1125

Rel'd [illegible] 5-5-11 1350

Rec'd [illegible] 5/5/11 1350

5/5/11

Sierra Foothill Laboratory, Inc.

255 Scottsville Blvd
PO Box 1268
Jackson, CA 95642

Phone 209/223-2800
Fax 209/223-2747
Email info@sierralab.com

J L Analytical Services, Inc.
217 Primo Way, Ste 2
Modesto, CA 95358-

Project Report: **197115**

Results for Project 197115

718567 SCONZA CANDY Liquid Taken: 05/05/2011 0925 By: Client Rec:05/05/2011

NO SAMPLE DATA ON BOTTLE OR COC. PHONE CALL WAS MADE TO JESSE 5/5/11, LEFT VM FOR VERIFICATION ON DATE AND TIME SAMPLE WAS COLLECTED. Per return call from Jesse Hodges 5/5/11 @ 15:58, sample was collected 5/5/11 at 09:25. He wrote sample info under "relinquished", sample was relinquished 5/5/11 @ 09:45 (phone note attached). TB

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Acute tox 96h fathead, 4th ed	See Report	%survival			600/4-90/027F,1993	05/06/2011 1400	SFL	
Specific Conductance	259	umhos/cm		1.00	EPA120.1/SM2510B	05/05/2011 1030	R&L	
Alkalinity, Total as CaCO3	92	mg/L		5.0	EPA310.1/SM2320B	05/06/2011 1025	LG	
Hardness as CaCO3	94	mg/L		5.0	SM2340C	05/06/2011 1230	RK	
pH, Lab*	8.2	unit		0.1	SM4500-H+B	05/05/2011 1000	R&L	*past hold
Oxygen, Dissolved, Lab*	8.4	mg/L		0.1	SM4500-O G	05/05/2011 1035	R&L	*past hold
Chlorine Residual,Total, Lab*	<0.10	mg/L		0.10	SM4500Cl G	05/05/2011 1005	R&L	*past hold

Sample Preparation Steps for Project 197115

718567 SCONZA CANDY Liquid Taken: 05/05/2011 0925 By: Client Rec:05/05/2011

Parameter	Result	Unit		Method	Analyzed	By
Nitrogen, Ammonia-N Screen	ND	mg/L	0.50	SFL SOP 125	05/09/2011 1100	RK

SET Quality Control/Quality Assurance for Project 197115

Alkalinity, Total as CaCO3 (Analyzed: 05/06/2011 1025 LG Verified: 05/06/2011 15:52 KL)

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	436	465	mg/L	93.8	
	Blank	<5.0		mg/L		
718000	Duplicate	192	194	mg/L		1.0
718024	Duplicate	148	146	mg/L		1.4
718035	Duplicate	93	90	mg/L		3.3
718139	Duplicate	116	114	mg/L		1.7
718220	Duplicate	43	44	mg/L		2.3
718429	Duplicate	93	94	mg/L		1.1
718556	Duplicate	93	94	mg/L		1.1

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255 Scottsville Blvd
PO Box 1268
Jackson, CA 95642

Phone 209/223-2800
Fax 209/223-2747
Email info@sierralab.com

SET Quality Control/Quality Assurance for Project 197115

Alkalinity, Total as CaCO3

(Analyzed: 05/06/2011 1025 LG Verified: 05/06/2011 15:52 KL)

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
718597	Duplicate	212	210	mg/L		0.9
718026	Matrix SPK	63.8	69.4	mg/L	92%	
718030	Matrix SPK	65.9	69.4	mg/L	95%	
718065	Matrix SPK	65.2	69.4	mg/L	94%	
718161	Matrix SPK	66.6	69.4	mg/L	96%	
718319	Matrix SPK	65.9	69.4	mg/L	95%	
718475	Matrix SPK	68.0	69.4	mg/L	98%	
718560	Matrix SPK	65.9	69.4	mg/L	95%	
718596	Matrix SPK	68.0	69.4	mg/L	98%	

Chlorine Residual,Total, Lab*

(Analyzed: 05/05/2011 1005 R&L Verified: 05/06/2011 09:29 KL)

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Blank	<0.10		mg/L		
718464	Duplicate	<0.10	<0.10	mg/L		0.0

Oxygen, Dissolved, Lab*

(Analyzed: 05/05/2011 1035 R&L Verified: 05/06/2011 09:31 KL)

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
718482	Duplicate	8.8	8.8	mg/L		0.0

Specific Conductance

(Analyzed: 05/05/2011 1030 R&L Verified: 05/06/2011 09:32 KL)

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	103	100	umho/cm	103.0	
718465	Duplicate	255	258	umho/cm		1.2
718529	Duplicate	569	572	umho/cm		0.5
718557	Duplicate	464	460	umho/cm		0.9

Hardness as CaCO3

(Analyzed: 05/06/2011 1230 RK Verified: 05/06/2011 15:59 KL)

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	591	598	mg/L	98.8	
	Blank	<5.0		mg/L		
717962	Duplicate	83	85	mg/L		2.4
718026	Duplicate	30	32	mg/L		6.5
718234	Duplicate	83	85	mg/L		2.4
718288	Duplicate	213	205	mg/L		3.8
718388	Duplicate	79	79	mg/L		0.0
718429	Duplicate	79	79	mg/L		0.0
718128	Matrix SPK	80.0	86	mg/L	93	
718361	Matrix SPK	80.8	86	mg/L	94	
718444	Matrix SPK	78.3	86	mg/L	91	

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255 Scottsville Blvd
PO Box 1268
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Fax 209/223-2747
Email info@sierralab.com

SET Quality Control/Quality Assurance for Project 197115

Hardness as CaCO3 (Analyzed: 05/06/2011 1230 RK Verified: 05/06/2011 15:59 KL)

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
718541	Matrix SPK	75.7	86	mg/L	88	
718566	Matrix SPK	80.8	86	mg/L	94	
718567	Matrix SPK	75.7	86	mg/L	88	

pH, Lab* (Analyzed: 05/05/2011 1000 R&L Verified: 05/06/2011 09:31 KL)

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	7.4	7.4	unit	100.0	
718388	Duplicate	6.0	6.0	unit		0.0
718474	Duplicate	7.8	7.9	unit		1.3

ELAP #1113 NELAP #06245CA

Sandy Nurse

Sandy Nurse, Lab Director

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Sierra Foothill Laboratory, Inc.
255 Scottsville Blvd.
Jackson, CA 95642

Client: J & L Analytical for Sconza Candy 718567

Test Conducted By: LG/SN/JCM

Exposure Chamber: Capacity 500 mL
Test Solution Volume 300 mL

Feeding Schedule: Not Fed _____
Fed Daily, Siphon Debris Daily ~~X~~ JCM
Fed Irregularly (.1 mL @46h; Siphon @ 48h) X

Test Period:
Beginning: Date 5-5-11 Time 1540
Ending: Date 5-9-11 Time 1415

Food Used: <24h Artemia Code: 6263
Exposed Organisms: 10/test exposure chamber
Renewal Volume and Date: 100 mLs @ 48h
X☐ EPA 600/4-90/027F ☐EPA 821-R02-012
Temp: 25°C +/- 1 Temp: max.- min. ≤ 3° C

Test Organism:
Species: Pimephales promelas
Age: Hatch Date 4-25-11 10 day old
Source: Enviro Science
Control Water: dMW of 4-22-11
Reference Toxicant Test Date: 5-5-11 Prep Date4-25-11
KCl Reagent Code 6347 Prep Code 0411-26

Conc or %	Test Container #	# Dead:				Dissolved oxygen (mg/L):					pH (unit):					EC (µmho/cm):		
		24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	48	96
EFF	5011	0	0	0	0	4.7	7.0	7.4	7.9	7.9	8.3	8.0	8.2	8.2	8.3	259	265	267
	5012	0	0	0	0													
Mortality Check Time/Initials																		

Lab Comments:

Sierra Foothill Laboratory, Inc.
255 Scottsville Blvd.
Jackson, CA 95642

Client: J & L Analytical for Sconza Candy 718567

Test Conducted By: LG/SN/JCM

Exposure Chamber: Capacity 500 mL
Test Solution Volume 300 mL
Feeding Schedule: Not Fed _____
Fed Daily, Siphon Debris Daily ~~X~~ JLM
Fed Irregularly (.1 mL @46h; Siphon @ 48h) X

Test Period:
Beginning: Date 5-5-11 Time 1540
Ending: Date 5-9--11 Time 1415

Test Organism:
Species: Pimephales promelas
Age: Hatch Date 4-25-11 10 day old
Source: Enviro Science
Control Water: dMW of 4-22-11

Food Used: <24h Artemia Code: 6263
Exposed Organisms: 10/test exposure chamber
Renewal Volume and Date: 100 mLs @ 48h
X☐ EPA 600/4-90/027F ☐ EPA 821-R02-012
Temp: 25°C +/- 1 Temp: max.- min. ≤ 3° C

Reference Toxicant Test Date: 5-5-11 Prep Date: 4-25-11
KCl Reagent Code: 6347 Prep Code: 0411-26

Test Cont. number	0h Temp	24h Temp	48h Temp	72h Temp	96h Temp	Total Alkalinity (mg/L as $CaCO_3$) 0h	Total Hardness (mg/L as $CaCO_3$) 0h	Cl_2 (mg/L) 0h	NH_3P (mg/L) 0h
5011 Initial	24°	22.8	22.9	23.1	23.1	92	94	20.10	ND

Sierra Foothill Laboratory, Inc.
255 Scottsville Blvd.
Jackson, CA 95642

Client: dMW/Ref Tox

Test Conducted By: LG/SN/JCM

Exposure Chamber: Capacity 500 mL
Test Solution Volume 300 mL

Feeding Schedule: Not Fed ____
Fed Daily, Siphon Debris Daily ~~X~~ JCM
Fed Irregularly (.1 mL @46h; Siphon @ 48h) X

Test Period:
Beginning: Date 5-5-11 Time 1540
Ending: Date 5-9-11 Time 1415

Food Used: <24h Artemia Code: 6263
Exposed Organisms: 10/test exposure chamber
Renewal Volume and Date: 100 mLs @ 48h
X☐ EPA 600/4-90/027F X☐ EPA 821-R02-012
Temp: 25°C +/- 1 Temp: max.- min. ≤ 3° C

Test Organism:
Species: Pimephales promelas
Age: Hatch Date 04-25-11 10 day old
Source: Enviro Science
Control Water: dMW of 4-22-11
Reference Toxicant Test Date : 5-5-11 Prep Date: 4-25-11
KCl Reagent Code: 6347 Prep Code: 0411-26

Conc or %	Test Container #	# Dead:				Dissolved oxygen (mg/L):					pH (unit):					EC (µmho/cm):		
		24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	48	96
dMW	5001	0	0	0	0	8.0	7.4	7.8	7.9	8.1	7.3	7.4	7.9	8.0	8.0	166	176	169
	5002	0	0	0	0													
KCl 0.25 g/L	5003	1	0	0	0	8.1	7.4	7.9	7.9	8.1	8.2	7.9	8.2	8.2	8.2	638	652	647
	5004	0	0	0	0													
KCl 0.50 g/L	5005	0	0	0	0	8.1	7.4	7.9	8.0	8.2	8.3	8.0	8.2	8.3	8.3	1070	1094	1082
	5006	0	0	0	0													
KCl 1.0 g/L	5007	0	2	1	1	8.2	7.5	7.9	8.0	8.2	8.3	8.0	8.2	8.3	8.3	1910	1953	1967
	5008	0	2	2	0													
KCl 2.0 g/L	5009	10	—	—	—	8.2	—	—	—	—	8.3	—	—	—	—	3420	—	—
	5010	10	—	—	—													
Mortality Check Time/Initials		1520 JCM	LG	LG	1415 JCM	1545 JCM	0850 JCM	LG	LG		1550 JCM	0855 JCM	LG	LG			LG	

Sierra Foothill Laboratory, Inc.
255 Scottsville Blvd.
Jackson, CA 95642

Client: dMW/Ref Tox

Test Conducted By: LG/SN/JCM

Exposure Chamber: Capacity 500 mL
Test Solution Volume 300 mL

Feeding Schedule: Not Fed ____
Fed Daily, Siphon Debris Daily ~~X~~ JCM
Fed Irregularly (.1 mL @46h; Siphon @ 48h) X

Test Period:
Beginning: Date 5-5-11 Time 1540
Ending: Date 5-9-11 Time 1415

Food Used: <24h Artemia Code: 6263
Exposed Organisms: 10/test exposure chamber
Renewal Volume and Date: 100 mLs @ 48h
X☐ EPA 600/4-90/027F X☐ EPA 821-R02-012
Temp: 25°C +/- 1 Temp: max.- min. ≤ 3° C

Test Organism:
Species: Pimephales promelas
Age: Hatch Date 04-25-11 10 day old
Source: Enviro Science
Control Water: dMW of 4-22-11
Reference Toxicant Test Date: 5-5-11 Prep Date: 4-25-11
KCl Reagent Code: 6347 Prep Code: 0411-26

Test Cont. number	0h Temp	24h Temp	48h Temp	72h Temp	96h Temp	Total Alkalinity (mg/L as $CaCO_3$) 0h	Total Hardness (mg/L as $CaCO_3$) 0h	Cl_2 (mg/L) 0h	NH_3P (mg/L) 0h
5001	24°	22.8	22.9	23.1	23.1	84	85	—	—
5003	↓	↓	↓	↓	↓	80	85	—	—
5005						88	83	—	—
5007						82	83	—	—
5009									
Initial						82	83	—	—

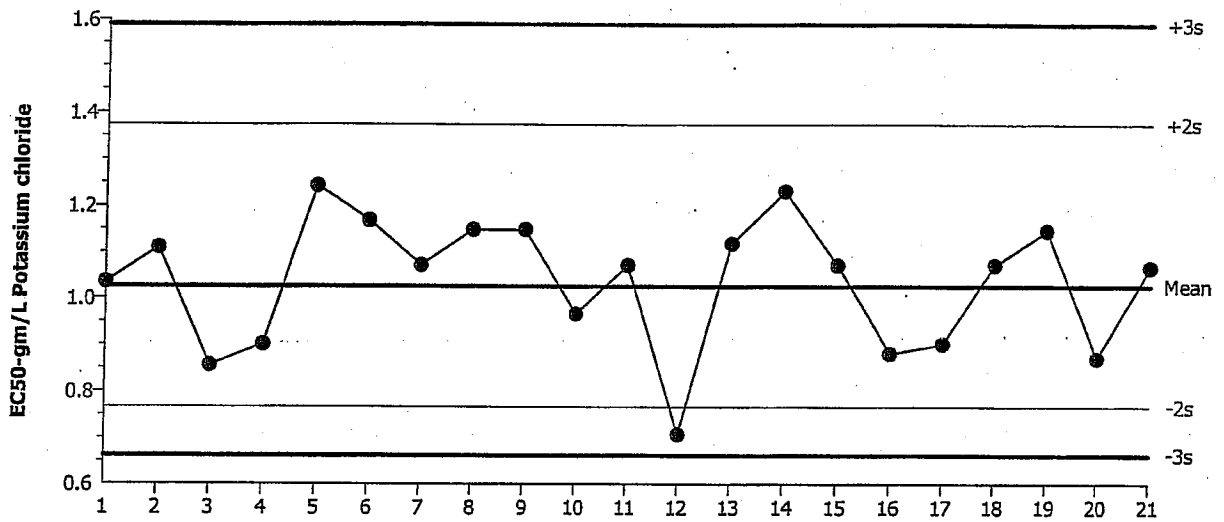
CETIS QC Plot

Report Date: 16 May-11 10:23 (1 of 1)

Fathead Minnow 96-h Acute Survival Test — Sierra Foothill Laboratory Inc.

Test Type:	Survival (96h)	**Organism:**	Pimephales promelas (Fathead Minn	**Material:**	Potassium chloride
Protocol:	EPA/821/R-02-012 (2002)	**Endpoint:**	96h Survival Rate	**Source:**	KCl Reference Toxicant-RT1

Fathead Minnow 96-h Acute Survival Test



Mean:	1.026	**Count:**	20	**-2s Warning Limit:**	0.7661	**-3s Action Limit:**	0.662
Sigma:	N/A	**CV:**	15.70%	**+2s Warning Limit:**	1.374	**+3s Action Limit:**	1.59

Quality Control Data

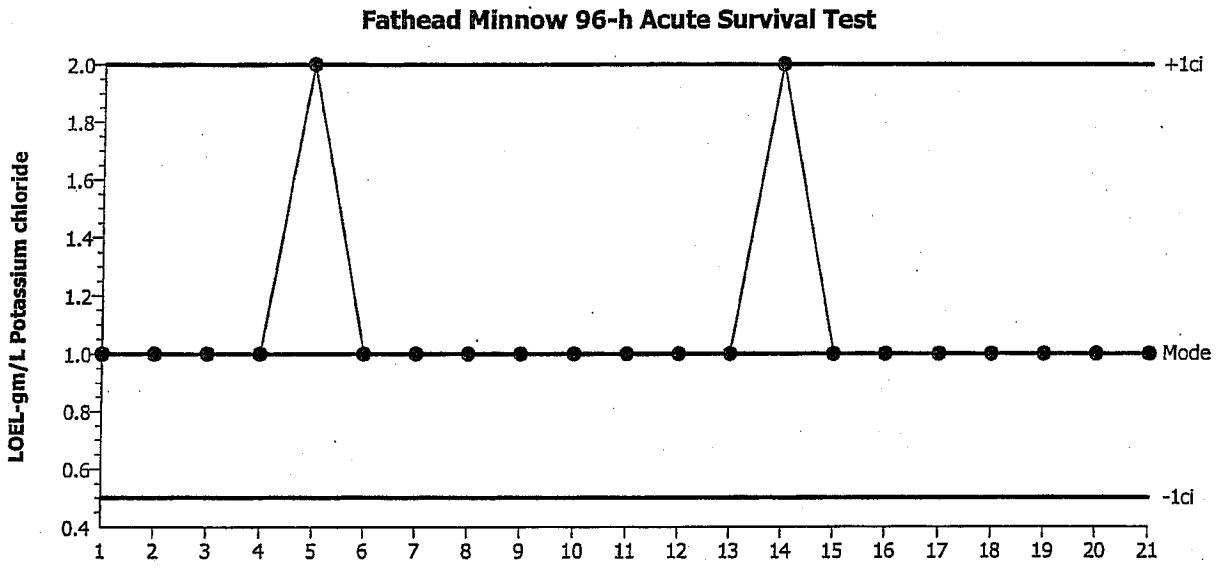
Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Test ID	Analysis ID
1	2010	Oct	5	1.035	0.009406	0.06252			18-0209-1614	15-7149-0741
2			19	1.11	0.08371	0.5373			16-1531-8449	02-1650-4962
3			20	0.8556	-0.1703	-1.243			10-7352-0068	05-0990-0025
4		Nov	4	0.9013	-0.1246	-0.887			00-6675-5277	19-6537-5686
5			16	1.243	0.2169	1.314			02-9968-1817	06-2576-1877
6	2011	Jan	11	1.168	0.1422	0.8893			18-8371-8811	00-1115-4720
7			19	1.072	0.04591	0.2999			09-2139-5321	04-4799-3707
8			25	1.149	0.1228	0.7747			18-1743-4639	06-8312-6442
9		Feb	8	1.149	0.1228	0.7747			08-9402-3489	13-7781-3667
10			15	0.9659	-0.05992	-0.4122			17-6195-7280	03-9107-8564
11			16	1.072	0.04591	0.2999			06-5671-2864	10-2487-8187
12			25	0.7071	-0.3188	-2.549	(-)		15-4252-8537	09-0293-1438
13		Mar	1	1.118	0.09222	0.5896			05-1161-5369	13-0338-0834
14			9	1.231	0.2053	1.249			20-3224-9970	15-7695-3646
15			15	1.072	0.04591	0.2999			11-6948-7973	01-4706-2655
16			16	0.8805	-0.1453	-1.046			04-5563-5050	02-5202-1790
17		Apr	6	0.9013	-0.1246	-0.887			15-5427-6829	07-6291-6658
18			12	1.072	0.04591	0.2999			10-0204-4934	15-6996-7495
19			19	1.146	0.12	0.7577			12-9769-3312	08-5775-0461
20			26	0.8706	-0.1553	-1.124			04-9029-1617	01-3987-8470
21		May	5	1.066	0.04047	0.265			11-3091-3534	20-6934-7500

CETIS QC Plot

Report Date: 16 May-11 10:24 (1 of 1)

Fathead Minnow 96-h Acute Survival Test — **Sierra Foothill Laboratory Inc.**

Test Type:	Survival (96h)	**Organism:**	Pimephales promelas (Fathead Minn	**Material:**	Potassium chloride
Protocol:	EPA/821/R-02-012 (2002)	**Endpoint:**	96h Survival Rate	**Source:**	KCl Reference Toxicant-RT1



Mode: 1 **Count:** 20 **-1ci Action Limit:** 0.5

Dil Fact: 0.5 **+1ci Action Limit:** 2

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Test ID	Analysis ID
1	2010	Oct	5	1	0				18-0209-1614	15-0901-5736
2			19	1	0				16-1531-8449	01-7095-0710
3			20	1	0				10-7352-0068	05-8437-1549
4		Nov	4	1	0				00-6675-5277	17-9174-0120
5			16	2	1				02-9968-1817	20-6860-3566
6	2011	Jan	11	1	0				18-8371-8811	00-0939-8736
7			19	1	0				09-2139-5321	18-6187-1403
8			25	1	0				18-1743-4639	01-4470-4210
9		Feb	8	1	0				08-9402-3489	20-7180-8873
10			15	1	0				17-6195-7280	16-3976-4280
11			16	1	0				06-5671-2864	04-6023-9354
12			25	1	0				15-4252-8537	05-6416-6587
13		Mar	1	1	0				05-1161-5369	04-3056-1547
14			9	2	1				20-3224-9970	15-8757-2597
15			15	1	0				11-6948-7973	14-4618-6875
16			16	1	0				04-5563-5050	05-8801-1472
17		Apr	6	1	0				15-5427-6829	05-3552-9022
18			12	1	0				10-0204-4934	03-4729-3336
19			19	1	0				12-9769-3312	19-7871-1296
20			26	1	0				04-9029-1617	07-2802-1526
21		May	5	1	0				11-3091-3534	12-7375-8874

CETIS Summary Report

Fathead Minnow 96-h Acute Survival Test — **Sierra Foothill Laboratory Inc.**

Batch ID:	20-5530-7213	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	05 May-11 15:40	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	
Ending Date:	09 May-11 14:15	**Species:**	Pimephales promelas	**Brine:**	
Duration:	95h	**Source:**	Enviro Sciences Inc, TX	**Age:**	10d
Sample ID:	00-0588-1161	**Code:**	0411-26	**Client:**	Sierra Foothill Laboratory
Sample Date:	05 May-11	**Material:**	Potassium chloride	**Project:**	
Receive Date:	05 May-11	**Source:**	KCl Reference Toxicant		
Sample Age:	16h	**Station:**			

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
12-7375-8874	96h Survival Rate	0.5	1	0.7071	N/A		Fisher Exact Test

Point Estimate Summary

Analysis ID	Endpoint	Level	gm/L	95% LCL	95% UCL	TU	Method
20-6934-7500	96h Survival Rate	EC50	1.066	0.9071	1.254		Trimmed Spearman-Kärber

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
12-7375-8874	96h Survival Rate	Control Resp	1	0.9 - NL	Yes	Passes Acceptibility Criteria
20-6934-7500	96h Survival Rate	Control Resp	1	0.9 - NL	Yes	Passes Acceptibility Criteria

96h Survival Rate Summary

Conc-gm/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	DMW	2	1	1	1	1	1	0	0	0.0%	0.0%
0.25		2	0.95	0.9236	0.9764	0.9	1	0.05	0.07071	7.44%	5.0%
0.5		2	1	1	1	1	1	0	0	0.0%	0.0%
1		2	0.6	0.6	0.6	0.6	0.6	0	0	0.0%	40.0%
2		2	0	0	0	0	0	0	0		100.0%

96h Survival Rate Detail

Conc-gm/L	Control Type	Rep 1	Rep 2
0	DMW	1	1
0.25		0.9	1
0.5		1	1
1		0.6	0.6
2		0	0

CETIS Analytical Report

Report Date: 16 May-11 10:23 (p 1 of 1)
Test Code: 050511PA5LRT1 | 11-3091-3534

Fathead Minnow 96-h Acute Survival Test — Sierra Foothill Laboratory Inc.

Analysis ID:	20-6934-7500	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.8.0
Analyzed:	16 May-11 10:23	**Analysis:**	Trimmed Spearman-Kärber	**Official Results:**	Yes
Batch ID:	20-5530-7213	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	05 May-11 15:40	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	
Ending Date:	09 May-11 14:15	**Species:**	Pimephales promelas	**Brine:**	
Duration:	95h	**Source:**	Enviro Sciences Inc, TX	**Age:**	10d
Sample ID:	00-0588-1161	**Code:**	0411-26	**Client:**	Sierra Foothill Laboratory
Sample Date:	05 May-11	**Material:**	Potassium chloride	**Project:**	
Receive Date:	05 May-11	**Source:**	KCl Reference Toxicant		
Sample Age:	16h	**Station:**			

Trimmed Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	EC50	95% LCL	95% UCL
Control Threshold	0	2.50%	0.02789	0.03512	1.066	0.9071	1.254

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.9 - NL	Yes	Passes Acceptibility Criteria

Residual Analysis

Attribute	Method	Test Stat	Critical	P-Value	Decision(a:5%)
Extreme Value	Grubbs Extreme Value	2.121	2.29	0.1335	No Outliers Detected

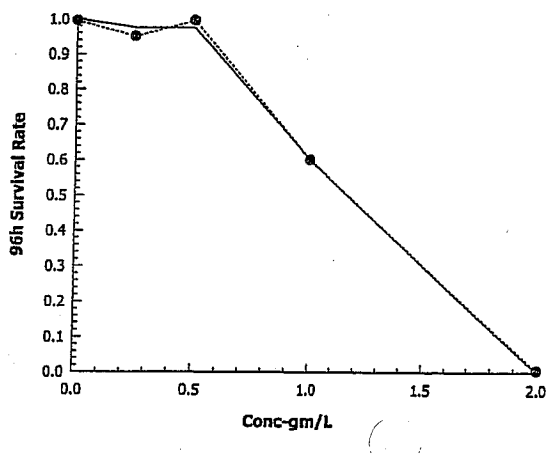
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-gm/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	DMW	2	1	1	1	0	0	0.0%	0.0%	20	20
0.25		2	0.95	0.9	1	0.05	0.07071	7.44%	5.0%	19	20
0.5		2	1	1	1	0	0	0.0%	0.0%	20	20
1		2	0.6	0.6	0.6	0	0	0.0%	40.0%	12	20
2		2	0	0	0	0	0		100.0%	0	20

96h Survival Rate Detail

Conc-gm/L	Control Type	Rep 1	Rep 2
0	DMW	1	1
0.25		0.9	1
0.5		1	1
1		0.6	0.6
2		0	0

Graphics



CETIS Analytical Report

Fathead Minnow 96-h Acute Survival Test — **Sierra Foothill Laboratory Inc.**

Analysis ID:	12-7375-8874	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.8.0
Analyzed:	16 May-11 10:23	**Analysis:**	Single 2x2 Contingency Table	**Official Results:**	Yes
Batch ID:	20-5530-7213	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	05 May-11 15:40	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	
Ending Date:	09 May-11 14:15	**Species:**	Pimephales promelas	**Brine:**	
Duration:	95h	**Source:**	Enviro Sciences Inc, TX	**Age:**	10d
Sample ID:	00-0588-1161	**Code:**	0411-26	**Client:**	Sierra Foothill Laboratory
Sample Date:	05 May-11	**Material:**	Potassium chloride	**Project:**	
Receive Date:	05 May-11	**Source:**	KCl Reference Toxicant		
Sample Age:	16h	**Station:**			

Data Transform	Zeta	Alt Hyp	MC Trials	NOEL	LOEL	TOEL	TU
Untransformed		C > T	Not Run	0.5	1	0.7071	

Fisher Exact Test

Control	vs	Conc-gm/L	Test Stat	P-Value	Decision(0.05)
DMW		0.25	0.5	0.5000	Non-Significant Effect
		0.5	1	1.0000	Non-Significant Effect
		1	0.001638	0.0016	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.9 - NL	Yes	Passes Acceptibility Criteria

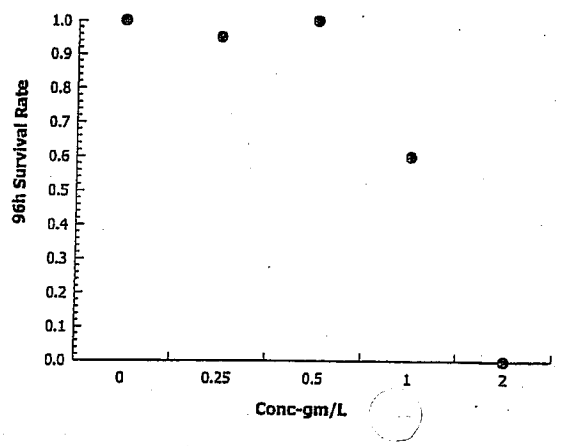
Data Summary

Conc-gm/L	Control Type	No-Resp	Resp	Total
0	DMW	20	0	20
0.25		19	1	20
0.5		20	0	20
1		12	8	20
2		0	20	20

96h Survival Rate Detail

Conc-gm/L	Control Type	Rep 1	Rep 2
0	DMW	1	1
0.25		0.9	1
0.5		1	1
1		0.6	0.6
2		0	0

Graphics



Fathead Minnow 96-h Acute Survival Test — **Sierra Foothill Laboratory Inc.**

Batch ID:	20-5530-7213	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	05 May-11 15:40	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	
Ending Date:	09 May-11 14:15	**Species:**	Pimephales promelas	**Brine:**	
Duration:	95h	**Source:**	Enviro Sciences Inc, TX	**Age:**	10d
Sample ID:	00-0588-1161	**Code:**	0411-26	**Client:**	Sierra Foothill Laboratory
Sample Date:	05 May-11	**Material:**	Potassium chloride	**Project:**	
Receive Date:	05 May-11	**Source:**	KCl Reference Toxicant		
Sample Age:	16h	**Station:**			

Fathead Minnow 96-h Acute Survival Test — Sierra Foothill Laboratory Inc.

Conductivity-Daily-µmhos

Conc-gm/L	Control Type	1	2	3	4
0	DMW		176		169
0.25			652		647
0.5			1094		1092
1			1953		1967
2					

Conductivity-Initial-µmhos

Conc-gm/L	Control Type	1
0	DMW	166
0.25		638
0.5		1070
1		1910
2		3420

Dissolved Oxygen-Daily-mg/L

Conc-gm/L	Control Type	1	2	3	4
0	DMW	7.4	7.8	7.9	8.1
0.25		7.4	7.9	7.9	8.1
0.5		7.4	7.9	8	8.2
1		7.5	7.9	8	8.2
2					

Dissolved Oxygen-Initial-mg/L

Conc-gm/L	Control Type	1
0	DMW	8
0.25		8.1
0.5		8.1
1		8.2
2		8.2

pH-Daily-Units

Conc-gm/L	Control Type	1	2	3	4
0	DMW	7.4	7.9	8	8
0.25		7.9	8.2	8.2	8.2
0.5		8	8.2	8.3	8.3
1		8	8.2	8.3	8.3
2					

pH-Initial-Units

Conc-gm/L	Control Type	1
0	DMW	7.3
0.25		7.9
0.5		8.3
1		8.3
2		8.3

Temperature-Daily-°C

Conc-gm/L	Control Type	1	2	3	4
0	DMW	22.8	22.9	23.1	23.1
0.25		22.8	22.9	23.1	23.1
0.5		22.8	22.9	23.1	23.1
1		22.8	22.9	23.1	23.1
2		22.8			

Fathead Minnow 96-h Acute Survival Test
Sierra Foothill Laboratory Inc.

Temperature-Initial-°C

Conc-gm/L	Control Type	1
0	DMW	24
0.25		24
0.5		24
1		24
2		24

J L ANALYTICAL SERVICES, INC.

217 Primo Way • Modesto, California 95358 • Office (209) 538-8111 • FAX (209) 538-3966

Sconza Candy Company
Attn: Jesse Hodges
1 Sconza Candy Lane
Oakdale,CA 95361

Report # L2.2-14R11074
Report Date: 02/23/2011
Received Date: 02/14/2011
Work Order: 235754

Laboratory Number: 23575401
Description: Storm Water, 2/14/11, 855

Analytical Results

Constituent		Result		Minimum Level	Method Detection Limit	Method Reference	Analysis Date	Analysis Time	Analyst
Suspended Solids	<	20	mg/l	5.0	3.6	SM 2540 D[40]	02/15/2011	09:00	AH
pH *42		7.5	SU			SM 4500-H B[42]	02/14/2011	13:06	NH
Oil & Grease		13	mg/l	5.0	1.5	EPA 1664A	02/21/2011	07:00	BAM
Electrical Conductivity (E.C.)		250	umho/cm	1.0	1.0	SM 2510B[5]	02/16/2011	17:35	JA
Total Organic Carbon		See Reports				See Attached Report	02/18/2011	15:59	AB

QC Results

Constituent	QC Units		Blank	Matrix	Theoretical Spike	Matrix Spike	Matrix Spike Duplicate	Lab Control Spike	Precision %	Accuracy %	Response %
Suspended Solids	mg/l	<	20	340	290	1000	1000	280	3.6	96.6	96.6
pH *42	SU		NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	mg/l		5	13	80	80	78	81	2.0	78.9	96.9
Electrical Conductivity (E.C.)	umho/cm	<	1	230	1400	1600	1600	1400	0.4	97.8	100.1
Total Organic Carbon			NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes

At 25 °C

* Procedure was not run within 15 minutes of sampling

The "Suspended Solids" reported is "Total Suspended Solids

Authorized By: Amos Snider 02/23/2011

Amos Snider Laboratory Supervisor

ELAP Accreditation Laboratory Certificate #1203. These results relate only to the samples tested. This report shall not be reproduced except in fullwithout written approval of the laboratory.

AQUATIC RESEARCH INCORPORATED

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	**JLA009-65**	**PAGE 1**	
REPORT DATE:	**02/17/11**		
DATE SAMPLED:	**02/14/11**	**DATE RECEIVED:**	**02/15/11**

FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM JL ANALYTICAL

CASE NARRATIVE

One water sample was received by the laboratory in good condition. No difficulties were encountered in the preparation or analysis of this sample. Sample data follows while QA/QC data is contained on subsequent pages.

SAMPLE DATA

SAMPLE DESCRIPTION	LAB ID	TOC (mg/L)
STORM WATER	235754-01	3.73

AQUATIC RESEARCH INCORPORATED

LABORATORY & CONSULTING SERVICES
3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	**JLA009-65**	**PAGE 2**
REPORT DATE:	**02/17/11**	
DATE SAMPLED:	**02/14/11**	**DATE RECEIVED: 02/15/11**

FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM JL ANALYTICAL

QC PARAMETER	TOC (mg/L)
METHOD	SM5310B
DATE ANALYZED	02/17/11
METHOD DETECTION LIMIT	0.100
PRACTICAL QUANTITATION LIMIT	0.250
DUPLICATE	
SAMPLE ID	BATCH
ORIGINAL	79.9
DUPLICATE	82.4
RPD	3.07%
SPIKE SAMPLE	
SAMPLE ID	BATCH
ORIGINAL	
SPIKED SAMPLE	
SPIKE ADDED	
% RECOVERY	OR
QC CHECK	
FOUND	4.16
TRUE	4.00
% RECOVERY	104.05%
BLANK	<0.250

RPD = RELATIVE PERCENT DIFFERENCE.
NA = NOT APPLICABLE OR NOT AVAILABLE.
NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.

Submitted By:

Steven Lazoff
Laboratory Director

J L ANALYTICAL SERVICES, INC.

217 Primo Way • Modesto, California 95358 • Office (209) 538-8111 • FAX (209) 538-3966

Sconza Candy Company
Attn: Jesse Hodges
1 Sconza Candy Lane
Oakdale,CA 95361

Report # L.2.2-14R10634
Report Date: 01/21/2011
Received Date: 01/12/2011
Work Order: 234001

Laboratory Number: 23400101
Description: Storm Water, 1/11/11, 545

Analytical Results

Constituent		Result		Minimum Level	Method Detection Limit	Method Reference	Analysis Date	Analysis Time	Analyst
Suspended Solids		54	mg/l	5.0	3.6	SM 2540 D[40]	01/13/2011	09:00	AH
pH		6.5	SU	0.5	0.2	SM 4500-H B	01/12/2011	16:04	NH
Oil & Grease	<	5	mg/l	5.0	1.5	EPA 1664A	01/17/2011	08:00	TRC
Electrical Conductivity (E.C.)		170	umho/cm	1.0	1.0	SM 2510B[5]	01/13/2011	17:50	JA
Total Organic Carbon		See Report				See Attached Report	01/21/2011	11:08	TB

QC Results

Constituent	QC Units		Blank		Matrix	Theoretical Spike	Matrix Spike	Matrix Spike Duplicate	Lab Control Spike	Precision %	Accuracy %	Response %
Suspended Solids	mg/l	<	5		290	290	640	650	270	1.0	98.9	95.9
pH	SU		NA		NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	mg/l	<	5	<	5	80	69	71	82	3.1	82.9	96.2
Electrical Conductivity (E.C.)	umho/cm	<	1		170	1400	1500	1500	1400	0.1	97.7	100.0
Total Organic Carbon			NA		NA	NA	NA	NA	NA	NA	NA	NA

Notes

At 25 °C

The "Suspended Solids" reported is "Total Suspended Solids" (TSS)

Authorized By: Amos Snider 01/21/2011

Amos Snider Laboratory
Supervisor

ELAP Accreditation Laboratory Certificate #1203. These results relate only to the samples tested. This report shall not be reproduced except in fullwithout written approval of the laboratory.

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LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	**JLA009-23A**	**PAGE 1**	
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FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM JL ANALYTICAL

CASE NARRATIVE

One water sample was received by the laboratory in good condition. No difficulties were encountered in the preparation or analysis of this sample. Sample data follows while QA/QC data is contained on subsequent pages.

SAMPLE DATA

SAMPLE DESCRIPTION	LAB ID	TOC (mg/L)
STORM WATER	234001-01	7.18

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3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
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CASE FILE NUMBER:	**JLA009-23A**	**PAGE 2**
REPORT DATE:	**01/21/11**	
DATE SAMPLED:	**01/11/11**	**DATE RECEIVED: 01/14/11**

FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM JL ANALYTICAL

QC PARAMETER	TOC (mg/L)
METHOD	SM5310B
DATE ANALYZED	01/20/11
METHOD DETECTION LIMIT	0.100
PRACTICAL QUANTITATION LIMIT	0.250
DUPLICATE	
SAMPLE ID	234001-01
ORIGINAL	7.18
DUPLICATE	7.20
RPD	0.26%
SPIKE SAMPLE	
SAMPLE ID	234001-01
ORIGINAL	7.18
SPIKED SAMPLE	11.75
SPIKE ADDED	4.50
% RECOVERY	101.47%
QC CHECK	
FOUND	3.98
TRUE	4.00
% RECOVERY	99.55%
BLANK	<0.250

RPD = RELATIVE PERCENT DIFFERENCE.
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OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.

Submitted By:

Steven Lazoff
Laboratory Director

Sample Site	Time	Date	Temperature °C	Temperature °F	Conductivity	pH	Dissolved -O2 mg/L	Residual Chlorine PPM	Remarks: Conditions, outside tests, Storm water observations
R_1	10:45	5/26/11	15.3	59.5	59.19	7.13	9.52	0.00	Down M's flow 0.44 Flow = 1972
E	11:00		22.9	73.2	249.4	7.74	8.71	0.02	
R_2	11:10		15.3	59.5	73.38	7.50	10.39	0.00	SW No Flow
R_1	4:25	6/3/11	17.5	63.5	59.09	6.83	9.69	0.00	Down 14" Flow 0.82
E	4:50		21.6	70.9	249.2	8.13	8.67	0.04	
R_2	5:00		14.9	58.8	73.13	6.87	10.51	0.00	SW No Flow
R_1	7:40	6/6/11							~~COD, BOD~~ Turbidity
E	7:45								COD BOD Oil & Grease Turbidity
R_2	7:50								Turbidity SW Flowing - OK
Water supply TN syrup	7:25	6/7/11							Coliforms - JLA
R_1	7:50								Turbidity - JLA lab
E	7:55								Previous samples lost —
R_2	8:00								
Well 2	5:40	6/8/11			365				Coliforms - JLA
Well 3	6:35	6/8/11	18.0		277				

Sample Site	Time	Date	Temperature °C	°F	Conductivity	pH	Dissolved -O2 mg/L	Residual Chlorine PPM	Remarks: Conditions, outside tests, Storm water observations
R1	7:45	5/9/11							Turbidity
E	7:50								COD BOD Oil + grease Turbidity
R2	8:00								Turbidity SW Flowing - irrigation
Well 4	6:20	5/10/11							Nitrate JLA
E	6:50								BOD COD Oil + Grease - JLA
R1	4:15	5/13/11	14.0	57.2	59.8	7.01	9.71	0.00	Flow 0.53 down 2.1 Flow = 2212 cfm
E	4:30		21.2	70.2	253	7.93	9.58	0.01	Clear
R2	4:35		13.2	55.8	82.5	7.44	10.43	0.00	SW No flow
R1	5:45a	5/17/11	13.7	56.7	60.0	7.90	10.28	0.01	Flow 0.37 Down 2.2 Flow = 1516
E			16.9	62.4	251	8.02	9.11	0.03	Clear
R2	6:15		12.6	54.7	77.2	8.01	10.39	0.00	SW Flowing
Well 2	5:45a	5/25/11							Nitrate + Nitrite, Nitrite JL Analytical
3	5:50								
4	6:00								
* E	6/2/11								BOD, COD Oil + Grease Acute TOX To JL Analytical and Sierra Foothill Lab

* out of order to Fill gap

Sample Site	Time	Date	Temperature °C	Temperature °F	Conductivity	pH	Dissolved -O2 mg/L	Residual Chlorine PPM	Remarks: Conditions, outside tests, Storm water observations
R1	4:40	4/21/11	18.9	66.0	82.5	7.11	7.0	0.00	0.88 Flow down 21" = 365 gpm Very slow Flow
E	~~4:50~~ 4:50	"	22.9	73.2	281	8.06	7.0	0.01	Clear
R2	5:00	↓	18.1	64.6	112.3	7.44	7.81	0.00	No SW
Well 2	6:00a	4/25/11	-						EPA 502, 524 Gross Alpha - Nitrate
R1	3:35	4/29/11	17.1	62.8	69.1	~~10.83~~ 7.92	< .4	0.00	0.75 Flow 23" down .3017 cfm
E	3:55		18.9	66.0	285	7.85	7.6	0.00	Clear
R2	4:05		17.8	64.0	78.5	8.03	8.1	0.00	SW - No Flow
Well 2	5:45	5/2/11	18.7	65.7	357				Coliform to LA Down
EW 3	6:50							0.01	
Shipping	7:00							0.01	
well 3	6:05		18.7	65.7	282				
well 4	6:15	↓	16.9		271				
E	9:25	5/5/11							Acute Toxicity
R1	4:15	5/6/11	22.2	72.0	61.33	6.76	8.81	0.02	0.56 Flow Down 29" = 2253 cfm Temp-EC-DO. New Dakton meter
E	4:35	|	24.5	76.1	247.4	8.14	9.07	0.02	Clear
R2	4:45	↓	18.4	65.1	73.00	7.10	9.82	0.00	SW Flow battery - OK Landscape Mowing

DATE SAMPLED	FLOATING/SUSPENEDED MATTER	DISCOLORATION	BOTTOM DEPOSITS	AQUATIC LIFE	VISIBLE FILMS, SHEENS OR COATINGS	FUNGI, SLIMES OR OBJECTIONABLE GROWTH	POTENTIAL NUISANCE CONDITIONS	PRESENCE/ABSENCE OF SALMONIDS	COMMENTS:
5/17/11	Weed debris	Brownish	mud/silt	moss Algen Frog	None	None	None	Absent	
5/26/11	Weed debris	Brownish	mud/silt	Moss Algen Water beetles	None	None	None	Absent	very little flow
6/3/11	Weed debris	Brownish	mud/silt	aquatic plants moss algen small inverts	None	None	None	Absent	cloudy
6/9/11	Weed debris	Brownish-green	mud/silt	aquatic plants moss small inverts Snail	None	None	None	Absent	
6/17/11	Weed + leaf Debris	Brownish-green	mud/silt	aquatic plants moss snails small frog (F)	None	None	None	Absent	
6/21/11	Weed debris	Brownish-green	mud/silt	aquatic plants moss small inverts	None	None	None	Absent	

DATE SAMPLED	FLOATING/SUSPENEDED MATTER	DISCOLORATION	BOTTOM DEPOSITS	AQUATIC LIFE	VISIBLE FILMS, SHEENS OR COATINGS	FUNGI, SLIMES OR OBJECTIONABLE GROWTH	POTENTIAL NUISANCE CONDITIONS	PRESENCE/ABSENCE OF SALMONIDS	COMMENTS:
4/8/11	None	Brownish	mud/silt	small inverts Tubiflex worms	None	None	None	Absent	Almost no flow
4/15/11	None (Trash)	Brownish	mud/silt	Small inverts Mallard ducks	None	None	None	Absent	Styrofoam cups plastic bags
4/21/11	weed litter	Brownish-green	mud/silt	Non aquatic plants	None	None	None	Absent	
4/28/11	weed/leaf litter	Brownish	mud/silt	small inverts moss	None	None	None	Absent	windy!
5/6/11	weed litter	Brownish	mud/silt	aquatic plants	None	None	None	Absent	
5/13/11	weed litter	Brownish	mud/silt	aquatic plant Frog at E moss	None	None	None	Absent	