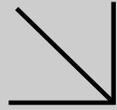




Calscience



WORK ORDER NUMBER: 14-12-1736

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Yolo County District Attorney's Office

Client Project Name: Bioassay Testing

Attention: Heidi D'Agostino
301 Second Street
Woodland, CA 95695-3415

Approved for release on 01/15/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: Bioassay Testing
Work Order Number: 14-12-1736

1	Work Order Narrative.	3
2	Sample Summary.	4
3	Client Sample Data.	5
	3.1 CA Fish and Game 96-Hour Acute Aquatic Bioassay (Solid).	5
4	Glossary of Terms and Qualifiers.	35
5	Chain-of-Custody/Sample Receipt Form.	36

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/18/14. They were assigned to Work Order 14-12-1736.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



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Sample Summary

Client: Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Work Order: 14-12-1736
Project Name: Bioassay Testing
PO Number:
Date/Time Received: 12/18/14 12:45
Number of Containers: 53

Attn: Heidi D'Agostino

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
190B	14-12-1736-1	12/16/14 00:00	1	Solid
191B	14-12-1736-2	12/16/14 00:00	1	Solid
192B	14-12-1736-3	12/16/14 00:00	1	Solid
193B	14-12-1736-4	12/16/14 00:00	1	Solid
194B	14-12-1736-5	12/16/14 00:00	2	Solid
195B	14-12-1736-6	12/16/14 00:00	1	Solid
196B	14-12-1736-7	12/16/14 00:00	1	Solid
197B	14-12-1736-8	12/16/14 00:00	1	Solid
198B	14-12-1736-9	12/16/14 00:00	2	Solid
199B	14-12-1736-10	12/16/14 00:00	2	Solid
200B	14-12-1736-11	12/16/14 00:00	1	Solid
201B	14-12-1736-12	12/16/14 00:00	1	Solid
202B	14-12-1736-13	12/16/14 00:00	4	Solid
203B	14-12-1736-14	12/16/14 00:00	3	Solid
204B	14-12-1736-15	12/16/14 00:00	1	Solid
205B	14-12-1736-16	12/16/14 00:00	2	Solid
206B	14-12-1736-17	12/16/14 00:00	2	Solid
207B	14-12-1736-18	12/16/14 00:00	1	Solid
208B	14-12-1736-19	12/16/14 00:00	1	Solid
209B	14-12-1736-20	12/16/14 00:00	3	Solid
210B	14-12-1736-21	12/16/14 00:00	1	Solid
211B	14-12-1736-22	12/16/14 00:00	3	Solid
212B	14-12-1736-23	12/16/14 00:00	3	Solid
213B	14-12-1736-24	12/16/14 00:00	2	Solid
214B	14-12-1736-25	12/16/14 00:00	2	Solid
215B	14-12-1736-26	12/16/14 00:00	1	Solid
216B	14-12-1736-27	12/16/14 00:00	1	Solid
217B	14-12-1736-28	12/16/14 00:00	3	Solid
218B	14-12-1736-29	12/16/14 00:00	2	Solid
219B	14-12-1736-30	12/16/14 00:00	3	Solid



Return to Contents



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Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 1 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.84 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.22 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
190B	14-12-1736-1	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 2 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.83 units	Conductivity:	920 umhos/cm
Dissolved Oxygen (D.O.):	7.13 mg/L	Alkalinity:	198 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
191B	14-12-1736-2	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	10	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 3 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.85 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.2 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
192B	14-12-1736-3	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 4 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.82 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.12 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
193B	14-12-1736-4	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 5 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.85 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.11 mg/L	Alkalinity:	198 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
194B	14-12-1736-5	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



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Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 6 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.84 units	Conductivity:	970 umhos/cm
Dissolved Oxygen (D.O.):	7.2 mg/L	Alkalinity:	216 mg/L
Hardness:	46 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
195B	14-12-1736-6	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 7 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.84 units	Conductivity:	920 umhos/cm
Dissolved Oxygen (D.O.):	7.15 mg/L	Alkalinity:	198 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
196B	14-12-1736-7	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 8 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.85 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.12 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
197B	14-12-1736-8	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 9 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.86 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.12 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
198B	14-12-1736-9	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

All testing was within method protocol.

Sample was received within recommended holding time.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 10 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.84 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.17 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
199B	14-12-1736-10	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 11 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.84 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.11 mg/L	Alkalinity:	198 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
200B	14-12-1736-11	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 12 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.84 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.19 mg/L	Alkalinity:	198 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
201B	14-12-1736-12	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 13 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.82 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.15 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
202B	14-12-1736-13	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 14 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	12/20/14 18:00:00	Test End:	12/24/14 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.9 °C
pH:	7.85 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.17 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
203B	14-12-1736-14	12/16/14	Solid	12/20/14	12/24/14 18:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.50
Upper 95% confidence limit:	26.10
Lower 95% confidence limit:	22.90

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 15 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.79 units	Conductivity:	940 umhos/cm
Dissolved Oxygen (D.O.):	7.16 mg/L	Alkalinity:	204 mg/L
Hardness:	44 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
204B	14-12-1736-15	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	100	%
Bioassay 250 mg/L (% Mortality)	100	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 16 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.81 units	Conductivity:	950 umhos/cm
Dissolved Oxygen (D.O.):	7.13 mg/L	Alkalinity:	208 mg/L
Hardness:	44 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
205B	14-12-1736-16	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	100	%
Bioassay 250 mg/L (% Mortality)	85	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 17 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.81 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.22 mg/L	Alkalinity:	194 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
206B	14-12-1736-17	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	100	%
Bioassay 250 mg/L (% Mortality)	100	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 18 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.8 units	Conductivity:	920 umhos/cm
Dissolved Oxygen (D.O.):	7.17 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
207B	14-12-1736-18	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.



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Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 19 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.79 units	Conductivity:	960 umhos/cm
Dissolved Oxygen (D.O.):	7.15 mg/L	Alkalinity:	210 mg/L
Hardness:	46 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
208B	14-12-1736-19	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.



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Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 20 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.9 units	Conductivity:	940 umhos/cm
Dissolved Oxygen (D.O.):	7.2 mg/L	Alkalinity:	204 mg/L
Hardness:	44 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
209B	14-12-1736-20	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 21 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.82 units	Conductivity:	920 umhos/cm
Dissolved Oxygen (D.O.):	7.21 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
210B	14-12-1736-21	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Bioassay 750 mg/L (% Mortality)	95	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 22 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.8 units	Conductivity:	920 umhos/cm
Dissolved Oxygen (D.O.):	7.17 mg/L	Alkalinity:	196 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
211B	14-12-1736-22	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 23 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.81 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.17 mg/L	Alkalinity:	194 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
212B	14-12-1736-23	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 24 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.82 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.2 mg/L	Alkalinity:	194 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
213B	14-12-1736-24	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 25 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.81 units	Conductivity:	930 umhos/cm
Dissolved Oxygen (D.O.):	7.2 mg/L	Alkalinity:	202 mg/L
Hardness:	44 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
214B	14-12-1736-25	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	100	%
Bioassay 250 mg/L (% Mortality)	100	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 26 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.79 units	Conductivity:	930 umhos/cm
Dissolved Oxygen (D.O.):	7.16 mg/L	Alkalinity:	200 mg/L
Hardness:	44 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
215B	14-12-1736-26	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 27 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.8 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.14 mg/L	Alkalinity:	194 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
216B	14-12-1736-27	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Analytical Report

Yolo County District Attorney's Office
 301 Second Street
 Woodland, CA 95695-3415

Date Received: 12/18/14
 Work Order: 14-12-1736
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

Page 28 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.82 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.2 mg/L	Alkalinity:	194 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
217B	14-12-1736-28	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 29 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.81 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.22 mg/L	Alkalinity:	194 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
218B	14-12-1736-29	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

Yolo County District Attorney's Office
301 Second Street
Woodland, CA 95695-3415

Date Received: 12/18/14
Work Order: 14-12-1736
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 30 of 30

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	44 mm	Mean Weight:	0.48 g
Sample Collected:	12/16/14 00:00:00	Sample Received:	12/18/14 12:45:00		
Test Start:	01/02/15 17:00:00	Test End:	01/06/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.79 units	Conductivity:	940 umhos/cm
Dissolved Oxygen (D.O.):	7.16 mg/L	Alkalinity:	202 mg/L
Hardness:	44 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
219B	14-12-1736-30	12/16/14	Solid	01/02/15	01/06/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	25.10
Upper 95% confidence limit:	26.60
Lower 95% confidence limit:	23.60

SRT: Standard Reference Toxicant.

Glossary of Terms and Qualifiers

Work Order: 14-12-1736

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
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 (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSO or PES/PESO associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
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.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



**OFFICE OF THE DISTRICT ATTORNEY
YOLO COUNTY**

301 2nd Street
Woodland, California 95695
Telephone: (530) 666-8424 Fax: (530) 666-8423

Testing Facility
Facility name: eurofins
Calscience Environmental Laboratories, Inc.
Facility address: 7440 Lincoln Way
Garden Grove, CA 92841-1427
Facility contact: Danielle Gonsman, Project Manager

Please send results to:
Name: Investigator Heidi D'Agostino
Email: heidi.dagostino@yolocounty.org
Fax: 530-666-8423

1/2
14-12-1736

CHAIN OF CUSTODY RECORD

L2 Sample Number	Description	Manufacturer	UPC	Quantity	Main Ingredient / Or Usage / NOTES	Date sampled	Time sampled	Sample container description					Required analysis	
								Method of sampling: Composite (C) Grab (g)	Size of sample container (include units)	Type of sample container: Plastic (P), Carboard/box (C)	Evidence tape: Yes (Y) No (N)	Transported in Ice: Yes (Y) No (N)		96-hour fish bioassay
1	190B One-A-Day Prenatal Multivitamin + DHA	Bayer Healthcare LLC	016500552819	1				n/a	200g (min)	C	N	N	N	X
2	191B NatureMade Iron 65 mg, 180 tablets	Nature Made Nutritional Products	031604026127	1				n/a	200g (min)	P	N	N	N	X
3	192B PreserVision Eye Vitamin & Mineral	Bausch & Lomb Inc	324208432723	1				n/a	200g (min)	P	N	N	N	X
4	193B One-A-Day Women's VitaCraves	Bayer Healthcare LLC	016500555926	1				n/a	200g (min)	P	N	N	N	X
5	194B Sundown Naturals Acidophilus	Rexall Sundown Inc	030768377461	2				n/a	200g (min)	P	N	N	N	X
6	195B Nature's Bounty Protein & Vitamin Shake	Nature's Bounty Inc	074312508745	1				n/a	200g (min)	P	N	N	N	X
7	196B Radiance Flaxseed oil 1200 mg	Radiance LLC	050428480090	1				n/a	200g (min)	P	N	N	N	X
8	197B L'li Cirtters Immune C + Zinc & Echinacea	Church & Dwight Co, Inc	027917019451	1				n/a	200g (min)	P	N	N	N	X
9	198B Enfamil D-Vi-Sol Vit D Supplement Drops	Mead Johnson & Co LLC	300870866448	2				n/a	200g (min)	C	N	N	N	X
10	199B CVS D3, 5000 IU	CVS Pharmacy Inc	050428165164	2				n/a	200g (min)	P	N	N	N	X
11	200B Flinstones Chewable Multivitamin	Bayer Healthcare LLC	016500088066	1				n/a	200g (min)	C	N	N	N	X
12	201B Nature's Way Alive! Calcium	Nature's Way Products LLC	033674158388	1				n/a	200g (min)	C	N	N	N	X
13	202B Align Digestive Probiotic Supplement	Proctor & Gamble	037000294177	4				n/a	200g (min)	C	N	N	N	X
14	203B CVS Hormone-free Menopause Relief	CVS Pharmacy Inc	050428452660	3				n/a	200g (min)	C	N	N	N	X
15	204B Nature's Bounty Cinnamon Plus Chromium	Nature's Bounty Inc	074312150616	1				n/a	200g (min)	P	N	N	N	X
16	205B Radiance Ginger Root, 550 mg	Radiance LLC	050428478707	2				n/a	200g (min)	P	N	N	N	X
17	206B CVS Zinc, 50 mg	CVS Pharmacy Inc	050428247235	2				n/a	200g (min)	P	N	N	N	X
18	207B Nature's Lab Milk Thistle, 600 mg	DrVita Labs	818014014094	1				n/a	200g (min)	P	N	N	N	X
19	208B CVS Red Yeast Rice, 600 mg	CVS Pharmacy Inc	050428131282	1				n/a	200g (min)	P	N	N	N	X
20	209B Nature's Lab Ginkgo Biloba, 120 mg	DrVita Labs	818014014100	3				n/a	200g (min)	P	N	N	N	X

NOTE: All Samples were taken at 301.2nd Street, Woodland, CA 95695

Name	Title	Date	Time	Remarks
Rachulski	Legal Secretary	12/10/14	3:00 PM	
Pruett	Eq Lab Tech.	12/18/14	1:24 PM	



1736

YOLO COUNTY DISTRICT ATTORNEY
(530) 666-8424
THE UPS STORE #0533
STE A
1296 E GIBSON RD
WOODLAND CA 95776-6378

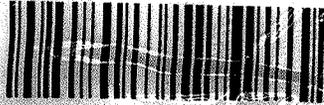
15 LBS 1 OF 1
SHP WT: 15 LBS
DATE: 16 DEC 2014

SHIP CALSCIENCE ENVIROMENTAL LABORATORIE
TO: EUROFINS
7440 LINCOLN WAY

GARDEN GROVE CA 92841-1427

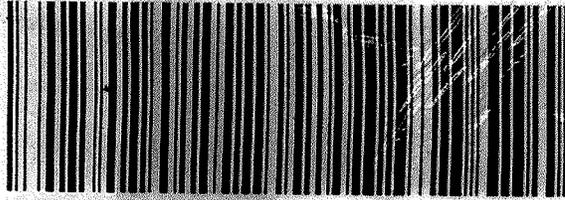


CA 927 9-09



UPS GROUND

TRACKING #: 1Z 1Y9 57W 03 8935 6093



BILLING: P/P

REF #1: 121614VN

ISH 13.00N ZP 450 57.5U 10/2014



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Return to Contents



**OFFICE OF THE DISTRICT ATTORNEY
YOLO COUNTY**

301 2nd Street
Woodland, California 95695
Telephone: (530) 666-8424 Fax: (530) 666-8423

Please send results to:
Name: Investigator Heidi D'Agostino
Email: heidi.dagostino@yolocounty.org
Fax: 530-666-8423

Testing Facility
Facility name: eurofins
Calscience Environmental Laboratories, Inc.
Facility address: 7440 Lincoln Way
Garden Grove, CA 92841-1427
Facility contact: Danielle Gonsman, Project Manager

CHAIN OF CUSTODY RECORD

L2 Sample Number	Description	Manufacturer	UPC	Quantity	Main Ingredient / Or Usage / NOTES
190B	One-A-Day Prenatal Multivitamin + DHA	Bayer Healthcare LLC	016500552819	1	
191B	NatureMade Iron 65 mg, 180 tablets	Nature Made Nutritional Products	031604026127	1	
192B	PreserVision Eye Vitamin & Mineral	Bausch & Lomb Inc	324208432723	1	
193B	One-A-Day Women's VitaCraves	Bayer Healthcare LLC	016500555926	1	
194B	Sundown Naturals Acidophilus	Rexall Sundown Inc	030768177461	2	
195B	Nature's Bounty Protein & Vitamin Shake	Nature's Bounty Inc	074312508745	1	
196B	Radiance Flaxseed oil 1200 mg	Radiance LLC	050428480090	1	
197B	L'il Cirtters Immune C+ Zinc & Echinacea	Church & Dwight Co, Inc	027917019451	1	
198B	Enfamil D-Vi-Sol Vit D Supplement Drops	Mead Johnson & Co LLC	300870866448	2	
199B	CVS D3, 5000 IU	CVS Pharmacy Inc	050428165164	2	
200B	Flinstones Chewable Multivitamin	Bayer Healthcare LLC	016500088066	1	
201B	Nature's Way Alive! Calcium	Nature's Way Products LLC	033674158388	1	
202B	Align Digestive Probiotic Supplement	Proctor & Gamble	037000294177	4	
203B	CVS Hormone-free Menopause Relief	CVS Pharmacy Inc	050428452660	3	
204B	Nature's Bounty Cinnamon Plus Chromium	Nature's Bounty Inc	074312150616	1	
205B	Radiance Ginger Root, 550 mg	Radiance LLC	050428478707	2	
206B	CVS Zinc, 50 mg	CVS Pharmacy Inc	050428247235	2	
207B	Nature's Lab Milk Thistle, 600 mg	DrVita Labs	818014014094	1	
208B	CVS Red Yeast Rice, 600 mg	CVS Pharmacy Inc	050428131282	1	
209B	Nature's Lab Ginkgo Biloba, 120 mg	DrVita Labs	818014014100	3	

Date sampled	Time sampled	Sample container description					Required analysis
		Method of sampling: Composite (C) Grab (G)	Size of sample container (include units)	Type of sample container: Plastic (P), Cardboard/box (C)	Evidence tape: Yes (Y) No (N)	Transported in iced cooler: Yes (Y) No (N)	
		n/a	200g (min)	C	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	C	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	C	N	N	X
		n/a	200g (min)	C	N	N	X
		n/a	200g (min)	C	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X
		n/a	200g (min)	P	N	N	X

190B
191B
192B
193B
194B
195B
196B
197B
198B
199B
200B
201B
202B
203B
204B
205B
206B
207B
208B
209B

NOTE: All Samples were taken at 301 2nd Street, Woodland, CA 95695

Relinquished by:	<u>Rachelle Hunt</u>	Title	<u>Legal Secretary</u>	Date	<u>12/16/14</u>	Time	<u>3:00pm</u>	Remarks	
Received by:	<u>preg</u>		<u>Lab Tech.</u>		<u>12/18/14</u>		<u>12:45</u>		
Relinquished by:									
Received by:									
Relinquished by:									

COPY

Calscience

WORK ORDER #: 14-12-1736

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: YOLO COUNTY

DATE: 12/18/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Temperature 22.7 °C - 0.2°C (CF) = 22.5 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: 836)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Checked by: 836

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Checked by: 836

Sample _____ No (Not Intact) Not Present Checked by: _____

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Collection <u>date/time</u> , matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® Various PB

Aqueous: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 1PB_{na} 500PB

250PB 250PB_n 125PB 125PB_{z_{na}} 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Canister Other: _____ Trip Blank Lot#: _____ Labeled/Checked by: 972

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 836

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z_{na}: ZnAc₂+NaOH f: Filtered Scanned by: 836

* No collection/date, time on label, 802

