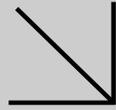




Calscience



WORK ORDER NUMBER: 15-11-2042

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 01/17/2016 by:
Don Burley
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.



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Work Order Number: 15-11-2042

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/30/15. They were assigned to Work Order 15-11-2042.

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.

Subcontractor Information:

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

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.

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.



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Sample Summary

Client: Yolo County District Attorney's Office	Work Order:	15-11-2042
301 Second Street	Project Name:	Bioassay Testing
Woodland, CA 95695-3415	PO Number:	
	Date/Time Received:	11/30/15 11:15
	Number of Containers:	34

Attn: Heidi D'Agostino

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
316B	15-11-2042-1	11/25/15 10:30	1	Solid
317B	15-11-2042-2	11/25/15 10:30	3	Solid
318B	15-11-2042-3	11/25/15 10:30	1	Solid
319B	15-11-2042-4	11/25/15 10:30	1	Solid
320B	15-11-2042-5	11/25/15 10:30	3	Solid
321B	15-11-2042-6	11/25/15 10:30	4	Aqueous
322B	15-11-2042-7	11/25/15 10:30	1	Aqueous
323B	15-11-2042-8	11/25/15 10:30	3	Solid
324B	15-11-2042-9	11/25/15 10:30	1	Solid
325B	15-11-2042-10	11/25/15 10:30	1	Solid
326B	15-11-2042-11	11/25/15 10:30	1	Solid
327B	15-11-2042-12	11/25/15 10:30	1	Solid
328B	15-11-2042-13	11/25/15 10:30	2	Aqueous
329B	15-11-2042-14	11/25/15 10:30	3	Solid
330B	15-11-2042-15	11/25/15 10:30	3	Solid
331B	15-11-2042-16	11/25/15 10:30	1	Aqueous
332B	15-11-2042-17	11/25/15 10:30	1	Aqueous
333B	15-11-2042-18	11/25/15 10:30	1	Aqueous
334B	15-11-2042-19	11/25/15 10:30	1	Aqueous
335B	15-11-2042-20	11/25/15 10:30	1	Aqueous


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Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.84 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.16 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
316B	15-11-2042-1-A	11/25/15	Solid	12/01/15	12/05/15 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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
 Work Order: 15-11-2042
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.82 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.13 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
317B	15-11-2042-2-A	11/25/15	Solid	12/01/15	12/05/15 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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
 Work Order: 15-11-2042
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (Pimephales Promelas)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.83 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.1 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
318B	15-11-2042-3-A	11/25/15	Solid	12/01/15	12/05/15 17:00:00	

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Bioassay 750 mg/L (% Mortality)	100	%
Bioassay 250 mg/L (% Mortality)	5	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
 Work Order: 15-11-2042
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.79 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.1 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
319B	15-11-2042-4-A	11/25/15	Solid	12/10/15	12/14/15 16:00:00	

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Bioassay 750 mg/L (% Mortality)	100	%
Bioassay 250 mg/L (% Mortality)	10	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °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
320B	15-11-2042-5-A	11/25/15	Solid	12/01/15	12/05/15 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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	7.84 °C
pH:	7.84 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.09 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
323B	15-11-2042-8-A	11/25/15	Solid	12/01/15	12/05/15 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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
 Work Order: 15-11-2042
 Preparation: N/A
 Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (Pimephales Promelas)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	7.83 °C
pH:	7.83 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
324B	15-11-2042-9-A	11/25/15	Solid	12/01/15	12/05/15 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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.82 units	Conductivity:	920 umhos/cm
Dissolved Oxygen (D.O.):	7.11 mg/L	Alkalinity:	200 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
325B	15-11-2042-10-A	11/25/15	Solid	12/01/15	12/05/15 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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

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: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.83 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.14 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
326B	15-11-2042-11-A	11/25/15	Solid	12/01/15	12/05/15 17:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	25	%
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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.76 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
327B	15-11-2042-12-A	11/25/15	Solid	12/10/15	12/14/15 16:00:00	

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):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.78 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.17 mg/L	Alkalinity:	194 mg/L
Hardness:	42 mg/L	Ammonia:	42mg/L

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
329B	15-11-2042-14-A	11/25/15	Solid	12/10/15	12/14/15 16:00:00	

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):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

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Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.76 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.13 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
330B	15-11-2042-15-A	11/25/15	Solid	12/10/15	12/14/15 16:00:00	

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):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 1 of 8

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.85 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.14 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
321B	15-11-2042-6-A	11/25/15	Aqueous	12/01/15	12/05/15 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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 2 of 8

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	42 mm	Mean Weight:	0.45 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/01/15 17:00:00	Test End:	12/05/15 17:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.83 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.07 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
322B	15-11-2042-7-A	11/25/15	Aqueous	12/01/15	12/05/15 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):	26.10
Upper 95% confidence limit:	26.40
Lower 95% confidence limit:	25.80

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 3 of 8

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.77 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.15 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
328B	15-11-2042-13-A	11/25/15	Aqueous	12/10/15	12/14/15 16:00:00	

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):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 4 of 8

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.79 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.09 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
331B	15-11-2042-16-A	11/25/15	Aqueous	12/10/15	12/14/15 16:00:00	

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):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 5 of 8

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.78 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.16 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
332B	15-11-2042-17-A	11/25/15	Aqueous	12/10/15	12/14/15 16:00:00	

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):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 6 of 8

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.8 units	Conductivity:	920 umhos/cm
Dissolved Oxygen (D.O.):	7.12 mg/L	Alkalinity:	200 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
333B	15-11-2042-18-A	11/25/15	Aqueous	12/10/15	12/14/15 16:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	100	%
Bioassay 250 mg/L (% Mortality)	5	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 7 of 8

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.78 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.1 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
334B	15-11-2042-19-A	11/25/15	Aqueous	12/10/15	12/14/15 16:00:00	

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):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.



Calscience

Analytical Report

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

Date Received: 11/30/15
Work Order: 15-11-2042
Preparation: N/A
Method: CA Fish and Game

Project: Bioassay Testing

Page 8 of 8

Test Species:	Fathead Minnow (<i>Pimephales Promelas</i>)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	11/25/15 10:30:00	Sample Received:	11/30/15 11:15:00		
Test Start:	12/10/15 16:00:00	Test End:	12/14/15 16:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	20 °C
pH:	7.81 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
335B	15-11-2042-20-A	11/25/15	Aqueous	12/10/15	12/14/15 16:00:00	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	100	%
Bioassay 250 mg/L (% Mortality)	95	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.30
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	23.00

SRT: Standard Reference Toxicant.



Calscience

Sample Analysis Summary Report

Work Order: 15-11-2042

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
CA Fish and Game	N/A	691	TANK	1


Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 15-11-2042

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/PDSD or PES/PESD 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.
CI	See case narrative.
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.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	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

Please send results to:
Name: Investigator Heidi D'Agostino
Email: heidi.dagostino@yolocounty.org
Fax: 530-666-8185

15-11-2042

CHAIN OF CUSTODY RECORD

Testing Facility
Facility name: Eurofins CalScience Environmental Laboratories, Inc.
Facility address: 7440 Lincoln Way
Garden Grove, CA 92841-1427
Facility contact: Don Burley, Project Manager

L1 Sample Number	Description	Manufacturer	UPC	Quantity	Main Ingredient / Or Usage / NOTES	Date sampled	Time sampled	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 (cooler: Yes (Y) No (N))	Required analysis
316B	Original Blend Sparrow Pipe Tobacco, 6 oz	Prime Time International Co.	789502960004	1	solid	11/25/2015	10:30 AM	n/a	200g (min)	P	N	N	96-hour fish bioassay
317B	Camel Turkish Domestic Blend Filters	RReynolds Tobacco Company	01230331	3	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
318B	Garcia Y Vega Miniatures, 5 Cigars	Garcia Y Vega Imports	031700008225	1	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
319B	Garcia Y Vega Cigarillos, 5 Cigars	Garcia Y Vega Imports	031700000519	1	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
320B	Jewels Original Hav-a-Tampa Birchwood Tip Cigars, 5 Cigars	Altadis USA	076452700201	3	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
321B	Royal King Panax Ginseng Extract, 0.95 fl oz	TBD - Photos taken of packaging	799745283044	4	liquid	11/25/2015	10:30 AM	n/a	200g (min)	G	N	N	X
322B	Jewels Original Virginia Select, 15mL	TBD - Photos taken of packaging	616453280809	1	liquid	11/25/2015	10:30 AM	n/a	200g (min)	G	N	N	X
323B	Beech-Nut Original Chewing Tobacco, 3 oz	National Tobacco Company LP	035106057047	3	solid	11/25/2015	10:30 AM	n/a	200g (min)	P	N	N	X
324B	Crayola Anti-Dust Chalk, 12 white chalk	Crayola	071662014025	1	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
325B	Crayola Drawing Chalk, 12 colored chalk sticks	Crayola	071662004033	1	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
326B	Sharpie Fine Permanent Marker, 12 ct	Newell Rubbermaid Office Products	071641300019	1	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
327B	Sharpie Highlighter, Fluorescent Yellow, 12 ct	Newell Rubbermaid Office Products	071641250253	1	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
328B	Aelos E-liquid Tobacco, 20 ML	Ballaj, Inc	799418210612	2	liquid	11/25/2015	10:30 AM	n/a	200g (min)	G	N	N	X
329B	Copenhagen Long Cut, Original, 1.2 oz	U.S. Smokeless Tobacco Co.	07312115	3	solid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
330B	Copenhagen Long Cut, Straight, 1.2 oz	U.S. Smokeless Tobacco Co.	07388215	3	solid	11/25/2015	10:30 AM	n/a	200g (min)	P	N	N	X
331B	Clear Care 3% Hydrogen Peroxide Cleaning & Disinfecting Solution, 12 fl oz	Alcon Laboratories, Inc	047113609027	1	liquid	11/25/2015	10:30 AM	n/a	200g (min)	P	N	N	X
332B	Edge Body non-Foaming Face & Body Shave Cream, 5.1 fl oz	Energizer Personal Care, LLC	841058006473	1	liquid	11/25/2015	10:30 AM	n/a	200g (min)	P	N	N	X
333B	Tom's of Maine Whole Care Fluoride Toothpaste, Cinnamon Clove, 4.7 oz	Tom's of Maine, Inc.	077326830734	1	liquid	11/25/2015	10:30 AM	n/a	200g (min)	C	N	N	X
334B	TopCare Hydrogen Peroxide Solution 3%, 16 fl oz	Topco Associates, LLC	038800267114	1	liquid	11/25/2015	10:30 AM	n/a	200g (min)	P	N	N	X
335B	STP Heavy Duty Brake Fluid DOT3, 12 fl oz	The Armor All/STP Products Co.	071153002036	1	liquid	11/25/2015	10:30 AM	n/a	200g (min)	P	N	N	X

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

Relinquished by: Rachul Hunter Title: Legal Sec. Date: 11/25/15 Time: 10:30 AM
 Received by: preety Lab. Tech. Date: 11/30/15 Time: 11A
 Relinquished by: _____
 Received by: _____
 Relinquished by: _____
 Received by: _____

2042

VNO
17

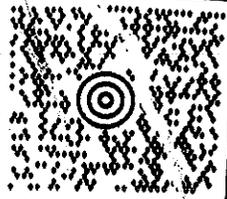
YOLD COUNTY D.A.
(530) 666-8180
THE UPS STORE #0533
STE A
1286 E GIBSON RD
WOODLAND CA 95776-6378

9 LBS 1 OF
SHP. WT: 9 LBS
DATE: 25 NOV 2015

SHIP DON BURLEY
TO: EUROFINS CLASCIENCE
7440 LINCOLN WAY

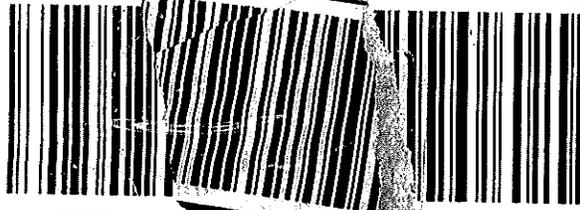
GARDEN GROVE CA 9241-1427

CA 927 9-0



UPS GROUND

TRACKING #: 1Z 1W 57W 03 431 6 9676



P/P

REF #1: 112515HD
REF #2: 533



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S. 4 ZP 450 69.5U 10/2015

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: Yolo County

DATE: 11/30/2015

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

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 24.7 °C (w/ CF): 24.3 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: 896)

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

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 896

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 896

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1060

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples Yes No N/A

COC document(s) received complete Yes No N/A

Sampling date Sampling time Matrix Number of containers

No analysis requested Not relinquished No relinquished date No relinquished time

Sampler's name indicated on COC Yes No N/A

Sample container label(s) consistent with COC Yes No N/A

Sample container(s) intact and in good condition Yes No N/A

Proper containers for analyses requested Yes No N/A

Sufficient volume/mass for analyses requested Yes No N/A

Samples received within holding time Yes No N/A

Aqueous samples for certain analyses received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfide Dissolved Oxygen Yes No N/A

Proper preservation chemical(s) noted on COC and/or sample container Yes No N/A

Unpreserved aqueous sample(s) received for certain analyses

Volatile Organics Total Metals Dissolved Metals

Container(s) for certain analysis free of headspace Yes No N/A

Volatile Organics Dissolved Gases (RSK-175) Dissolved Oxygen (SM 4500)

Carbon Dioxide (SM 4500) Ferrous Iron (SM 3500) Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation Yes No N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) 4B

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (Liquid): Bag _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1159

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 681

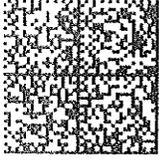
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CERTIFIED MAIL



7015 0640 0000 2580 4075

**Yolo County District Attorney
Consumer Fraud & Environmental Protection
301 Second St
Woodland, CA 95695**



02 1P
0003181096
\$ 007.230
DEC 21 2015
MAILED FROM ZIP CODE 95695

**Don Burley
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427**

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: Yolo

DATE: 12/28/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)
 Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 24.1 °C (w/ CF): 23.7 °C; Blank Sample
 Sample(s) outside temperature criteria (PM/APM contacted by: _____)
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
 Sample(s) received at ambient temperature; placed on ice for transport by courier
 Ambient Temperature: Air Filter Checked by: 300

CUSTODY SEAL:

Cooler	<input type="checkbox"/> Present and Intact	<input type="checkbox"/> Present but Not Intact	<input checked="" type="checkbox"/> Not Present Envelop	<input type="checkbox"/> N/A	Checked by: 300
Sample(s)	<input type="checkbox"/> Present and Intact	<input type="checkbox"/> Present but Not Intact	<input checked="" type="checkbox"/> Not Present	<input type="checkbox"/> N/A	Checked by: 300

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
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 in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Container(s) for certain analysis free of headspace	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CONTAINER TYPE: (Trip Blank Lot Number: _____)			
Aqueous: <input type="checkbox"/> VOA <input type="checkbox"/> VOA _h <input type="checkbox"/> VOA _{na2} <input type="checkbox"/> 100PJ <input type="checkbox"/> 100PJ _{na2} <input type="checkbox"/> 125AGB <input type="checkbox"/> 125AGB _h <input type="checkbox"/> 125AGB _p <input type="checkbox"/> 125PB <input type="checkbox"/> 125PB _{znna} <input type="checkbox"/> 250AGB <input type="checkbox"/> 250CGB <input type="checkbox"/> 250CGB _s <input type="checkbox"/> 250PB <input type="checkbox"/> 250PB _n <input type="checkbox"/> 500AGB <input type="checkbox"/> 500AGJ <input type="checkbox"/> 500AGJ _s <input type="checkbox"/> 500PB <input type="checkbox"/> 1AGB <input type="checkbox"/> 1AGB _{na2} <input type="checkbox"/> 1AGB _s <input type="checkbox"/> 1PB <input type="checkbox"/> 1PB _{na} <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____			
Solid: <input type="checkbox"/> 4ozCGJ <input type="checkbox"/> 8ozCGJ <input type="checkbox"/> 16ozCGJ <input type="checkbox"/> Sleeve (_____) <input type="checkbox"/> EnCores® (_____) <input type="checkbox"/> TerraCores® (_____) <input checked="" type="checkbox"/> Pack of 4 jar			
Air: <input type="checkbox"/> Tedlar™ <input type="checkbox"/> Canister <input type="checkbox"/> Sorbent Tube <input type="checkbox"/> PUF <input type="checkbox"/> _____ Other Matrix (_____) <input type="checkbox"/> _____ <input type="checkbox"/> _____			
Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag			
Preservative: b = buffered, f = filtered, h = HCl, n = HNO ₃ , na = NaOH, na ₂ = Na ₂ S ₂ O ₃ , p = H ₃ PO ₄ , Labeled/Checked by: 300			
s = H ₂ SO ₄ , u = ultra-pure, znna = Zn(CH ₃ CO ₂) ₂ + NaOH Reviewed by: 300			

Additional sample for (-3).

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SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Don Burley
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

2. Article Number

(Transfer from service label)

7015 0640 0000 2580 4099

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (*Printed Name*)

C. Date of Delivery

D. Is delivery address different from Item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

- Certified Mail Express Mail
- Registered Return Receipt for Merchandise
- Insured Mail C.O.D.

4. Restricted Delivery? (*Extra Fee*)

Yes

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: Yolo County

DATE: 12/21/2015

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

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 21.4 °C (w/ CF): 21.0 °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

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 836

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 836

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 836

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples Yes No N/A

COC document(s) received complete Yes No N/A

Sampling date Sampling time Matrix Number of containers

No analysis requested Not relinquished No relinquished date No relinquished time

Sampler's name indicated on COC Yes No N/A

Sample container label(s) consistent with COC Yes No N/A

Sample container(s) intact and in good condition Yes No N/A

Proper containers for analyses requested Yes No N/A

Sufficient volume/mass for analyses requested Yes No N/A

Samples received within holding time Yes No N/A

Aqueous samples for certain analyses received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfide Dissolved Oxygen Yes No N/A

Proper preservation chemical(s) noted on COC and/or sample container Yes No N/A

Unpreserved aqueous sample(s) received for certain analyses

Volatile Organics Total Metals Dissolved Metals Yes No N/A

Container(s) for certain analysis free of headspace Yes No N/A

Volatile Organics Dissolved Gases (RSK-175) Dissolved Oxygen (SM 4500)

Carbon Dioxide (SM 4500) Ferrous Iron (SM 3500) Hydrogen Sulfide (Hach) Yes No N/A

Tedlar™ bag(s) free of condensation Yes No N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix Cigarettes: BOX _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 836

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 836

Additional sample for (-4)