



**MWH**

**LABORATORIES**

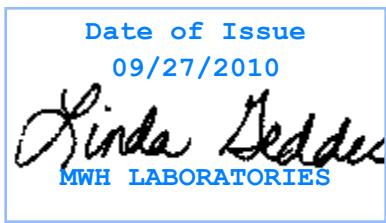
*A Division of MWH Americas, Inc.*

750 Royal Oak Dr., Suite 100  
Monrovia, California, 91016-3629  
Tel: 626 386 1100  
Fax: 626 386 1101  
1 800 566 LABS (1 800 566 5227)

**Laboratory Report**

for

Tronox LLC  
PO Box 55  
Henderson, NV 89009  
Attention: Susan Crowley  
Fax: 702-651-2310



LXG: Linda Geddes  
Project Manager



Report#: 343769  
Project: CWA-RCRA  
Group: Weekly CBOD

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

**Acknowledgement of Samples Received**

**Tronox LLC**

PO Box 55  
 Henderson, NV 89009  
 Attn: Susan Crowley  
 Phone: 702-651-2234

Customer Code: TRONOX  
 Group #: 343769  
 Project #: CWA-RCRA  
 Sample Group: Weekly CBOD  
 Project Manager: Linda Geddes  
 Phone: (626) 386-1163

The following samples were received from you on **September 16, 2010**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

| Sample #     | Sample Id        | Sample Date      |
|--------------|------------------|------------------|
| 201009160249 | Effluent         | 15-Sep-2010 1030 |
|              | Carbonaceous BOD |                  |
| 201009160250 | Influent         | 15-Sep-2010 1100 |
|              | Carbonaceous BOD |                  |

**Test Description**



Linda Geddes Your MWHL Project Manager

BO #: 22651

Created By: LXG

Order Date: 09/17/2010

Bottle Orders

Client Code TRONOX

Project Code CWA-RCRA Bottle Orders

Group Name Weekly CBOD

PO# / Job#

|               |
|---------------|
| Group#        |
| Date Sampled  |
| Date Received |

**Ship Sample Kits to**

Veolia Water-Tronox LLC  
 Gate 1  
 560 West Lake Mead Pkwy  
 Henderson, NV 89015  
 Attn: Wendy Prescott  
 Phone:  
 Fax:

**Send Report to**

Tronox LLC  
 PO Box 55  
 Henderson, NV 89009  
 Attn: Susan Crowley  
 Phone: 702-651-2234  
 Fax: 702-651-2310

**Billing Address**

Tronox LLC  
 PO Box 55  
 Henderson, NV 89009  
 Attn: Susan Crowley  
 Phone: 702-651-2234  
 Fax: 702-651-2310

|                        |
|------------------------|
| Ship By:<br>09/07/2010 |
|------------------------|

# of Samples Tests

2 Carcinaceous BOD

Qteline# Bottles - Qty for each sample, type & preservative if any

1 1L poly no preservative

UN DOT #

Comments

Weekly CBOD  
 INFLUENT  
 EFFLUENT

Code Status Date Shipped Via Tracking # # of Coolers Prepared By

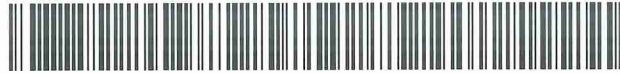
From: Origin ID: LASA (702) 651-2200  
Tronox  
Tronox  
560 W. Lake Mead Parkway  
Henderson, NV 89015



J10201008090225

Ship Date: 15SEP10  
ActWgt: 21.0 LB  
CAD: 100845654/INET3060

Delivery Address Bar Code

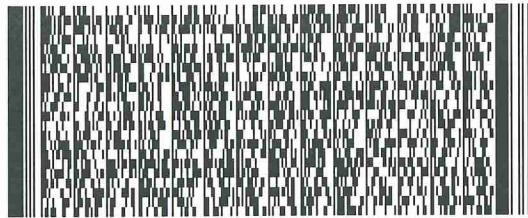


Ref # MSO #144463  
Invoice #  
PO #  
Dept #

SHIP TO: (626) 568-6400 **BILL SENDER**  
**Attn: Sample Receiving**  
**Montgomery Watson Labs**  
**750 ROYAL OAKS DR STE 100**  
  
**MONROVIA, CA 91016**

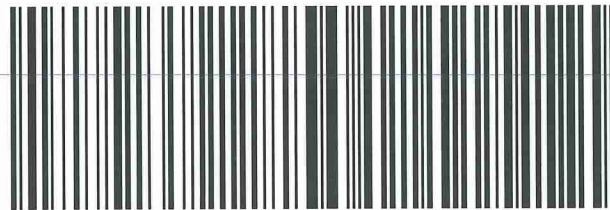
**THU - 16 SEP A1**  
**PRIORITY OVERNIGHT**

TRK# 7962 4602 4331  
0201



91016  
CA-US  
BUR

**QZ WHPA**



508G3/9292/9A24

**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 144463

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

**From: TRONOX LLC**

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

|  |   |   |  |
|--|---|---|--|
| CARRIER<br><b>Federal Express</b>  |   | Date<br><b>9/15/10</b>  | FROM NO. STATION: STATE<br><b>Henderson, NV 89015</b>  |
| MWH LABORATORIES<br>750 Royal Oaks Avenue, Suite #100<br>Monrovia, CA 91016-3629<br>Phone: 626-568-6400  |   | Authorization<br><b>S. Crowley</b>  |  |
| FREIGHT CHARGES<br><input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect  |   | FULL NAME OF SHIPPER<br><b>TRONOX LLC</b>   |  |
| N/A/R  |   | CUSTOMER PO OR REQ'N NO.  | CODE NO. <b>WCN IS</b><br><br><b>10181</b>   |
| N/A/R  |   | SHIPPED FROM<br><b>Henderson, NV</b>  | If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight. |
| LINE NO.   | DESCRIPTION AND CLASSIFICATION  | STOCK NO.   | TOTAL QUANTITY   |
|  | <b>Ice Chest with water samples<br/>Weekly Project 10-181,<br/>2 bottles – CBOD<br/><br/>1 from effluent and 1 from influent<br/><br/>One Ice chest @ 21 Lbs<br/><br/>Not Regulated</b> |   | <b>1 COOLER</b>  |
| TRUCK SHIPMENTS  |   | FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT<br>CALL CHEMTREC – DAY OR NIGHT<br>800-424-9300<br>483-7616 IN DISTRICT OF COLUMBIA<br>202-483-7616 FROM OUTSIDE THE CONTINENTAL US. |  |
| PLACARDS OFFERED   | <input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO  | PLACARDS ACCEPTED   | <input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO   |
| NUMBER OF PACKAGES   | GROSS WEIGHT  | TARE WEIGHT   | NET WEIGHT   |
|  |   | <b>0</b>  |  |
| <b>1</b>   | <b>TOTAL GROSS WEIGHT<br/>21</b>  | <b>TOTAL TARE WEIGHT<br/>0</b>  | <b>21</b>  |
| NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____ |   | "Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"  |  |
| THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.                                 |   |   |  |
| TRONOX LLC<br>Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859  | PER<br><b>Chuck Whitney</b>   | AGENT<br><br><b>6/12</b>  | PER  |

September 27, 2010

Ms. Susan Crowley  
Tronox  
PO Box 55  
Henderson, NV 89009

Subject: Case Narrative report 343769

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on September 16, 2010 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

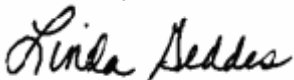
Case Narrative:  
For the MWH Laboratories data the following issues were observed:

LCS1 Recovery was just below method limits at 82%. Since LCS2 recovery was acceptable the data was reported with an L4 flag. The seed depletion was below lab and method acceptance criteria. Data is flagged KA.

Other Observations:

There were no other observations on this sample set.

Sincerely,



Linda Geddes  
Project Manager



**MWH**

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**Laboratory Comments  
Report: #343769**

Tronox LLC  
Susan Crowley  
PO Box 55  
Henderson, NV 89009

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**Client specific Comments**

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: 

**Group Comments**

LCS1 Recovery was just below method limits at 82%. Since LCS2 recovery was acceptable the data was reported with an L4 flag. The seed depletion was below lab and method acceptance criteria. Data is flagged KA.

**Flags Legend:**

K6 - Glucose/glutamic acid BOD/CBOD was below method acceptance criteria.

KA - The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.





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**Tronox LLC**  
Susan Crowley  
PO Box 55  
Henderson, NV 89009

**Laboratory**  
**Hits Report: 343769**

Samples Received on:  
09/16/2010

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| <b>Analyzed</b> | <b>Analyte</b> | <b>Sample ID</b> | <b>Result</b> | <b>Federal<br/>MCL</b> | <b>Units</b> | <b>MRL</b> |
|-----------------|----------------|------------------|---------------|------------------------|--------------|------------|
|-----------------|----------------|------------------|---------------|------------------------|--------------|------------|

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**Laboratory Data**  
**Report: 343769**

**Tronox LLC**  
Susan Crowley  
PO Box 55  
Henderson, NV 89009

Samples Received on:  
09/16/2010

| Prepared                              | Analyzed | QC Ref # | Method     | Analyte          | Result    | Units | MDL                               | MRL | SQL | Dilution |  |
|---------------------------------------|----------|----------|------------|------------------|-----------|-------|-----------------------------------|-----|-----|----------|--|
| <b><u>Effluent (201009160249)</u></b> |          |          |            |                  |           |       | <b>Sampled on 09/15/2010 1030</b> |     |     |          |  |
| <b>SM 5210B - Carbonaceous BOD</b>    |          |          |            |                  |           |       |                                   |     |     |          |  |
| 09/16/2010                            | 13:30    | 570061   | (SM 5210B) | Carbonaceous BOD | ND(K6,KA) | mg/L  | 3                                 | 3   | 3.0 | 1        |  |
| <b><u>Influent (201009160250)</u></b> |          |          |            |                  |           |       | <b>Sampled on 09/15/2010 1100</b> |     |     |          |  |
| <b>SM 5210B - Carbonaceous BOD</b>    |          |          |            |                  |           |       |                                   |     |     |          |  |
| 09/16/2010                            | 13:29    | 570061   | (SM 5210B) | Carbonaceous BOD | ND(K6,KA) | mg/L  | 3                                 | 3   | 3.0 | 1        |  |



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Laboratory  
QC Summary: 343769

Tronox LLC

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**QC Ref # 570061 - Carbonaceous BOD**

|              |          |
|--------------|----------|
| 201009160249 | Effluent |
| 201009160250 | Influent |

**Analysis Date: 09/16/2010**

Analyzed by: YXP  
Analyzed by: YXP



# MWH

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Laboratory  
QC Report: 343769

Tronox LLC

| QC Type  | Analyte          | Native | Spiked | Recovered | Units                            | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|--|------------------|--------|--------|-----------|----------------------------------|-----------|------------|--------------|------|
| <b>QC Ref# 570061 - Carbonaceous BOD by SM 5210B</b> |                  |        |        |           | <b>Analysis Date: 09/16/2010</b> |           |            |              |      |
| DUP1_201009160249                                    | Carbonaceous BOD | ND     |        | 2.76      | mg/L                             |           | (0-15)     | 15           | 6.4  |
| LCS1   | Carbonaceous BOD |        | 198    | 162       | mg/L                             | <u>82</u> | (85-115)   |              |      |
| LCS2   | Carbonaceous BOD |        | 198    | 167       | mg/L                             | 85        | (85-115)   |              |      |
| MBLK   | Carbonaceous BOD |        |        | <0.2      | mg/L                             |           |            |              |      |

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates

are advisory only, unless otherwise specified in the method.

(S) Indicates surrogate compound.

12/12

(I) Indicates internal standard compound.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)