



MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, 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 - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Jun 25 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 270794
Project: CLO4
PO#: Susan Crowle

This report shall not be reproduced except in full, without the written approval of the laboratory. 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 Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 10 page[s].



MWH

BUILDING A BETTER WORLD

June 25, 2009

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

Subject: Case Narrative report 270794

Sample receipt: The samples arrived at MWH on May 14, 2009, 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:

One LCS for perchlorate was misinjected so there is only data available for one LCS.

Note that for ion chromatography tests such as perchlorate, the exact analysis time is not shown on the report. Only the date of analysis appears. The time normally defaults to 00:00.

If you have any questions, do not hesitate to contact us.

Sincerely yours,

Andrew Eaton, PhD
Project Manager



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

270794

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

M/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JTB

SAMPLE TEMP, RECEIPT AT LAB: 27/5

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

| COMPANY / PROJECT NAME KERRMCGEE-MP | | PROJECT JOB # / P.O.# Collection Wells Fields - Monthly - SO #12374 | | REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES <input checked="" type="checkbox"/> (check for yes) | | | | | | | | |
|--|---------|--|-----------------------|--|------|------|-----------------|-----|--------|-----------------|-----------------|------------------|
| SAMPLER: Michele Brown Susan Crowley (702) 651-2200 | | Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009 | | ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line) | | | | | | | | |
| TIME | DATE | LOCATION | IDENTIFIER, STATE ID# | MATRIX * | GRAB | COMP | CL ₂ | TDS | CR6010 | CL ₃ | NO ₃ | SAMPLER COMMENTS |
| 644 | 5-13-09 | | PC-101R | RSW | X | | X | X | X | | | |
| 831 | 5-13-09 | | PC-18 | RSW | X | | X | X | X | | | |
| 944 | 5-13-09 | | PC-55 | RSW | X | | X | X | X | | | |
| 813 | 5-13-09 | | ARP-1 | RSW | X | | X | X | X | | | |
| 1756 | 5-13-09 | | L-6335 | RSW | X | | X | X | X | | | |
| 6233 | 5-13-09 | | PC-92 | RSW | X | | X | X | X | | | |
| 1707 | 5-13-09 | | PC-122 | RSW | X | | X | X | X | | | |

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

SIGNATURE

RELINQUISHED BY: Michele Brown
RECEIVED BY: JTB
RELINQUISHED BY:

PRINT NAME

Michele Brown

COMPANY/TITLE

Veolia Water for Tronox LLC - Henderson Plant

TIME

1200pm

DATE

5/13/2009



MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson Standing

Andrew Eaton, Your MWL Project Manager
(626) 386-1125 Direct Phone/Voice Mail

Client Code KERRMCGEE-MP M Monthly Period
Project Code CLO4
PO# / Job# GWREMEDICATION
Blanket PO

SO# 29568

Sampler: Please Return this Paper with your samples

0 Ship Sample Kits to
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

Billing Address

Kerr McGee Henderson Plant
P.O. Box 55
Henderson, NV 89009

Send Report to
Kerr McGee Henderson Plant
P.O. Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Quote#

of Samples Tests

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

UN#

Important Comments

41 CLO4, EC9050

1 125ml poly /no preservative

These sites are monthly till further notice.

see comments section

SHEET OF LABELS WITH WELL-IDS

- PC-86, PC-89, PC-91, PC-95,
- PC-97, PC-10, PC-12, PC-17,
- PC-18, PC-55, PC-101R
- L-635, L-637
- MW-K2, MW-K4
- ARP-1, ARP-2, ARP-3, ARP-4
- ARP-5, ARP-6, ARP-7, PC-53
- PC-103, MW-K5, M-83
- M-87, PC-98R, PC-56, PC-58;
- PC-59, PC-60, PC-62, PC-68,
- PC-122

Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on

EXTRA BOTTLES INCLUDED

client code changed 7/25/03

bottle order and IDs updated 9/9/03
testcodes updated 3-16-06

ActiveCode Site# Date Shipped Carrier Qty of Coolers Tracking Num Prepared By



MWH Laboratories, a Division of MWH Americas, Inc.
 750 Royal Oaks Avenue Suite 100
 Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson Page 1 of 37074

Andrew Eaton, Your MWL Project Manager
 (626) 386-1125 Direct Phone/Voice Mail

Client Code KERRMCGEE-MP Q Quarterly Period
 Project Code CLO4
 PO# / Job#
 Blanket PO

SO# 37074 18486 RS

Sampler: Please Return this Paper with your samples

Created by 0 Ship Sample Kits to

Order Date 07/03/07

Date Needed by Client

Kerr McGee
 8000 West Lake Mead Drive
 Henderson, NV 89015

Date Samples to Arrive at MWL

SHIP/LOCATION

Send Report to

Kerr McGee Henderson Plant
 P.O. Box 55
 Henderson, NV 89009

Send Report to

Kerr McGee Henderson Plant
 P.O. Box 55
 Henderson, NV 89009

ATTN: Susan Crowley
 PHONE: 702-651-2234

ATTN: Susan Crowley
 PHONE: 702-651-2234
 FAX: 702-651-2310

Quote#

of Samples Tests

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

UN#

Important Comments

| # of Samples | Tests | Bottles-Qty for each sample, type & preservative if any | UN# | Important Comments |
|--------------|-------|---|---------|---------------------------------------|
| 70 | CR | 1 250ml poly acid rinsed + 1ml HNO3 (18%) | UN 2031 | PLEASE SHIP WITH STANDING ORDER 12374 |

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

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: 143705

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 Federal Express | | Date 5/13/09 | FROM NO. STATION: STATE Henderson, NV 89015 | |
| MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400 | | | Authorization M. Skromyda | |
| FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect | | FULL NAME OF SHIPPER TRONOX LLC CODE NO. WCN IS 1321.10181 | | |
| N/AR | | CUSTOMER PO OR REQ'N NO. | SHIPPED FROM Henderson, NV | |
| LINE NO. | DESCRIPTION AND CLASSIFICATION | STOCK NO. | TOTAL QUANTITY | |
| | Ice Chest with water samples Monthly ARP and PC Well Samples One Ice Chest @ 32 lbs | | 1 Cooler | Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. TRONOX LLC |
| | | | The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement. | |
| TRUCK SHIPMENTS | | FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US. | | |
| PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | |
| NUMBER OF PACKAGES | GROSS WEIGHT | TARE WEIGHT | NET WEIGHT | |
| | | 0 | | |
| 1 | TOTAL GROSS WEIGHT 32 | TOTAL TARE WEIGHT 0 | 32 | |
| 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 Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859 | | PER Carron Williams | AGENT | PER |

From: Origin ID: LASA (702) 651-2230
 TRONOX LLC
 TRONOX LLC
 8000 LAKE MEAD PARKWAY
 SHIPPING DEPARTMENT
 HENDERSON, NV 89015



J50140901302023

Ship Date: 13MAY09
 Act/Wgt: 32.0 LB
 CAD: 2274147/INET9011
 Account#: S*****

Delivery Address Bar Code



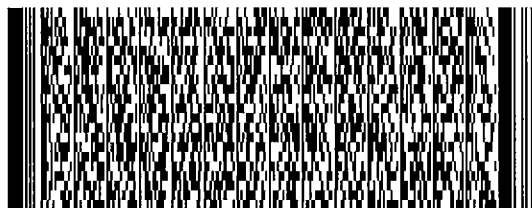
Ref # MSO #143705
 Invoice #
 PO #
 Dept #

SHIP TO: (626) 568-6400 BILL SENDER
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 91016

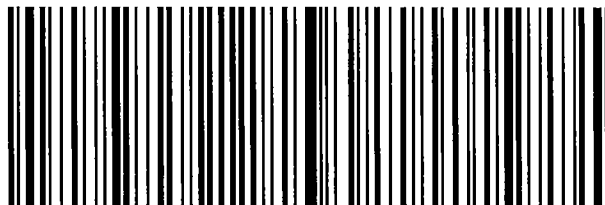
THU - 14MAY A2
PRIORITY OVERNIGHT

TRK# 7966 0308 3740
 0201



QZ WHPA

91016
CA-US
BUR



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.

MWH Laboratories
 750 Royal Oaks Drive, Monrovia, CA 91016
 PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: KERRMCGEE-MP
 PO#: Susan Crowley PO
 Group#: 270794
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **05/14/09**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

| Sample# | Sample Id | Tests Scheduled | Matrix | Sample Date |
|------------|-----------|-----------------|-----------|-----------------------------|
| 2905140258 | PC-101R | CLO4 CR6010 | Water P T | 13-may-2009 06:44:00 TDS |
| 2905140259 | PC-18 | CLO4 CR6010 | Water P T | 13-may-2009 08:31:00 TDS |
| 2905140260 | PC-55 | CLO4 CR6010 | Water P T | 13-may-2009 09:44:00 TDS |
| 2905140261 | ARP-1 | CLO4 CR6010 | Water P T | 13-may-2009 08:13:00 TDS |
| 2905140262 | L-635 | CLO4 CR6010 | Water P T | 13-may-2009 07:56:00 TDS |
| 2905140263 | PC-92 | CLO4 CR6010 | Water P T | 13-may-2009 06:23:00 TDS |
| 2905140264 | PC-122 | CLO4 CR6010 | Water P T | 13-may-2009 07:07:00 TDS |

Test Acronym Description

| Test Acronym | Description |
|--------------|-----------------------------|
| CLO4 | Perchlorate |
| CR6010 | Chromium, Total, ICAP |
| P | Metals sample pH |
| T | Metals Turbidity |
| TDS | Total Dissolved Solid (TDS) |




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Report
Comments
#270794

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

(CLO4) LCS misinjected. Method requires only 1 LCS. Precision can be assessed from the MS/MSD recoveries and other QCs.



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Laboratory
Hits Report
#270794

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

Samples Received
14-may-2009 22:51:20

| Analyzed | Sample# | Sample ID | Result | Federal MCL | UNITS | MRL |
|----------|-----------------------------|----------------|--------|----------------|--------|-------|
| | 2905140258 | PC-101R | | | | |
| 06/07/09 | Chromium, Total, ICAP | | 0.088 | | mg/l | 0.020 |
| 05/27/09 | Perchlorate | | 190000 | | ug/l | 20000 |
| 05/20/09 | Total Dissolved Solid (TDS) | | 10300 | 500 | mg/l | 10 |
| | 2905140259 | PC-18 | | | | |
| 06/07/09 | Chromium, Total, ICAP | | 0.14 | | mg/l | 0.020 |
| 06/08/09 | Metals digestion performed. | | Y | | Yes/No | |
| 05/28/09 | Perchlorate | | 188000 | | ug/l | 20000 |
| 05/20/09 | Total Dissolved Solid (TDS) | | 10000 | 500 | mg/l | 10 |
| | 2905140260 | PC-55 | | | | |
| 05/28/09 | Perchlorate | | 806 | | ug/l | 80 |
| 05/20/09 | Total Dissolved Solid (TDS) | | 8300 | 500 | mg/l | 10 |
| | 2905140261 | ARP-1 | | | | |
| 06/07/09 | Chromium, Total, ICAP | | 0.12 | | mg/l | 0.020 |
| 06/08/09 | Metals digestion performed. | | Y | | Yes/No | |
| 05/28/09 | Perchlorate | | 1550 | | ug/l | 80 |
| 05/20/09 | Total Dissolved Solid (TDS) | | 6560 | 500 | mg/l | 10 |
| | 2905140262 | L-635 | | | | |
| 05/28/09 | Perchlorate | | 12 | | ug/l | 10 |
| 05/20/09 | Total Dissolved Solid (TDS) | | 7760 | 500 | mg/l | 10 |
| | 2905140263 | PC-92 | | | | |

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#270794

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

Samples Received
14-may-2009 22:51:20

| Analyzed | Sample# | Sample ID | Result | Federal MCL | UNITS | MRL |
|----------|-----------------------------|-----------|--------|----------------|-------|-------|
| | 2905140263 | PC-92 | | | | |
| 06/04/09 | Perchlorate | | 2590 | | ug/l | 200 |
| 05/20/09 | Total Dissolved Solid (TDS) | | 3410 | 500 | mg/l | 10 |
| | 2905140264 | PC-122 | | | | |
| 06/07/09 | Chromium, Total, ICAP | | 0.084 | | mg/l | 0.020 |
| 05/28/09 | Perchlorate | | 10700 | | ug/l | 800 |
| 05/20/09 | Total Dissolved Solid (TDS) | | 8550 | 500 | mg/l | 10 |

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#270794

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

Samples Received
05/14/09

| Prepared | Analyzed | QC Ref# | Method | Analyte | Result | Units | MRL | Dilution |
|--|----------------|---------|-------------------|-----------------------------|--------|--------|-------|----------|
| PC-101R (2905140258) Sampled on 05/13/09 06:44 | | | | | | | | |
| | 05/27/09 19:55 | 486213 | (EPA 314) | Perchlorate | 190000 | ug/l | 20000 | 5000 |
| 06/01/09 | 06/07/09 00:00 | 487102 | (ML/EPA 6010B) | Chromium, Total, ICAP | 0.088 | mg/l | 0.020 | 2 |
| 05/20/09 | 05/20/09 19:35 | 485818 | (E160.1/SM2540C) | Total Dissolved Solid (TDS) | 10300 | mg/l | 10 | 1 |
| PC-18 (2905140259) Sampled on 05/13/09 08:31 | | | | | | | | |
| | 05/28/09 00:00 | 486172 | (EPA 314) | Perchlorate | 188000 | ug/l | 20000 | 5000 |
| 06/01/09 | 06/07/09 00:00 | 487102 | (ML/EPA 6010B) | Chromium, Total, ICAP | 0.14 | mg/l | 0.020 | 2 |
| | 06/08/09 13:47 | | (EPA 200 Prep) | Metals digestion performed. | Y | Yes/No | 0 | 1 |
| 05/20/09 | 05/20/09 19:35 | 485818 | (E160.1/SM2540C) | Total Dissolved Solid (TDS) | 10000 | mg/l | 10 | 1 |
| PC-55 (2905140260) Sampled on 05/13/09 09:44 | | | | | | | | |
| | 05/28/09 00:00 | 486172 | (EPA 314) | Perchlorate | 806 | ug/l | 80 | 20 |
| 06/01/09 | 06/07/09 00:00 | 487102 | (ML/EPA 6010B) | Chromium, Total, ICAP | ND | mg/l | 0.020 | 2 |
| 05/20/09 | 05/20/09 19:35 | 485818 | (E160.1/SM2540C) | Total Dissolved Solid (TDS) | 8300 | mg/l | 10 | 1 |
| ARP-1 (2905140261) Sampled on 05/13/09 08:13 | | | | | | | | |
| | 05/28/09 00:00 | 486172 | (EPA 314) | Perchlorate | 1550 | ug/l | 80 | 20 |
| 06/01/09 | 06/07/09 00:00 | 487102 | (ML/EPA 6010B) | Chromium, Total, ICAP | 0.12 | mg/l | 0.020 | 2 |
| | 06/08/09 13:47 | | (EPA 200 Prep) | Metals digestion performed. | Y | Yes/No | 0 | 1 |
| 05/20/09 | 05/20/09 19:35 | 485818 | (E160.1/SM2540C) | Total Dissolved Solid (TDS) | 6560 | mg/l | 10 | 1 |
| L-635 (2905140262) Sampled on 05/13/09 07:56 | | | | | | | | |
| | 05/28/09 07:30 | 486373 | (EPA 314) | Perchlorate | 12 | ug/l | 10 | 5 |
| 06/15/09 | 06/17/09 00:00 | 488229 | (ML/EPA 6010B) | Chromium, Total, ICAP | ND | mg/l | 0.010 | 1 |
| 05/20/09 | 05/20/09 19:35 | 485818 | (E160.1/SM2540C) | Total Dissolved Solid (TDS) | 7760 | mg/l | 10 | 1 |



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1 800 566 LABS (1 800 566 5227)

Laboratory
Data Report
#270794

Tronox LLC - Henderson
(continued)

| Prepared | Analyzed | QC Ref# | Method | Analyte | Result | Units | MRL | Dilution |
|----------------------------|----------------|---------|-------------------|----------------------------------|--------|-------|-------|----------|
| PC-92 (2905140263) | | | | Sampled on 05/13/09 06:23 | | | | |
| | 06/04/09 15:41 | 487101 | (EPA 314) | Perchlorate | 2590 | ug/l | 200 | 50 |
| 06/15/09 | 06/17/09 00:00 | 488229 | (ML/EPA 6010B) | Chromium, Total, ICAP | ND | mg/l | 0.010 | 1 |
| 05/20/09 | 05/20/09 19:35 | 485818 | (E160.1/SM2540C) | Total Dissolved Solid (TDS) | 3410 | mg/l | 10 | 1 |
| PC-122 (2905140264) | | | | Sampled on 05/13/09 07:07 | | | | |
| | 05/28/09 00:00 | 486172 | (EPA 314) | Perchlorate | 10700 | ug/l | 800 | 200 |
| 06/01/09 | 06/07/09 00:00 | 487102 | (ML/EPA 6010B) | Chromium, Total, ICAP | 0.084 | mg/l | 0.020 | 2 |
| 05/20/09 | 05/20/09 19:35 | 485818 | (E160.1/SM2540C) | Total Dissolved Solid (TDS) | 8550 | mg/l | 10 | 1 |



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Laboratory
QC Summary
#270794

Tronox LLC - Henderson

QC Ref #485818 - Total Dissolved Solid (TDS) Analysis Date: 05/20/2009

| | |
|------------|---------|
| 2905140258 | PC-101R |
| 2905140259 | PC-18 |
| 2905140260 | PC-55 |
| 2905140261 | ARP-1 |
| 2905140262 | L-635 |
| 2905140263 | PC-92 |
| 2905140264 | PC-122 |

QC Ref #486172 - Perchlorate Analysis Date: 05/28/2009

| | |
|------------|--------|
| 2905140259 | PC-18 |
| 2905140260 | PC-55 |
| 2905140261 | ARP-1 |
| 2905140264 | PC-122 |

QC Ref #486213 - Perchlorate Analysis Date: 05/27/2009

| | |
|------------|---------|
| 2905140258 | PC-101R |
|------------|---------|

QC Ref #486373 - Perchlorate Analysis Date: 05/28/2009

| | |
|------------|-------|
| 2905140262 | L-635 |
|------------|-------|

QC Ref #487101 - Perchlorate Analysis Date: 06/04/2009

| | |
|------------|-------|
| 2905140263 | PC-92 |
|------------|-------|

QC Ref #487102 - Chromium, Total, ICAP Analysis Date: 06/07/2009

| | |
|------------|---------|
| 2905140258 | PC-101R |
| 2905140259 | PC-18 |
| 2905140260 | PC-55 |
| 2905140261 | ARP-1 |
| 2905140264 | PC-122 |



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Laboratory
QC Summary
#270794

Tronox LLC - Henderson
(continued)

QC Ref #488229 - Chromium, Total, ICAP

Analysis Date: 06/17/2009

| | |
|------------|-------|
| 2905140262 | L-635 |
| 2905140263 | PC-92 |



Tronox LLC - Henderson

QC Ref #485818 Total Dissolved Solid (TDS)

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|-----------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 29 | 05140263 | MGL | | (0-0) | |
| DUP | Total Dissolved Solid (TDS) | 3480 | 3410 | MGL | | (0-10) | 2.0 |
| LCS1 | Total Dissolved Solid (TDS) | 175 | 180 | MGL | 102.9 | (80-114) | |
| LCS2 | Total Dissolved Solid (TDS) | 700 | 680 | MGL | 97.1 | (80-114) | |
| MBLK | Total Dissolved Solid (TDS) | ND | <10 | MGL | | | |
| MRL_CHK | Total Dissolved Solid (TDS) | 10.0 | 13 | MGL | 130.0 | (50-150) | |
| RPD_LCS | Total Dissolved Solid (TDS) | 102.857 | 97.143 | MGL | 5.7 | (0-20) | |

QC Ref #486172 Perchlorate

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|---------------|----------|-----------|-------|-----------|------------|---------|
| MS | Spiked sample | Lab # 29 | 05210015 | UGL | | (0-0) | |
| LCS2 | Perchlorate | 25.0 | 23.8 | UGL | 95.2 | (85-115) | |
| LCS3 | Perchlorate | 4 | 3.39 | UGL | 84.8 | (75-125) | |
| MBLK | Perchlorate | ND | <4.0 | UGL | | | |
| MS | Perchlorate | 25.0 | 25.1 | UGL | 100.4 | (80-120) | |
| MSD | Perchlorate | 25.0 | 28.4 | UGL | 113.6 | (80-120) | |
| RPD_LCS | Perchlorate | | 95.200 | UGL | | (0-15) | |
| RPD_MS | Perchlorate | 100.400 | 113.600 | UGL | 1.1 | (0-15) | |

QC Ref #486213 Perchlorate

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|---------------|----------|-----------|-------|-----------|------------|---------|
| MS | Spiked sample | Lab # 29 | 05160035 | UGL | | (0-0) | |
| LCS1 | Perchlorate | 25.0 | 25.1 | UGL | 100.4 | (85-115) | |
| LCS2 | Perchlorate | 25.0 | 25.1 | UGL | 100.4 | (85-115) | |
| LCS3 | Perchlorate | 4 | 3.90 | UGL | 97.5 | (75-125) | |
| MBLK | Perchlorate | ND | <4.0 | UGL | | | |
| MS | Perchlorate | 25.0 | 26.9 | UGL | 107.6 | (80-120) | |
| MSD | Perchlorate | 25.0 | 25.1 | UGL | 100.4 | (80-120) | |
| RPD_LCS | Perchlorate | 100.400 | 100.400 | UGL | 0.0 | (0-15) | |

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.

Tronox LLC - Henderson
 (continued)

| | | | | | | |
|--------|-------------|---------|---------|-----|-----|----------|
| RPD_MS | Perchlorate | 107.600 | 100.400 | UGL | 0.9 | (0-15) |
|--------|-------------|---------|---------|-----|-----|----------|

QC Ref #486373 Perchlorate

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|---------------|----------|-----------|-------|-----------|------------|---------|
| MS | Spiked sample | Lab # 29 | 05120284 | UGL | | (0-0) | |
| LCS1 | Perchlorate | 25.0 | 25.5 | UGL | 102.0 | (85-115) | |
| LCS2 | Perchlorate | 25.0 | 25.5 | UGL | 102.0 | (85-115) | |
| LCS3 | Perchlorate | 4 | 4.45 | UGL | 111.2 | (75-125) | |
| MBLK | Perchlorate | ND | <4.0 | UGL | | | |
| MS | Perchlorate | 25.0 | 25.4 | UGL | 101.6 | (80-120) | |
| MSD | Perchlorate | 25.0 | 25.3 | UGL | 101.2 | (80-120) | |
| RPD_LCS | Perchlorate | 102.000 | 102.000 | UGL | 0.0 | (0-15) | |
| RPD_MS | Perchlorate | 101.600 | 101.200 | UGL | 1.0 | (0-15) | |

QC Ref #487101 Perchlorate

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|---------------|----------|-----------|-------|-----------|------------|---------|
| MS | Spiked sample | Lab # 29 | 05130175 | UGL | | (0-0) | |
| LCS1 | Perchlorate | 25.0 | 24.0 | UGL | 96.0 | (85-115) | |
| LCS2 | Perchlorate | 25.0 | 23.6 | UGL | 94.4 | (85-115) | |
| LCS3 | Perchlorate | 4 | 3.06 | UGL | 76.5 | (75-125) | |
| MBLK | Perchlorate | ND | <4.0 | UGL | | | |
| MS | Perchlorate | 25.0 | 25.4 | UGL | 101.6 | (80-120) | |
| MSD | Perchlorate | 25.0 | 25.0 | UGL | 100.0 | (80-120) | |
| RPD_LCS | Perchlorate | 96.000 | 94.400 | UGL | 1.7 | (0-15) | |
| RPD_MS | Perchlorate | 101.600 | 100.000 | UGL | 1.0 | (0-15) | |

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Laboratory
QC Report
#270794

Tronox LLC - Henderson
(continued)

QC Ref #487102

Chromium, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|-----------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 29 | 05060129 | MGL | | (0-0) | |
| LCS1 | Chromium, Total, ICAP | 1.00 | 1.05 | MGL | 105.0 | (85-115) | |
| LCS2 | Chromium, Total, ICAP | 1.00 | 1.03 | MGL | 103.0 | (85-115) | |
| MBLK | Chromium, Total, ICAP | ND | <0.010 | MGL | | | |
| MRL_CHK | Chromium, Total, ICAP | 0.010 | 0.0103 | MGL | 103.0 | (50-150) | |
| MS | Chromium, Total, ICAP | 1.00 | 0.911 | MGL | 91.1 | (70-130) | |
| MS2 | Chromium, Total, ICAP | 1.00 | 0.978 | MGL | 97.8 | (70-130) | |
| MSD | Chromium, Total, ICAP | 1.00 | 0.921 | MGL | 92.1 | (70-130) | |
| MSD2 | Chromium, Total, ICAP | 1.00 | 0.937 | MGL | 93.7 | (70-130) | |

QC Ref #488229

Chromium, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|-----------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 29 | 06020044 | MGL | | (0-0) | |
| LCS1 | Chromium, Total, ICAP | 1.00 | 1.01 | MGL | 101.0 | (85-115) | |
| LCS2 | Chromium, Total, ICAP | 1.00 | 1.07 | MGL | 107.0 | (85-115) | |
| MBLK | Chromium, Total, ICAP | ND | <0.010 | MGL | | | |
| MRL_CHK | Chromium, Total, ICAP | 0.010 | 0.0103 | MGL | 103.0 | (50-150) | |
| MS | Chromium, Total, ICAP | 1.00 | 1.00 | MGL | 100.0 | (70-130) | |
| MS2 | Chromium, Total, ICAP | 1.00 | 1.05 | MGL | 105.0 | (70-130) | |
| MSD | Chromium, Total, ICAP | 1.00 | 1.02 | MGL | 102.0 | (70-130) | |
| MSD2 | Chromium, Total, ICAP | 1.00 | 0.99 | MGL | 99.0 | (70-130) | |

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are advisory only, unless otherwise specified in the method.