



MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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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
Nov 04 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 257000
Project: CLO4
PO#: Susan Crowle

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 31 page[s].



BUILDING A BETTER WORLD

November 5, 2008

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

Subject: Case Narrative report 257000

Enclosed is MWH Laboratories Report 257000

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on October 17, 2008 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:

For perchlorate one LCS was recovered slightly low due to baseline issues. All other batch QC was acceptable.

For TDS one MRL_check was prepared incorrectly and data were not used.

Ion chromatography analyses do not show actual analysis time for samples with holding times of >72 hours. Instead they show the time of first injection on a batch or 00:00.

Sincerely,

A handwritten signature in cursive script that reads "Andrew Eaton".

Andrew Eaton, PhD
Project Manager

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#: 257000
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **10/17/08**. 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 |
|------------|------------------|-----------------|---------|----------------------|
| 2810180008 | STABILIZED WATER | | Water | 16-oct-2008 10:00:00 |
| | @VOAPP | AG-MS | AL-MS | ALK |
| | B | BA-MS | BALANCE | BE-MS |
| | CD-MS | CL | CLO4 | CO3 |
| | EC | F | FE | HCO3 |
| | MG | MN-MS | NA | NI-MS |
| | P | PB-MS | PH | SB-MS |
| | T | TDS | TL-MS | WCN |
| | | | | ANION1 |
| | | | | AS-MS |
| | | | | CA |
| | | | | CR-MS |
| | | | | CU-MS |
| | | | | K |
| | | | | NO3 |
| | | | | OH |
| | | | | SO4 |
| | | | | ZN |

Test Acronym Description

| Test Acronym | Description |
|--------------|------------------------------|
| @VOAPP | Volatile Organics HSL |
| AG-MS | Silver, Total, ICAP/MS |
| AL-MS | Aluminum, Total, ICAP/MS |
| ALK | Alkalinity in CaCO3 units |
| ANION1 | Anion Sum - Calculated |
| AS-MS | Arsenic, Total, ICAP/MS |
| B | Boron, Total, ICAP |
| BA-MS | Barium, Total, ICAP/MS |
| BALANCE | Ionic Balance - Calculated |
| BE-MS | Beryllium, Total, ICAP/MS |
| CA | Calcium, Total, ICAP |
| CATION1 | Cation Sum - Calculated |
| CD-MS | Cadmium, Total, ICAP/MS |
| CL | Chloride |
| CLO4 | Perchlorate |
| CO3 | Carbonate as CO3, Calculated |
| CR-MS | Chromium, Total, ICAP/MS |
| CU-MS | Copper, Total, ICAP/MS |
| EC | Specific Conductance |
| F | Fluoride |
| FE | Iron, Total, ICAP |

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Phone: (626) 386-1125

Test Acronym Description

| Test Acronym | Description |
|--------------|----------------------------------|
| HCO3 | Bicarb. Alkalinity as HCO3, calc |
| HG | Mercury |
| K | Potassium, Total, ICAP |
| MG | Magnesium, Total, ICAP |
| MN-MS | Manganese, Total, ICAP/MS |
| NA | Sodium, Total, ICAP |
| NI-MS | Nickel, Total, ICAP/MS |
| NO3 | Nitrate as Nitrogen by IC |
| OH | Hydroxide as OH, Calculated |
| P | Metals sample pH |
| PB-MS | Lead, Total, ICAP/MS |
| PH | PH (H3=past HT, not compliant) |
| SB-MS | Antimony, Total, ICAP/MS |
| SE-MS | Selenium, Total, ICAP/MS |
| SO4 | Sulfate |
| T | Metals Turbidity |
| TDS | Total Dissolved Solid (TDS) |
| TL-MS | Thallium, Total, ICAP/MS |
| WCN | Weak Acid Dissociable Cyanide |
| ZN | Zinc, Total, ICAP |



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Report
Comments
#257000

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: *A. Eaton*

(QC Ref#: 2810180008)

Test: Perchlorate (EPA 314)

L4 - The associated blank spike recovery was below method acceptance limits.

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

(TDS) Data acceptable for compliance based on passing 1st MRL Check and LCSs. 2nd MRL Check was made with incorrect chemical.



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Laboratory
 Hits Report
 #257000

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

Samples Received
 17-oct-2008 12:30:00

| Analyzed | Sample# | Sample ID | Result | Federal MCL | UNITS | MRL |
|----------|------------|----------------------------------|--------|-------------|---------|--------|
| | 2810180008 | STABILIZED WATER | | | | |
| 10/29/08 | | Chloroform (Trichloromethane) | 1.4 | | ug/l | 0.5 |
| 10/29/08 | | Dichlorobromomethane | 0.8 | | ug/l | 0.5 |
| 10/29/08 | | Alkalinity in CaCO3 units | 142 | | mg/l | 2.0 |
| 10/29/08 | | Anion Sum - Calculated | 11. | | meq/l | 0.0010 |
| 10/28/08 | | Arsenic, Total, ICAP/MS | 2.3 | 10 | ug/l | 1.0 |
| 10/28/08 | | Barium, Total, ICAP/MS | 120 | 2000 | ug/l | 2.0 |
| 10/29/08 | | Bicarb. Alkalinity as HCO3, calc | 171. | | mg/l | 2.0 |
| 10/17/08 | | Boron, Total, ICAP | 0.14 | | mg/l | 0.050 |
| 10/17/08 | | Calcium, Total, ICAP | 59 | | mg/l | 1.0 |
| 10/29/08 | | Carbonate as CO3, Calculated | 4.4 | | mg/l | 2.0 |
| 10/21/08 | | Cation Sum - Calculated | 10. | | meq/l | 0.0010 |
| 10/17/08 | | Chloride | 92 | 250 | mg/l | 5.0 |
| 10/28/08 | | Copper, Total, ICAP/MS | 76 | 1300 | ug/l | 2.0 |
| 10/21/08 | | Fluoride | 0.30 | 4 | mg/l | 0.050 |
| 10/17/08 | | Iron, Total, ICAP | 0.027 | 0.3 | mg/l | 0.020 |
| 10/17/08 | | Magnesium, Total, ICAP | 35 | | mg/l | 0.10 |
| 10/28/08 | | Nickel, Total, ICAP/MS | 14 | | ug/l | 5.0 |
| 10/17/08 | | PH (H3=past HT, not compliant) | 8.6 | 6.5-8.5 | Units | 0.010 |
| 10/17/08 | | Potassium, Total, ICAP | 5.2 | | mg/l | 1.0 |
| 10/17/08 | | Sodium, Total, ICAP | 97 | | mg/l | 1.0 |
| 10/22/08 | | Specific Conductance | 1000 | | umho/cm | 2.0 |
| 10/17/08 | | Sulfate | 250 | 250 | mg/l | 2.5 |
| 10/23/08 | | Total Dissolved Solid (TDS) | 620 | 500 | mg/l | 10 |
| 10/17/08 | | Zinc, Total, ICAP | 0.11 | | mg/l | 0.020 |

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#257000

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

Samples Received
10/17/08

| Prepared | Analyzed | QC Ref# | Method | Analyte | Result | Units | MRL | Dilution |
|--------------------------------------|----------|---------|------------------|----------------------------------|--------|---------|--------|----------|
| STABILIZED WATER (2810180008) | | | | | | | | |
| | | | | Sampled on 10/16/08 10:00 | | | | |
| 10/28/08 | 18:53 | 457956 | (ML/EPA 200.8) | Silver, Total, ICAP/MS | ND | ug/l | 0.50 | 1 |
| 10/28/08 | 18:53 | 457963 | (ML/EPA 200.8) | Aluminum, Total, ICAP/MS | ND | ug/l | 20 | 1 |
| 10/29/08 | 14:37 | 458015 | (SM 2320B) | Alkalinity in CaCO3 units | 142 | mg/l | 2.0 | 1 |
| 10/29/08 | 21:01 | | (ML/SM1030E) | Anion Sum - Calculated | 11. | meq/l | 0.0010 | 1 |
| 10/28/08 | 21:52 | 457972 | (ML/EPA 200.8) | Arsenic, Total, ICAP/MS | 2.3 | ug/l | 1.0 | 1 |
| 10/17/08 | 20:16 | 456317 | (ML/EPA 200.7) | Boron, Total, ICAP | 0.14 | mg/l | 0.050 | 1 |
| 10/28/08 | 18:53 | 457959 | (ML/EPA 200.8) | Barium, Total, ICAP/MS | 120 | ug/l | 2.0 | 1 |
| 11/04/08 | 10:59 | 458748 | (ML/EPA 200.8) | Beryllium, Total, ICAP/MS | ND | ug/l | 1.0 | 1 |
| 10/17/08 | 20:16 | 456320 | (ML/EPA 200.7) | Calcium, Total, ICAP | 59 | mg/l | 1.0 | 1 |
| 10/21/08 | 22:27 | | (SM 1030E) | Cation Sum - Calculated | 10. | meq/l | 0.0010 | 1 |
| 10/28/08 | 18:53 | 457957 | (ML/EPA 200.8) | Cadmium, Total, ICAP/MS | ND | ug/l | 0.50 | 1 |
| 10/17/08 | 16:19 | 456341 | (ML/EPA 300.0) | Chloride | 92 | mg/l | 5.0 | 5 |
| 10/22/08 | 21:04 | 456985 | (EPA 314) | Perchlorate | ND(L4) | ug/l | 4.0 | 1 |
| 10/29/08 | 20:38 | | (SM 2330B) | Carbonate as CO3, Calculated | 4.4 | mg/l | 2.0 | 1 |
| 10/28/08 | 18:53 | 457965 | (ML/EPA 200.8) | Chromium, Total, ICAP/MS | ND | ug/l | 1.0 | 1 |
| 10/28/08 | 18:53 | 457969 | (ML/EPA 200.8) | Copper, Total, ICAP/MS | 76 | ug/l | 2.0 | 1 |
| 10/22/08 | 17:22 | 457067 | (SM 2510B) | Specific Conductance | 1000 | umho/cm | 2.0 | 1 |
| 10/21/08 | 13:00 | 456641 | (SM 4500F-C) | Fluoride | 0.30 | mg/l | 0.050 | 1 |
| 10/17/08 | 20:16 | 456302 | (ML/EPA 200.7) | Iron, Total, ICAP | 0.027 | mg/l | 0.020 | 1 |
| 10/29/08 | 20:29 | | (SM 2330B) | Bicarb.Alkalinity as HCO3,calc | 171. | mg/l | 2.0 | 1 |
| 10/21/08 | 18:49 | 456816 | (EPA 245.1) | Mercury | ND | ug/l | 0.20 | 1 |
| 10/17/08 | 20:16 | 456305 | (ML/EPA 200.7) | Potassium, Total, ICAP | 5.2 | mg/l | 1.0 | 1 |
| 10/17/08 | 20:16 | 456308 | (ML/EPA 200.7) | Magnesium, Total, ICAP | 35 | mg/l | 0.10 | 1 |
| 10/28/08 | 18:53 | 457966 | (ML/EPA 200.8) | Manganese, Total, ICAP/MS | ND | ug/l | 2.0 | 1 |
| 10/17/08 | 20:16 | 456315 | (ML/EPA 200.7) | Sodium, Total, ICAP | 97 | mg/l | 1.0 | 1 |
| 10/28/08 | 18:53 | 457968 | (ML/EPA 200.8) | Nickel, Total, ICAP/MS | 14 | ug/l | 5.0 | 1 |
| 10/17/08 | 16:19 | 456346 | (ML/EPA 300.0) | Nitrate as Nitrogen by IC | ND | mg/l | 0.50 | 5 |
| 10/21/08 | 17:04 | | (SM 2330B) | Hydroxide as OH, Calculated | ND | mg/l | 2.0 | 1 |
| 10/28/08 | 18:53 | 457961 | (ML/EPA 200.8) | Lead, Total, ICAP/MS | ND | ug/l | 0.50 | 1 |
| 10/17/08 | 00:00 | 456417 | (SM 4500-HB) | PH (H3=past HT, not compliant) | 8.6 | Units | 0.010 | 1 |
| 10/28/08 | 18:53 | 457958 | (ML/EPA 200.8) | Antimony, Total, ICAP/MS | ND | ug/l | 1.0 | 1 |
| 10/28/08 | 18:53 | 457954 | (ML/EPA 200.8) | Selenium, Total, ICAP/MS | ND | ug/l | 5.0 | 1 |

**Tronox LLC - Henderson
 (continued)**

| Prepared | Analyzed | QC Ref# | Method | Analyte | Result | Units | MRL | Dilution |
|----------|----------------|---------|-------------------|-------------------------------|--------|-------|--------|----------|
| | 10/17/08 16:19 | 456348 | (ML/EPA 300.0) | Sulfate | 250 | mg/l | 2.5 | 5 |
| 10/23/08 | 10/23/08 12:00 | 457397 | (E160.1/SM2540C) | Total Dissolved Solid (TDS) | 620 | mg/l | 10 | 1 |
| | 10/28/08 18:53 | 457960 | (ML/EPA 200.8) | Thallium, Total, ICAP/MS | ND | ug/l | 1.0 | 1 |
| 10/20/08 | 10/21/08 00:00 | 456630 | (SM 4500CN-I) | Weak Acid Dissociable Cyanide | ND | mg/l | 0.0050 | 1 |
| | 10/17/08 20:16 | 456645 | (EPA/ML 200.7) | Zinc, Total, ICAP | 0.11 | mg/l | 0.020 | 1 |

Volatile Organics HSL

| | | | | | | | | |
|--|----------------|--------|-------------|--------------------------------|-----|------|-----|---|
| | 10/29/08 14:52 | 458130 | (EPA 624) | 1,1,2-Trichloroethane (1,1,2-T | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | 1,1-Dichloroethylene (1,1DCE) | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | 1,1-Dichloroethane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | o-Dichlorobenzene (1,2-DCB) | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | 1,2-Dichloroethane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | 1,2-Dichloropropane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | m-Dichlorobenzene (1,3-DCB) | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | p-Dichlorobenzene (1,4-DCB) | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | 2-Butanone (MEK) | ND | ug/l | 10 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | 2-Hexanone | ND | ug/l | 10 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | 4-Methyl-2-Pentanone (MIBK) | ND | ug/l | 10 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Acetone | ND | ug/l | 10 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Acrolein (Screen) | ND | ug/l | 50 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Acrylonitrile (Screen) | ND | ug/l | 50 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Benzene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | cis-1,2-Dichloroethene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Chlorobenzene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | cis-1,3-Dichloropropene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Bromoform | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Chloroform (Trichloromethane) | 1.4 | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Chloroethane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Carbon disulfide | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Carbon Tetrachloride | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Dibromochloromethane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Dichlorobromomethane | 0.8 | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Ethyl benzene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Dichlorodifluoromethane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Methyl Bromide | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624) | Methyl Chloride | ND | ug/l | 0.5 | 1 |



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Laboratory
Data Report
#257000

Tronox LLC - Henderson
(continued)

| Prepared | Analyzed | QC Ref# | Method | Analyte | Result | Units | MRL | Dilution |
|----------|----------------|---------|-----------|-----------------------------|--------|-------|-----|----------|
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Methylene Chloride | ND | ug/l | 3.0 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) m,p-Xylenes | ND | ug/l | 1.0 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) o-Xylene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Tetrachloroethylene (PCE) | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Styrene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) trans-1,2-Dichloroethene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) 1,1,1-Trichloroethane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Trichloroethylene (TCE) | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Trichlorofluoromethane | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) trans-1,3-Dichloropropene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Tetrahydrofuran | ND | ug/l | 10 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Toluene | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Vinyl Chloride (VC) | ND | ug/l | 0.5 | 1 |
| | 10/29/08 14:52 | 458130 | (EPA 624 |) Vinyl Acetate | ND | ug/l | 10 | 1 |



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Laboratory
QC Summary
#257000

Tronox LLC - Henderson

| | | |
|----------------|--------------------------|---------------------------|
| QC Ref #0 | - Metals Turbidity | Analysis Date: 10/20/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: jrf |
| 2810180008 | STABILIZED WATER | Analyzed by: jrf |
| QC Ref #456302 | - Iron, Total, ICAP | Analysis Date: 10/17/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: csk |
| QC Ref #456305 | - Potassium, Total, ICAP | Analysis Date: 10/17/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: csk |
| QC Ref #456308 | - Magnesium, Total, ICAP | Analysis Date: 10/17/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: csk |
| QC Ref #456315 | - Sodium, Total, ICAP | Analysis Date: 10/17/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: csk |
| QC Ref #456317 | - Boron, Total, ICAP | Analysis Date: 10/17/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: csk |
| QC Ref #456320 | - Calcium, Total, ICAP | Analysis Date: 10/17/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: csk |
| QC Ref #456341 | - Chloride | Analysis Date: 10/17/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: sxk |



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Laboratory
QC Summary
#257000

Tronox LLC - Henderson
(continued)

QC Ref #456346 - Nitrate as Nitrogen by IC Analysis Date: 10/17/2008

2810180008 STABILIZED WATER Analyzed by: sxk

QC Ref #456348 - Sulfate Analysis Date: 10/17/2008

2810180008 STABILIZED WATER Analyzed by: sxk

QC Ref #456417 - PH (H3=past HT, not compliant) Analysis Date: 10/17/2008

2810180008 STABILIZED WATER Analyzed by: sar

QC Ref #456630 - Weak Acid Dissociable Cyanide Analysis Date: 10/21/2008

2810180008 STABILIZED WATER Analyzed by: lupe

QC Ref #456641 - Fluoride Analysis Date: 10/21/2008

2810180008 STABILIZED WATER Analyzed by: yvette

QC Ref #456645 - Zinc, Total, ICAP Analysis Date: 10/17/2008

2810180008 STABILIZED WATER Analyzed by: csk

QC Ref #456816 - Mercury Analysis Date: 10/21/2008

2810180008 STABILIZED WATER Analyzed by: azs

QC Ref #456985 - Perchlorate Analysis Date: 10/22/2008

2810180008 STABILIZED WATER Analyzed by: ser



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Laboratory
QC Summary
#257000

Tronox LLC - Henderson
(continued)

| | | |
|----------------|-------------------------------|---------------------------|
| QC Ref #457067 | - Specific Conductance | Analysis Date: 10/22/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: nem |
| QC Ref #457397 | - Total Dissolved Solid (TDS) | Analysis Date: 10/23/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: yaa |
| QC Ref #457954 | - Selenium, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457956 | - Silver, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457957 | - Cadmium, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457958 | - Antimony, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457959 | - Barium, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457960 | - Thallium, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 | STABILIZED WATER | Analyzed by: dyh |



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Tronox LLC - Henderson
(continued)

| | |
|--|---------------------------|
| QC Ref #457961 - Lead, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457963 - Aluminum, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457965 - Chromium, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457966 - Manganese, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457968 - Nickel, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457969 - Copper, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 STABILIZED WATER | Analyzed by: dyh |
| QC Ref #457972 - Arsenic, Total, ICAP/MS | Analysis Date: 10/28/2008 |
| 2810180008 STABILIZED WATER | Analyzed by: dyh |
| QC Ref #458015 - Alkalinity in CaCO3 units | Analysis Date: 10/29/2008 |
| 2810180008 STABILIZED WATER | Analyzed by: anh |



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Tronox LLC - Henderson
(continued)

QC Ref #458130 - Volatile Organics HSL

Analysis Date: 10/29/2008

2810180008

STABILIZED WATER

Analyzed by: kcp

QC Ref #458748 - Beryllium, Total, ICAP/MS

Analysis Date: 11/04/2008

2810180008

STABILIZED WATER

Analyzed by: nina



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QC Ref #456302 Iron, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|-------------------|--------|-----------|-------|-----------|------------|---------|
| LCS1 | Iron, Total, ICAP | 5.0 | 4.99 | MGL | 99.8 | (85-115) | |
| LCS2 | Iron, Total, ICAP | 5.0 | 5.01 | MGL | 100.2 | (85-115) | |
| MBLK | Iron, Total, ICAP | ND | <0.020 | MGL | | | |
| MRL_CHK | Iron, Total, ICAP | 0.020 | 0.0267 | MGL | 133.5 | (50-150) | |
| MS | Iron, Total, ICAP | 5.0 | 4.99 | MGL | 99.8 | (70-130) | |
| MS2 | Iron, Total, ICAP | 5.0 | 5.02 | MGL | 100.4 | (70-130) | |
| MSD | Iron, Total, ICAP | 5.0 | 4.99 | MGL | 99.8 | (70-130) | |
| MSD2 | Iron, Total, ICAP | 5.0 | 5 | MGL | 100.0 | (70-130) | |
| RPD_LCS | Iron, Total, ICAP | 99.800 | 100.200 | MGL | 0.4 | (0-20) | |
| RPD_MS | Iron, Total, ICAP | 99.800 | 99.800 | MGL | 0.0 | (0-20) | |

QC Ref #456305 Potassium, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|------------------------|--------|-----------|-------|-----------|------------|---------|
| LCS1 | Potassium, Total, ICAP | 20 | 19.6 | MGL | 98.0 | (85-115) | |
| LCS2 | Potassium, Total, ICAP | 20 | 19.7 | MGL | 98.5 | (85-115) | |
| MBLK | Potassium, Total, ICAP | ND | <1.0 | MGL | | | |
| MRL_CHK | Potassium, Total, ICAP | 1.000 | 1.10 | MGL | 110.0 | (50-150) | |
| MS | Potassium, Total, ICAP | 20 | 19.5 | MGL | 97.5 | (70-130) | |
| MS2 | Potassium, Total, ICAP | 20 | 19.4 | MGL | 97.0 | (70-130) | |
| MSD | Potassium, Total, ICAP | 20 | 19.3 | MGL | 96.5 | (70-130) | |
| MSD2 | Potassium, Total, ICAP | 20 | 19.3 | MGL | 96.5 | (70-130) | |
| RPD_LCS | Potassium, Total, ICAP | 98.000 | 98.500 | MGL | 0.5 | (0-20) | |
| RPD_MS | Potassium, Total, ICAP | 97.500 | 96.500 | MGL | 1.0 | (0-20) | |

QC Ref #456308 Magnesium, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|------|------------------------|--------|-----------|-------|-----------|------------|---------|
| LCS1 | Magnesium, Total, ICAP | 20 | 20.5 | MGL | 102.5 | (85-115) | |
| LCS2 | Magnesium, Total, ICAP | 20 | 20.6 | MGL | 103.0 | (85-115) | |
| MBLK | Magnesium, Total, ICAP | ND | <0.10 | MGL | | | |

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#257000

Tronox LLC - Henderson (continued)

| MRL_CHK | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|------------------------|---------|-----------|-------|-----------|------------|---------|
| MS | Magnesium, Total, ICAP | 0.100 | 0.11 | MGL | 110.0 | (50-150) | |
| MS2 | Magnesium, Total, ICAP | 20 | 20.2 | MGL | 101.0 | (70-130) | |
| MSD | Magnesium, Total, ICAP | 20 | 19.8 | MGL | 99.0 | (70-130) | |
| MSD2 | Magnesium, Total, ICAP | 20 | 20.2 | MGL | 101.0 | (70-130) | |
| RPD_LCS | Magnesium, Total, ICAP | 20 | 19.7 | MGL | 98.5 | (70-130) | |
| RPD_MS | Magnesium, Total, ICAP | 102.500 | 103.000 | MGL | 0.5 | (0-20) | |
| | | 101.000 | 101.000 | MGL | 0.0 | (0-20) | |

QC Ref #456315 Sodium, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|---------------------|---------|-----------|-------|-----------|------------|---------|
| LCS1 | Sodium, Total, ICAP | 50 | 50 | MGL | 100.0 | (85-115) | |
| LCS2 | Sodium, Total, ICAP | 50 | 50.2 | MGL | 100.4 | (85-115) | |
| MBLK | Sodium, Total, ICAP | ND | <1.0 | MGL | | | |
| MRL_CHK | Sodium, Total, ICAP | 1.000 | 1.05 | MGL | 105.0 | (50-150) | |
| MS | Sodium, Total, ICAP | 50 | 48.4 | MGL | 96.8 | (70-130) | |
| MS2 | Sodium, Total, ICAP | 50 | 47.3 | MGL | 94.6 | (70-130) | |
| MSD | Sodium, Total, ICAP | 50 | 48.5 | MGL | 97.0 | (70-130) | |
| MSD2 | Sodium, Total, ICAP | 50 | 47.8 | MGL | 95.6 | (70-130) | |
| RPD_LCS | Sodium, Total, ICAP | 100.000 | 100.400 | MGL | 0.4 | (0-20) | |
| RPD_MS | Sodium, Total, ICAP | 96.800 | 97.000 | MGL | 0.2 | (0-20) | |

QC Ref #456317 Boron, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|--------------------|--------|-----------|-------|-----------|------------|---------|
| LCS1 | Boron, Total, ICAP | 0.5 | 0.476 | MGL | 95.2 | (85-115) | |
| LCS2 | Boron, Total, ICAP | 0.5 | 0.474 | MGL | 94.8 | (85-115) | |
| MBLK | Boron, Total, ICAP | ND | <0.050 | MGL | | | |
| MRL_CHK | Boron, Total, ICAP | 0.050 | 0.0486 | MGL | 97.2 | (50-150) | |
| MS | Boron, Total, ICAP | 0.5 | 0.475 | MGL | 95.0 | (70-130) | |
| MS2 | Boron, Total, ICAP | 0.5 | 0.491 | MGL | 98.2 | (70-130) | |
| MSD | Boron, Total, ICAP | 0.5 | 0.476 | MGL | 95.2 | (70-130) | |
| MSD2 | Boron, Total, ICAP | 0.5 | 0.49 | MGL | 98.0 | (70-130) | |
| RPD_LCS | Boron, Total, ICAP | 95.200 | 94.800 | MGL | 0.4 | (0-20) | |

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Tronox LLC - Henderson
 (continued)

RPD_MS Boron, Total, ICAP 95.000 95.200 MGL 0.2 (0-20)

QC Ref #456320 Calcium, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|----------------------|---------|-----------|-------|-----------|------------|---------|
| LCS1 | Calcium, Total, ICAP | 50 | 50.7 | MGL | 101.4 | (85-115) | |
| LCS2 | Calcium, Total, ICAP | 50 | 50.4 | MGL | 100.8 | (85-115) | |
| MBLK | Calcium, Total, ICAP | ND | <1.0 | MGL | | | |
| MRL_CHK | Calcium, Total, ICAP | 1.000 | 1.07 | MGL | 107.0 | (50-150) | |
| MS | Calcium, Total, ICAP | 50 | 49.4 | MGL | 98.8 | (70-130) | |
| MS2 | Calcium, Total, ICAP | 50 | 49.1 | MGL | 98.2 | (70-130) | |
| MSD | Calcium, Total, ICAP | 50 | 49.4 | MGL | 98.8 | (70-130) | |
| MSD2 | Calcium, Total, ICAP | 50 | 48.6 | MGL | 97.2 | (70-130) | |
| RPD_LCS | Calcium, Total, ICAP | 101.400 | 100.800 | MGL | 0.6 | (0-20) | |
| RPD_MS | Calcium, Total, ICAP | 98.800 | 98.800 | MGL | 0.0 | (0-20) | |

QC Ref #456341 Chloride

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|---------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | MGL | | (0-0) | |
| LCS1 | Chloride | 25 | 25.5 | MGL | 102.0 | (90-110) | |
| LCS2 | Chloride | 25 | 24.9 | MGL | 99.6 | (90-110) | |
| MBLK | Chloride | ND | <1.0 | MGL | | | |
| MRL_CHK | Chloride | 0.500 | 0.425 | MGL | 85.0 | (50-150) | |
| MS | Chloride | 12.5 | 12.9 | MGL | 103.2 | (74-138) | |
| MSD | Chloride | 12.5 | 13.2 | MGL | 105.6 | (74-138) | |
| RPD_LCS | Chloride | 102.000 | 99.600 | MGL | 2.4 | (0-20) | |
| RPD_MS | Chloride | 103.200 | 105.600 | MGL | 2.3 | (0-20) | |

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(continued)

QC Ref #456346 Nitrate as Nitrogen by IC

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|---------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | MGL | | (0-0) | |
| LCS1 | Nitrate as Nitrogen by IC | 2.5 | 2.49 | MGL | 99.6 | (90-110) | |
| LCS2 | Nitrate as Nitrogen by IC | 2.5 | 2.44 | MGL | 97.6 | (90-110) | |
| MBLK | Nitrate as Nitrogen by IC | ND | <0.10 | MGL | | | |
| MRL_CHK | Nitrate as Nitrogen by IC | 0.050 | 0.0483 | MGL | 96.6 | (50-150) | |
| MS | Nitrate as Nitrogen by IC | 1.25 | 1.23 | MGL | 98.4 | (87-121) | |
| MSD | Nitrate as Nitrogen by IC | 1.25 | 1.23 | MGL | 98.4 | (87-121) | |
| RPD_LCS | Nitrate as Nitrogen by IC | 99.600 | 97.600 | MGL | 2.0 | (0-20) | |
| RPD_MS | Nitrate as Nitrogen by IC | 98.400 | 98.400 | MGL | 0.0 | (0-20) | |

QC Ref #456348 Sulfate

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|---------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | MGL | | (0-0) | |
| LCS1 | Sulfate | 50 | 51.3 | MGL | 102.6 | (90-110) | |
| LCS2 | Sulfate | 50 | 50.0 | MGL | 100.0 | (90-110) | |
| MBLK | Sulfate | ND | <0.50 | MGL | | | |
| MRL_CHK | Sulfate | 0.25 | 0.281 | MGL | 112.4 | (50-150) | |
| MS | Sulfate | 25 | 25.7 | MGL | 102.8 | (84-130) | |
| MSD | Sulfate | 25 | 26.5 | MGL | 106.0 | (84-130) | |
| RPD_LCS | Sulfate | 102.600 | 100.000 | MGL | 2.6 | (0-20) | |
| RPD_MS | Sulfate | 102.800 | 106.000 | MGL | 3.1 | (0-20) | |

QC Ref #456417 PH (H3=past HT, not compliant)

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|-----|--------------------------------|--------|-----------|-------|-----------|------------|---------|
| DUP | PH (H3=past HT, not compliant) | 7.74 | 7.73 | UNIT | | (0-20) | 0.1 |

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(continued)

QC Ref #456630 Weak Acid Dissociable Cyanide

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|-------------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10090179 | MGL | | (0-0) | |
| LCS1 | Weak Acid Dissociable Cyanide | 0.1 | 0.106 | MGL | 106.0 | (90-110) | |
| LCS2 | Weak Acid Dissociable Cyanide | 0.1 | 0.105 | MGL | 105.0 | (90-110) | |
| MBLK | Weak Acid Dissociable Cyanide | ND | <0.0050 | MGL | | | |
| MS | Weak Acid Dissociable Cyanide | 0.1 | 0.098 | MGL | 98.0 | (85-115) | |
| MSD | Weak Acid Dissociable Cyanide | 0.1 | 0.102 | MGL | 102.0 | (85-115) | |

QC Ref #456641 Fluoride

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|---------------|----------|-----------|-------|-----------|------------|---------|
| MS | Spiked sample | Lab # 28 | 10170079 | MGL | | (0-0) | |
| CCC3 | Fluoride | 10.0 | 10.1 | MGL | 101.0 | (81-116) | |
| CCCH | Fluoride | 10.0 | 10.1 | MGL | 101.0 | (81-116) | |
| CCCL | Fluoride | 0.5 | 0.511 | MGL | 102.2 | (81-116) | |
| CCCM | Fluoride | 0.5 | 0.513 | MGL | 102.6 | (81-116) | |
| CCCS | Fluoride | 0.05 | 0.053 | MGL | 106.0 | (50-150) | |
| LCS1 | Fluoride | 1.00 | 1.00 | MGL | 100.0 | (81-116) | |
| LCS2 | Fluoride | 1.00 | 1.03 | MGL | 103.0 | (81-116) | |
| MBLK | Fluoride | ND | <0.050 | MGL | | | |
| MRL_CHK | Fluoride | 0.05 | 0.053 | MGL | 106.0 | (50-150) | |
| MS | Fluoride | 1.00 | 0.863 | MGL | 86.3 | (73-124) | |
| MS2 | Fluoride | 1.00 | 0.923 | MGL | 92.3 | (73-124) | |
| MSD | Fluoride | 1.00 | 0.868 | MGL | 86.8 | (73-124) | |
| RPD_LCS | Fluoride | 100.000 | 103.000 | MGL | 3.0 | (0-20) | |
| RPD_MS | Fluoride | 86.300 | 86.800 | MGL | 0.6 | (0-20) | |

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(continued)

QC Ref #456645 Zinc, Total, ICAP

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|-------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10170218 | MGL | | (0-0) | |
| LCS1 | Zinc, Total, ICAP | 1.00 | 1.01 | MGL | 101.0 | (85-115) | |
| LCS2 | Zinc, Total, ICAP | 1.00 | 1.01 | MGL | 101.0 | (85-115) | |
| MBLK | Zinc, Total, ICAP | ND | <0.020 | MGL | | | |
| MRL_CHK | Zinc, Total, ICAP | 0.020 | 0.020 | MGL | 100.0 | (50-150) | |
| MS | Zinc, Total, ICAP | 1.00 | 1.06 | MGL | 106.0 | (70-130) | |
| MSD | Zinc, Total, ICAP | 1.00 | 1.06 | MGL | 106.0 | (70-130) | |

QC Ref #456816 Mercury

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|---------------|----------|-----------|-------|-----------|------------|---------|
| MS | Spiked sample | Lab # 28 | 10160245 | UGL | | (0-0) | |
| LCS1 | Mercury | 1.50 | 1.59 | UGL | 106.0 | (85-115) | |
| LCS2 | Mercury | 1.50 | 1.59 | UGL | 106.0 | (85-115) | |
| MBLK | Mercury | ND | <0.20 | UGL | | | |
| MRL_CHK | Mercury | 0.200 | 0.190 | UGL | 95.0 | (50-150) | |
| MS | Mercury | 1.50 | 1.62 | UGL | 108.0 | (70-130) | |
| MSD | Mercury | 1.50 | 1.61 | UGL | 107.3 | (70-130) | |
| RPD_LCS | Mercury | 106.000 | 106.000 | UGL | 0.0 | (0-20) | |
| RPD_MS | Mercury | 108.000 | 107.333 | UGL | 0.6 | (0-20) | |

QC Ref #456985 Perchlorate

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|------|---------------|----------|-----------|-------|-------------|------------|---------|
| MS | Spiked sample | Lab # 28 | 10170056 | UGL | | (0-0) | |
| LCS1 | Perchlorate | 25.0 | 24.8 | UGL | 99.2 | (85-115) | |
| LCS2 | Perchlorate | 25.0 | 21.0 | UGL | <u>84.0</u> | (85-115) | |
| LCS3 | Perchlorate | 4 | 3.86 | UGL | 96.5 | (75-125) | |
| MBLK | Perchlorate | ND | <4.0 | UGL | | | |

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Tronox LLC - Henderson
 (continued)

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|-------------|--------|-----------|-------|-------------|------------|---------|
| MS | Perchlorate | 25.0 | 23.7 | UGL | 94.8 | (80-120) | |
| MSD | Perchlorate | 25.0 | 23.9 | UGL | 95.6 | (80-120) | |
| RPD_LCS | Perchlorate | 99.200 | 84.000 | UGL | <u>16.6</u> | (0-15) | |
| RPD_MS | Perchlorate | 94.800 | 95.600 | UGL | 1.0 | (0-15) | |

QC Ref #457067 Specific Conductance

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|----------------------|--------|-----------|-------|-----------|------------|---------|
| DUP | Specific Conductance | 272 | 273 | UMHO | | (0-20) | 0.4 |
| DUP2 | Specific Conductance | 763 | 764 | UMHO | | (0-20) | 0.1 |
| LCS1 | Specific Conductance | 1000 | 984 | UMHO | 98.4 | (90-110) | |
| LCS2 | Specific Conductance | 1000 | 983 | UMHO | 98.3 | (90-110) | |
| MBLK | Specific Conductance | ND | <2.0 | UMHO | | | |
| MRL_CHK | Specific Conductance | 2.00 | 1.49 | UMHO | 74.5 | (50-150) | |

QC Ref #457397 Total Dissolved Solid (TDS)

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|-----------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10170218 | MGL | | (0-0) | |
| DUP | Total Dissolved Solid (TDS) | 410 | 400 | MGL | | (0-10) | 2.5 |
| LCS1 | Total Dissolved Solid (TDS) | 175 | 176 | MGL | 100.6 | (80-114) | |
| LCS2 | Total Dissolved Solid (TDS) | 700 | 686 | MGL | 98.0 | (80-114) | |
| MBLK | Total Dissolved Solid (TDS) | ND | <10 | MGL | | | |
| MRL_CHK | Total Dissolved Solid (TDS) | 10.0 | 6 | MGL | 60.0 | (50-150) | |
| RPD_LCS | Total Dissolved Solid (TDS) | 100.571 | 98.000 | MGL | 2.6 | (0-20) | |

QC Ref #457954 Selenium, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|--------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Selenium, Total, ICAP/MS | 20 | 20.6 | UGL | 103.0 | (85-115) | |
| LCS2 | Selenium, Total, ICAP/MS | 20 | 20.4 | UGL | 102.0 | (85-115) | |

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Tronox LLC - Henderson
 (continued)

| | | | | | | | |
|---------|--------------------------|---------|---------|-----|-------|------------|--|
| MBLK | Selenium, Total, ICAP/MS | ND | <5.0 | UGL | | | |
| MRL_CHK | Selenium, Total, ICAP/MS | 5.000 | 5.31 | UGL | 106.2 | (50-150) | |
| MS | Selenium, Total, ICAP/MS | 20 | 20.8 | UGL | 104.0 | (70-130) | |
| MS2 | Selenium, Total, ICAP/MS | 20 | 21.6 | UGL | 108.0 | (70-130) | |
| MSD | Selenium, Total, ICAP/MS | 20 | 21.7 | UGL | 108.5 | (70-130) | |
| MSD2 | Selenium, Total, ICAP/MS | 20 | 21.9 | UGL | 109.5 | (70-130) | |
| RPD_LCS | Selenium, Total, ICAP/MS | 103.000 | 102.000 | UGL | 1.0 | (0-20) | |
| RPD_MS | Selenium, Total, ICAP/MS | 104.000 | 108.500 | UGL | 4.2 | (0-20) | |

QC Ref #457956 Silver, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Silver, Total, ICAP/MS | 50 | 51.2 | UGL | 102.4 | (85-115) | |
| LCS2 | Silver, Total, ICAP/MS | 50 | 52.1 | UGL | 104.2 | (85-115) | |
| MBLK | Silver, Total, ICAP/MS | ND | <0.50 | UGL | | | |
| MRL_CHK | Silver, Total, ICAP/MS | 0.500 | 0.556 | UGL | 111.2 | (50-150) | |
| MS | Silver, Total, ICAP/MS | 50 | 48.6 | UGL | 97.2 | (70-130) | |
| MS2 | Silver, Total, ICAP/MS | 50 | 46.9 | UGL | 93.8 | (70-130) | |
| MSD | Silver, Total, ICAP/MS | 50 | 49.9 | UGL | 99.8 | (70-130) | |
| MSD2 | Silver, Total, ICAP/MS | 50 | 45.5 | UGL | 91.0 | (70-130) | |
| RPD_LCS | Silver, Total, ICAP/MS | 102.400 | 104.200 | UGL | 1.7 | (0-20) | |
| RPD_MS | Silver, Total, ICAP/MS | 97.200 | 99.800 | UGL | 2.6 | (0-20) | |

QC Ref #457957 Cadmium, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|-------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Cadmium, Total, ICAP/MS | 20 | 20.5 | UGL | 102.5 | (85-115) | |
| LCS2 | Cadmium, Total, ICAP/MS | 20 | 20.9 | UGL | 104.5 | (85-115) | |
| MBLK | Cadmium, Total, ICAP/MS | ND | <0.50 | UGL | | | |
| MRL_CHK | Cadmium, Total, ICAP/MS | 0.500 | 0.534 | UGL | 106.8 | (50-150) | |

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)

| MS | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|-------------------------|---------|-----------|-------|-----------|------------|---------|
| MS | Cadmium, Total, ICAP/MS | 20 | 19.9 | UGL | 99.5 | (70-130) | |
| MS2 | Cadmium, Total, ICAP/MS | 20 | 20.1 | UGL | 100.5 | (70-130) | |
| MSD | Cadmium, Total, ICAP/MS | 20 | 20.3 | UGL | 101.5 | (70-130) | |
| MSD2 | Cadmium, Total, ICAP/MS | 20 | 19.5 | UGL | 97.5 | (70-130) | |
| RPD_LCS | Cadmium, Total, ICAP/MS | 102.500 | 104.500 | UGL | 1.9 | (0-20) | |
| RPD_MS | Cadmium, Total, ICAP/MS | 99.500 | 101.500 | UGL | 2.0 | (0-20) | |

QC Ref #457958 Antimony, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|--------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Antimony, Total, ICAP/MS | 50 | 50.3 | UGL | 100.6 | (85-115) | |
| LCS2 | Antimony, Total, ICAP/MS | 50 | 51.5 | UGL | 103.0 | (85-115) | |
| MBLK | Antimony, Total, ICAP/MS | ND | <1.0 | UGL | | | |
| MRL_CHK | Antimony, Total, ICAP/MS | 1.000 | 1.10 | UGL | 110.0 | (50-150) | |
| MS | Antimony, Total, ICAP/MS | 50 | 48.0 | UGL | 96.0 | (70-130) | |
| MS2 | Antimony, Total, ICAP/MS | 50 | 52.3 | UGL | 104.6 | (70-130) | |
| MSD | Antimony, Total, ICAP/MS | 50 | 49.6 | UGL | 99.2 | (70-130) | |
| MSD2 | Antimony, Total, ICAP/MS | 50 | 51.0 | UGL | 102.0 | (70-130) | |
| RPD_LCS | Antimony, Total, ICAP/MS | 100.600 | 103.000 | UGL | 2.4 | (0-20) | |
| RPD_MS | Antimony, Total, ICAP/MS | 96.000 | 99.200 | UGL | 3.3 | (0-20) | |

QC Ref #457959 Barium, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Barium, Total, ICAP/MS | 100 | 99.8 | UGL | 99.8 | (85-115) | |
| LCS2 | Barium, Total, ICAP/MS | 100 | 102 | UGL | 102.0 | (85-115) | |
| MBLK | Barium, Total, ICAP/MS | ND | <2.0 | UGL | | | |
| MRL_CHK | Barium, Total, ICAP/MS | 2.000 | 2.25 | UGL | 112.5 | (50-150) | |
| MS | Barium, Total, ICAP/MS | 100 | 93.7 | UGL | 93.7 | (70-130) | |
| MS2 | Barium, Total, ICAP/MS | 100 | 91.8 | UGL | 91.8 | (70-130) | |

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QC Report
#257000

Tronox LLC - Henderson
(continued)

| MSD | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|------------------------|--------|-----------|-------|-----------|------------|---------|
| MSD | Barium, Total, ICAP/MS | 100 | 96.2 | UGL | 96.2 | (70-130) | |
| MSD2 | Barium, Total, ICAP/MS | 100 | 86.2 | UGL | 86.2 | (70-130) | |
| RPD_LCS | Barium, Total, ICAP/MS | 99.800 | 102.000 | UGL | 2.2 | (0-20) | |
| RPD_MS | Barium, Total, ICAP/MS | 93.700 | 96.200 | UGL | 2.6 | (0-20) | |

QC Ref #457960 **Thallium, Total, ICAP/MS**

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|--------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Thallium, Total, ICAP/MS | 20.0 | 20.3 | UGL | 101.5 | (85-115) | |
| LCS2 | Thallium, Total, ICAP/MS | 20.0 | 20.7 | UGL | 103.5 | (85-115) | |
| MBLK | Thallium, Total, ICAP/MS | ND | <1.0 | UGL | | | |
| MRL_CHK | Thallium, Total, ICAP/MS | 1.000 | 1.23 | UGL | 123.0 | (50-150) | |
| MS | Thallium, Total, ICAP/MS | 20.0 | 18.8 | UGL | 94.0 | (70-130) | |
| MS2 | Thallium, Total, ICAP/MS | 20.0 | 19.4 | UGL | 97.0 | (70-130) | |
| MSD | Thallium, Total, ICAP/MS | 20.0 | 19.5 | UGL | 97.5 | (70-130) | |
| MSD2 | Thallium, Total, ICAP/MS | 20.0 | 19.3 | UGL | 96.5 | (70-130) | |
| RPD_LCS | Thallium, Total, ICAP/MS | 101.500 | 103.500 | UGL | 2.0 | (0-20) | |
| RPD_MS | Thallium, Total, ICAP/MS | 94.000 | 97.500 | UGL | 3.7 | (0-20) | |

QC Ref #457961 **Lead, Total, ICAP/MS**

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|----------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Lead, Total, ICAP/MS | 20 | 21.3 | UGL | 106.5 | (85-115) | |
| LCS2 | Lead, Total, ICAP/MS | 20 | 21.6 | UGL | 108.0 | (85-115) | |
| MBLK | Lead, Total, ICAP/MS | ND | <0.50 | UGL | | | |
| MRL_CHK | Lead, Total, ICAP/MS | 0.500 | 0.592 | UGL | 118.4 | (50-150) | |
| MS | Lead, Total, ICAP/MS | 20 | 19.8 | UGL | 99.0 | (70-130) | |
| MS2 | Lead, Total, ICAP/MS | 20 | 20.4 | UGL | 102.0 | (70-130) | |
| MSD | Lead, Total, ICAP/MS | 20 | 20.5 | UGL | 102.5 | (70-130) | |
| MSD2 | Lead, Total, ICAP/MS | 20 | 20.1 | UGL | 100.5 | (70-130) | |

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QC Report
#257000

Tronox LLC - Henderson
(continued)

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|---------|----------------------|---------|---------|-----|-----|----------|
| RPD_LCS | Lead, Total, ICAP/MS | 106.500 | 108.000 | UGL | 1.4 | (0-20) |
| RPD_MS | Lead, Total, ICAP/MS | 99.000 | 102.500 | UGL | 3.5 | (0-20) |

QC Ref #457963 Aluminum, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|--------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Aluminum, Total, ICAP/MS | 200 | 197 | UGL | 98.5 | (85-115) | |
| LCS2 | Aluminum, Total, ICAP/MS | 200 | 200 | UGL | 100.0 | (85-115) | |
| MBLK | Aluminum, Total, ICAP/MS | ND | <20 | UGL | | | |
| MRL_CHK | Aluminum, Total, ICAP/MS | 25.000 | 27.1 | UGL | 108.4 | (50-150) | |
| MS | Aluminum, Total, ICAP/MS | 200 | 165 | UGL | 82.5 | (70-130) | |
| MS2 | Aluminum, Total, ICAP/MS | 200 | 182 | UGL | 91.0 | (70-130) | |
| MSD | Aluminum, Total, ICAP/MS | 200 | 171 | UGL | 85.5 | (70-130) | |
| MSD2 | Aluminum, Total, ICAP/MS | 200 | 179 | UGL | 89.5 | (70-130) | |
| RPD_LCS | Aluminum, Total, ICAP/MS | 98.500 | 100.000 | UGL | 1.5 | (0-20) | |
| RPD_MS | Aluminum, Total, ICAP/MS | 82.500 | 85.500 | UGL | 3.6 | (0-20) | |

QC Ref #457965 Chromium, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|--------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Chromium, Total, ICAP/MS | 100 | 98.8 | UGL | 98.8 | (85-115) | |
| LCS2 | Chromium, Total, ICAP/MS | 100 | 99.3 | UGL | 99.3 | (85-115) | |
| MBLK | Chromium, Total, ICAP/MS | ND | <1.0 | UGL | | | |
| MRL_CHK | Chromium, Total, ICAP/MS | 1.000 | 1.18 | UGL | 118.0 | (50-150) | |
| MS | Chromium, Total, ICAP/MS | 100 | 90.8 | UGL | 90.8 | (70-130) | |
| MS2 | Chromium, Total, ICAP/MS | 100 | 92.4 | UGL | 92.4 | (70-130) | |
| MSD | Chromium, Total, ICAP/MS | 100 | 93.5 | UGL | 93.5 | (70-130) | |
| MSD2 | Chromium, Total, ICAP/MS | 100 | 90.9 | UGL | 90.9 | (70-130) | |
| RPD_LCS | Chromium, Total, ICAP/MS | 98.800 | 99.300 | UGL | 0.5 | (0-20) | |
| RPD_MS | Chromium, Total, ICAP/MS | 90.800 | 93.500 | UGL | 2.9 | (0-20) | |

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QC Ref #457966 Manganese, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|---------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Manganese, Total, ICAP/MS | 50 | 51.1 | UGL | 102.2 | (85-115) | |
| LCS2 | Manganese, Total, ICAP/MS | 50 | 51.5 | UGL | 103.0 | (85-115) | |
| MBLK | Manganese, Total, ICAP/MS | ND | <2.0 | UGL | | | |
| MRL_CHK | Manganese, Total, ICAP/MS | 2.000 | 2.34 | UGL | 117.0 | (50-150) | |
| MS | Manganese, Total, ICAP/MS | 50 | 47.0 | UGL | 94.0 | (70-130) | |
| MS2 | Manganese, Total, ICAP/MS | 50 | 48.2 | UGL | 96.4 | (70-130) | |
| MSD | Manganese, Total, ICAP/MS | 50 | 48.4 | UGL | 96.8 | (70-130) | |
| MSD2 | Manganese, Total, ICAP/MS | 50 | 47.1 | UGL | 94.2 | (70-130) | |
| RPD_LCS | Manganese, Total, ICAP/MS | 102.200 | 103.000 | UGL | 0.8 | (0-20) | |
| RPD_MS | Manganese, Total, ICAP/MS | 94.000 | 96.800 | UGL | 2.9 | (0-20) | |

QC Ref #457968 Nickel, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Nickel, Total, ICAP/MS | 50 | 50.7 | UGL | 101.4 | (85-115) | |
| LCS2 | Nickel, Total, ICAP/MS | 50 | 51.0 | UGL | 102.0 | (85-115) | |
| MBLK | Nickel, Total, ICAP/MS | ND | <5.0 | UGL | | | |
| MRL_CHK | Nickel, Total, ICAP/MS | 5.000 | 5.74 | UGL | 114.8 | (50-150) | |
| MS | Nickel, Total, ICAP/MS | 50 | 46.4 | UGL | 92.8 | (70-130) | |
| MS2 | Nickel, Total, ICAP/MS | 50 | 36.6 | UGL | 73.2 | (70-130) | |
| MSD | Nickel, Total, ICAP/MS | 50 | 47.6 | UGL | 95.2 | (70-130) | |
| MSD2 | Nickel, Total, ICAP/MS | 50 | 35.8 | UGL | 71.6 | (70-130) | |
| RPD_LCS | Nickel, Total, ICAP/MS | 101.400 | 102.000 | UGL | 0.6 | (0-20) | |
| RPD_MS | Nickel, Total, ICAP/MS | 92.800 | 95.200 | UGL | 2.6 | (0-20) | |

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QC Ref #457969 Copper, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Copper, Total, ICAP/MS | 100 | 102 | UGL | 102.0 | (85-115) | |
| LCS2 | Copper, Total, ICAP/MS | 100 | 103 | UGL | 103.0 | (85-115) | |
| MBLK | Copper, Total, ICAP/MS | ND | <2.0 | UGL | | | |
| MRL_CHK | Copper, Total, ICAP/MS | 2.000 | 2.31 | UGL | 115.5 | (50-150) | |
| MS | Copper, Total, ICAP/MS | 100 | 92.6 | UGL | 92.6 | (70-130) | |
| MS2 | Copper, Total, ICAP/MS | 100 | 88.9 | UGL | 88.9 | (70-130) | |
| MSD | Copper, Total, ICAP/MS | 100 | 94.9 | UGL | 94.9 | (70-130) | |
| MSD2 | Copper, Total, ICAP/MS | 100 | 85.1 | UGL | 85.1 | (70-130) | |
| RPD_LCS | Copper, Total, ICAP/MS | 102.000 | 103.000 | UGL | 1.0 | (0-20) | |
| RPD_MS | Copper, Total, ICAP/MS | 92.600 | 94.900 | UGL | 2.5 | (0-20) | |

QC Ref #457972 Arsenic, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|-------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10180008 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10200021 | UGL | | (0-0) | |
| LCS1 | Arsenic, Total, ICAP/MS | 20 | 19.7 | UGL | 98.5 | (85-115) | |
| LCS2 | Arsenic, Total, ICAP/MS | 20 | 20.0 | UGL | 100.0 | (85-115) | |
| MBLK | Arsenic, Total, ICAP/MS | ND | <1.0 | UGL | | | |
| MRL_CHK | Arsenic, Total, ICAP/MS | 1.000 | 1.06 | UGL | 106.0 | (50-150) | |
| MS | Arsenic, Total, ICAP/MS | 20 | 19.2 | UGL | 96.0 | (70-130) | |
| MS2 | Arsenic, Total, ICAP/MS | 20 | 20.3 | UGL | 101.5 | (70-130) | |
| MSD | Arsenic, Total, ICAP/MS | 20 | 18.9 | UGL | 94.5 | (70-130) | |
| MSD2 | Arsenic, Total, ICAP/MS | 20 | 20.1 | UGL | 100.5 | (70-130) | |
| RPD_LCS | Arsenic, Total, ICAP/MS | 98.500 | 100.000 | UGL | 1.5 | (0-20) | |
| RPD_MS | Arsenic, Total, ICAP/MS | 96.000 | 94.500 | UGL | 1.6 | (0-20) | |

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QC Ref #458015 Alkalinity in CaCO3 units

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|---------------------------|----------|-----------|-------|-----------|------------|---------|
| MS | Spiked sample | Lab # 28 | 10170213 | MGL | | (0-0) | |
| LCS1 | Alkalinity in CaCO3 units | 100 | 104 | MGL | 104.0 | (90-110) | |
| LCS2 | Alkalinity in CaCO3 units | 100 | 103 | MGL | 103.0 | (90-110) | |
| MBLK | Alkalinity in CaCO3 units | ND | <2.0 | MGL | | | |
| MRL_CHK | Alkalinity in CaCO3 units | 2.00 | 2.00 | MGL | 100.0 | (50-150) | |
| MS | Alkalinity in CaCO3 units | 100 | 103 | MGL | 103.0 | (80-120) | |
| MS2 | Alkalinity in CaCO3 units | 100 | 105 | MGL | 105.0 | (80-120) | |
| MSD | Alkalinity in CaCO3 units | 100 | 100 | MGL | 100.0 | (80-120) | |
| MSD2 | Alkalinity in CaCO3 units | 100 | 107 | MGL | 107.0 | (80-120) | |
| RPD_LCS | Alkalinity in CaCO3 units | 104.000 | 103.000 | MGL | 1.0 | (0-10) | |
| RPD_MS | Alkalinity in CaCO3 units | 103.000 | 100.000 | MGL | 3.0 | (0-20) | |

QC Ref #458130 Volatile Organics HSL

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|---------|--------------------------------|---------|-----------|-------|-----------|------------|---------|
| LCS1 | 1,1,2-Trichloroethane (1,1,2-T | 20 | 21.0 | UGL | 105.0 | (79-116) | |
| LCS2 | 1,1,2-Trichloroethane (1,1,2-T | 20 | 21.1 | UGL | 105.5 | (79-116) | |
| MBLK | 1,1,2-Trichloroethane (1,1,2-T | ND | <0.5 | UGL | | | |
| MS | 1,1,2-Trichloroethane (1,1,2-T | 10 | 11.5 | UGL | 115.0 | (76-129) | |
| RPD_LCS | 1,1,2-Trichloroethane (1,1,2-T | 105.000 | 105.500 | UGL | 0.5 | (0-20) | |
| LCS1 | 1,1-Dichloroethylene (1,1DCE) | 20 | 21.3 | UGL | 106.5 | (77-129) | |
| LCS2 | 1,1-Dichloroethylene (1,1DCE) | 20 | 21.7 | UGL | 108.5 | (77-129) | |
| MBLK | 1,1-Dichloroethylene (1,1DCE) | ND | <0.5 | UGL | | | |
| MS | 1,1-Dichloroethylene (1,1DCE) | 10 | 11.8 | UGL | 118.0 | (70-146) | |
| RPD_LCS | 1,1-Dichloroethylene (1,1DCE) | 106.500 | 108.500 | UGL | 1.9 | (0-20) | |
| LCS1 | 1,1-Dichloroethane | 20 | 19.7 | UGL | 98.5 | (79-118) | |
| LCS2 | 1,1-Dichloroethane | 20 | 20.5 | UGL | 102.5 | (79-118) | |
| MBLK | 1,1-Dichloroethane | ND | <0.5 | UGL | | | |
| MS | 1,1-Dichloroethane | 10 | 11.4 | UGL | 114.0 | (75-134) | |
| RPD_LCS | 1,1-Dichloroethane | 98.500 | 102.500 | UGL | 4.0 | (0-20) | |

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Laboratory
 QC Report
 #257000

Tronox LLC - Henderson (continued)

| | | | | | | |
|---------|-----------------------------|---------|---------|-----|-------|------------|
| LCS1 | o-Dichlorobenzene (1,2-DCB) | 20 | 19.5 | UGL | 97.5 | (79-118) |
| LCS2 | o-Dichlorobenzene (1,2-DCB) | 20 | 18.0 | UGL | 90.0 | (79-118) |
| MBLK | o-Dichlorobenzene (1,2-DCB) | ND | <0.5 | UGL | | |
| MS | o-Dichlorobenzene (1,2-DCB) | 10 | 10.4 | UGL | 104.0 | (80-125) |
| RPD_LCS | o-Dichlorobenzene (1,2-DCB) | 97.500 | 90.000 | UGL | 8.0 | (0-20) |
| LCS1 | 1,2-Dichloroethane | 20 | 20.9 | UGL | 104.5 | (81-122) |
| LCS2 | 1,2-Dichloroethane | 20 | 21.3 | UGL | 106.5 | (81-122) |
| MBLK | 1,2-Dichloroethane | ND | <0.5 | UGL | | |
| MS | 1,2-Dichloroethane | 10 | 11.6 | UGL | 116.0 | (75-135) |
| RPD_LCS | 1,2-Dichloroethane | 104.500 | 106.500 | UGL | 1.9 | (0-20) |
| LCS1 | 1,2-Dichloropropane | 20 | 20.4 | UGL | 102.0 | (77-118) |
| LCS2 | 1,2-Dichloropropane | 20 | 19.8 | UGL | 99.0 | (77-118) |
| MBLK | 1,2-Dichloropropane | ND | <0.5 | UGL | | |
| MS | 1,2-Dichloropropane | 10 | 11.3 | UGL | 113.0 | (73-132) |
| RPD_LCS | 1,2-Dichloropropane | 102.000 | 99.000 | UGL | 3.0 | (0-20) |
| LCS1 | m-Dichlorobenzene (1,3-DCB) | 20 | 18.4 | UGL | 92.0 | (76-124) |
| LCS2 | m-Dichlorobenzene (1,3-DCB) | 20 | 18.8 | UGL | 94.0 | (76-124) |
| MBLK | m-Dichlorobenzene (1,3-DCB) | ND | <0.5 | UGL | | |
| MS | m-Dichlorobenzene (1,3-DCB) | 10 | 10.1 | UGL | 101.0 | (76-139) |
| RPD_LCS | m-Dichlorobenzene (1,3-DCB) | 92.000 | 94.000 | UGL | 2.2 | (0-20) |
| LCS1 | p-Dichlorobenzene (1,4-DCB) | 20 | 18.9 | UGL | 94.5 | (74-130) |
| LCS2 | p-Dichlorobenzene (1,4-DCB) | 20 | 19.2 | UGL | 96.0 | (74-130) |
| MBLK | p-Dichlorobenzene (1,4-DCB) | ND | <0.5 | UGL | | |
| MS | p-Dichlorobenzene (1,4-DCB) | 10 | 10.3 | UGL | 103.0 | (71-145) |
| RPD_LCS | p-Dichlorobenzene (1,4-DCB) | 94.500 | 96.000 | UGL | 1.6 | (0-20) |
| LCS1 | 2-Butanone (MEK) | 200 | 221 | UGL | 110.5 | (65-122) |
| LCS2 | 2-Butanone (MEK) | 200 | 227 | UGL | 113.5 | (65-122) |
| MBLK | 2-Butanone (MEK) | ND | <10 | UGL | | |
| MS | 2-Butanone (MEK) | 100 | 105 | UGL | 105.0 | (59-129) |
| RPD_LCS | 2-Butanone (MEK) | 110.500 | 113.500 | UGL | 2.7 | (0-20) |
| LCS1 | 2-Hexanone | 200 | 228 | UGL | 114.0 | (72-128) |
| LCS2 | 2-Hexanone | 200 | 247 | UGL | 123.5 | (72-128) |
| MBLK | 2-Hexanone | ND | <10 | UGL | | |
| MS | 2-Hexanone | 100 | 115 | UGL | 115.0 | (71-134) |
| RPD_LCS | 2-Hexanone | 114.000 | 123.500 | UGL | 8.0 | (0-20) |
| LCS1 | 4-Methyl-2-Pentanone (MIBK) | 200 | 220 | UGL | 110.0 | (76-130) |

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Tronox LLC - Henderson
(continued)

| | | | | | | |
|---------|-------------------------------|----------|----------|------|-------|------------|
| LCS2 | 4-Methyl-2-Pentanone (MIBK) | 200 | 237 | UGL | 118.5 | (76-130) |
| MBLK | 4-Methyl-2-Pentanone (MIBK) | ND | <10 | UGL | | |
| MS | 4-Methyl-2-Pentanone (MIBK) | 100 | 115 | UGL | 115.0 | (75-136) |
| RPD_LCS | 4-Methyl-2-Pentanone (MIBK) | 110.000 | 118.500 | UGL | 7.4 | (0-20) |
| MS | Spiked sample | Lab # 28 | 10180008 | NONE | | (0-0) |
| LCS1 | Acetone | 200 | 205 | UGL | 102.5 | (47-117) |
| LCS2 | Acetone | 200 | 206 | UGL | 103.0 | (47-117) |
| MBLK | Acetone | ND | <10 | UGL | | |
| MS | Acetone | 100 | 93.8 | UGL | 93.8 | (37-119) |
| RPD_LCS | Acetone | 102.500 | 103.000 | UGL | 0.5 | (0-20) |
| LCS1 | Benzene | 20 | 20.9 | UGL | 104.5 | (78-119) |
| LCS2 | Benzene | 20 | 21.3 | UGL | 106.5 | (78-119) |
| MBLK | Benzene | ND | <0.5 | UGL | | |
| MS | Benzene | 10 | 12.0 | UGL | 120.0 | (76-133) |
| RPD_LCS | Benzene | 104.500 | 106.500 | UGL | 1.9 | (0-20) |
| LCS1 | cis-1,2-Dichloroethene | 20 | 20.5 | UGL | 102.5 | (80-114) |
| LCS2 | cis-1,2-Dichloroethene | 20 | 21.4 | UGL | 107.0 | (80-114) |
| MBLK | cis-1,2-Dichloroethene | ND | <0.5 | UGL | | |
| MS | cis-1,2-Dichloroethene | 10 | 12.1 | UGL | 121.0 | (78-133) |
| RPD_LCS | cis-1,2-Dichloroethene | 102.500 | 107.000 | UGL | 4.3 | (0-20) |
| LCS1 | Chlorobenzene | 20 | 21.3 | UGL | 106.5 | (80-119) |
| LCS2 | Chlorobenzene | 20 | 21.1 | UGL | 105.5 | (80-119) |
| MBLK | Chlorobenzene | ND | <0.5 | UGL | | |
| MS | Chlorobenzene | 10 | 11.9 | UGL | 119.0 | (77-132) |
| RPD_LCS | Chlorobenzene | 106.500 | 105.500 | UGL | 0.9 | (0-20) |
| LCS1 | cis-1,3-Dichloropropene | 20 | 21.6 | UGL | 108.0 | (68-123) |
| LCS2 | cis-1,3-Dichloropropene | 20 | 21.2 | UGL | 106.0 | (68-123) |
| MBLK | cis-1,3-Dichloropropene | ND | <0.5 | UGL | | |
| MS | cis-1,3-Dichloropropene | 10 | 9.93 | UGL | 99.3 | (65-120) |
| RPD_LCS | cis-1,3-Dichloropropene | 108.000 | 106.000 | UGL | 1.9 | (0-20) |
| LCS1 | Bromoform | 20 | 20.2 | UGL | 101.0 | (54-134) |
| LCS2 | Bromoform | 20 | 20.9 | UGL | 104.5 | (54-134) |
| MBLK | Bromoform | ND | <0.5 | UGL | | |
| MS | Bromoform | 10 | 9.02 | UGL | 90.2 | (51-140) |
| RPD_LCS | Bromoform | 101.000 | 104.500 | UGL | 3.4 | (0-20) |
| LCS1 | Chloroform (Trichloromethane) | 20 | 20.4 | UGL | 102.0 | (78-117) |

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Tronox LLC - Henderson (continued)

| | | | | | | |
|---------|-------------------------------|---------|---------|-----|-------|------------|
| LCS2 | Chloroform (Trichloromethane) | 20 | 21.1 | UGL | 105.5 | (78-117) |
| MBLK | Chloroform (Trichloromethane) | ND | <0.5 | UGL | | |
| MS | Chloroform (Trichloromethane) | 10 | 11.8 | UGL | 118.0 | (76-133) |
| RPD_LCS | Chloroform (Trichloromethane) | 102.000 | 105.500 | UGL | 3.4 | (0-20) |
| LCS1 | Chloroethane | 20 | 19.3 | UGL | 96.5 | (70-133) |
| LCS2 | Chloroethane | 20 | 19.7 | UGL | 98.5 | (70-133) |
| MBLK | Chloroethane | ND | <0.5 | UGL | | |
| MS | Chloroethane | 10 | 13.8 | UGL | 138.0 | (45-180) |
| RPD_LCS | Chloroethane | 96.500 | 98.500 | UGL | 2.1 | (0-20) |
| LCS1 | Carbon disulfide | 20 | 18.0 | UGL | 90.0 | (63-131) |
| LCS2 | Carbon disulfide | 20 | 18.7 | UGL | 93.5 | (63-131) |
| MBLK | Carbon disulfide | ND | <0.5 | UGL | | |
| MS | Carbon disulfide | 10 | 11.9 | UGL | 119.0 | (65-155) |
| RPD_LCS | Carbon disulfide | 90.000 | 93.500 | UGL | 3.8 | (0-20) |
| LCS1 | Carbon Tetrachloride | 20 | 21.7 | UGL | 108.5 | (73-127) |
| LCS2 | Carbon Tetrachloride | 20 | 21.7 | UGL | 108.5 | (73-127) |
| MBLK | Carbon Tetrachloride | ND | <0.5 | UGL | | |
| MS | Carbon Tetrachloride | 10 | 12.2 | UGL | 122.0 | (71-151) |
| RPD_LCS | Carbon Tetrachloride | 108.500 | 108.500 | UGL | 0.0 | (0-20) |
| LCS1 | Dibromochloromethane | 20 | 20.7 | UGL | 103.5 | (70-125) |
| LCS2 | Dibromochloromethane | 20 | 20.5 | UGL | 102.5 | (70-125) |
| MBLK | Dibromochloromethane | ND | <0.5 | UGL | | |
| MS | Dibromochloromethane | 10 | 11.4 | UGL | 114.0 | (68-136) |
| RPD_LCS | Dibromochloromethane | 103.500 | 102.500 | UGL | 1.0 | (0-20) |
| LCS1 | Dichlorobromomethane | 20 | 20.3 | UGL | 101.5 | (77-113) |
| LCS2 | Dichlorobromomethane | 20 | 20.6 | UGL | 103.0 | (77-113) |
| MBLK | Dichlorobromomethane | ND | <0.5 | UGL | | |
| MS | Dichlorobromomethane | 10 | 11.6 | UGL | 116.0 | (77-130) |
| RPD_LCS | Dichlorobromomethane | 101.500 | 103.000 | UGL | 1.5 | (0-20) |
| LCS1 | Ethyl benzene | 20 | 21.8 | UGL | 109.0 | (79-122) |
| LCS2 | Ethyl benzene | 20 | 22.0 | UGL | 110.0 | (79-122) |
| MBLK | Ethyl benzene | ND | <0.5 | UGL | | |
| MS | Ethyl benzene | 10 | 12.5 | UGL | 125.0 | (68-146) |
| RPD_LCS | Ethyl benzene | 109.000 | 110.000 | UGL | 0.9 | (0-20) |
| LCS1 | Dichlorodifluoromethane | 20 | 17.3 | UGL | 86.5 | (46-165) |
| LCS2 | Dichlorodifluoromethane | 20 | 17.0 | UGL | 85.0 | (46-165) |

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Tronox LLC - Henderson (continued)

| | | | | | | |
|---------|---------------------------|---------|---------|-----|-------|------------|
| MBLK | Dichlorodifluoromethane | ND | <0.5 | UGL | | |
| MS | Dichlorodifluoromethane | 10 | 10.2 | UGL | 102.0 | (30-169) |
| RPD_LCS | Dichlorodifluoromethane | 86.500 | 85.000 | UGL | 1.7 | (0-20) |
| LCS1 | Methyl Bromide | 20 | 20.3 | UGL | 101.5 | (67-144) |
| LCS2 | Methyl Bromide | 20 | 21.4 | UGL | 107.0 | (67-144) |
| MBLK | Methyl Bromide | ND | <0.5 | UGL | | |
| MS | Methyl Bromide | 10 | 12.5 | UGL | 125.0 | (55-147) |
| RPD_LCS | Methyl Bromide | 101.500 | 107.000 | UGL | 5.3 | (0-20) |
| LCS1 | Methyl Chloride | 20 | 19.6 | UGL | 98.0 | (78-134) |
| LCS2 | Methyl Chloride | 20 | 20.2 | UGL | 101.0 | (78-134) |
| MBLK | Methyl Chloride | ND | <0.5 | UGL | | |
| MS | Methyl Chloride | 10 | 12.0 | UGL | 120.0 | (58-143) |
| RPD_LCS | Methyl Chloride | 98.000 | 101.000 | UGL | 3.0 | (0-20) |
| LCS1 | Methylene Chloride | 20 | 21.1 | UGL | 105.5 | (77-121) |
| LCS2 | Methylene Chloride | 20 | 21.4 | UGL | 107.0 | (77-121) |
| MBLK | Methylene Chloride | ND | <3.0 | UGL | | |
| MS | Methylene Chloride | 10 | 11.3 | UGL | 113.0 | (75-132) |
| RPD_LCS | Methylene Chloride | 105.500 | 107.000 | UGL | 1.4 | (0-20) |
| LCS1 | m,p-Xylenes | 40 | 43.2 | UGL | 108.0 | (82-123) |
| LCS2 | m,p-Xylenes | 40 | 42.7 | UGL | 106.8 | (82-123) |
| MBLK | m,p-Xylenes | ND | <1.0 | UGL | | |
| MS | m,p-Xylenes | 20 | 25.0 | UGL | 125.0 | (79-142) |
| RPD_LCS | m,p-Xylenes | 108.000 | 106.750 | UGL | 1.2 | (0-20) |
| LCS1 | o-Xylene | 20 | 20.6 | UGL | 103.0 | (79-120) |
| LCS2 | o-Xylene | 20 | 20.7 | UGL | 103.5 | (79-120) |
| MBLK | o-Xylene | ND | <0.5 | UGL | | |
| MS | o-Xylene | 10 | 11.8 | UGL | 118.0 | (91-123) |
| RPD_LCS | o-Xylene | 103.000 | 103.500 | UGL | 0.5 | (0-20) |
| LCS1 | 1,1,2,2-Tetrachloroethane | 20 | 19.8 | UGL | 99.0 | (77-126) |
| LCS2 | 1,1,2,2-Tetrachloroethane | 20 | 20.7 | UGL | 103.5 | (77-126) |
| MBLK | 1,1,2,2-Tetrachloroethane | ND | <0.5 | UGL | | |
| MS | 1,1,2,2-Tetrachloroethane | 10 | 10.2 | UGL | 102.0 | (79-130) |
| RPD_LCS | 1,1,2,2-Tetrachloroethane | 99.000 | 103.500 | UGL | 4.4 | (0-20) |
| LCS1 | Tetrachloroethylene (PCE) | 20 | 20.6 | UGL | 103.0 | (79-122) |
| LCS2 | Tetrachloroethylene (PCE) | 20 | 19.8 | UGL | 99.0 | (79-122) |
| MBLK | Tetrachloroethylene (PCE) | ND | <0.5 | UGL | | |

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#257000

Tronox LLC - Henderson (continued)

| | | | | | | |
|---------|---------------------------|---------|---------|-----|-------|------------|
| MS | Tetrachloroethylene (PCE) | 10 | 11.5 | UGL | 115.0 | (72-146) |
| RPD_LCS | Tetrachloroethylene (PCE) | 103.000 | 99.000 | UGL | 4.0 | (0-20) |
| LCS1 | Styrene | 20 | 20.8 | UGL | 104.0 | (77-125) |
| LCS2 | Styrene | 20 | 21.2 | UGL | 106.0 | (77-125) |
| MBLK | Styrene | ND | <0.5 | UGL | | |
| MS | Styrene | 10 | 12.3 | UGL | 123.0 | (66-142) |
| RPD_LCS | Styrene | 104.000 | 106.000 | UGL | 1.9 | (0-20) |
| LCS1 | 1,2-dichloroethane-d4 | 100 | 95 | %R | 95.0 | (70-130) |
| LCS2 | 1,2-dichloroethane-d4 | 100 | 98 | %R | 98.0 | (70-130) |
| MBLK | 1,2-dichloroethane-d4 | 100 | 106 | %R | 106.0 | |
| MS | 1,2-dichloroethane-d4 | 100 | 100 | %R | 100.0 | (70-130) |
| RPD_LCS | 1,2-dichloroethane-d4 | 95.000 | 98.000 | %R | 3.1 | (0-20) |
| LCS1 | Toluene-d8 | 100 | 104 | %R | 104.0 | (70-130) |
| LCS2 | Toluene-d8 | 100 | 102 | %R | 102.0 | (70-130) |
| MBLK | Toluene-d8 | 100 | 99 | %R | 99.0 | |
| MS | Toluene-d8 | 100 | 109 | %R | 109.0 | (70-130) |
| RPD_LCS | Toluene-d8 | 104.000 | 102.000 | %R | 1.9 | (0-20) |
| LCS1 | 4-Bromofluorobenzene | 100 | 96 | %R | 96.0 | (70-130) |
| LCS2 | 4-Bromofluorobenzene | 100 | 97 | %R | 97.0 | (70-130) |
| MBLK | 4-Bromofluorobenzene | 100 | 94 | %R | 94.0 | |
| MS | 4-Bromofluorobenzene | 100 | 97 | %R | 97.0 | (70-130) |
| RPD_LCS | 4-Bromofluorobenzene | 96.000 | 97.000 | %R | 1.0 | (0-20) |
| LCS1 | trans-1,2-Dichloroethene | 20 | 21.6 | UGL | 108.0 | (82-122) |
| LCS2 | trans-1,2-Dichloroethene | 20 | 22.4 | UGL | 112.0 | (82-122) |
| MBLK | trans-1,2-Dichloroethene | ND | <0.5 | UGL | | |
| MS | trans-1,2-Dichloroethene | 10 | 12.1 | UGL | 121.0 | (74-138) |
| RPD_LCS | trans-1,2-Dichloroethene | 108.000 | 112.000 | UGL | 3.6 | (0-20) |
| LCS1 | 1,1,1-Trichloroethane | 20 | 20.8 | UGL | 104.0 | (79-121) |
| LCS2 | 1,1,1-Trichloroethane | 20 | 21.5 | UGL | 107.5 | (79-121) |
| MBLK | 1,1,1-Trichloroethane | ND | <0.5 | UGL | | |
| MS | 1,1,1-Trichloroethane | 10 | 12.1 | UGL | 121.0 | (75-144) |
| RPD_LCS | 1,1,1-Trichloroethane | 104.000 | 107.500 | UGL | 3.3 | (0-20) |
| LCS1 | Trichloroethylene (TCE) | 20 | 21.4 | UGL | 107.0 | (78-119) |
| LCS2 | Trichloroethylene (TCE) | 20 | 21.6 | UGL | 108.0 | (78-119) |
| MBLK | Trichloroethylene (TCE) | ND | <0.5 | UGL | | |
| MS | Trichloroethylene (TCE) | 10 | 11.8 | UGL | 118.0 | (71-139) |

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Tronox LLC - Henderson (continued)

| | | | | | | |
|---------|---------------------------|---------|---------|-----|-------|------------|
| RPD_LCS | Trichloroethylene (TCE) | 107.000 | 108.000 | UGL | 0.9 | (0-20) |
| LCS1 | Trichlorofluoromethane | 20 | 20.5 | UGL | 102.5 | (70-145) |
| LCS2 | Trichlorofluoromethane | 20 | 21.0 | UGL | 105.0 | (70-145) |
| MBLK | Trichlorofluoromethane | ND | <0.5 | UGL | | |
| MS | Trichlorofluoromethane | 10 | 11.5 | UGL | 115.0 | (63-161) |
| RPD_LCS | Trichlorofluoromethane | 102.500 | 105.000 | UGL | 2.4 | (0-20) |
| LCS1 | trans-1,3-Dichloropropene | 20 | 22.1 | UGL | 110.5 | (64-126) |
| LCS2 | trans-1,3-Dichloropropene | 20 | 21.8 | UGL | 109.0 | (64-126) |
| MBLK | trans-1,3-Dichloropropene | ND | <0.5 | UGL | | |
| MS | trans-1,3-Dichloropropene | 10 | 9.98 | UGL | 99.8 | (61-127) |
| RPD_LCS | trans-1,3-Dichloropropene | 110.500 | 109.000 | UGL | 1.4 | (0-20) |
| LCS1 | Tetrahydrofuran | 200 | 247 | UGL | 123.5 | (67-130) |
| LCS2 | Tetrahydrofuran | 200 | 258 | UGL | 129.0 | (67-130) |
| MBLK | Tetrahydrofuran | ND | <10 | UGL | | |
| MS | Tetrahydrofuran | 100 | 118 | UGL | 118.0 | (68-134) |
| RPD_LCS | Tetrahydrofuran | 123.500 | 129.000 | UGL | 4.4 | (0-20) |
| LCS1 | Toluene | 20 | 20.4 | UGL | 102.0 | (80-118) |
| LCS2 | Toluene | 20 | 20.0 | UGL | 100.0 | (80-118) |
| MBLK | Toluene | ND | <0.5 | UGL | | |
| MS | Toluene | 10 | 11.7 | UGL | 117.0 | (66-143) |
| RPD_LCS | Toluene | 102.000 | 100.000 | UGL | 2.0 | (0-20) |
| LCS1 | Vinyl Chloride (VC) | 20 | 20.0 | UGL | 100.0 | (66-140) |
| LCS2 | Vinyl Chloride (VC) | 20 | 20.3 | UGL | 101.5 | (66-140) |
| MBLK | Vinyl Chloride (VC) | ND | <0.5 | UGL | | |
| MS | Vinyl Chloride (VC) | 10 | 12.3 | UGL | 123.0 | (56-159) |
| RPD_LCS | Vinyl Chloride (VC) | 100.000 | 101.500 | UGL | 1.5 | (0-20) |
| LCS1 | Vinyl Acetate | 100 | 116 | UGL | 116.0 | (72-136) |
| LCS2 | Vinyl Acetate | 100 | 120 | UGL | 120.0 | (72-136) |
| MBLK | Vinyl Acetate | ND | <10 | UGL | | |
| MS | Vinyl Acetate | 50 | 62.9 | UGL | 125.8 | (55-146) |
| RPD_LCS | Vinyl Acetate | 116.000 | 120.000 | UGL | 3.4 | (0-20) |

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.



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Laboratory
QC Report
#257000

Tronox LLC - Henderson
(continued)

QC Ref #458748 Beryllium, Total, ICAP/MS

| QC | Analyte | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPD (%) |
|----------|---------------------------|----------|-----------|-------|-----------|------------|---------|
| AASPKSMP | Spiked sample | Lab # 28 | 10240001 | UGL | | (0-0) | |
| AASPKSMP | Spiked sample | Lab # 28 | 10270100 | UGL | | (0-0) | |
| LCS1 | Beryllium, Total, ICAP/MS | 5.00 | 4.85 | UGL | 97.0 | (85-115) | |
| LCS2 | Beryllium, Total, ICAP/MS | 5.00 | 4.82 | UGL | 96.4 | (85-115) | |
| MBLK | Beryllium, Total, ICAP/MS | ND | <1.0 | UGL | | | |
| MRL_CHK | Beryllium, Total, ICAP/MS | 1.000 | 1.06 | UGL | 106.0 | (50-150) | |
| MS | Beryllium, Total, ICAP/MS | 5.00 | 4.77 | UGL | 95.4 | (70-130) | |
| MS2 | Beryllium, Total, ICAP/MS | 5.00 | 4.93 | UGL | 98.6 | (70-130) | |
| MSD | Beryllium, Total, ICAP/MS | 5.00 | 4.91 | UGL | 98.2 | (70-130) | |
| MSD2 | Beryllium, Total, ICAP/MS | 5.00 | 5.02 | UGL | 100.4 | (70-130) | |
| RPD_LCS | Beryllium, Total, ICAP/MS | 97.000 | 96.400 | UGL | 0.6 | (0-20) | |
| RPD_MS | Beryllium, Total, ICAP/MS | 95.400 | 98.200 | UGL | 2.9 | (0-20) | |

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