



# MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91018-3629  
Tel: 626 386 1100  
Fax: 626 386 1101  
1 800 566 LABS (1 800 566 5227)

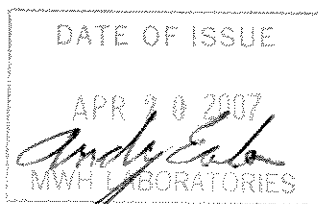
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 199707  
Project: CL04  
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 13 page[s].



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

199707

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

M/W LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FC

SAMPLE TEMP, RECEIPT AT LAB: 60

BLUE ICE:  FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:		PROJECT JOB # / P.O.#		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)		SAMPLER COMMENTS	
COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	(check for yrs)		
KERRMCGEE-MP	Collection Wells Fields - Weekly - SO #12373	Troxox LLC - Henderson Plant PO Box 55 Henderson, NV 89009							
Sampler: <u>Michele Brown</u> Susan Crowley (702) 651-2200									
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	CL04	TDS	SP
0530	3/26/07		ART-1	RSW	X		X		
0530	3/26/07		ART-2	RSW	X		X		
0530	3/26/07		ART-3	RSW	X		X		
0530	3/26/07		ART-4	RSW	X		X		
0530	3/26/07		ART-5	RSW	X		X		
0530	3/26/07		ART-6	RSW	X		X		
0530	3/26/07		ART-7	RSW	X		X		
0530	3/26/07		ART-8	RSW	X		X		
0600	3/26/07		PC-99R2/R3	RSW	X		X		
0600	3/26/07		PC-115R	RSW	X		X		
0600	3/26/07		PC-116R	RSW	X		X		
0600	3/26/07	Seep Surface Flow		RSW	X		X		

Reported by Volume:  
CFW = Chloraminated Finished Water  
FW = Other Finished Water

Reported by Weight:  
SO = Soil  
SL = Sludge

RGW = Raw Ground Water  
RSW = Raw Surface Water

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

RELINQUISHED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	<u>Michele Brown</u>	Michele Brown	Veolia Water for Troxox LLC - Henderson Plant	3/26/2007	1200pm
RELINQUISHED BY:	<u>[Signature]</u>				
RECEIVED BY:	<u>[Signature]</u>				

C-C-04

C/C/O4 Remediation/Chain of Custody Forms/MWH COC - ART Monthly

PAGE 1 of 4

327  
SCANNED



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

M/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FL

SAMPLE TEMP, RECEIPT AT LAB: 60c

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: PROJECT JOB # / P.O.#  
 KERRMCGEE-MP Collection Wells Fields - Monthly - SO#12373  
 Sampler Signature: Michele Brown  
 Susan Crowley (702) 651-2200  
 Tronox LLC - Henderson Plant LLC  
 PO Box 55  
 Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES  (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Total Cl <sub>2</sub>	TDS	OR	SAMPLER COMMENTS
6:00	3/26/07		SF-1	RSW	X		X	X		
6:00	3/26/07		PC-117	RSW	X		X	X		
6:00	3/26/07		PC-118	RSW	X		X	X		
6:00	3/26/07		PC-119	RSW	X		X	X		
6:00	3/26/07		PC-120	RSW	X		X	X		
6:00	3/26/07		PC-121	RSW	X		X	X		
6:00	3/26/07		PC-133	RSW	X		X	X		
5:30	3/26/07		ART-9	RSW	X		X	X		

\* MATRIX TYPES:

Reported by Volume:  
CFW = Chlor(amin)ated 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

PRINT NAME: Michele Brown

COMPANY/TITLE: Veolia Water for Tronox LLC - Henderson Plant

DATE: 3/26/2007

TIME: 1200pm

RELINQUISHED BY:

RECEIVED BY: [Signature]

Fred Choo

MWH

327 / 60c



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 Ironox LLC- Henderson Standing**

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

Client Code KERRMCGEE-MP  
 Project Code CLO4  
 PO# / Job# GWREMEDIATION  
 Blanket PO

Period  
 W Weekly  
 Week 1

**SO# 34855** 12373 RS

**Sampler: Please Return this Paper with your samples**

Created by

Order Date

02/26/07

Date Needed by Client

0 Ship Sample Kits to  
 Veolia Water-Tronox LLC  
 Gate 1  
 8000 West Lake Mead Drive  
 Henderson, NV 89015

Send Report to

Ironox LLC, Henderson Plant  
 P.O. Box 55  
 Henderson, NV 89009

Billing Address

Ironox LLC  
 Attn: Accounts Payable  
 P.O. BOX 268859  
 Oklahoma City, OK 73126-8859

Date Samples to Arrive at MWL

ATTN: Susan Crowley  
 PHONE: 702-651-2234

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

**Quote#**

**SHIP LOCATION**

# 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
30	CLO4, TDS,	1 250 ml poly /no preservative	-	Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC
-	SHEET OF LABELS WITH WELL-IDS	see comments section	-	PC-117, PC-118, PC-119, PC-120, and PC-121
-			-	PC-116R
-			-	PC-99R2
-			-	PC-99R3
-			-	PC-115R
-			-	ART-1
-			-	ART-2
-			-	ART-3
-			-	ART-4
-			-	ART-5
-			-	ART-6
-			-	ART-7
-			-	ART-8
-			-	Seep Surface Flow
-			-	SF-1*
-			-	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
-			-	Testcode updated 3-16-06
-			-	standing order changed 6-14-06
-			-	login note added 7-6-06
-			-	TDS

ActiveCode

Date Shipped

Carrier

Qty of Coolers

Tracking Number

Prepared By



**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#: 199707  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **03/27/07**. 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
2703270123	ART-1	CLO4 TDS	Water	26-mar-2007 05:30:00
2703270124	ART-2	CLO4 TDS	Water	26-mar-2007 05:30:00
2703270125	ART-3	CLO4 TDS	Water	26-mar-2007 05:30:00
2703270126	ART-4	CLO4 TDS	Water	26-mar-2007 05:30:00
2703270127	ART-6	CLO4 TDS	Water	26-mar-2007 05:30:00
2703270128	ART-7	CLO4 TDS	Water	26-mar-2007 05:30:00
2703270129	ART-8	CLO4 TDS	Water	26-mar-2007 05:30:00
2703270130	PC-99R2/R3	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270131	PC-115R	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270132	PC-116R	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270133	SEEP SURFACE FLOW	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270134	SF-1	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270135	PC-117	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270136	PC-118	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270137	PC-119	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270138	PC-120	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270139	PC-121	CLO4 TDS	Water	26-mar-2007 06:00:00

Tronox LLC - Henderson  
 PO Box 55  
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 Attn: Susan Crowley  
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Customer Code: KERRMCGEE-MP  
 PO#: Susan Crowley PO  
 Group#: 199707  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2703270140	PC-133	CLO4 TDS	Water	26-mar-2007 06:00:00
2703270141	ART-9	CLO4 TDS	Water	26-mar-2007 05:30:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)



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Report  
Comments  
#199707

## 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.

Client Signature: \_\_\_\_\_



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Laboratory  
Hits Report  
#199707

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

Samples Received  
27-mar-2007 13:48:50

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2703270123</b>	<b>ART-1</b>				
03/28/07	Perchlorate		135		ug/l	10
03/27/07	Total Dissolved Solid (TDS)		7250	500	mg/l	10
	<b>2703270124</b>	<b>ART-2</b>				
03/28/07	Perchlorate		115000		ug/l	20000
03/27/07	Total Dissolved Solid (TDS)		9370	500	mg/l	10
	<b>2703270125</b>	<b>ART-3</b>				
03/28/07	Perchlorate		367000		ug/l	40000
03/27/07	Total Dissolved Solid (TDS)		8530	500	mg/l	10
	<b>2703270126</b>	<b>ART-4</b>				
03/28/07	Perchlorate		345000		ug/l	40000
03/27/07	Total Dissolved Solid (TDS)		6280	500	mg/l	10
	<b>2703270127</b>	<b>ART-6</b>				
03/28/07	Perchlorate		80800		ug/l	20000
03/27/07	Total Dissolved Solid (TDS)		7300	500	mg/l	10
	<b>2703270128</b>	<b>ART-7</b>				
03/28/07	Perchlorate		132000		ug/l	20000
03/27/07	Total Dissolved Solid (TDS)		10400	500	mg/l	10
	<b>2703270129</b>	<b>ART-8</b>				

SUMMARY OF POSITIVE DATA ONLY.





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Samples Received  
27-mar-2007 13:48:50

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2703270129</b>	<b>ART-8</b>				
03/28/07	Perchlorate		318000		ug/l	40000
03/27/07	Total Dissolved Solid (TDS)		9700	500	mg/l	10
	<b>2703270130</b>	<b>PC-99R2/R3</b>				
03/28/07	Perchlorate		21400		ug/l	2000
03/27/07	Total Dissolved Solid (TDS)		5160	500	mg/l	10
	<b>2703270131</b>	<b>PC-115R</b>				
03/28/07	Perchlorate		16900		ug/l	2000
03/27/07	Total Dissolved Solid (TDS)		4910	500	mg/l	10
	<b>2703270132</b>	<b>PC-116R</b>				
03/28/07	Perchlorate		14100		ug/l	2000
03/27/07	Total Dissolved Solid (TDS)		5110	500	mg/l	10
	<b>2703270133</b>	<b>SEEP SURFACE FLOW</b>				
03/28/07	Perchlorate		2390		ug/l	200
03/27/07	Total Dissolved Solid (TDS)		3350	500	mg/l	10
	<b>2703270134</b>	<b>SF-1</b>				
03/27/07	Total Dissolved Solid (TDS)		5980	500	mg/l	10
	<b>2703270135</b>	<b>PC-117</b>				
04/04/07	Perchlorate		6120		ug/l	400

SUMMARY OF POSITIVE DATA ONLY.



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#199707

Tronox LLC - Henderson  
Susan Crowley  
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Henderson , NV 89009

Samples Received  
27-mar-2007 13:48:50

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2703270135	PC-117				
03/27/07		Total Dissolved Solid (TDS)	4250	500	mg/l	10
	2703270136	PC-118				
03/29/07		Perchlorate	11900		ug/l	2000
03/28/07		Total Dissolved Solid (TDS)	4800	500	mg/l	10
	2703270137	PC-119				
04/18/07		Perchlorate	6890		ug/l	800
03/28/07		Total Dissolved Solid (TDS)	3780	500	mg/l	10
	2703270138	PC-120				
03/29/07		Perchlorate	2460		ug/l	400
03/28/07		Total Dissolved Solid (TDS)	2960	500	mg/l	10
	2703270139	PC-121				
04/04/07		Perchlorate	1820		ug/l	400
03/28/07		Total Dissolved Solid (TDS)	2810	500	mg/l	10
	2703270140	PC-133				
04/04/07		Perchlorate	8430		ug/l	400
03/28/07		Total Dissolved Solid (TDS)	5060	500	mg/l	10
	2703270141	ART-9				
04/04/07		Perchlorate	306000		ug/l	20000

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Laboratory  
Hits Report  
#199707

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

Samples Received  
27-mar-2007 13:48:50

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2703270141	ART-9				
03/28/07	Total Dissolved Solid (TDS)		7740	500	mg/l	10



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Laboratory  
 Data Report  
 #199707

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

Samples Received  
 03/27/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>ART-1 (2703270123)      Sampled on 03/26/07 05:30</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	135	ug/l	10	5
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	7250	mg/l	10	1
<b>ART-2 (2703270124)      Sampled on 03/26/07 05:30</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	115000	ug/l	20000	5000
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	9370	mg/l	10	1
<b>ART-3 (2703270125)      Sampled on 03/26/07 05:30</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	367000	ug/l	40000	10000
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	8530	mg/l	10	1
<b>ART-4 (2703270126)      Sampled on 03/26/07 05:30</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	345000	ug/l	40000	10000
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	6280	mg/l	10	1
<b>ART-6 (2703270127)      Sampled on 03/26/07 05:30</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	80800	ug/l	20000	5000
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	7300	mg/l	10	1
<b>ART-7 (2703270128)      Sampled on 03/26/07 05:30</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	132000	ug/l	20000	5000
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	10400	mg/l	10	1
<b>ART-8 (2703270129)      Sampled on 03/26/07 05:30</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	318000	ug/l	40000	10000
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	9700	mg/l	10	1



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 #199707

Tronox LLC - Henderson  
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-99R2/R3 (2703270130)                    Sampled on 03/26/07 06:00</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	21400	ug/l	2000	500
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	5160	mg/l	10	1
<b>PC-115R (2703270131)                    Sampled on 03/26/07 06:00</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	16900	ug/l	2000	500
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	4910	mg/l	10	1
<b>PC-116R (2703270132)                    Sampled on 03/26/07 06:00</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	14100	ug/l	2000	500
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	5110	mg/l	10	1
<b>SEEP SURFACE FLOW (2703270133)                    Sampled on 03/26/07 06:00</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	2390	ug/l	200	50
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	3350	mg/l	10	1
<b>SF-1 (2703270134)                    Sampled on 03/26/07 06:00</b>								
	03/28/07 00:00	359488	( EPA 314	) Perchlorate	ND	ug/l	10	5
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	5980	mg/l	10	1
<b>PC-117 (2703270135)                    Sampled on 03/26/07 06:00</b>								
	04/04/07 00:00	360371	( EPA 314	) Perchlorate	6120	ug/l	400	100
03/27/07	03/27/07 15:28	359351	( SM 2540C	) Total Dissolved Solid (TDS)	4250	mg/l	10	1
<b>PC-118 (2703270136)                    Sampled on 03/26/07 06:00</b>								
	03/29/07 00:00	359488	( EPA 314	) Perchlorate	11900	ug/l	2000	500
03/28/07	03/28/07 17:40	359537	( SM 2540C	) Total Dissolved Solid (TDS)	4800	mg/l	10	1
<b>PC-119 (2703270137)                    Sampled on 03/26/07 06:00</b>								
	04/18/07 00:00	362224	( EPA 314	) Perchlorate	6890	ug/l	800	200
03/28/07	03/28/07 18:20	359538	( SM 2540C	) Total Dissolved Solid (TDS)	3780	mg/l	10	1



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Laboratory  
Data Report  
#199707

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-120 (2703270138)</b>				<b>Sampled on 03/26/07 06:00</b>				
	03/29/07 00:00	359488	( EPA 314 )	Perchlorate	2460	ug/l	400	100
03/28/07	03/28/07 18:20	359538	( SM 2540C )	Total Dissolved Solid (TDS)	2960	mg/l	10	1
<b>PC-121 (2703270139)</b>				<b>Sampled on 03/26/07 06:00</b>				
	04/04/07 00:00	360371	( EPA 314 )	Perchlorate	1820	ug/l	400	100
03/28/07	03/28/07 18:20	359538	( SM 2540C )	Total Dissolved Solid (TDS)	2810	mg/l	10	1
<b>PC-133 (2703270140)</b>				<b>Sampled on 03/26/07 06:00</b>				
	04/04/07 00:00	360371	( EPA 314 )	Perchlorate	8430	ug/l	400	100
03/28/07	03/28/07 18:20	359538	( SM 2540C )	Total Dissolved Solid (TDS)	5060	mg/l	10	1
<b>ART-9 (2703270141)</b>				<b>Sampled on 03/26/07 05:30</b>				
	04/04/07 00:00	360371	( EPA 314 )	Perchlorate	306000	ug/l	20000	5000
03/28/07	03/28/07 17:40	359537	( SM 2540C )	Total Dissolved Solid (TDS)	7740	mg/l	10	1



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Laboratory  
QC Summary  
#199707

Tronox LLC - Henderson

**QC Ref #359351 - Total Dissolved Solid (TDS) Analysis Date: 03/27/2007**

2703270123	ART-1	Analyzed by: anh
2703270124	ART-2	Analyzed by: anh
2703270125	ART-3	Analyzed by: anh
2703270126	ART-4	Analyzed by: anh
2703270127	ART-6	Analyzed by: anh
2703270128	ART-7	Analyzed by: anh
2703270129	ART-8	Analyzed by: anh
2703270130	PC-99R2/R3	Analyzed by: anh
2703270131	PC-115R	Analyzed by: anh
2703270132	PC-116R	Analyzed by: anh
2703270133	SEEP SURFACE FLOW	Analyzed by: anh
2703270134	SF-1	Analyzed by: anh
2703270135	PC-117	Analyzed by: anh

**QC Ref #359488 - Perchlorate Analysis Date: 03/28/2007**

2703270123	ART-1	Analyzed by: raja
2703270124	ART-2	Analyzed by: raja
2703270125	ART-3	Analyzed by: raja
2703270126	ART-4	Analyzed by: raja
2703270127	ART-6	Analyzed by: raja
2703270128	ART-7	Analyzed by: raja
2703270129	ART-8	Analyzed by: raja
2703270130	PC-99R2/R3	Analyzed by: raja
2703270131	PC-115R	Analyzed by: raja
2703270132	PC-116R	Analyzed by: raja
2703270133	SEEP SURFACE FLOW	Analyzed by: raja
2703270134	SF-1	Analyzed by: raja
2703270136	PC-118	Analyzed by: raja
2703270138	PC-120	Analyzed by: raja

**QC Ref #359537 - Total Dissolved Solid (TDS) Analysis Date: 03/28/2007**

2703270136	PC-118	Analyzed by: anh
2703270141	ART-9	Analyzed by: anh



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Tronox LLC - Henderson  
(continued)

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QC Ref #359538 - Total Dissolved Solid (TDS) Analysis Date: 03/28/2007

2703270137	PC-119	Analyzed by: anh
2703270138	PC-120	Analyzed by: anh
2703270139	PC-121	Analyzed by: anh
2703270140	PC-133	Analyzed by: anh

QC Ref #360371 - Perchlorate Analysis Date: 04/04/2007

2703270135	PC-117	Analyzed by: raja
2703270139	PC-121	Analyzed by: raja
2703270140	PC-133	Analyzed by: raja
2703270141	ART-9	Analyzed by: raja

QC Ref #362224 - Perchlorate Analysis Date: 04/18/2007

2703270137	PC-119	Analyzed by: clv
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Tronox LLC - Henderson

QC Ref #359351                      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	03260190	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	106	114	MGL		( 0-10 )	7.3
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	662	MGL	94.6	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	94.571	MGL	5.9	( 0-20 )	

QC Ref #359488                      Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	03270305	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.9	UGL	107.6	( 85-115 )	
LCS2	Perchlorate	25.0	26.9	UGL	107.6	( 85-115 )	
LCS3	Perchlorate	4	4.50	UGL	112.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.2	UGL	92.8	( 70-130 )	
MSD	Perchlorate	25.0	22.5	UGL	90.0	( 70-130 )	
RPD_LCS	Perchlorate	107.600	107.600	UGL	0.0	( 0-20 )	
RPD_MS	Perchlorate	92.800	90.000	UGL	3.1	( 0-20 )	

QC Ref #359537                      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	03270279	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	364	356	MGL		( 0-10 )	2.2
LCS1	Total Dissolved Solid (TDS)	175	154	MGL	88.0	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	658	MGL	94.0	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	88.000	94.000	MGL	6.6	( 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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**QC Ref #359538 Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	lab # 27	03270137	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	3780	3760	MGL		( 0-10 )	0.5
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	660	MGL	94.3	( 85-115 )	
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)	93.714	94.286	MGL	0.6	( 0-20 )	

**QC Ref #360371 Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	03290273	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.7	UGL	102.8	( 85-115 )	
LCS2	Perchlorate	25.0	24.9	UGL	99.6	( 85-115 )	
LCS3	Perchlorate	4	4.28	UGL	107.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.2	UGL	92.8	( 70-130 )	
MSD	Perchlorate	25.0	23.3	UGL	93.2	( 70-130 )	
RPD_LCS	Perchlorate	102.800	99.600	UGL	3.2	( 0-20 )	
RPD_MS	Perchlorate	92.800	93.200	UGL	0.4	( 0-20 )	

**QC Ref #362224 Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04160262	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	( 85-115 )	
LCS2	Perchlorate	25.0	26.1	UGL	104.4	( 85-115 )	
LCS3	Perchlorate	2	2.00	UGL	100.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			

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MS	Perchlorate	10.0	9.42	UGL	94.2	( 70-130 )
MSD	Perchlorate	10.0	9.65	UGL	96.5	( 70-130 )
RPD_LCS	Perchlorate	104.000	104.400	UGL	0.4	( 0-20 )
RPD_MS	Perchlorate	94.200	96.500	UGL	2.4	( 0-20 )

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