



MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3829
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE
Jul 07 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 270704R
Project: CLO4
PO#: Susan Crowle

Report#270704R replaces the original Report.

This report shall not be reproduced except in full, without the written approval of the laboratory.
Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 20 page[s].



MWH

BUILDING A BETTER WORLD

July 7, 2009

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

Subject: Case Narrative report 270704R

Sample receipt: The samples arrived at MWH on May 13, 2009, with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:

Report revised because data pages did not print in original version.

For the MWH Laboratories data the following issues were observed:

Nitrate was analyzed on several samples by the colorimetric method (353.2) rather than ion chromatography because of the high level of salts in the samples, preventing accurate quantitation by IC. Even though this is not a RCRA method, it was approved by NDEP certification authorities due to the matrix. These analyses were conducted out of unpreserved bottles after the 48 hour holding time; however nitrate is normally quite stable in waters such as these groundwaters.

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

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

Sincerely yours,

Andrew Eaton, PhD
Project Manager

270764



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

MW LABS USE ONLY:

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

SAMPLES CHECKED/LOGGED IN BY: JS
 SAMPLE TEMP, RECEIPT AT LAB: 3
 BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

LOGIN COMMENTS: _____

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)				SAMPLER COMMENTS
							CLO	TDS	CR6010	NO3	
6:49	5/12/09		PC-91	RSW	X		X	X	X		
6:28	5/12/09		PC-86	RSW	X		X	X	X		
6:12	5/12/09		PC-90	RSW	X		X	X	X		
8:57	5/12/09		PC-103	RSW	X		X	X	X		
8:32	5/12/09		MW-K5	RSW	X		X	X	X		
10:17	5/11/09		PC-56	RSW	X		X	X	X		
10:50	5/11/09		PC-68	RSW	X		X	X	X		
10:26	5/11/09		PC-60	RSW	X		X	X	X		
10:09	5/11/09		PC-58	RSW	X		X	X	X		
10:42	5/11/09		PC-62	RSW	X		X	X	X		
10:34	5/11/09		PC-59	RSW	X		X	X	X		
9:24	5/12/09		PC-98R	RSW	X		X	X	X		

Reported by Weight:
 SO = Soil
 SL = Sludge

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

Reported by Weight:
 CW = Chlorinated Waste Water
 WW = Other Waste Water
 SW = Storm Water

RGW = Raw Ground Water
 RSW = Raw Surface Water

COMPANY/TITLE

RELINQUISHED BY: <u>Michele Brown</u>	SIGNATURE	DATE	TIME
RECEIVED BY: <u>Joe Sanchez</u>	PRINT NAME	5/12/2009	1200pm
RELINQUISHED BY:		5-13-09	10:30
RECEIVED BY:			



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

MWLABS USE ONLY:

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: SS/AS

SAMPLE TEMP, RECEIPT AT LAB: 3°

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER: PROJECT JOB # / P.O.# REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes)

COMPANY / PROJECT NAME: KERRMCGEE-IP Collection Wells Fields - Monthly - SO #12374

SAMPLER: Michele Brown
Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3							SAMPLER COMMENTS	
							CLO	TDS	CR6010	CLO3	NO3				
8:06	5/12/09		MW-K4	RSW	X		X	X							
7:18	5/12/09		ARP-7	RSW	X		X	X							
5:20	5/12/09		M-87	RSW	X		X	X							
5:57	5/12/09		PC-97	RSW	X		X	X							
7:32	5/12/09		ARP-6B	RSW	X		X	X							
7:41	5/12/09		ARP-5A	RSW	X		X	X							
7:53	5/12/09		ARP-4A	RSW	X		X	X							
8:19	5/12/09		PC-53	RSW	X		X	X							

* MATRIX TYPES: Reported by Volume: CFW = Chlor(am)inated 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

SIGNATURE: Michele Brown PRINT NAME: Michele Brown
 RECEIVED BY: Joe Sanchez COMPANY/TITLE: Veolia Water for Tronox LLC - Henderson Plant
 RELINQUISHED BY: Joe Sanchez DATE: 5-12-09 TIME: 10:30
 RECEIVED BY: _____



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

Bottle Order for Kerr McGee Chemical Company - Henderson

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

Client Code KERRMCGEE-MP

Period M Monthly

Project Code CLO4

PO# / Job# GWREMEDICATION

Blanket PO

SO# 29568 ¹²³⁷⁴ RS

Sampler: Please Return this Paper with your samples

Created by 0 Ship Sample Kits to

Order Date 04/10/06

Date Needed by Client

Date Samples to Arrive at MWL

SHIPLOCATION

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

Billing Address

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

ATTN: Susan Crowley
PHONE: 702-651-2234

ATTN: Susan Crowley
PHONE: 702-651-2234

FAX: 702-651-2310

Quote#

of Samples Tests

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

UN#

Important Comments

41 CLO4, EC9050

1 125ml poly /no preservative

These sites are monthly till further notice.

SHEET OF LABELS WITH WEI...IDS
see comments section

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

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

EXTRA BOTTLES INCLUDED

client code changed 7/25/03

bottle order and IDs updated

9/9/03

testcodes updated 3-16-06

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



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

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

Client Code KERRMCGEE-MP Q Quarterly Period

Project Code CLO4
 PO# / Job#
 Blanket PO

SO# 37074 18486 RS

Sampler: Please Return this Paper with your samples

Created by 0

Order Date 07/03/07

Date Needed by Client

Date Samples to Arrive at MWL

SHIP-LOCATION

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

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

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

ATTN: Susan Crowley
 PHONE: 702-651-2234

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

Quote#

of Samples Tests

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

UN#

Important Comments

70	CR	1	250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	PLEASE SHIP WITH STANDING ORDER 12374
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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#: 270704
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on 05/13/09. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2905130175	PC-91		Water	12-may-2009 06:49:00
		CLO39056 CLO4	CR6010 NO39056	P T
		TDS		
2905130176	PC-86		Water	12-may-2009 06:28:00
		CLO39056 CLO4	CR6010 NO39056	P T
		TDS		
2905130177	PC-90		Water	12-may-2009 06:12:00
		CLO39056 CLO4	CR6010 NO39056	P T
		TDS		
2905130178	PC-103		Water	12-may-2009 08:57:00
		CLO39056 CLO4	CR6010 NO39056	P T
		TDS		
2905130179	MW-K5		Water	12-may-2009 08:32:00
		CLO39056 CLO4	CR6010 NO39056	P T
		TDS		
2905130180	PC-56		Water	11-may-2009 10:17:00
		CLO4 CR6010	P T	TDS
2905130181	PC-68		Water	11-may-2009 10:50:00
		CLO4 CR6010	P T	TDS
2905130182	PC-60		Water	11-may-2009 10:26:00
		CLO4 CR6010	P T	TDS
2905130183	PC-58		Water	11-may-2009 10:09:00
		CLO4 CR6010	P T	TDS
2905130184	PC-62		Water	11-may-2009 10:42:00
		CLO4 CR6010	P T	TDS
2905130185	PC-59		Water	11-may-2009 10:34:00
		CLO4 CR6010	P T	TDS
2905130186	PC-98R		Water	11-may-2009 09:24:00
		CLO4 CR6010	P T	TDS
2905130187	MW-K4		Water	12-may-2009 08:06:00
		CLO4 CR6010	P T	TDS
2905130188	ARP-7		Water	12-may-2009 07:18:00
		CLO4 CR6010	P T	TDS

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#: 270704
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2905130189	M-87	CLO4 CR6010	Water P T	12-may-2009 05:20:00 TDS
2905130190	PC-97	CLO4 CR6010	Water P T	12-may-2009 05:57:00 TDS
2905130191	ARP-6B	CLO4 CR6010	Water P T	12-may-2009 07:32:00 TDS
2905130192	ARP-5A	CLO4 CR6010	Water P T	12-may-2009 07:41:00 TDS
2905130193	ARP-4A	CLO4 CR6010	Water P T	12-may-2009 07:53:00 TDS
2905130194	PC-53	CLO4 CR6010	Water P T	12-may-2009 08:19:00 TDS

Test Acronym Description

Test Acronym	Description
CLO39056	Chlorate by IC
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
NO39056	Nitrate as Nitrogen by IC
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



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Report
Comments
#270704

Client Specific Comments

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

Signature: _____

Group Comments

Report revised. Correction on QC qualifiers.

(QC Ref#: 2905130175)

Test: Nitrate + Nitrite as N by RFA (EPA 353.2)

Q5 - Sample received with inadequate chemical preservation, but preserved by the laboratory.

(QC Ref#: 2905130178)

Test: Nitrate + Nitrite as N by RFA (EPA 353.2)

Q5 - Sample received with inadequate chemical preservation, but preserved by the laboratory.



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Laboratory
 Hits Report
 #270704

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

Samples Received
 13-may-2009 19:40:58

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905130175	PC-91				
05/20/09	Chlorate by IC		64400		ug/l	1000
06/08/09	Metals digestion performed.		Y		Yes/No	
06/08/09	Nitrate + Nitrite as N by RFA		9.1	10	mg/l	1.0
06/04/09	Perchlorate		30200		ug/l	4000
05/18/09	Total Dissolved Solid (TDS)		7510	500	mg/l	10
	2905130176	PC-86				
06/04/09	Chlorate by IC		231		ug/l	50
06/04/09	Perchlorate		1380		ug/l	80
05/18/09	Total Dissolved Solid (TDS)		2560	500	mg/l	10
	2905130177	PC-90				
05/20/09	Chlorate by IC		15000		ug/l	1000
06/09/09	Chromium, Total, ICAP		0.01		mg/l	0.010
06/08/09	Metals digestion performed.		Y		Yes/No	
05/13/09	Nitrate as Nitrogen by IC		6.9		mg/l	5.0
06/04/09	Perchlorate		7330		ug/l	800
05/18/09	Total Dissolved Solid (TDS)		3900	500	mg/l	10
	2905130178	PC-103				
05/20/09	Chlorate by IC		3530		ug/l	1000
06/08/09	Metals digestion performed.		Y		Yes/No	
06/08/09	Nitrate + Nitrite as N by RFA		5.7	10	mg/l	1.0
06/04/09	Perchlorate		14200		ug/l	800
05/18/09	Total Dissolved Solid (TDS)		5730	500	mg/l	10
	2905130179	MW-K5				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Hits Report
 #270704

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

Samples Received
 13-may-2009 19:40:58

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905130179	MW-K5				
05/20/09			Chlorate by IC	53100	ug/l	1000
06/09/09			Chromium, Total, ICAP	0.022	mg/l	0.010
05/13/09			Nitrate as Nitrogen by IC	12.1	mg/l	10
06/04/09			Perchlorate	14300	ug/l	800
05/18/09			Total Dissolved Solid (TDS)	7280	mg/l	10
	2905130180	PC-56				
06/08/09			Chromium, Total, ICAP	0.063	mg/l	0.010
06/08/09			Metals digestion performed.	Y	Yes/No	
06/04/09			Perchlorate	5160	ug/l	400
05/18/09			Total Dissolved Solid (TDS)	2810	mg/l	10
	2905130181	PC-68				
06/08/09			Chromium, Total, ICAP	0.034	mg/l	0.020
06/08/09			Metals digestion performed.	Y	Yes/No	
06/04/09			Perchlorate	142	ug/l	20
05/18/09			Total Dissolved Solid (TDS)	2110	mg/l	10
	2905130182	PC-60				
06/08/09			Metals digestion performed.	Y	Yes/No	
06/04/09			Perchlorate	7840	ug/l	400
05/18/09			Total Dissolved Solid (TDS)	4220	mg/l	10
	2905130183	PC-58				
06/08/09			Chromium, Total, ICAP	0.11	mg/l	0.010

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Hits Report
 #270704

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

Samples Received
 13-may-2009 19:40:58

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905130183	PC-58				
06/08/09		Metals digestion performed.	Y		Yes/No	
06/08/09		Perchlorate	10300		ug/l	800
05/18/09		Total Dissolved Solid (TDS)	7530	500	mg/l	10
	2905130184	PC-62				
06/08/09		Metals digestion performed.	Y		Yes/No	
06/08/09		Perchlorate	2870		ug/l	200
05/18/09		Total Dissolved Solid (TDS)	3230	500	mg/l	10
	2905130185	PC-59				
06/09/09		Chromium, Total, ICAP	0.028		mg/l	0.010
06/08/09		Metals digestion performed.	Y		Yes/No	
06/04/09		Perchlorate	6790		ug/l	400
05/18/09		Total Dissolved Solid (TDS)	4520	500	mg/l	10
	2905130186	PC-98R				
06/09/09		Chromium, Total, ICAP	0.029		mg/l	0.020
06/04/09		Perchlorate	17800		ug/l	2000
05/18/09		Total Dissolved Solid (TDS)	7600	500	mg/l	10
	2905130187	MW-K4				
06/09/09		Chromium, Total, ICAP	0.11		mg/l	0.020
06/04/09		Perchlorate	181000		ug/l	8000
05/18/09		Total Dissolved Solid (TDS)	6760	500	mg/l	10
	2905130188	ARP-7				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#270704

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

Samples Received
13-may-2009 19:40:58

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905130188	ARP-7				
06/09/09		Chromium, Total, ICAP	0.039		mg/l	0.020
06/08/09		Metals digestion performed.	Y		Yes/No	
06/04/09		Perchlorate	5830		ug/l	400
05/18/09		Total Dissolved Solid (TDS)	7050	500	mg/l	10
	2905130189	M-87				
06/09/09		Chromium, Total, ICAP	3.2		mg/l	0.050
06/08/09		Metals digestion performed.	Y		Yes/No	
06/04/09		Perchlorate	346000		ug/l	20000
05/18/09		Total Dissolved Solid (TDS)	4530	500	mg/l	10
	2905130190	PC-97				
06/08/09		Metals digestion performed.	Y		Yes/No	
06/04/09		Perchlorate	713		ug/l	40
05/18/09		Total Dissolved Solid (TDS)	2500	500	mg/l	10
	2905130191	ARP-6B				
06/08/09		Chromium, Total, ICAP	0.10		mg/l	0.020
06/08/09		Metals digestion performed.	Y		Yes/No	
06/04/09		Perchlorate	15300		ug/l	800
05/18/09		Total Dissolved Solid (TDS)	8480	500	mg/l	10
	2905130192	ARP-5A				
06/08/09		Chromium, Total, ICAP	0.063		mg/l	0.010
06/08/09		Metals digestion performed.	Y		Yes/No	



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Tronox LLC - Henderson
 Susan Crowley
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 Henderson , NV 89009

Samples Received
 13-may-2009 19:40:58

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905130192	ARP-5A				
06/04/09	Perchlorate		22500		ug/l	2000
05/18/09	Total Dissolved Solid (TDS)		6290	500	mg/l	10
	2905130193	ARP-4A				
06/08/09	Metals digestion performed.		Y		Yes/No	
06/04/09	Perchlorate		27400		ug/l	2000
05/18/09	Total Dissolved Solid (TDS)		4640	500	mg/l	10
	2905130194	PC-53				
06/17/09	Chromium, Total, ICAP		0.025		mg/l	0.010
06/15/09	Metals digestion performed.		Y		Yes/No	
06/04/09	Perchlorate		4470		ug/l	200
05/18/09	Total Dissolved Solid (TDS)		5050	500	mg/l	10



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Laboratory
Data Report
#270704

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

Samples Received
05/13/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-91 (2905130175) Sampled on 05/12/09 06:49								
	05/20/09 12:10	485614	(ML/EPA 9056)	Chlorate by IC	64400	ug/l	1000	100
	06/04/09 15:41	487101	(EPA 314)	Perchlorate	30200	ug/l	4000	1000
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	06/08/09 21:13	487354	(EPA 353.2)	Nitrate + Nitrite as N by RFA	9.1(Q5)	mg/l	1.0	20
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7510	mg/l	10	1
PC-86 (2905130176) Sampled on 05/12/09 06:28								
	06/04/09 00:00	487113	(ML/EPA 9056)	Chlorate by IC	231	ug/l	50	5
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	1380	ug/l	80	20
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	05/13/09 15:06	485112	(ML/EPA 9056)	Nitrate as Nitrogen by IC	ND	mg/l	5.0	50
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2560	mg/l	10	1
PC-90 (2905130177) Sampled on 05/12/09 06:12								
	05/20/09 12:10	485614	(ML/EPA 9056)	Chlorate by IC	15000	ug/l	1000	100
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	7330	ug/l	800	200
06/09/09	06/09/09 00:00	487356	(ML/EPA 6010B)	Chromium, Total, ICAP	0.01	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/13/09 14:53	485112	(ML/EPA 9056)	Nitrate as Nitrogen by IC	6.9	mg/l	5.0	50
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3900	mg/l	10	1
PC-103 (2905130178) Sampled on 05/12/09 08:57								
	05/20/09 12:10	485614	(ML/EPA 9056)	Chlorate by IC	3530	ug/l	1000	100
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	14200	ug/l	800	200
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	06/08/09 21:13	487354	(EPA 353.2)	Nitrate + Nitrite as N by RFA	5.7(Q5)	mg/l	1.0	20
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5730	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MW-K5 (2905130179) Sampled on 05/12/09 08:32								
	05/20/09 12:10	485614	(ML/EPA 9056)	Chlorate by IC	53100	ug/l	1000	100
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	14300	ug/l	800	200
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	0.022	mg/l	0.010	1
	05/13/09 20:28	484746	(ML/EPA 9056)	Nitrate as Nitrogen by IC	12.1	mg/l	10	100
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7280	mg/l	10	1
PC-56 (2905130180) Sampled on 05/11/09 10:17								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	5160	ug/l	400	100
06/03/09	06/08/09 00:00	487112	(ML/EPA 6010B)	Chromium, Total, ICAP	0.063	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2810	mg/l	10	1
PC-68 (2905130181) Sampled on 05/11/09 10:50								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	142	ug/l	20	5
06/01/09	06/08/09 00:00	487106	(ML/EPA 6010B)	Chromium, Total, ICAP	0.034	mg/l	0.020	2
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2110	mg/l	10	1
PC-60 (2905130182) Sampled on 05/11/09 10:26								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	7840	ug/l	400	100
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 23:15	485599	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4220	mg/l	10	1
PC-58 (2905130183) Sampled on 05/11/09 10:09								
	06/08/09 19:25	487685	(EPA 314)	Perchlorate	10300	ug/l	800	200
06/03/09	06/08/09 00:00	487112	(ML/EPA 6010B)	Chromium, Total, ICAP	0.11	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 23:15	485599	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7530	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-62 (2905130184) Sampled on 05/11/09 10:42								
	06/08/09 19:25	487685	(EPA 314)	Perchlorate	2870	ug/l	200	50
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 23:15	485599	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3230	mg/l	10	1
PC-59 (2905130185) Sampled on 05/11/09 10:34								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	6790	ug/l	400	100
06/09/09	06/09/09 00:00	487356	(ML/EPA 6010B)	Chromium, Total, ICAP	0.028	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 23:15	485599	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4520	mg/l	10	1
PC-98R (2905130186) Sampled on 05/11/09 09:24								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	17800	ug/l	2000	500
06/09/09	06/09/09 00:00	487356	(ML/EPA 6010B)	Chromium, Total, ICAP	0.029	mg/l	0.020	2
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7600	mg/l	10	1
MW-K4 (2905130187) Sampled on 05/12/09 08:06								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	181000	ug/l	8000	2000
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	0.11	mg/l	0.020	2
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6760	mg/l	10	1
ARP-7 (2905130188) Sampled on 05/12/09 07:18								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	5830	ug/l	400	100
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	0.039	mg/l	0.020	2
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7050	mg/l	10	1
M-87 (2905130189) Sampled on 05/12/09 05:20								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	346000	ug/l	20000	5000
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	3.2	mg/l	0.050	5
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4530	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-97 (2905130190) Sampled on 05/12/09 05:57								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	713	ug/l	40	10
06/03/09	06/08/09 00:00	487112	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2500	mg/l	10	1
ARP-6B (2905130191) Sampled on 05/12/09 07:32								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	15300	ug/l	800	200
06/01/09	06/08/09 00:00	487106	(ML/EPA 6010B)	Chromium, Total, ICAP	0.10	mg/l	0.020	2
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8480	mg/l	10	1
ARP-5A (2905130192) Sampled on 05/12/09 07:41								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	22500	ug/l	2000	500
06/03/09	06/08/09 00:00	487112	(ML/EPA 6010B)	Chromium, Total, ICAP	0.063	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6290	mg/l	10	1
ARP-4A (2905130193) Sampled on 05/12/09 07:53								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	27400	ug/l	2000	500
06/03/09	06/08/09 00:00	487112	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4640	mg/l	10	1
PC-53 (2905130194) Sampled on 05/12/09 08:19								
	06/04/09 10:33	487097	(EPA 314)	Perchlorate	4470	ug/l	200	50
06/15/09	06/17/09 00:00	488229	(ML/EPA 6010B)	Chromium, Total, ICAP	0.025	mg/l	0.010	1
	06/15/09 11:54		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/18/09	05/18/09 21:15	485635	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5050	mg/l	10	1



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QC Ref #484746 - Nitrate as Nitrogen by IC Analysis Date: 05/13/2009

2905130179 MW-K5

QC Ref #485112 - Nitrate as Nitrogen by IC Analysis Date: 05/13/2009

2905130176 PC-86
2905130177 PC-90

QC Ref #485599 - Total Dissolved Solid (TDS) Analysis Date: 05/18/2009

2905130182 PC-60
2905130183 PC-58
2905130184 PC-62
2905130185 PC-59

QC Ref #485614 - Chlorate by IC Analysis Date: 05/20/2009

2905130175 PC-91
2905130177 PC-90
2905130178 PC-103
2905130179 MW-K5

QC Ref #485635 - Total Dissolved Solid (TDS) Analysis Date: 05/18/2009

2905130175 PC-91
2905130176 PC-86
2905130177 PC-90
2905130178 PC-103
2905130179 MW-K5
2905130180 PC-56
2905130181 PC-68
2905130186 PC-98R
2905130187 MW-K4
2905130188 ARP-7
2905130189 M-87
2905130190 PC-97
2905130191 ARP-6B
2905130192 ARP-5A
2905130193 ARP-4A
2905130194 PC-53



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QC Ref #487097 - Perchlorate

Analysis Date: 06/04/2009

2905130176	PC-86
2905130177	PC-90
2905130178	PC-103
2905130179	MW-K5
2905130180	PC-56
2905130181	PC-68
2905130182	PC-60
2905130185	PC-59
2905130186	PC-98R
2905130187	MW-K4
2905130188	ARP-7
2905130189	M-87
2905130190	PC-97
2905130191	ARP-6B
2905130192	ARP-5A
2905130193	ARP-4A
2905130194	PC-53

QC Ref #487101 - Perchlorate

Analysis Date: 06/04/2009

2905130175	PC-91
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QC Ref #487106 - Chromium, Total, ICAP

Analysis Date: 06/08/2009

2905130181	PC-68
2905130191	ARP-6B

QC Ref #487112 - Chromium, Total, ICAP

Analysis Date: 06/08/2009

2905130180	PC-56
2905130183	PC-58
2905130190	PC-97
2905130192	ARP-5A
2905130193	ARP-4A



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Tronox LLC - Henderson
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QC Ref #487113 - Chlorate by IC

Analysis Date: 06/04/2009

2905130176 PC-86

QC Ref #487350 - Chromium, Total, ICAP

Analysis Date: 06/09/2009

2905130175 PC-91
2905130176 PC-86
2905130178 PC-103
2905130179 MW-K5
2905130182 PC-60
2905130184 PC-62
2905130187 MW-K4
2905130188 ARP-7
2905130189 M-87

QC Ref #487354 - Nitrate + Nitrite as N by RFA Analysis Date: 06/08/2009

2905130175 PC-91
2905130178 PC-103

QC Ref #487356 - Chromium, Total, ICAP

Analysis Date: 06/09/2009

2905130177 PC-90
2905130185 PC-59
2905130186 PC-98R

QC Ref #487685 - Perchlorate

Analysis Date: 06/08/2009

2905130183 PC-58
2905130184 PC-62



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QC Ref #488229 - Chromium, Total, ICAP

Analysis Date: 06/17/2009

2905130194

PC-53



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QC Ref #484746 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05140069	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.40	MGL	96.0	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.50	MGL	100.0	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.038	MGL	76.0	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.28	MGL	102.4	(87-121)	
MSD	Nitrate as Nitrogen by IC	1.25	1.33	MGL	106.4	(87-121)	
RPD_LCS	Nitrate as Nitrogen by IC	96.000	100.000	MGL	4.1	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	102.400	106.400	MGL	3.8	(0-20)	

QC Ref #485112 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05130195	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.46	MGL	98.4	(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	0.050	MGL	100.0	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.32	MGL	105.6	(87-121)	
MSD	Nitrate as Nitrogen by IC	1.25	1.30	MGL	104.0	(87-121)	
RPD_LCS	Nitrate as Nitrogen by IC	98.400	97.600	MGL	0.8	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	105.600	104.000	MGL	1.5	(0-20)	

QC Ref #485599 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05130001	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	112	118	MGL		(0-10)	5.2
LCS1	Total Dissolved Solid (TDS)	175	184	MGL	105.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	704	MGL	100.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

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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MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	105.143	100.571	MGL	4.4	(0-20)

QC Ref #485614 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05200501	UGL		(0-0)	
LCS1	Chlorate by IC	200	206	UGL	103.0	(90-110)	
LCS2	Chlorate by IC	200	199	UGL	99.5	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.000	12.1	UGL	121.0	(50-150)	
MS	Chlorate by IC	100	103	UGL	103.0	(75-125)	
MSD	Chlorate by IC	100	102	UGL	102.0	(75-125)	
RPD_LCS	Chlorate by IC	103.000	99.500	UGL	3.5	(0-20)	
RPD_MS	Chlorate by IC	103.000	102.000	UGL	1.0	(0-20)	

QC Ref #485635 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05120308	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	372	362	MGL		(0-10)	2.7
LCS1	Total Dissolved Solid (TDS)	175	186	MGL	106.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	710	MGL	101.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	106.286	101.429	MGL	4.7	(0-20)	

QC Ref #487097 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	05230030	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS2	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	

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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS3	Perchlorate	4	4.37	UGL	109.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	26.1	UGL	104.4	(80-120)	
RPD_LCS	Perchlorate	106.400	104.400	UGL	1.9	(0-15)	
RPD_MS	Perchlorate	100.800	104.400	UGL	1.0	(0-15)	

QC Ref #487101 Perchlorate

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

QC Ref #487106 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05110095	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0109	MGL	109.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.06	MGL	106.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.991	MGL	99.1	(70-130)	

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Tronox LLC - Henderson
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QC Ref #487112 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab #29	05120265	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0106	MGL	106.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.831	MGL	83.1	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.997	MGL	99.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.941	MGL	94.1	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.958	MGL	95.8	(70-130)	

QC Ref #487113 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 20	0905200111	UGL		(0-0)	
LCS1	Chlorate by IC	200	194	UGL	97.0	(90-110)	
LCS2	Chlorate by IC	200	198	UGL	99.0	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.000	9.81	UGL	98.1	(50-150)	
MS	Chlorate by IC	100	102	UGL	102.0	(75-125)	
MSD	Chlorate by IC	100	104	UGL	104.0	(75-125)	
RPD_LCS	Chlorate by IC	97.000	99.000	UGL	2.0	(0-20)	
RPD_MS	Chlorate by IC	102.000	104.000	UGL	1.9	(0-20)	

QC Ref #487350 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05120264	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.928	MGL	92.8	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(85-115)	

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MWH Laboratories
A Division of MWH Americas, Inc.

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

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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0096	MGL	96.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.000	MGL	<u>0.0</u>	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.928	MGL	92.8	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.000	MGL	<u>0.0</u>	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.908	MGL	90.8	(70-130)	

QC Ref #487354 Nitrate + Nitrite as N by RFA

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 200906030381		MGL		(0-0)	
LCS1	Nitrate + Nitrite as N by RFA	1.0	0.978	MGL	97.8	(90-110)	
LCS2	Nitrate + Nitrite as N by RFA	1.0	0.974	MGL	97.4	(90-110)	
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.050	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.050	0.043	MGL	86.0	(50-150)	
MS	Nitrate + Nitrite as N by RFA	1.0	0.870	MGL	<u>87.0</u>	(90-110)	
MSD	Nitrate + Nitrite as N by RFA	1.0	0.892	MGL	<u>89.2</u>	(90-110)	

QC Ref #487356 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05200129	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.09	MGL	109.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0102	MGL	102.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.877	MGL	87.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.925	MGL	92.5	(70-130)	

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MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
 Monrovia, California 91016-3829
 Tel: 626 386 1100
 Fax: 626 386 1101
 1 800 566 LABS (1 800 566 5227)

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Tronox LLC - Henderson
 (continued)

QC Ref #487685

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	0603044	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.5	UGL	94.0	(85-115)	
LCS2	Perchlorate	25.0	23.2	UGL	92.8	(85-115)	
LCS3	Perchlorate	4	3.02	UGL	75.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
RPD_LCS	Perchlorate	94.000	92.800	UGL	1.3	(0-15)	
RPD_MS	Perchlorate	97.600	96.000	UGL	1.0	(0-15)	

QC Ref #488229

Chromium, Total, ICAP

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

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 are advisory only, unless otherwise specified in the method.