



750 Foyal Oaks Drive
Suite 100
Monrovia, California 91016-3629
Tel: 626 568 6400
Fax: 626 568 6324
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE
Jun 08 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 270339
Project: CLO4
PO#: Susan Crowle

This report shall not be reproduced except in full, without the written approval of the laboratory. Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 27 page[s].



BUILDING A BETTER WORLD

June 8, 2009

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

Subject: Case Narrative report 270339

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on May 05, 2009 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:

For the MWH Laboratories data the following issues were observed:

Samples for hexavalent chromium were received and analyzed past holding time.

Nitrate samples were analyzed past holding time due to addition to the request after receipt.

Several samples were re-analyzed for TDS due to initial data not matching historical data.

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

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

Andrew Eaton, PhD
Project Manager



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

270339

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

HWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: SM/MD

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#
Quarterly Groundwater Sampling
Schedule B

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	ANALYSES REQUIRED							SAMPLER Comments	
							CR 6010	PH 9040	TDS	CL04	CRVI 7196	CL03 9056	NO3 9056		See Bottle Order
444	5-4-09		PC-123	RGW	X		X	X	X						2 Bottles
550	5-4-09		PC-124	RGW	X		X	X	X	X					4 Bottles
600	5-4-09		PC-125	RGW	X		X	X	X	X					2 Bottles
610	5-4-09		PC-126	RGW	X		X	X	X	X					4 Bottles
622	5-4-09		PC-127	RGW	X		X	X	X	X					2 Bottles
5:05	5-4-09		PC-128	RGW	X		X	X	X	X					4 Bottles
5:20	5-4-09		PC-129	RGW	X		X	X	X	X					2 Bottles
5:36	5-4-09		PC-130	RGW	X		X	X	X	X					4 Bottles
6:37	5-4-09		PC-131	RGW	X		X	X	X	X					2 Bottles
6:52	5-4-09		PC-132	RGW	X		X	X	X	X					4 Bottles
7:21	5-4-09		M-96	RGW	X		X	X	X	X					2 Bottles
7:37	5-4-09		PC-54	RGW	X		X	X	X	X					2 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlorinated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

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

Reported by Weight:

SO = Soil
SL = Sludge

SIGNATURE

RELINQUISHED BY: Michele Brown
RECEIVED BY: [Signature]
RELINQUISHED BY:
RECEIVED BY:

PRINT NAME

Michele Brown

[Signature]

COMPANY/TITLE

Veolia Water NA for Tronox LLC - Henderson Plant

[Signature]

TIME

DATE

12:00PM

5-4-09

12:00PM

5-5-07

12:30



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

M/LABS USE ONLY:

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(626) 386-1100 (800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#
Quarterly Groundwater Sampling
Schedule B

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	ANALYSES REQUIRED							SAMPLER Comments
							CR 6010	PH 9040	TDS	CL04	CRVI 7196	CL03 9056	NO3 9056	
	5-4-09		M-48	RGW	X		X	X	X	X	X	X		4 Bottles
756	5-4-09		PC-37	RGW	X		X	X	X	X	X			2 Bottles
821	5-4-09		PC-71	RGW	X		X	X	X	X	X			2 Bottles
836	5-4-09		PC-72	RGW	X		X	X	X	X	X			2 Bottles
851	5-4-09		PC-73	RGW	X		X	X	X	X	X			2 Bottles
914	5-4-09		N-23	RGW	X		X	X	X	X	X			4 Bottles
1015	5-4-09		N-95	RGW	X		X	X	X	X	X			3 Bottles
1033	5-4-09		N-44	RGW	X		X	X	X	X	X			3 Bottles
	5-4-09		MD-1	RGW	X		X	X	X	X	X			3 Bottles
	5-4-09		MD-3	RGW	X		X	X	X	X	X			2 Bottles
906	5-4-09		FB-1	RGW	X		X	X	X	X	X			3 Bottles

* MATRIX TYPES:

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

Reported by Weight:
SO = Soil
SL = Sludge

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

Reported by Weight:

SIGNATURE

RELINQUISHED BY: *Michele Brown*

PRINT NAME

Michele Brown

COMPANY/TITLE

Veolia Water NA for Tronox LLC - Henderson Plant

TIME

12:00PM

DATE

5-4-09

RECEIVED BY:

RECEIVED BY:

RECEIVED BY:

RECEIVED BY:

RECEIVED BY:

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



J90110901302023

Ship Date: 04MAY09
Act/Wgt: 22.0 LB
CAD: 2274147/INET9011
Account#: S *****

Delivery Address Bar Code



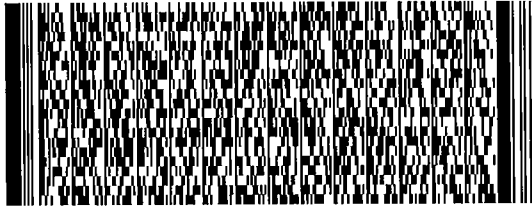
Ref # MSO# 143686
Invoice #
PO #
Dept #

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

MONROVIA, CA 91016

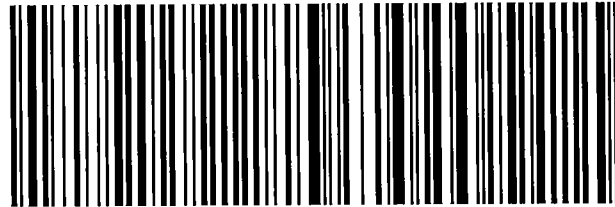
TUE - 05MAY A2
PRIORITY OVERNIGHT

TRK# 7965 7487 5262
0201



QZ WHPA

91016
CA-US
BUR



After printing this label:

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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#: 270339
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **05/05/09**. 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
2905060024	PC-123	CLO4 CR6010	Water P PH9040	04-may-2009 04:44:00 T TDS
2905060025	PC-124	CLO39056 CLO4 T TDS	Water CR6010 NO39056 P	04-may-2009 05:50:00 PH9040
2905060026	PC-125	CLO4 CR6010	Water P PH9040	04-may-2009 06:00:00 T TDS
2905060027	PC-126	CLO39056 CLO4 T TDS	Water CR6010 NO39056 P	04-may-2009 06:10:00 PH9040
2905060028	PC-127	CLO4 CR6010	Water P PH9040	04-may-2009 06:22:00 T TDS
2905060029	PC-128	CLO39056 CLO4 T TDS	Water CR6010 NO39056 P	04-may-2009 05:05:00 PH9040
2905060030	PC-129	CLO4 CR6010	Water P PH9040	04-may-2009 05:30:00 T TDS
2905060031	PC-130	CLO39056 CLO4 T TDS	Water CR6010 NO39056 P	04-may-2009 05:36:00 PH9040
2905060032	PC-131	CLO4 CR6010	Water P PH9040	04-may-2009 06:37:00 T TDS
2905060033	PC-132	CLO39056 CLO4 T TDS	Water CR6010 NO39056 P	04-may-2009 06:52:00 PH9040
2905060034	M-96	CLO4 CR6010	Water P PH9040	04-may-2009 07:21:00 T TDS
2905060035	PC-54	CLO4 CR6010	Water P PH9040	04-may-2009 07:37:00 T TDS
2905060036	PC-37	CLO4 CR6010	Water P PH9040	04-may-2009 07:56:00 T TDS
2905060037	PC-71	CLO4 CR6010	Water P PH9040	04-may-2009 08:21:00 T TDS

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 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2905060038	PC-72	CLO4 CR6010	Water P PH9040	04-may-2009 08:36:00 TDS
2905060039	PC-73	CLO4 CR6010	Water P PH9040	04-may-2009 08:51:00 TDS
2905060040	M-23	CLO39056 CLO4 T TDS	Water CR6010	04-may-2009 09:14:00 PH9040
2905060041	M-95	CLO4 CR6010	Water CRVI7196 P	04-may-2009 10:15:00 PH9040 T
2905060042	M-44	CLO4 CR6010	Water CRVI7196 P	04-may-2009 10:33:00 PH9040 T
2905060043	FB-1	CLO4 CR6010	Water CRVI7196 P	04-may-2009 09:06:00 PH9040 T
2905060049	MD-1	CLO4 CR6010	Water CRVI7196 P	04-may-2009 PH9040 T
2905060050	MD-3	CLO4 CR6010	Water P PH9040	04-may-2009 TDS

Test Acronym Description

Test Acronym	Description
CLO39056	Chlorate by IC
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
NO39056	Nitrate as Nitrogen by IC
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



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Laboratory
Hits Report
#270339

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

Samples Received
05-may-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905060024	PC-123				
05/25/09	Chromium, Total, ICAP		1.7		mg/l	0.10
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.4		Units	0.0010
05/14/09	Perchlorate		405000		ug/l	20000
05/07/09	Total Dissolved Solid (TDS)		8170	500	mg/l	10
	2905060025	PC-124				
05/20/09	Chlorate by IC		114000		ug/l	2000
05/25/09	Chromium, Total, ICAP		0.035		mg/l	0.020
05/27/09	Metals digestion performed.		Y		Yes/No	
05/06/09	Nitrate as Nitrogen by IC		20.0		mg/l	2.5
05/05/09	PH (H3=past HT, not compliant)		7.4		Units	0.0010
05/14/09	Perchlorate		5310		ug/l	400
05/07/09	Total Dissolved Solid (TDS)		7350	500	mg/l	10
	2905060026	PC-125				
05/25/09	Chromium, Total, ICAP		0.024		mg/l	0.020
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		4110		ug/l	400
05/07/09	Total Dissolved Solid (TDS)		5920	500	mg/l	10
	2905060027	PC-126				
05/20/09	Chlorate by IC		214000		ug/l	5000
05/25/09	Chromium, Total, ICAP		0.093		mg/l	0.020
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	Nitrate as Nitrogen by IC		32		mg/l	5.0

SUMMARY OF POSITIVE DATA ONLY.



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Samples Received
 05-may-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905060027	PC-126				
05/05/09	PH (H3=past HT, not compliant)		7.4		Units	0.0010
05/14/09	Perchlorate		11200		ug/l	800
05/07/09	Total Dissolved Solid (TDS)		10400	500	mg/l	10
	2905060028	PC-127				
06/07/09	Chromium, Total, ICAP		1.7		mg/l	0.020
06/04/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		417000		ug/l	20000
05/07/09	Total Dissolved Solid (TDS)		8190	500	mg/l	10
	2905060029	PC-128				
05/20/09	Chlorate by IC		246000		ug/l	5000
05/25/09	Chromium, Total, ICAP		0.18		mg/l	0.050
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	Nitrate as Nitrogen by IC		17		mg/l	2.5
05/05/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/14/09	Perchlorate		208000		ug/l	20000
05/07/09	Total Dissolved Solid (TDS)		5890	500	mg/l	10
	2905060030	PC-129				
05/25/09	Chromium, Total, ICAP		0.79		mg/l	0.050
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		460000		ug/l	20000
05/22/09	Total Dissolved Solid (TDS)		7130	500	mg/l	10

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Henderson , NV 89009

Samples Received
05-may-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905060031	PC-130				
	2905060031	PC-130				
05/20/09	Chlorate by IC		741000		ug/l	20000
05/25/09	Chromium, Total, ICAP		0.77		mg/l	0.10
05/27/09	Metals digestion performed.		Y		Yes/No	
05/06/09	Nitrate as Nitrogen by IC		34		mg/l	2.5
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		461000		ug/l	40000
05/22/09	Total Dissolved Solid (TDS)		6610	500	mg/l	10
	2905060032	PC-131				
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		6600		ug/l	800
05/07/09	Total Dissolved Solid (TDS)		10200	500	mg/l	10
	2905060033	PC-132				
05/20/09	Chlorate by IC		1850		ug/l	100
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		2170		ug/l	200
05/07/09	Total Dissolved Solid (TDS)		9650	500	mg/l	10
	2905060034	M-96				
06/07/09	Chromium, Total, ICAP		0.96		mg/l	0.020
06/04/09	Metals digestion performed.		Y		Yes/No	

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Samples Received
 05-may-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905060034	M-96				
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		260000		ug/l	20000
05/22/09	Total Dissolved Solid (TDS)		6240	500	mg/l	10
	2905060035	PC-54				
05/25/09	Chromium, Total, ICAP		1.8		mg/l	0.10
06/04/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		226000		ug/l	20000
05/09/09	Total Dissolved Solid (TDS)		6050	500	mg/l	10
	2905060036	PC-37				
05/25/09	Chromium, Total, ICAP		0.18		mg/l	0.050
06/04/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/14/09	Perchlorate		317000		ug/l	20000
05/09/09	Total Dissolved Solid (TDS)		7490	500	mg/l	10
	2905060037	PC-71				
05/25/09	Chromium, Total, ICAP		0.37		mg/l	0.10
06/04/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/19/09	Perchlorate		423000		ug/l	40000
05/09/09	Total Dissolved Solid (TDS)		7980	500	mg/l	10
	2905060038	PC-72				

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 Susan Crowley
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Samples Received
 05-may-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905060038	PC-72				
05/25/09	Chromium, Total, ICAP		0.24		mg/l	0.020
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/19/09	Perchlorate		257000		ug/l	20000
05/09/09	Total Dissolved Solid (TDS)		7090	500	mg/l	10
	2905060039	PC-73				
06/07/09	Chromium, Total, ICAP		0.41		mg/l	0.020
05/05/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/19/09	Perchlorate		354000		ug/l	20000
05/09/09	Total Dissolved Solid (TDS)		7250	500	mg/l	10
	2905060040	M-23				
05/23/09	Chlorate by IC		359000		ug/l	10000
05/25/09	Chromium, Total, ICAP		0.71		mg/l	0.020
05/05/09	Nitrate as Nitrogen by IC		61.7		mg/l	2.5
05/05/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/19/09	Perchlorate		476000		ug/l	20000
05/09/09	Total Dissolved Solid (TDS)		5120	500	mg/l	10
	2905060041	M-95				
05/25/09	Chromium, Total, ICAP		1.1		mg/l	0.050
05/05/09	Hexavalent chromium (Cr VI)		1.14		mg/l	0.10
05/27/09	Metals digestion performed.		Y		Yes/No	
05/05/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/19/09	Perchlorate		445000		ug/l	40000
05/09/09	Total Dissolved Solid (TDS)		6950	500	mg/l	10

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 Henderson , NV 89009

Samples Received
 05-may-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905060041	M-95				
	2905060042	M-44				
06/08/09		Chromium, Total, ICAP	0.78		mg/l	0.050
05/05/09		Hexavalent chromium (Cr VI)	0.835		mg/l	0.025
06/04/09		Metals digestion performed.	Y		Yes/No	
05/05/09		PH (H3=past HT, not compliant)	7.6		Units	0.0010
05/19/09		Perchlorate	683000		ug/l	40000
05/09/09		Total Dissolved Solid (TDS)	8520	500	mg/l	10
	2905060043	FB-1				
05/05/09		PH (H3=past HT, not compliant)	5.8		Units	0.0010
	2905060049	MD-1				
05/25/09		Chromium, Total, ICAP	1.0		mg/l	0.050
05/05/09		Hexavalent chromium (Cr VI)	1.14		mg/l	0.10
06/04/09		Metals digestion performed.	Y		Yes/No	
05/05/09		PH (H3=past HT, not compliant)	7.6		Units	0.0010
05/19/09		Perchlorate	464000		ug/l	4000
05/09/09		Total Dissolved Solid (TDS)	7240	500	mg/l	10
	2905060050	MD-3				
05/25/09		Chromium, Total, ICAP	1.8		mg/l	0.050
05/27/09		Metals digestion performed.	Y		Yes/No	
05/05/09		PH (H3=past HT, not compliant)	7.5		Units	0.0010
05/19/09		Perchlorate	237000		ug/l	20000
05/09/09		Total Dissolved Solid (TDS)	6280	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#270339

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

Samples Received
05-may-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
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	2905060050	MD-3				
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Laboratory
Data Report
#270339

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

Samples Received
05/05/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-123 (2905060024) Sampled on 05/04/09 04:44								
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	405000	ug/l	20000	5000
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	1.7	mg/l	0.10	10
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
05/07/09	05/07/09 18:30	484723	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8170	mg/l	10	1
PC-124 (2905060025) Sampled on 05/04/09 05:50								
	05/20/09 00:00	485610	(ML/EPA 9056)	Chlorate by IC	114000	ug/l	2000	200
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	5310	ug/l	400	100
05/19/09	05/25/09 00:00	486390	(ML/EPA 6010B)	Chromium, Total, ICAP	0.035	mg/l	0.020	2
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/06/09 08:52	483508	(ML/EPA 9056)	Nitrate as Nitrogen by IC	20.0	mg/l	2.5	25
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
05/07/09	05/07/09 18:30	484723	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7350	mg/l	10	1
PC-125 (2905060026) Sampled on 05/04/09 06:00								
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	4110	ug/l	400	100
05/15/09	05/25/09 00:00	486388	(ML/EPA 6010B)	Chromium, Total, ICAP	0.024	mg/l	0.020	2
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/07/09	05/07/09 18:30	484723	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5920	mg/l	10	1
PC-126 (2905060027) Sampled on 05/04/09 06:10								
	05/20/09 00:00	485610	(ML/EPA 9056)	Chlorate by IC	214000	ug/l	5000	500
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	11200	ug/l	800	200
05/19/09	05/25/09 00:00	486390	(ML/EPA 6010B)	Chromium, Total, ICAP	0.093	mg/l	0.020	2
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 23:19	483507	(ML/EPA 9056)	Nitrate as Nitrogen by IC	32	mg/l	5.0	50
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
05/07/09	05/07/09 18:30	484723	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10400	mg/l	10	1



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#270339

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-127 (2905060028)					Sampled on 05/04/09 06:22			
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	417000	ug/l	20000	5000
06/01/09	06/07/09 00:00	487102	(ML/EPA 6010B)	Chromium, Total, ICAP	1.7	mg/l	0.020	2
	06/04/09 00:00		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/07/09	05/07/09 18:30	484723	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8190	mg/l	10	1
PC-128 (2905060029)					Sampled on 05/04/09 05:05			
	05/20/09 00:00	485610	(ML/EPA 9056)	Chlorate by IC	246000	ug/l	5000	500
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	208000	ug/l	20000	5000
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	0.18	mg/l	0.050	5
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 22:52	483507	(ML/EPA 9056)	Nitrate as Nitrogen by IC	17	mg/l	2.5	25
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/07/09	05/07/09 18:30	484723	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5890	mg/l	10	1
PC-129 (2905060030)					Sampled on 05/04/09 05:30			
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	460000	ug/l	20000	5000
05/15/09	05/25/09 00:00	486389	(ML/EPA 6010B)	Chromium, Total, ICAP	0.79	mg/l	0.050	5
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/22/09	05/22/09 12:50	485923	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7130(HA)	mg/l	10	1
PC-130 (2905060031)					Sampled on 05/04/09 05:36			
	05/20/09 00:00	485610	(ML/EPA 9056)	Chlorate by IC	741000	ug/l	20000	2000
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	461000	ug/l	40000	10000
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	0.77	mg/l	0.10	10
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/06/09 08:38	483508	(ML/EPA 9056)	Nitrate as Nitrogen by IC	34	mg/l	2.5	25
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/22/09	05/22/09 12:50	485923	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6610(HA)	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-131 (2905060032)					Sampled on 05/04/09 06:37			
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	6600	ug/l	800	200
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/07/09	05/07/09 18:30	484723	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10200	mg/l	10	1
PC-132 (2905060033)					Sampled on 05/04/09 06:52			
	05/20/09 00:00	485610	(ML/EPA 9056)	Chlorate by IC	1850	ug/l	100	10
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	2170	ug/l	200	50
05/19/09	05/25/09 00:00	486390	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 23:06	483507	(ML/EPA 9056)	Nitrate as Nitrogen by IC	ND	mg/l	5.0	50
	05/05/09 15:10	483469	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/07/09	05/07/09 18:30	484723	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9650	mg/l	10	1
M-96 (2905060034)					Sampled on 05/04/09 07:21			
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	260000	ug/l	20000	5000
06/01/09	06/07/09 00:00	487102	(ML/EPA 6010B)	Chromium, Total, ICAP	0.96	mg/l	0.020	2
	06/04/09 00:00		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/22/09	05/22/09 12:50	485923	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6240 (HA)	mg/l	10	1
PC-54 (2905060035)					Sampled on 05/04/09 07:37			
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	226000	ug/l	20000	5000
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	1.8	mg/l	0.10	10
	06/04/09 00:00		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/09/09	05/09/09 12:45	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6050	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-37 (2905060036)				Sampled on 05/04/09 07:56				
	05/14/09 21:18	484844	(EPA 314)	Perchlorate	317000	ug/l	20000	5000
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	0.18	mg/l	0.050	5
	06/04/09 00:00		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/09/09	05/09/09 12:40	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7490	mg/l	10	1
PC-71 (2905060037)				Sampled on 05/04/09 08:21				
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	423000	ug/l	40000	10000
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	0.37	mg/l	0.10	10
	06/04/09 00:00		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/09	05/09/09 12:45	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7980	mg/l	10	1
PC-72 (2905060038)				Sampled on 05/04/09 08:36				
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	257000	ug/l	20000	5000
05/15/09	05/25/09 00:00	486389	(ML/EPA 6010B)	Chromium, Total, ICAP	0.24	mg/l	0.020	2
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/09	05/09/09 12:40	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7090	mg/l	10	1
PC-73 (2905060039)				Sampled on 05/04/09 08:51				
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	354000	ug/l	20000	5000
06/01/09	06/07/09 00:00	487102	(ML/EPA 6010B)	Chromium, Total, ICAP	0.41	mg/l	0.020	2
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/09/09	05/09/09 12:40	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7250	mg/l	10	1
M-23 (2905060040)				Sampled on 05/04/09 09:14				
	05/23/09 00:00	485939	(ML/EPA 9056)	Chlorate by IC	359000	ug/l	10000	1000
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	476000	ug/l	20000	5000
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	0.71	mg/l	0.020	2
	05/05/09 23:35	483506	(ML/EPA 9056)	Nitrate as Nitrogen by IC	61.7	mg/l	2.5	25
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/09	05/09/09 12:45	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5120	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-95 (2905060041)				Sampled on 05/04/09 10:15				
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	445000	ug/l	40000	10000
05/15/09	05/25/09 00:00	486389	(ML/EPA 6010B)	Chromium, Total, ICAP	1.1	mg/l	0.050	5
	05/05/09 18:53	484014	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	1.14	mg/l	0.10	20
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/09	05/09/09 12:45	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6950	mg/l	10	1
M-44 (2905060042)				Sampled on 05/04/09 10:33				
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	683000	ug/l	40000	10000
06/01/09	06/08/09 00:00	487106	(ML/EPA 6010B)	Chromium, Total, ICAP	0.78	mg/l	0.050	5
	05/05/09 18:53	484014	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.835	mg/l	0.025	5
	06/04/09 00:00		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/09	05/09/09 12:45	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8520	mg/l	10	1
FB-1 (2905060043)				Sampled on 05/04/09 09:06				
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
06/01/09	06/07/09 00:00	487102	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	05/05/09 18:53	484014	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.0050	1
	05/05/09 16:53	483472	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	5.8	Units	0.0010	1
05/09/09	05/09/09 12:40	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
MD-1 (2905060049)				Sampled on 05/04/09 00:00				
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	464000	ug/l	4000	1000
05/25/09	05/25/09 00:00	486391	(ML/EPA 6010B)	Chromium, Total, ICAP	1.0	mg/l	0.050	5
	05/05/09 18:53	484014	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	1.14	mg/l	0.10	20
	06/04/09 00:00		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:06	483470	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/09	05/09/09 12:45	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7240	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MD-3 (2905060050)				Sampled on 05/04/09 00:00				
	05/19/09 19:41	485373	(EPA 314)	Perchlorate	237000	ug/l	20000	5000
05/19/09	05/25/09 00:00	486390	(ML/EPA 6010B)	Chromium, Total, ICAP	1.8	mg/l	0.050	5
	05/27/09 13:49		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/05/09 16:53	483472	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/09/09	05/09/09 12:45	484703	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6280	mg/l	10	1



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QC Summary
#270339

Tronox LLC - Henderson

QC Ref #483469 - PH (H3=past HT, not compliant) Analysis Date: 05/05/2009

2905060024	PC-123
2905060025	PC-124
2905060026	PC-125
2905060027	PC-126
2905060028	PC-127
2905060029	PC-128
2905060030	PC-129
2905060031	PC-130
2905060032	PC-131
2905060033	PC-132

QC Ref #483470 - PH (H3=past HT, not compliant) Analysis Date: 05/05/2009

2905060034	M-96
2905060035	PC-54
2905060036	PC-37
2905060037	PC-71
2905060038	PC-72
2905060039	PC-73
2905060040	M-23
2905060041	M-95
2905060042	M-44
2905060049	MD-1

QC Ref #483472 - PH (H3=past HT, not compliant) Analysis Date: 05/05/2009

2905060043	FB-1
2905060050	MD-3

QC Ref #483506 - Nitrate as Nitrogen by IC Analysis Date: 05/05/2009

2905060040	M-23
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QC Ref #483507 - Nitrate as Nitrogen by IC Analysis Date: 05/05/2009

2905060027	PC-126
2905060029	PC-128
2905060033	PC-132



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QC Ref #483508 - Nitrate as Nitrogen by IC Analysis Date: 05/06/2009

2905060025	PC-124
2905060031	PC-130

QC Ref #484014 - Hexavalent chromium (Cr VI) Analysis Date: 05/05/2009

2905060041	M-95
2905060042	M-44
2905060043	FB-1
2905060049	MD-1

QC Ref #484703 - Total Dissolved Solid (TDS) Analysis Date: 05/09/2009

2905060035	PC-54
2905060036	PC-37
2905060037	PC-71
2905060038	PC-72
2905060039	PC-73
2905060040	M-23
2905060041	M-95
2905060042	M-44
2905060043	FB-1
2905060049	MD-1
2905060050	MD-3

QC Ref #484723 - Total Dissolved Solid (TDS) Analysis Date: 05/07/2009

2905060024	PC-123
2905060025	PC-124
2905060026	PC-125
2905060027	PC-126
2905060028	PC-127
2905060029	PC-128
2905060032	PC-131
2905060033	PC-132



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QC Ref #484844 - Perchlorate

Analysis Date: 05/14/2009

2905060024	PC-123
2905060025	PC-124
2905060026	PC-125
2905060027	PC-126
2905060028	PC-127
2905060029	PC-128
2905060030	PC-129
2905060031	PC-130
2905060032	PC-131
2905060033	PC-132
2905060034	M-96
2905060035	PC-54
2905060036	PC-37

QC Ref #485373 - Perchlorate

Analysis Date: 05/19/2009

2905060037	PC-71
2905060038	PC-72
2905060039	PC-73
2905060040	M-23
2905060041	M-95
2905060042	M-44
2905060043	FB-1
2905060049	MD-1
2905060050	MD-3

QC Ref #485610 - Chlorate by IC

Analysis Date: 05/20/2009

2905060025	PC-124
2905060027	PC-126
2905060029	PC-128
2905060031	PC-130
2905060033	PC-132



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QC Ref #485923 - Total Dissolved Solid (TDS) Analysis Date: 05/22/2009

2905060030 PC-129
2905060031 PC-130
2905060034 M-96

QC Ref #485939 - Chlorate by IC Analysis Date: 05/23/2009

2905060040 M-23

QC Ref #486388 - Chromium, Total, ICAP Analysis Date: 05/25/2009

2905060026 PC-125

QC Ref #486389 - Chromium, Total, ICAP Analysis Date: 05/25/2009

2905060030 PC-129
2905060038 PC-72
2905060041 M-95

QC Ref #486390 - Chromium, Total, ICAP Analysis Date: 05/25/2009

2905060025 PC-124
2905060027 PC-126
2905060033 PC-132
2905060050 MD-3

QC Ref #486391 - Chromium, Total, ICAP Analysis Date: 05/25/2009

2905060024 PC-123
2905060029 PC-128
2905060031 PC-130
2905060032 PC-131
2905060035 PC-54
2905060036 PC-37
2905060037 PC-71
2905060040 M-23



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2905060049

MD-1

QC Ref #487102 - Chromium, Total, ICAP

Analysis Date: 06/07/2009

2905060028

PC-127

2905060034

M-96

2905060039

PC-73

2905060043

FB-1

QC Ref #487106 - Chromium, Total, ICAP

Analysis Date: 06/08/2009

2905060042

M-44



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QC Ref #483469 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.49	7.48	UNIT		(0-20)	0.1

QC Ref #483470 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.62	7.62	UNIT		(0-20)	0.0

QC Ref #483472 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	8.17	8.17	UNIT		(0-20)	0.0

QC Ref #483506 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 20	0905050252	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.52	MGL	100.8	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.53	MGL	101.2	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.063	MGL	126.0	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.36	MGL	108.8	(87-121)	
MSD	Nitrate as Nitrogen by IC	1.25	1.32	MGL	105.6	(87-121)	
RPD_LCS	Nitrate as Nitrogen by IC	100.800	101.200	MGL	0.4	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	108.800	105.600	MGL	3.0	(0-20)	

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QC Ref #483507 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab #29	05050134	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.45	MGL	98.0	(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	0.049	MGL	98.0	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.25	MGL	100.0	(87-121)	
MSD	Nitrate as Nitrogen by IC	1.25	1.27	MGL	101.6	(87-121)	
RPD_LCS	Nitrate as Nitrogen by IC	98.000	97.600	MGL	0.4	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	100.000	101.600	MGL	1.6	(0-20)	

QC Ref #483508 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 20	0905010167	MGL	0.0	(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.48	MGL	99.2	(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	0.050	MGL	100.0	(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	1.28	MGL	102.4	(87-121)	
RPD_LCS	Nitrate as Nitrogen by IC	99.200	100.000	MGL	0.8	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	102.400	102.400	MGL	0.0	(0-20)	

QC Ref #484014 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05060049	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.054	MGL	108.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.057	MGL	114.0	(85-115)	

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MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL		
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)
MS	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	(70-130)
MSD	Hexavalent chromium (Cr VI)	0.05	0.053	MGL	106.0	(70-130)

QC Ref #484703 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05080099	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	394	392	MGL		(0-10)	0.5
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	690	MGL	98.6	(80-114)	
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)	97.143	98.571	MGL	1.5	(0-20)	

QC Ref #484723 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05060027	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	10400	10600	MGL		(0-10)	1.9
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
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)	97.143	99.143	MGL	2.0	(0-20)	

QC Ref #484844 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	05070365	UGL		(0-0)	
LCS1	Perchlorate	25.0	22.4	UGL	89.6	(85-115)	
LCS2	Perchlorate	25.0	22.6	UGL	90.4	(85-115)	

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LCS3	Perchlorate	4	3.71	UGL	92.8	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	23.1	UGL	92.4	(80-120)
MSD	Perchlorate	25.0	23.1	UGL	92.4	(80-120)
RPD_LCS	Perchlorate	89.600	90.400	UGL	0.9	(0-15)
RPD_MS	Perchlorate	92.400	92.400	UGL	1.0	(0-15)

QC Ref #485373 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	05090006	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.2	UGL	104.8	(85-115)	
LCS2	Perchlorate	25.0	25.5	UGL	102.0	(85-115)	
LCS3	Perchlorate	4	3.41	UGL	85.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.8	UGL	99.2	(80-120)	
MSD	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
RPD_LCS	Perchlorate	104.800	102.000	UGL	2.7	(0-15)	
RPD_MS	Perchlorate	99.200	100.800	UGL	1.0	(0-15)	

QC Ref #485610 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05180056	UGL		(0-0)	
LCS1	Chlorate by IC	200	196	UGL	98.0	(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	8.88	UGL	88.8	(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	98.000	99.500	UGL	1.5	(0-20)	
RPD_MS	Chlorate by IC	102.000	104.000	UGL	1.9	(0-20)	

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QC Ref #485923 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05060030	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7390	7130	MGL		(0-10)	3.6
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	(80-114)	
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)	90.286	96.000	MGL	6.1	(0-20)	

QC Ref #485939 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05210040	UGL		(0-0)	
LCS1	Chlorate by IC	200	201	UGL	100.5	(90-110)	
LCS2	Chlorate by IC	200	201	UGL	100.5	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.000	8.99	UGL	89.9	(50-150)	
MS	Chlorate by IC	100	102	UGL	102.0	(75-125)	
MSD	Chlorate by IC	100	102	UGL	102.0	(75-125)	
RPD_LCS	Chlorate by IC	100.500	100.500	UGL	0.0	(0-20)	
RPD_MS	Chlorate by IC	102.000	102.000	UGL	0.0	(0-20)	

QC Ref #486388 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05050089	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.920	MGL	92.0	(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)	

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MS	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)
MS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.973	MGL	97.3	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.963	MGL	96.3	(70-130)

QC Ref #486389 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05060194	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(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	1.02	MGL	102.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	

QC Ref #486390 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05060027	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.05	MGL	105.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.05	MGL	105.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0108	MGL	108.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.960	MGL	96.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.92	MGL	92.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	

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QC Ref #486391 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05060040	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.05	MGL	105.0	(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	1.01	MGL	101.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.848	MGL	84.8	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	

QC Ref #487102 Chromium, Total, ICAP

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

QC Ref #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)	

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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)

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.