



# 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)

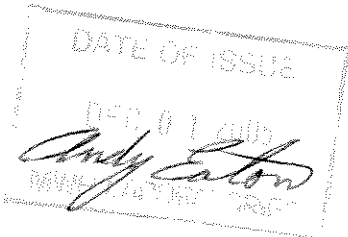
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley  
Fax: 702-651-2310



ADE Andy Eaton  
Project Manager



Report#: 160528  
CLO4

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 21 page[s].



# CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES



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

IN LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: gld

SAMPLE TEMP, RECEIPT AT LAB: 22

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

160528

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

KERRMCGEE-MP  
Sampler Michele Brown

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

Michele Brown  
Ker-McGee Chemical 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	CR	PH	EC	ClO4	CR6	TDS	See Bottle Order	SAMPLER Comments
559	11-2-05		M-92	RGW	X		X	X	X	X				2 Bottles
617	11-2-05		M-97	RGW	X		X	X	X	X				2 Bottles
645	11-2-05		M-93	RGW	X		X	X	X	X				2 Bottles
719	11-2-05		M-12A	RGW	X		X	X	X	X				4 Bottles
736	11-2-05		M-31A	RGW	X		X	X	X	X				2 Bottles
759	11-2-05		M-50	RGW	X		X	X	X	X				2 Bottles
814	11-2-05		M-34	RGW	X		X	X	X	X				2 Bottles
835	11-2-05		M-35	RGW	X		X	X	X	X				2 Bottles
840	11-2-05		M-19	RGW	X		X	X	X	X				2 Bottles
906	11-2-05		M-39	RGW	X		X	X	X	X				2 Bottles
921	11-2-05		M-68	RGW	X		X	X	X	X				2 Bottles
939	11-2-05		M-67	RGW	X		X	X	X	X				2 Bottles

NO CR6

Reported by Volume:

CFW = Chlor(am)inated Finished Water  
FW = Other Finished Water

RGW = Raw Ground Water  
RSW = Raw Surface Water

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

Reported by Weight:  
SO = Soil  
SL = Sludge

SIGNATURE

RELINQUISHED BY: Michele Brown

PRINT NAME  
Michele Brown

COMPANY/TITLE  
Vecolia Water NA for Ker-McGee Chemical LLC

DATE

11-2-05

TIME

12:00PM

RELINQUISHED BY:

RECEIVED BY:

C-O-C#

smc052002





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CHAIN OF CUSTODY RECORD

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SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

KERRMCGEE-MP

PROJECT JOB # / P.O.#

Quarantary Groundwater Sampling

Schedule B

Sampler: Michele Brown

*Michele Brown*  
Susan Crowley (702) 651-2284  
Kerr-McGee Chemical LLC  
PO Box 55  
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR	PF	FC	CLO4	CR6	TDS	See Bottle Order	SAMPLER Comments
9:54	11-2-05		I-K	RGW	X		X	X	X					2 Bottles
9:52	11-2-05		I-J	RGW	X		X	X	X					2 Bottles
9:47	11-2-05		I-Z	RGW	X		X	X	X					2 Bottles
9:44	11-2-05		F-I	RGW	X		X	X	X					2 Bottles
10:09	11-2-05		M-MJ	RGW	X		X	X	X					2 Bottles
10:05	11-2-05		M-MB	RGW	X		X	X	X					2 Bottles
10:40	11-2-05		M-18	RGW	X		X	X	X					2 Bottles
10:50	11-2-05		M-88	RGW	X		X	X	X					2 Bottles
10:59	11-2-05		F-V	RGW	X		X	X	X					2 Bottles
8:03	11-2-05		EB-2	RGW	X		X	X	X	X	X			4 Bottles
				RGW	X									Bottles
				RGW	X									Bottles

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

RGW = Raw Ground Water  
RSW = Raw Surface Water

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

Reported by Weight:  
SO = Soil  
SL = Sludge

SIGNATURE

*Michele Brown*

PRINT NAME

Michele Brown

COMPANY/TITLE

Veolia Water NA for Kerr-McGee Chemical LLC

DATE

11-2-05

TIME

12:00PM

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:



THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 141631

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: **KERR-McGEE CHEMICAL CORPORATION**

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER <b>Federal Express</b>		Date <b>11/2/05</b>	FROM NO. STATION: STATE <b>Henderson, NV 89015</b>
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization <b>S.CROWLEY</b>	
FREIGHT CHARGES xx <input type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER <b>KERR-McGEE CHEMICAL LLC</b>	
N/A/R		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IF <b>1321.10400</b> If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.
SHIPPED FROM <b>Henderson, NV</b>		Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. <b>KERR-McGEE CHEMICAL LLC</b>	
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	<b>4th Quarter Monitoring Well Samples</b>		<b>1 COOLER</b>
	<b>Not Regulated</b>		The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.
TRUCK SHIPMENTS		FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.	
PLACARDS OFFERED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PLACARDS ACCEPTED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
<b>1</b>	<b>56</b>	<b>0</b>	<b>56</b>
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per		"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"	
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.			
KERR-McGEE CHEMICAL LLC Shipper permanent post office address of shipper, Oklahoma City, OK 73125	PER <b>Chuck Whitney</b>	AGENT	PER

COPY



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Report  
Comments  
#160528

**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: \_\_\_\_\_

(QC Ref#: 2511030457)

Test: Hexavalent chromium (Cr VI) (MWH SW7196)

H3- Sample was received and analyzed past holding time.

(QC Ref#: 2511030478)

Test: Hexavalent chromium (Cr VI) (MWH SW7196)

H3- Sample was received and analyzed past holding time.



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Laboratory  
Hits Report  
#160528

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

Samples Received  
03-nov-2005 16:06:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2511030453	M-92				
11/07/05	PH (H1=past HT, not compliant)		8.1	6.5-8.5	Units	0.001
11/21/05	Perchlorate		670		ug/l	80
11/07/05	Specific Conductance		2150		umho/cm	2
	2511030455	M-97				
11/15/05	Chromium, Total, ICAP		0.29		mg/l	0.05
11/07/05	PH (H1=past HT, not compliant)		7.9	6.5-8.5	Units	0.001
11/21/05	Perchlorate		11000		ug/l	2000
11/07/05	Specific Conductance		3230		umho/cm	2
	2511030456	M-93				
11/08/05	Chromium, Total, ICAP		0.046		mg/l	0.02
11/07/05	PH (H1=past HT, not compliant)		7.8	6.5-8.5	Units	0.001
11/23/05	Perchlorate		50000		ug/l	4000
11/07/05	Specific Conductance		3690		umho/cm	2
	2511030457	M-12A				
11/15/05	Chromium, Total, ICAP		14		mg/l	0.1
11/03/05	Hexavalent chromium (Cr VI)		16		mg/l	0.5
11/07/05	PH (H1=past HT, not compliant)		8.1	6.5-8.5	Units	0.001
11/21/05	Perchlorate		450000		ug/l	80000
11/07/05	Specific Conductance		7620		umho/cm	2
11/06/05	Total Dissolved Solid (TDS)		9020	500	mg/l	10
	2511030458	M-31A				
11/15/05	Chromium, Total, ICAP		13		mg/l	0.1

SUMMARY OF POSITIVE DATA ONLY.



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03-nov-2005 16:06:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2511030458	M-31A				
11/07/05	PH (H1=past HT, not compliant)		7.6	6.5-8.5	Units	0.001
11/23/05	Perchlorate		1700000		ug/l	200000
11/07/05	Specific Conductance		8450		umho/cm	2
	2511030460	M-50				
11/15/05	Chromium, Total, ICAP		39		mg/l	0.2
11/07/05	PH (H1=past HT, not compliant)		7.6	6.5-8.5	Units	0.001
11/23/05	Perchlorate		980000		ug/l	200000
11/07/05	Specific Conductance		13300		umho/cm	2
	2511030461	M-34				
11/09/05	Chromium, Total, ICAP		17		mg/l	0.2
11/07/05	PH (H1=past HT, not compliant)		7.6	6.5-8.5	Units	0.001
11/23/05	Perchlorate		2000000		ug/l	200000
11/07/05	Specific Conductance		10100		umho/cm	2
	2511030462	M-35				
11/09/05	Chromium, Total, ICAP		9.7		mg/l	0.1
11/07/05	PH (H1=past HT, not compliant)		7.6	6.5-8.5	Units	0.001
11/23/05	Perchlorate		890000		ug/l	80000
11/07/05	Specific Conductance		7920		umho/cm	2
	2511030463	M-19				
11/09/05	Chromium, Total, ICAP		0.23		mg/l	0.02
11/07/05	PH (H1=past HT, not compliant)		7.9	6.5-8.5	Units	0.001
11/23/05	Perchlorate		1000		ug/l	800

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 Susan Crowley  
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 Henderson , NV 89009

Samples Received  
 03-nov-2005 16:06:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2511030463	M-19				
11/07/05	Specific Conductance		3830		umho/cm	2
	2511030464	M-39				
11/09/05	Chromium, Total, ICAP		4		mg/l	0.05
11/08/05	PH (H1=past HT, not compliant)		7.8	6.5-8.5	Units	0.001
11/23/05	Perchlorate		420000		ug/l	40000
11/07/05	Specific Conductance		6140		umho/cm	2
	2511030465	M-68				
11/09/05	Chromium, Total, ICAP		0.72		mg/l	0.02
11/08/05	PH (H1=past HT, not compliant)		7.9	6.5-8.5	Units	0.001
11/23/05	Perchlorate		41000		ug/l	8000
11/07/05	Specific Conductance		5430		umho/cm	2
	2511030466	M-67				
11/09/05	Chromium, Total, ICAP		5.2		mg/l	0.05
11/08/05	PH (H1=past HT, not compliant)		7.7	6.5-8.5	Units	0.001
11/23/05	Perchlorate		630000		ug/l	80000
11/07/05	Specific Conductance		6710		umho/cm	2
	2511030467	I-K				
11/08/05	Chromium, Total, ICAP		1.2		mg/l	0.02
11/08/05	PH (H1=past HT, not compliant)		7.8	6.5-8.5	Units	0.001
11/23/05	Perchlorate		84000		ug/l	20000
11/07/05	Specific Conductance		5590		umho/cm	2

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#160528

Tronox LLC - Henderson  
Susan Crowley  
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Henderson , NV 89009

Samples Received  
03-nov-2005 16:06:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2511030468	I-J				
	2511030468	I-J				
11/08/05	Chromium, Total, ICAP		2.5		mg/l	0.02
11/08/05	PH (H1=past HT, not compliant)		7.7	6.5-8.5	Units	0.001
11/23/05	Perchlorate		220000		ug/l	40000
11/07/05	Specific Conductance		5870		umho/cm	2
	2511030469	I-Z				
11/08/05	Chromium, Total, ICAP		10		mg/l	0.2
11/08/05	PH (H1=past HT, not compliant)		7.7	6.5-8.5	Units	0.001
11/23/05	Perchlorate		750000		ug/l	80000
11/07/05	Specific Conductance		8370		umho/cm	2
	2511030470	I-I				
11/08/05	Chromium, Total, ICAP		22		mg/l	0.5
11/08/05	PH (H1=past HT, not compliant)		7.6	6.5-8.5	Units	0.001
11/23/05	Perchlorate		1400000		ug/l	200000
11/07/05	Specific Conductance		11100		umho/cm	2
	2511030471	M-74				
11/09/05	Chromium, Total, ICAP		0.96		mg/l	0.05
11/08/05	PH (H1=past HT, not compliant)		7.9	6.5-8.5	Units	0.001
11/23/05	Perchlorate		60000		ug/l	4000
11/07/05	Specific Conductance		6390		umho/cm	2
	2511030472	M-73				

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Susan Crowley  
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Samples Received  
03-nov-2005 16:06:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2511030472</b>	<b>M-73</b>				
11/15/05	Chromium, Total, ICAP		2.1		mg/l	0.02
11/08/05	PH (H1=past HT, not compliant)		8.0	6.5-8.5	Units	0.001
11/28/05	Perchlorate		160000		ug/l	20000
11/07/05	Specific Conductance		3550		umho/cm	2
	<b>2511030473</b>	<b>M-18</b>				
11/15/05	Chromium, Total, ICAP		1.2		mg/l	0.02
11/08/05	PH (H1=past HT, not compliant)		7.9	6.5-8.5	Units	0.001
11/28/05	Perchlorate		63000		ug/l	4000
11/07/05	Specific Conductance		7250		umho/cm	2
	<b>2511030474</b>	<b>M-88</b>				
11/09/05	Chromium, Total, ICAP		0.74		mg/l	0.02
11/08/05	PH (H1=past HT, not compliant)		7.8	6.5-8.5	Units	0.001
11/23/05	Perchlorate		47000		ug/l	2000
11/07/05	Specific Conductance		6990		umho/cm	2
	<b>2511030475</b>	<b>I-V</b>				
11/08/05	Chromium, Total, ICAP		21		mg/l	0.5
11/08/05	PH (H1=past HT, not compliant)		7.6	6.5-8.5	Units	0.001
11/23/05	Perchlorate		1800000		ug/l	200000
11/07/05	Specific Conductance		10800		umho/cm	2
	<b>2511030478</b>	<b>EB-2</b>				
11/03/05	Hexavalent chromium (Cr VI)		0.013		mg/l	0.005

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03-nov-2005 16:06:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2511030478	EB-2				
11/07/05	PH (H1=past HT, not compliant)		8.1	6.5-8.5	Units	0.001
11/23/05	Perchlorate		430		ug/l	40
11/07/05	Specific Conductance		52		umho/cm	2
11/06/05	Total Dissolved Solid (TDS)		10	500	mg/l	10

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#160528

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Samples Received  
11/03/05

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-92 (2511030453)                      Sampled on 11/02/05 05:59</b>								
	11/21/05 18:18	296834	( EPA 314 )	Perchlorate	670	ug/l	80	20
	11/15/05 09:51	295336	( MWH200.7/6010B)	Chromium, Total, ICAP	ND	mg/l	0.02	2
	11/07/05 11:44	293965	( 2510B/ SW9050 )	Specific Conductance	2150	umho/cm	2	1
	11/07/05 00:00	294086	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	8.1	Units	0.001	1
<b>M-97 (2511030455)                      Sampled on 11/02/05 06:17</b>								
	11/21/05 18:35	296834	( EPA 314 )	Perchlorate	11000	ug/l	2000	500
	11/15/05 12:12	295337	( MWH200.7/6010B)	Chromium, Total, ICAP	0.29	mg/l	0.05	5
	11/07/05 11:44	293965	( 2510B/ SW9050 )	Specific Conductance	3230	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.9	Units	0.001	1
<b>M-93 (2511030456)                      Sampled on 11/02/05 06:45</b>								
	11/23/05 14:31	297015	( EPA 314 )	Perchlorate	50000	ug/l	4000	1000
	11/08/05 21:44	294222	( MWH200.7/6010B)	Chromium, Total, ICAP	0.046	mg/l	0.02	2
	11/07/05 11:44	293965	( 2510B/ SW9050 )	Specific Conductance	3690	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.8	Units	0.001	1
<b>M-12A (2511030457)                      Sampled on 11/02/05 07:19</b>								
	11/21/05 19:09	296834	( EPA 314 )	Perchlorate	450000	ug/l	80000	20000
	11/15/05 09:48	295336	( MWH200.7/6010B)	Chromium, Total, ICAP	14	mg/l	0.1	10
	11/03/05 00:00	294079	( MWH SW7196 )	Hexavalent chromium (Cr VI)	16 (H3)	mg/l	0.5	100
	11/07/05 11:44	293965	( 2510B/ SW9050 )	Specific Conductance	7620	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	8.1	Units	0.001	1
11/06/05	11/06/05 18:00	294156	( SM 2540C )	Total Dissolved Solid (TDS)	9020	mg/l	10	1
<b>M-31A (2511030458)                      Sampled on 11/02/05 07:36</b>								
	11/23/05 14:48	297015	( EPA 314 )	Perchlorate	1700000	ug/l	200000	50000
	11/15/05 09:13	295336	( MWH200.7/6010B)	Chromium, Total, ICAP	13	mg/l	0.1	10
	11/07/05 11:44	293965	( 2510B/ SW9050 )	Specific Conductance	8450	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.6	Units	0.001	1

**Tronox LLC - Henderson  
 (continued)**

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-50 (2511030460)      Sampled on 11/02/05 07:59</b>								
	11/23/05 15:05	297015	( EPA 314 )	Perchlorate	980000	ug/l	200000	50000
	11/15/05 10:33	295337	( MWH200.7/6010B )	Chromium, Total, ICAP	39	mg/l	0.2	20
	11/07/05 11:44	293965	( 2510B/ SW9050 )	Specific Conductance	13300	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.6	Units	0.001	1
<b>M-34 (2511030461)      Sampled on 11/02/05 08:14</b>								
	11/23/05 15:22	297015	( EPA 314 )	Perchlorate	2000000	ug/l	200000	50000
	11/09/05 01:26	294223	( MWH200.7/6010B )	Chromium, Total, ICAP	17	mg/l	0.2	20
	11/07/05 11:44	293965	( 2510B/ SW9050 )	Specific Conductance	10100	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.6	Units	0.001	1
<b>M-35 (2511030462)      Sampled on 11/02/05 08:25</b>								
	11/23/05 15:39	297015	( EPA 314 )	Perchlorate	890000	ug/l	80000	20000
	11/09/05 01:22	294223	( MWH200.7/6010B )	Chromium, Total, ICAP	9.7	mg/l	0.1	10
	11/07/05 11:44	293965	( 2510B/ SW9050 )	Specific Conductance	7920	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.6	Units	0.001	1
<b>M-19 (2511030463)      Sampled on 11/02/05 08:40</b>								
	11/23/05 15:56	297015	( EPA 314 )	Perchlorate	1000	ug/l	800	200
	11/09/05 01:30	294223	( MWH200.7/6010B )	Chromium, Total, ICAP	0.23	mg/l	0.02	2
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	3830	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.9	Units	0.001	1
<b>M-39 (2511030464)      Sampled on 11/02/05 09:06</b>								
	11/23/05 16:13	297015	( EPA 314 )	Perchlorate	420000	ug/l	40000	10000
	11/09/05 00:24	294223	( MWH200.7/6010B )	Chromium, Total, ICAP	4	mg/l	0.05	5
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	6140	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.8	Units	0.001	1

Tronox LLC - Henderson  
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-68 (2511030465)      Sampled on 11/02/05 09:21</b>								
	11/23/05 16:30	297015	( EPA 314 )	Perchlorate	41000	ug/l	8000	2000
	11/09/05 00:20	294223	( MWH200.7/6010B )	Chromium, Total, ICAP	0.72	mg/l	0.02	2
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	5430	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.9	Units	0.001	1
<b>M-67 (2511030466)      Sampled on 11/02/05 09:39</b>								
	11/23/05 16:47	297015	( EPA 314 )	Perchlorate	630000	ug/l	80000	20000
	11/09/05 00:33	294223	( MWH200.7/6010B )	Chromium, Total, ICAP	5.2	mg/l	0.05	5
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	6710	umho/cm	2	1
	11/08/05 00:00	294340	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.7	Units	0.001	1
<b>I-K (2511030467)      Sampled on 11/02/05 09:54</b>								
	11/23/05 17:21	297015	( EPA 314 )	Perchlorate	84000	ug/l	20000	5000
	11/08/05 21:32	294222	( MWH200.7/6010B )	Chromium, Total, ICAP	1.2	mg/l	0.02	2
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	5590	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.8	Units	0.001	1
<b>I-J (2511030468)      Sampled on 11/02/05 09:52</b>								
	11/23/05 17:38	297015	( EPA 314 )	Perchlorate	220000	ug/l	40000	10000
	11/08/05 21:37	294222	( MWH200.7/6010B )	Chromium, Total, ICAP	2.5	mg/l	0.02	2
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	5870	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.7	Units	0.001	1
<b>I-Z (2511030469)      Sampled on 11/02/05 09:47</b>								
	11/23/05 17:55	297015	( EPA 314 )	Perchlorate	750000	ug/l	80000	20000
	11/08/05 22:31	294222	( MWH200.7/6010B )	Chromium, Total, ICAP	10	mg/l	0.2	20
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	8370	umho/cm	2	1
	11/08/05 00:00	294340	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.7	Units	0.001	1



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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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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>I-I (2511030470)      Sampled on 11/02/05 09:44</b>								
	11/23/05 18:12	297015	( EPA 314 )	Perchlorate	1400000	ug/l	200000	50000
	11/08/05 00:00	294222	( MWH200.7/6010B)	Chromium, Total, ICAP	22	mg/l	0.5	50
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	11100	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.6	Units	0.001	1
<b>M-74 (2511030471)      Sampled on 11/02/05 10:09</b>								
	11/23/05 18:29	297015	( EPA 314 )	Perchlorate	60000	ug/l	4000	1000
	11/09/05 00:16	294223	( MWH200.7/6010B)	Chromium, Total, ICAP	0.96	mg/l	0.05	5
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	6390	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.9	Units	0.001	1
<b>M-73 (2511030472)      Sampled on 11/02/05 10:25</b>								
	11/28/05 20:56	297470	( EPA 314 )	Perchlorate	160000	ug/l	20000	5000
	11/15/05 09:40	295336	( MWH200.7/6010B)	Chromium, Total, ICAP	2.1	mg/l	0.02	2
	11/07/05 12:00	293966	( 2510B/ SW9050 )	Specific Conductance	3550	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	8.0	Units	0.001	1
<b>M-18 (2511030473)      Sampled on 11/02/05 10:40</b>								
	11/28/05 21:13	297470	( EPA 314 )	Perchlorate	63000	ug/l	4000	1000
	11/15/05 11:41	295337	( MWH200.7/6010B)	Chromium, Total, ICAP	1.2	mg/l	0.02	2
	11/07/05 12:16	293967	( 2510B/ SW9050 )	Specific Conductance	7250	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.9	Units	0.001	1
<b>M-88 (2511030474)      Sampled on 11/02/05 10:50</b>								
	11/23/05 19:20	297015	( EPA 314 )	Perchlorate	47000	ug/l	2000	500
	11/09/05 00:29	294223	( MWH200.7/6010B)	Chromium, Total, ICAP	0.74	mg/l	0.02	2
	11/07/05 12:16	293967	( 2510B/ SW9050 )	Specific Conductance	6990	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (H1=past HT, not compliant)	7.8	Units	0.001	1





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750 Foyal 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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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>I-V (2511030475)</b>		<b>Sampled on 11/02/05 10:59</b>						
	11/23/05 19:37	297015	( EPA 314 )	Perchlorate	1800000	ug/l	200000	50000
	11/08/05 21:41	294222	( MWH200.7/6010B)	Chromium, Total, ICAP	21	mg/l	0.5	50
	11/07/05 12:16	293967	( 2510B/ SW9050 )	Specific Conductance	10800	umho/cm	2	1
	11/08/05 00:00	294339	( 4500HB/ E 150 )	PH (HI=past HT, not compliant)	7.6	Units	0.001	1
<b>EB-2 (2511030478)</b>		<b>Sampled on 11/02/05 08:03</b>						
	11/23/05 19:54	297015	( EPA 314 )	Perchlorate	430	ug/l	40	10
	11/09/05 01:12	294223	( MWH200.7/6010B)	Chromium, Total, ICAP	ND	mg/l	0.01	1
	11/03/05 00:00	294079	( MWH SW7196 )	Hexavalent chromium (Cr VI)	0.013(H3)	mg/l	0.005	1
	11/07/05 12:16	293967	( 2510B/ SW9050 )	Specific Conductance	52	umho/cm	2	1
	11/07/05 00:00	294087	( 4500HB/ E 150 )	PH (HI=past HT, not compliant)	8.1	Units	0.001	1
11/06/05	11/06/05 18:00	294156	( SM 2540C )	Total Dissolved Solid (TDS)	10	mg/l	10	1



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Fax: 626 386 1101  
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## QC Ref #293965 - Specific Conductance

Analysis Date: 11/07/2005

2511030453	M-92	Analyzed by: sar
2511030455	M-97	Analyzed by: sar
2511030456	M-93	Analyzed by: sar
2511030457	M-12A	Analyzed by: sar
2511030458	M-31A	Analyzed by: sar
2511030460	M-50	Analyzed by: sar
2511030461	M-34	Analyzed by: sar
2511030462	M-35	Analyzed by: sar

## QC Ref #293966 - Specific Conductance

Analysis Date: 11/07/2005

2511030463	M-19	Analyzed by: sar
2511030464	M-39	Analyzed by: sar
2511030465	M-68	Analyzed by: sar
2511030466	M-67	Analyzed by: sar
2511030467	I-K	Analyzed by: sar
2511030468	I-J	Analyzed by: sar
2511030469	I-Z	Analyzed by: sar
2511030470	I-I	Analyzed by: sar
2511030471	M-74	Analyzed by: sar
2511030472	M-73	Analyzed by: sar

## QC Ref #293967 - Specific Conductance

Analysis Date: 11/07/2005

2511030473	M-18	Analyzed by: sar
2511030474	M-88	Analyzed by: sar
2511030475	I-V	Analyzed by: sar
2511030478	EB-2	Analyzed by: sar

## QC Ref #294079 - Hexavalent chromium (Cr VI)

Analysis Date: 11/03/2005

2511030457	M-12A	Analyzed by: dtn
2511030478	EB-2	Analyzed by: dtn



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QC Ref #294086 - PH (H1=past HT, not compliant) Analysis Date: 11/07/2005

2511030453	M-92	Analyzed by: aide
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QC Ref #294087 - PH (H1=past HT, not compliant) Analysis Date: 11/07/2005

2511030455	M-97	Analyzed by: aide
2511030456	M-93	Analyzed by: aide
2511030457	M-12A	Analyzed by: aide
2511030458	M-31A	Analyzed by: aide
2511030460	M-50	Analyzed by: aide
2511030461	M-34	Analyzed by: aide
2511030462	M-35	Analyzed by: aide
2511030463	M-19	Analyzed by: aide
2511030478	EB-2	Analyzed by: aide

QC Ref #294156 - Total Dissolved Solid (TDS) Analysis Date: 11/06/2005

2511030457	M-12A	Analyzed by: lmr
2511030478	EB-2	Analyzed by: lmr

QC Ref #294222 - Chromium, Total, ICAP Analysis Date: 11/08/2005

2511030456	M-93	Analyzed by: wbh
2511030467	I-K	Analyzed by: wbh
2511030468	I-J	Analyzed by: wbh
2511030469	I-Z	Analyzed by: wbh
2511030470	I-I	Analyzed by: wbh
2511030475	I-V	Analyzed by: wbh

QC Ref #294223 - Chromium, Total, ICAP Analysis Date: 11/09/2005

2511030461	M-34	Analyzed by: wbh
2511030462	M-35	Analyzed by: wbh
2511030463	M-19	Analyzed by: wbh
2511030464	M-39	Analyzed by: wbh
2511030465	M-68	Analyzed by: wbh
2511030466	M-67	Analyzed by: wbh



750 Royal Oaks Drive, Suite 100  
 Monrovia, California 91016-3629  
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2511030471	M-74	Analyzed by: wbh
2511030474	M-88	Analyzed by: wbh
2511030478	EB-2	Analyzed by: wbh

QC Ref #294339 - PH (H1=past HT, not compliant) Analysis Date: 11/08/2005

2511030464	M-39	Analyzed by: aide
2511030465	M-68	Analyzed by: aide
2511030467	I-K	Analyzed by: aide
2511030468	I-J	Analyzed by: aide
2511030470	I-I	Analyzed by: aide
2511030471	M-74	Analyzed by: aide
2511030472	M-73	Analyzed by: aide
2511030473	M-18	Analyzed by: aide
2511030474	M-88	Analyzed by: aide
2511030475	I-V	Analyzed by: aide

QC Ref #294340 - PH (H1=past HT, not compliant) Analysis Date: 11/08/2005

2511030466	M-67	Analyzed by: aide
2511030469	I-Z	Analyzed by: aide

QC Ref #295336 - Chromium, Total, ICAP Analysis Date: 11/15/2005

2511030453	M-92	Analyzed by: wbh
2511030457	M-12A	Analyzed by: wbh
2511030458	M-31A	Analyzed by: wbh
2511030472	M-73	Analyzed by: wbh

QC Ref #295337 - Chromium, Total, ICAP Analysis Date: 11/15/2005

2511030455	M-97	Analyzed by: wbh
2511030460	M-50	Analyzed by: wbh
2511030473	M-18	Analyzed by: wbh



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**QC Ref #293965                      Specific Conductance**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	7920	7840	UMHO		( 0-20 )	1.0
MRL_CHK	Specific Conductance	2.000	2.05	UMHO	102.5	( 50-150 )	

**QC Ref #293966                      Specific Conductance**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	3550	3570	UMHO		( 0-20 )	0.6
MRL_CHK	Specific Conductance	2.000	2.05	UMHO	102.5	( 50-150 )	

**QC Ref #293967                      Specific Conductance**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	1400	1390	UMHO		( 0-20 )	0.7
MRL_CHK	Specific Conductance	2.000	2.05	UMHO	102.5	( 50-150 )	

**QC Ref #294079                      Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	11030478	MGL		( 0-0 )	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.053	MGL	106.0	( 85-115 )	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	( 85-115 )	1.9
MBLK	Hexavalent chromium (Cr VI)	ND	<0.005	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.004	MGL	80.0	( 50-150 )	
MS	Hexavalent chromium (Cr VI)	0.05	0.051	MGL	102.0	( 70-130 )	
MSD	Hexavalent chromium (Cr VI)	0.05	0.054	MGL	108.0	( 70-130 )	5.7

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  
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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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QC Ref #294086 PH (H1=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H1=past HT, not compliant)	8.1	8.1	UNIT		( 0-20 )	0.0

QC Ref #294087 PH (H1=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H1=past HT, not compliant)	7.9	7.9	UNIT		( 0-20 )	0.0

QC Ref #294156 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	10050108	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	490	500	MGL		( 0-10 )	2.0
LCS1	Total Dissolved Solid (TDS)	175	184	MGL	105.1	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	702	MGL	100.3	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8.0	MGL	80.0	( 50-150 )	

QC Ref #294222 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.937	MGL	93.7	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.951	MGL	95.1	( 85-115 )	1.5
MBLK	Chromium, Total, ICAP	ND	<0.01	MGL			
MS	Chromium, Total, ICAP	1.00	0.926	MGL	92.6	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.933	MGL	93.3	( 70-130 )	0.75

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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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 Ref #294223      Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.939	MGL	93.9	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.934	MGL	93.4	( 85-115 )	0.53
MBLK	Chromium, Total, ICAP	ND	<0.01	MGL			
MS	Chromium, Total, ICAP	1.00	0.926	MGL	92.6	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.933	MGL	93.3	( 70-130 )	0.75

QC Ref #294339      PH (H1=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H1=past HT, not compliant)	7.8	7.8	UNIT		( 0-20 )	0.0

QC Ref #294340      PH (H1=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H1=past HT, not compliant)	7.4	7.4	UNIT		( 0-20 )	0.0

QC Ref #295336      Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.989	MGL	98.9	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	( 85-115 )	2.1
MBLK	Chromium, Total, ICAP	ND	<0.01	MGL			
MS	Chromium, Total, ICAP	1.00	1.0	MGL	100.0	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	( 70-130 )	1.00

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.





**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 Ref #295337      Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	( 85-115 )	2.0
MBLK	Chromium, Total, ICAP	ND	<0.01	MGL			
MS	Chromium, Total, ICAP	1.00	0.995	MGL	99.5	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	1.0	MGL	100.0	( 70-130 )	0.50

QC Ref #296834      Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	25.0	24.2	UGL	96.8	( 85-115 )	
LCS1	Perchlorate	25.0	24.5	UGL	98.0	( 85-115 )	
MBLK	Perchlorate	ND	<4	UGL			
MS	Perchlorate	25.0	25.6	UGL	102.4	( 70-130 )	
MSD	Perchlorate	25.0	25.7	UGL	102.8	( 70-130 )	0.39

QC Ref #297015      Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	25.0	24.3	UGL	97.2	( 85-115 )	
MBLK	Perchlorate	ND	<4	UGL			
MS	Perchlorate	25.0	24.4	UGL	97.6	( 70-130 )	
MSD	Perchlorate	25.0	24	UGL	96.0	( 70-130 )	1.7

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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Monrovia, California 91016-3629  
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 #297470

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	25.0	24.1	UGL	96.4	( 85-115 )	
LCS1	Perchlorate	25.0	24.5	UGL	98.0	( 85-115 )	
MBLK	Perchlorate	ND	<4	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	( 70-130 )	
MSD	Perchlorate	25.0	24.4	UGL	97.6	( 70-130 )	3.2

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.