



# 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)

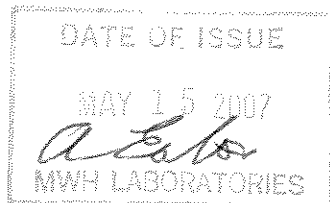
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager

Report#201030R replaces the original Report.



Report#: 201030R  
Project: CL04  
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 12 page[s].



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

201030

150 Royal Oaks Ave, Suite 100, Monrovia, CA 91016  
(626) 366-1100 (800) 566-5227

M/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN  PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: **KERRMCGEE-MP** PROJECT JOB # / P.O.#: **Collection Waste Fields - Realty - SO #12333** (check for yes)

Sampler: **Michele Brown** Tronox LLC - Henderson Plant  
**Susan Crowley** (702) 551-2200 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		COMP	SAMPLER COMMENTS
				GRAB	COMP		
0530	4/9/07		ART-1	RSW	X	X	SBO 12373 & 18787
0530	4/9/07		ART-2	RSW	X	X	
0530	4/9/07		ART-3	RSW	X	X	
0530	4/9/07		ART-4	RSW	X	X	
0530	4/9/07		ART-5	RSW	X	X	
0530	4/9/07		ART-6	RSW	X	X	
0530	4/9/07		ART-7	RSW	X	X	
0530	4/9/07		ART-8	RSW	X	X	
0600	4/9/07		PC-99R2/R3	RSW	X	X	
0600	4/9/07		PC-115R	RSW	X	X	
0600	4/9/07		PC-116R	RSW	X	X	
0600	4/9/07		Seep Surface Flow	RSW	X	X	

\* MATRIX TYPES:

Reported by Volume:

CFW = Chloraminated Finished Water  
FW = Other Finished Water

Reported by Weight:

SO = Soil  
SL = Sludge

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

RGW = Raw Ground Water  
RSW = Raw Surface Water

RELINQUISHED BY: Michele Brown SIGNATURE: Jak Sanchez PRINT NAME: Michele Brown

RECEIVED BY: Jak Sanchez COMPANY/TITLE: Veolia Water for Tronox LLC - Henderson Plant

DATE: 4/9/2007 TIME: 1200pm

RELINQUISHED BY: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

MW LABS USE ONLY:

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: SS

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN  PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

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

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	Total Cl <sub>2</sub>	TS	OR	SAMPLER COMMENTS
6:00	4/9/07		SF-1	RSW	X		X	X		
6:00	4/9/07		PC-117	RSW	X		X	X		
6:00	4/9/07		PC-118	RSW	X		X	X		
6:00	4/9/07		PC-119	RSW	X		X	X		
6:00	4/9/07		PC-120	RSW	X		X	X		
6:00	4/9/07		PC-121	RSW	X		X	X		
6:00	4/9/07		PC-133	RSW	X		X	X		
5:30	4/9/07		ART-9	RSW	X		X	X		

\* MATRIX TYPES:

Reported by Volume:  
 CFW = Chlor(amin)ated Finished Water  
 FW = Other Finished Water

Reported by Weight:  
 SO = Soil  
 SL = Sludge  
 SW = Storm Water

RGW = Raw Ground Water  
 RSW = Raw Surface Water

SIGNATURE

*Michele Brown for Sanchez*

PRINT NAME

Michele Brown

COMPANY/TITLE

Veolia Water for Tronex LLC - Henderson Plant

DATE

4/9/2007

TIME

12:00pm

REINQUIRED BY:

*Michele Brown for Sanchez*

JOE SANCHEZ

MWA

4/10/07 10:00

REINQUIRED BY:

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 Ironox, LLC - Henderson**

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

Client Code KERRMCGEE-MP

Project Code CLO4

PO# / Job# GWREMEDICATION

Blanket PO

W Weekly

Week 1

SO# 35175 12373 RS

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

Created by

Order Date

03/14/07

Date Needed  
by Client

Ship Sample Kits to

Veolia Water-Tronox LLC

Gate 1

8000 West Lake Mead Drive  
Henderson, NV 89015

Send Report to

Ironox, LLC Henderson Plant

P.O. Box 55

Henderson, NV 89009

Billing Address

Ironox, LLC

Attn: Accounts Payable

P.O. Box 268959

Oklahoma City, OK 73126-8859

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

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
30	CLO4, TDS,	1 250 ml poly /no preservative	-	Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC
-	SHEET OF LABELS WITH WELL-IDS	see comments section	-	PC-117, PC-118, PC-119, PC-120, and PC-121
-			-	PC-116R
-			-	PC-99R2
-			-	PC-99R3
-			-	PC-115R
-			-	ART-1
-			-	ART-2
-			-	ART-3
-			-	ART-4
-			-	ART-5
-			-	ART-6
-			-	ART-7
-			-	ART-8
-			-	Seep Surface Flow
-			-	SF-1"
-			-	Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
-			-	EXTRA BOTTLES INCLUDED
-			-	client code changed 7/25/03
-			-	Testcode updated 3-16-06
-			-	standing order changed 6-14-06
-			-	login note added 7-6-06
-			-	TDS

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared 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: 142549

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

**From: TRONOX LLC**

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>04/09/07</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 <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect			FULL NAME OF SHIPPER TRONOX LLC		
N/AR			CUSTOMER PO OR REQ'N NO.		
SHIPPED FROM <b>Henderson, NV 89015</b>			CODE NO. WCN IS <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.		
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY		
	<b>Weekly ART and PC Well Samples Not Regulated</b>		<b>1 COOLER</b>		
	<b>1 cooler @ 34 lbs</b>				
TRUCK SHIPMENTS PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO    PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			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.		
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT		
		<b>0</b>			
<b>1</b>	TOTAL GROSS WEIGHT <b>34</b>	TOTAL TARE WEIGHT <b>0</b>	<b>34</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.					
TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859		PER <b>Judi Durkin</b>	AGENT	PER	

**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#: 201030  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **04/10/07**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2704100092	ART-1	CLO4	TDS	Water 09-apr-2007 05:30:00
2704100093	ART-2	CLO4	TDS	Water 09-apr-2007 05:30:00
2704100094	ART-3	CLO4	TDS	Water 09-apr-2007 05:30:00
2704100095	ART-4	CLO4	TDS	Water 09-apr-2007 05:30:00
2704100096	ART-6	CLO4	TDS	Water 09-apr-2007 05:30:00
2704100097	ART-7	CLO4	TDS	Water 09-apr-2007 05:30:00
2704100098	ART-8	CLO4	TDS	Water 09-apr-2007 05:30:00
2704100099	PC-99R2/R3	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100100	PC-115R	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100101	PC-116R	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100102	SEEP SURFACE FLOW	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100103	SF-1	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100104	PC-117	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100105	PC-118	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100106	PC-119	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100107	PC-120	CLO4	TDS	Water 09-apr-2007 06:00:00
2704100108	PC-121	CLO4	TDS	Water 09-apr-2007 06:00:00

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#: 201030  
Project#: CLO4  
Proj Mgr: Andrew Eaton  
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2704100109	PC-133	CLO4 TDS	Water	09-apr-2007 06:00:00
2704100110	ART-9	CLO4 TDS	Water	09-apr-2007 05:30:00

Test Acronym Description

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



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Report  
Comments  
#201030

## 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: \_\_\_\_\_

## Group Comments

Report revised to correct result for ClO4 on ART-9 ADE 5/15/07





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Laboratory  
Hits Report  
#201030

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

Samples Received  
10-apr-2007 13:24:43

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2704100092	ART-1				
04/20/07	Perchlorate		132		ug/l	10
04/10/07	Total Dissolved Solid (TDS)		7270	500	mg/l	10
	2704100093	ART-2				
04/20/07	Perchlorate		186000		ug/l	20000
04/10/07	Total Dissolved Solid (TDS)		9470	500	mg/l	10
	2704100094	ART-3				
04/20/07	Perchlorate		238000		ug/l	40000
04/10/07	Total Dissolved Solid (TDS)		8600	500	mg/l	10
	2704100095	ART-4				
04/19/07	Perchlorate		337000		ug/l	40000
04/10/07	Total Dissolved Solid (TDS)		6470	500	mg/l	10
	2704100096	ART-6				
04/19/07	Perchlorate		77500		ug/l	20000
04/10/07	Total Dissolved Solid (TDS)		7370	500	mg/l	10
	2704100097	ART-7				
04/19/07	Perchlorate		127000		ug/l	20000
04/10/07	Total Dissolved Solid (TDS)		10200	500	mg/l	10
	2704100098	ART-8				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#201030

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

Samples Received  
10-apr-2007 13:24:43

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2704100098	ART-8				
04/19/07	Perchlorate		304000		ug/l	40000
04/10/07	Total Dissolved Solid (TDS)		9900	500	mg/l	10
	2704100099	PC-99R2/R3				
04/19/07	Perchlorate		19300		ug/l	2000
04/10/07	Total Dissolved Solid (TDS)		5300	500	mg/l	10
	2704100100	PC-115R				
04/19/07	Perchlorate		14800		ug/l	2000
04/10/07	Total Dissolved Solid (TDS)		4960	500	mg/l	10
	2704100101	PC-116R				
04/19/07	Perchlorate		13800		ug/l	2000
04/10/07	Total Dissolved Solid (TDS)		5170	500	mg/l	10
	2704100102	SEEP SURFACE FLOW				
04/19/07	Perchlorate		1600		ug/l	200
04/10/07	Total Dissolved Solid (TDS)		3460	500	mg/l	10
	2704100103	SF-1				
04/20/07	Perchlorate		20		ug/l	10
04/10/07	Total Dissolved Solid (TDS)		6230	500	mg/l	10
	2704100104	PC-117				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#201030

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

Samples Received  
10-apr-2007 13:24:43

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2704100104	PC-117				
04/19/07	Perchlorate		4760		ug/l	800
04/10/07	Total Dissolved Solid (TDS)		3960	500	mg/l	10
	2704100105	PC-118				
04/19/07	Perchlorate		11100		ug/l	800
04/10/07	Total Dissolved Solid (TDS)		4290	500	mg/l	10
	2704100106	PC-119				
04/19/07	Perchlorate		7110		ug/l	800
04/10/07	Total Dissolved Solid (TDS)		3930	500	mg/l	10
	2704100107	PC-120				
04/19/07	Perchlorate		2100		ug/l	400
04/10/07	Total Dissolved Solid (TDS)		2860	500	mg/l	10
	2704100108	PC-121				
04/19/07	Perchlorate		1920		ug/l	400
04/10/07	Total Dissolved Solid (TDS)		2770	500	mg/l	10
	2704100109	PC-133				
04/19/07	Perchlorate		7650		ug/l	400
04/10/07	Total Dissolved Solid (TDS)		4990	500	mg/l	10
	2704100110	ART-9				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#201030

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

Samples Received  
10-apr-2007 13:24:43

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2704100110	ART-9				
04/19/07	Perchlorate		318000		ug/l	20000
04/10/07	Total Dissolved Solid (TDS)		7910	500	mg/l	10



**MWH Laboratories**  
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Laboratory  
Data Report  
#201030

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

Samples Received  
04/10/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>ART-1 (2704100092)      Sampled on 04/09/07 05:30</b>								
	04/20/07 00:00	362691	( EPA 314	) Perchlorate	132	ug/l	10	5
04/10/07	04/10/07 17:03	361331	( SM 2540C	) Total Dissolved Solid (TDS)	7270	mg/l	10	1
<b>ART-2 (2704100093)      Sampled on 04/09/07 05:30</b>								
	04/20/07 00:00	362691	( EPA 314	) Perchlorate	186000	ug/l	20000	5000
04/10/07	04/10/07 17:03	361331	( SM 2540C	) Total Dissolved Solid (TDS)	9470	mg/l	10	1
<b>ART-3 (2704100094)      Sampled on 04/09/07 05:30</b>								
	04/20/07 00:00	362691	( EPA 314	) Perchlorate	238000	ug/l	40000	10000
04/10/07	04/10/07 17:03	361331	( SM 2540C	) Total Dissolved Solid (TDS)	8600	mg/l	10	1
<b>ART-4 (2704100095)      Sampled on 04/09/07 05:30</b>								
	04/19/07 00:00	362689	( EPA 314	) Perchlorate	337000	ug/l	40000	10000
04/10/07	04/10/07 17:03	361331	( SM 2540C	) Total Dissolved Solid (TDS)	6470	mg/l	10	1
<b>ART-6 (2704100096)      Sampled on 04/09/07 05:30</b>								
	04/19/07 00:00	362689	( EPA 314	) Perchlorate	77500	ug/l	20000	5000
04/10/07	04/10/07 17:03	361331	( SM 2540C	) Total Dissolved Solid (TDS)	7370	mg/l	10	1
<b>ART-7 (2704100097)      Sampled on 04/09/07 05:30</b>								
	04/19/07 00:00	362689	( EPA 314	) Perchlorate	127000	ug/l	20000	5000
04/10/07	04/10/07 17:03	361331	( SM 2540C	) Total Dissolved Solid (TDS)	10200	mg/l	10	1
<b>ART-8 (2704100098)      Sampled on 04/09/07 05:30</b>								
	04/19/07 00:00	362689	( EPA 314	) Perchlorate	304000	ug/l	40000	10000
04/10/07	04/10/07 17:03	361331	( SM 2540C	) Total Dissolved Solid (TDS)	9900	mg/l	10	1



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Laboratory  
Data Report  
#201030

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-99R2/R3 (2704100099)</b>					<b>Sampled on 04/09/07 06:00</b>			
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	19300	ug/l	2000	500
04/10/07	04/10/07 17:03	361331	( SM 2540C )	Total Dissolved Solid (TDS)	5300	mg/l	10	1
<b>PC-115R (2704100100)</b>					<b>Sampled on 04/09/07 06:00</b>			
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	14800	ug/l	2000	500
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	4960	mg/l	10	1
<b>PC-116R (2704100101)</b>					<b>Sampled on 04/09/07 06:00</b>			
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	13800	ug/l	2000	500
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	5170	mg/l	10	1
<b>SEEP SURFACE FLOW (2704100102)</b>					<b>Sampled on 04/09/07 06:00</b>			
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	1600	ug/l	200	50
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	3460	mg/l	10	1
<b>SF-1 (2704100103)</b>					<b>Sampled on 04/09/07 06:00</b>			
	04/20/07 00:01	362791	( EPA 314 )	Perchlorate	20	ug/l	10	5
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	6230	mg/l	10	1
<b>PC-117 (2704100104)</b>					<b>Sampled on 04/09/07 06:00</b>			
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	4760	ug/l	800	200
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	3960	mg/l	10	1
<b>PC-118 (2704100105)</b>					<b>Sampled on 04/09/07 06:00</b>			
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	11100	ug/l	800	200
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	4290	mg/l	10	1
<b>PC-119 (2704100106)</b>					<b>Sampled on 04/09/07 06:00</b>			
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	7110	ug/l	800	200
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	3930	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-120 (2704100107)                    Sampled on 04/09/07 06:00</b>								
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	2100	ug/l	400	100
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	2860	mg/l	10	1
<b>PC-121 (2704100108)                    Sampled on 04/09/07 06:00</b>								
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	1920	ug/l	400	100
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	2770	mg/l	10	1
<b>PC-133 (2704100109)                    Sampled on 04/09/07 06:00</b>								
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	7650	ug/l	400	100
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	4990	mg/l	10	1
<b>ART-9 (2704100110)                    Sampled on 04/09/07 05:30</b>								
	04/19/07 00:00	362689	( EPA 314 )	Perchlorate	318000	ug/l	20000	5000
04/10/07	04/10/07 17:52	361330	( SM 2540C )	Total Dissolved Solid (TDS)	7910	mg/l	10	1



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**QC Ref #361330 - Total Dissolved Solid (TDS) Analysis Date: 04/10/2007**

2704100100	PC-115R	Analyzed by: anh
2704100101	PC-116R	Analyzed by: anh
2704100102	SEEP SURFACE FLOW	Analyzed by: anh
2704100103	SF-1	Analyzed by: anh
2704100104	PC-117	Analyzed by: anh
2704100105	PC-118	Analyzed by: anh
2704100106	PC-119	Analyzed by: anh
2704100107	PC-120	Analyzed by: anh
2704100108	PC-121	Analyzed by: anh
2704100109	PC-133	Analyzed by: anh
2704100110	ART-9	Analyzed by: anh

**QC Ref #361331 - Total Dissolved Solid (TDS) Analysis Date: 04/10/2007**

2704100092	ART-1	Analyzed by: anh
2704100093	ART-2	Analyzed by: anh
2704100094	ART-3	Analyzed by: anh
2704100095	ART-4	Analyzed by: anh
2704100096	ART-6	Analyzed by: anh
2704100097	ART-7	Analyzed by: anh
2704100098	ART-8	Analyzed by: anh
2704100099	PC-99R2/R3	Analyzed by: anh

**QC Ref #362689 - Perchlorate Analysis Date: 04/19/2007**

2704100095	ART-4	Analyzed by: raja
2704100096	ART-6	Analyzed by: raja
2704100097	ART-7	Analyzed by: raja
2704100098	ART-8	Analyzed by: raja
2704100099	PC-99R2/R3	Analyzed by: raja
2704100100	PC-115R	Analyzed by: raja
2704100101	PC-116R	Analyzed by: raja
2704100102	SEEP SURFACE FLOW	Analyzed by: raja
2704100104	PC-117	Analyzed by: raja
2704100105	PC-118	Analyzed by: raja
2704100106	PC-119	Analyzed by: raja
2704100107	PC-120	Analyzed by: raja
2704100108	PC-121	Analyzed by: raja
2704100109	PC-133	Analyzed by: raja
2704100110	ART-9	Analyzed by: raja





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(continued)

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QC Ref #362691 - Perchlorate

Analysis Date: 04/20/2007

2704100092           ART-1  
2704100093           ART-2  
2704100094           ART-3

Analyzed by: raja  
Analyzed by: raja  
Analyzed by: raja

QC Ref #362791 - Perchlorate

Analysis Date: 04/20/2007

2704100103           SF-1

Analyzed by: raja



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## QC Ref #361330 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04100100	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	4960	4980	MGL		( 0-10 )	0.4
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	94.857	96.000	MGL	1.2	( 0-20 )	

## QC Ref #361331 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04090208	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	638	642	MGL		( 0-10 )	0.6
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	93.714	96.000	MGL	2.4	( 0-20 )	

## QC Ref #362689 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04100095	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	27.2	UGL	108.8	( 85-115 )	
LCS2	Perchlorate	25.0	27.1	UGL	108.4	( 85-115 )	
LCS3	Perchlorate	4	4.23	UGL	105.8	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	20.6	UGL	82.4	( 70-130 )	
MSD	Perchlorate	25.0	22.6	UGL	90.4	( 70-130 )	
RPD_LCS	Perchlorate	108.800	108.400	UGL	0.4	( 0-20 )	
RPD_MS	Perchlorate	82.400	90.400	UGL	9.3	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates  
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## QC Ref #362691

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04100191	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	27.2	UGL	108.8	( 85-115 )	
LCS2	Perchlorate	25.0	27.0	UGL	108.0	( 85-115 )	
LCS3	Perchlorate	4	4.50	UGL	112.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.0	UGL	96.0	( 70-130 )	
MSD	Perchlorate	25.0	21.5	UGL	86.0	( 70-130 )	
RPD_LCS	Perchlorate	108.800	108.000	UGL	0.7	( 0-20 )	
RPD_MS	Perchlorate	96.000	86.000	UGL	11.0	( 0-20 )	

## QC Ref #362791

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04110493	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	24.3	UGL	97.2	( 85-115 )	
LCS2	Perchlorate	25.0	25.5	UGL	102.0	( 85-115 )	
LCS3	Perchlorate	4	4.26	UGL	106.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.5	UGL	98.0	( 70-130 )	
MSD	Perchlorate	25.0	23.4	UGL	93.6	( 70-130 )	
RPD_LCS	Perchlorate	97.200	102.000	UGL	4.8	( 0-20 )	
RPD_MS	Perchlorate	98.000	93.600	UGL	4.6	( 0-20 )	

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are advisory only, unless otherwise specified in the method.