



# 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)

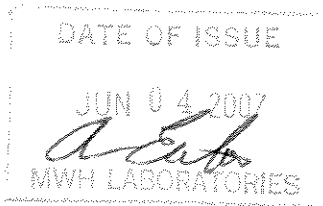
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 203401  
Project: CLO4  
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 23 page[s].





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

**Bottle Order for Kerr, McGee Chemical Company - Henderson Standing**

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

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

A Annual  
Week 1

SO# 35849 16933 RS

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

Created by AND 0 Ship Sample Kits to

Kerr McGee  
8000 West Lake Mead Drive  
Henderson, NV 89015

**Send Report to**

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

**Billing Address**

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

Order Date  
04/24/07  
Date Needed  
by Client  
04/27/07

Date Samples  
to Arrive at MWL  
04/28/07

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

Quote#  
ANDRE

**# 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
16	TOC	1 125ml amber glass + 0.5ml H2SO4( 50%)	UN 2796	LANDFILL WELLS: M-5A, M-6A, M-7A, H-28A
4	TOXQUAD	4 250ml amber glass + 1ml H2SO4	UN 2796	
16	PH, EC	1 125ml poly/ no preservative		
4	SO4, CL	1 125ml poly/ no preservative		
4	NA, CR, FE, MN	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	LOGIN - Please assign 4 lab numbers to each of the quadruplicate tests - TOX, TOC, EC, pH
4	PHENOL	1 500ml amber glass+ 1ml H2S2O4(50%)	UN 2796	FOR APRIL SAMPLING EVENT
				SHIPPING - THIS SO APPARENTLY NEVER WAS PRINTED FOR THIS YEAR - PLEASE EXPEDITE.

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: 142587

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>5/2/07</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 <b>CODE NO. WCN IS</b> <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.		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM <b>Henderson, NV</b>		
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY	
	<b>Quarterly Monitoring Well Samples</b>  One ice chest @ 22 lbs. One ice chest @ 25 lbs. One ice chest @ 67 lbs. One ice chest @ 48 lbs.  Not Regulated		<b>4 COOLERS</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>2</b>	<b>162</b>	<b>0</b>	<b>162</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

**Olga Maestas**

AGENT

PER

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



CLS022907/2422

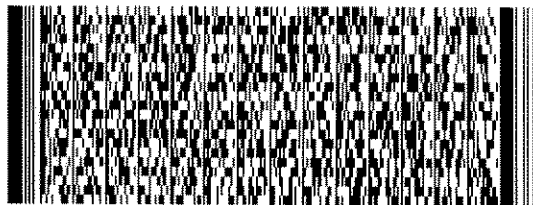
Ship Date: 02MAY07  
ActWgt: 67 LB  
System#: 2274147/INET2600  
Account#: S \*\*\*\*\*

Delivery Address Bar Code



Ref # MSO #142587  
Invoice #  
PO #  
Dept #

SHIP TO: (626)568-6400 **BILL SENDER**  
**ATTN: SAMPLE RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS DR # 100**  
  
**MONROVIA, CA 910163629**



**PRIORITY OVERNIGHT**

**THU**

Deliver By:  
03MAY07

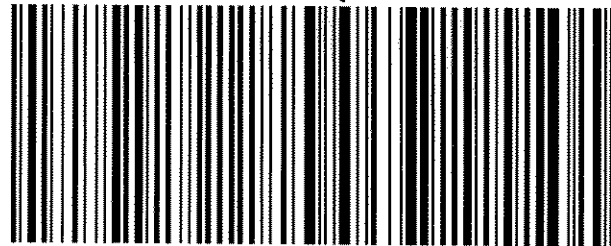
TRK# **7981 6594 2422**

FCRM  
0201

**BUR A2**

**91016 -CA-US**

**QZ WHPA**



Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.**

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

**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#: 203401  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **05/03/07**. 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
2705030127	M-5A	@TOXQUAD CL9056 MN6010 NA6010 T TDS	Water CLO4 P TOC	02-may-2007 05:58:00 EC9050 FE6010 PH9040 PHENOL SO49056
2705030133	M-6A	@TOXQUAD CL9056 MN6010 NA6010 T TDS	Water CLO4 P TOC	02-may-2007 06:38:00 EC9050 FE6010 PH9040 PHENOL SO49056
2705030134	M-7B	@TOXQUAD CL9056 MN6010 NA6010 T TDS	Water CLO4 P TOC	02-may-2007 06:57:00 EC9050 FE6010 PH9040 PHENOL SO49056
2705030135	H-28A	@TOXQUAD CL9056 MN6010 NA6010 T TDS	Water CLO4 P TOC	02-may-2007 07:49:00 EC9050 FE6010 PH9040 PHENOL SO49056
2705030136	M-5A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030139	M-5A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030140	M-5A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030141	M-6A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030142	M-6A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030143	M-6A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030144	M-7B	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030145	M-7B	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030146	M-7B	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00

Tronox LLC - Henderson  
 PO Box 55  
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 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2705030147	H-28A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030148	H-28A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00
2705030149	H-28A	@TOXQUAD EC9050	Water PH9040 TOC	02-may-2007 05:58:00

Test Acronym Description

Test Acronym	Description
@TOXQUAD	Org. Halogen Analysis, Total
CL9056	Chloride
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
EC9050	Specific Conductance
FE6010	Iron, Total, ICAP
MN6010	Manganese, Total, ICAP
NA6010	Sodium, Total, ICAP
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
PHENOL	Phenolic Compounds
SO49056	Sulfate
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)
TOC	Total Organic Carbon



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Report  
Comments  
#203401

## Client Specific Comments

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

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





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Laboratory  
Hits Report  
#203401

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

Samples Received  
03-may-2007 13:34:53

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2705030127</b>	<b>M-5A</b>				
05/08/07		Chloride	4920		mg/l	500
05/08/07		Iron, Total, ICAP	0.85		mg/l	0.040
05/08/07		Manganese, Total, ICAP	1.6		mg/l	0.0040
05/08/07		Metals digestion performed.	Y		Yes/No	
05/07/07		PH (H3=past HT, not compliant)	7.1		Units	0.0010
05/09/07		Perchlorate	22900		ug/l	2000
05/23/07		Phenolic Compounds	0.025		mg/l	0.010
05/10/07		Sodium, Total, ICAP	1800		mg/l	10
05/16/07		Specific Conductance	16000		umho/cm	2.0
05/08/07		Sulfate	1410		mg/l	250
05/08/07		Total Dissolved Solid (TDS)	9250	500	mg/l	10
05/15/07		Total Organic Carbon	15		mg/l	1.5
05/13/07		Total Organic Halogen	16200		ug/l	1000
	<b>2705030133</b>	<b>M-6A</b>				
05/08/07		Chloride	2630		mg/l	500
05/08/07		Iron, Total, ICAP	0.15		mg/l	0.040
05/08/07		Manganese, Total, ICAP	0.034		mg/l	0.0040
05/08/07		Metals digestion performed.	Y		Yes/No	
05/07/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
05/09/07		Perchlorate	30300		ug/l	4000
05/10/07		Sodium, Total, ICAP	1400		mg/l	10
05/16/07		Specific Conductance	10000		umho/cm	2.0
05/08/07		Sulfate	1280		mg/l	250
05/08/07		Total Dissolved Solid (TDS)	6350	500	mg/l	10
05/15/07		Total Organic Carbon	1.8		mg/l	1.5
05/13/07		Total Organic Halogen	4400		ug/l	2000
	<b>2705030134</b>	<b>M-7B</b>				

SUMMARY OF POSITIVE DATA ONLY.



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#203401

Tronox LLC - Henderson  
Susan Crowley  
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Samples Received  
03-may-2007 13:34:53

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2705030134</b>	<b>M-7B</b>				
05/08/07	Chloride		2970		mg/l	500
05/08/07	Metals digestion performed.		Y		Yes/No	
05/07/07	PH (H3=past HT, not compliant)		7.3		Units	0.0010
05/09/07	Perchlorate		55600		ug/l	4000
05/10/07	Sodium, Total, ICAP		1500		mg/l	10
05/16/07	Specific Conductance		11000		umho/cm	2.0
05/08/07	Sulfate		1390		mg/l	250
05/08/07	Total Dissolved Solid (TDS)		7000	500	mg/l	10
05/15/07	Total Organic Carbon		1.7		mg/l	1.5
05/12/07	Total Organic Halogen		9710		ug/l	1000
	<b>2705030135</b>	<b>H-28A</b>				
05/08/07	Chloride		2980		mg/l	500
05/08/07	Manganese, Total, ICAP		2.1		mg/l	0.0040
05/08/07	Metals digestion performed.		Y		Yes/No	
05/07/07	PH (H3=past HT, not compliant)		7.1		Units	0.0010
05/11/07	Perchlorate		8170		ug/l	800
05/10/07	Sodium, Total, ICAP		1300		mg/l	10
05/16/07	Specific Conductance		11000		umho/cm	2.0
05/08/07	Sulfate		1080		mg/l	250
05/08/07	Total Dissolved Solid (TDS)		6250	500	mg/l	10
05/15/07	Total Organic Carbon		9.1		mg/l	1.5
05/09/07	Total Organic Halogen		5730		ug/l	250
	<b>2705030136</b>	<b>M-5A</b>				
05/07/07	PH (H3=past HT, not compliant)		7.1		Units	0.0010
05/16/07	Specific Conductance		16000		umho/cm	2.0

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Laboratory  
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#203401

Tronox LLC - Henderson  
Susan Crowley  
PO Box 55  
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Samples Received  
03-may-2007 13:34:53

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2705030136</b>	<b>M-5A</b>				
05/15/07	Total Organic Carbon		16		mg/l	1.5
05/13/07	Total Organic Halogen		14300		ug/l	1000
	<b>2705030139</b>	<b>M-5A</b>				
05/07/07	PH (H3=past HT, not compliant)		7.1		Units	0.0010
05/16/07	Specific Conductance		16000		umho/cm	2.0
05/15/07	Total Organic Carbon		16		mg/l	1.5
05/12/07	Total Organic Halogen		14200		ug/l	500
	<b>2705030140</b>	<b>M-5A</b>				
05/07/07	PH (H3=past HT, not compliant)		7.1		Units	0.0010
05/16/07	Specific Conductance		16000		umho/cm	2.0
05/15/07	Total Organic Carbon		16		mg/l	1.5
05/13/07	Total Organic Halogen		15200		ug/l	1000
	<b>2705030141</b>	<b>M-6A</b>				
05/07/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/16/07	Specific Conductance		10000		umho/cm	2.0
05/19/07	Total Organic Carbon		2.0		mg/l	1.5
05/13/07	Total Organic Halogen		3860		ug/l	2000
	<b>2705030142</b>	<b>M-6A</b>				
05/07/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/16/07	Specific Conductance		10000		umho/cm	2.0
05/15/07	Total Organic Carbon		1.6		mg/l	1.5
05/13/07	Total Organic Halogen		3850		ug/l	2000

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 03-may-2007 13:34:53

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705030142	M-6A				
	2705030143	M-6A				
05/07/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/16/07	Specific Conductance		10000		umho/cm	2.0
05/15/07	Total Organic Carbon		1.8		mg/l	1.5
05/13/07	Total Organic Halogen		4330		ug/l	2000
	2705030144	M-7B				
05/07/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
05/16/07	Specific Conductance		11000		umho/cm	2.0
05/15/07	Total Organic Carbon		1.8		mg/l	1.5
05/12/07	Total Organic Halogen		8610		ug/l	1000
	2705030145	M-7B				
05/07/07	PH (H3=past HT, not compliant)		7.3		Units	0.0010
05/16/07	Specific Conductance		11000		umho/cm	2.0
05/15/07	Total Organic Carbon		1.8		mg/l	1.5
05/12/07	Total Organic Halogen		8860		ug/l	1000
	2705030146	M-7B				
05/07/07	PH (H3=past HT, not compliant)		7.3		Units	0.0010
05/16/07	Specific Conductance		11000		umho/cm	2.0
05/15/07	Total Organic Carbon		1.7		mg/l	1.5
05/12/07	Total Organic Halogen		8410		ug/l	1000
	2705030147	H-28A				

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1 800 566 LABS (1 800 566 5227)

Laboratory  
Hits Report  
#203401

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

Samples Received  
03-may-2007 13:34:53

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2705030147</b>	<b>H-28A</b>				
05/07/07	PH (H3=past HT, not compliant)		7.2		Units	0.0010
05/16/07	Specific Conductance		11000		umho/cm	2.0
05/15/07	Total Organic Carbon		9.0		mg/l	1.5
05/09/07	Total Organic Halogen		5960		ug/l	250
	<b>2705030148</b>	<b>H-28A</b>				
05/07/07	PH (H3=past HT, not compliant)		7.2		Units	0.0010
05/16/07	Specific Conductance		11000		umho/cm	2.0
05/15/07	Total Organic Carbon		9.0		mg/l	1.5
05/09/07	Total Organic Halogen		5960		ug/l	250
	<b>2705030149</b>	<b>H-28A</b>				
05/07/07	PH (H3=past HT, not compliant)		7.2		Units	0.0010
05/16/07	Specific Conductance		11000		umho/cm	2.0
05/15/07	Total Organic Carbon		9.3		mg/l	1.5
05/12/07	Total Organic Halogen		6080		ug/l	250

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Laboratory  
Data Report  
#203401

Tronox LLC - Henderson  
Susan Crowley  
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Henderson, NV 89009

Samples Received  
05/03/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-5A (2705030127)</b>		<b>Sampled on 05/02/07 05:58</b>						
	05/08/07 00:00	366298	( ML/EPA 9056 )	Chloride	4920	mg/l	500	500
	05/09/07 00:02	365907	( EPA 314 )	Perchlorate	22900	ug/l	2000	500
	05/08/07 00:00	365631	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	16000	umho/cm	2.0	1
05/08/07	05/08/07 00:00	365758	( ML/EPA 6010B )	Iron, Total, ICAP	0.85	mg/l	0.040	2
05/08/07	05/08/07 00:00	365760	( ML/EPA 6010B )	Manganese, Total, ICAP	1.6	mg/l	0.0040	2
05/08/07	05/10/07 00:00	366075	( ML/EPA 6010B )	Sodium, Total, ICAP	1800	mg/l	10	10
	05/07/07 00:00	365363	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
05/15/07	05/23/07 00:00	368412	( MWH 420/SW9066)	Phenolic Compounds	0.025	mg/l	0.010	1
	05/08/07 00:00	366299	( ML/EPA 9056 )	Sulfate	1410	mg/l	250	500
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	9250	mg/l	10	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	15	mg/l	1.5	5
	05/13/07 00:00	369920	( SW9020/SM5320 )	Total Organic Halogen	16200	ug/l	1000	100
<b>M-6A (2705030133)</b>		<b>Sampled on 05/02/07 06:38</b>						
	05/08/07 00:00	366298	( ML/EPA 9056 )	Chloride	2630	mg/l	500	500
	05/09/07 00:02	365907	( EPA 314 )	Perchlorate	30300	ug/l	4000	1000
	05/08/07 00:00	365631	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	10000	umho/cm	2.0	1
05/08/07	05/08/07 00:00	365758	( ML/EPA 6010B )	Iron, Total, ICAP	0.15	mg/l	0.040	2
05/08/07	05/08/07 00:00	365760	( ML/EPA 6010B )	Manganese, Total, ICAP	0.034	mg/l	0.0040	2
05/08/07	05/10/07 00:00	366075	( ML/EPA 6010B )	Sodium, Total, ICAP	1400	mg/l	10	10
	05/07/07 00:00	365376	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
05/15/07	05/16/07 00:00	366822	( MWH 420/SW9066)	Phenolic Compounds	ND	mg/l	0.010	1
	05/08/07 00:00	366299	( ML/EPA 9056 )	Sulfate	1280	mg/l	250	500
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	6350	mg/l	10	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	1.8	mg/l	1.5	5
	05/13/07 00:00	369920	( SW9020/SM5320 )	Total Organic Halogen	4400	ug/l	2000	200



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-7B (2705030134)</b>		<b>Sampled on 05/02/07 06:57</b>						
	05/08/07 00:00	366298	( ML/EPA 9056 )	Chloride	2970	mg/l	500	500
	05/09/07 00:02	365907	( EPA 314 )	Perchlorate	55600	ug/l	4000	1000
	05/08/07 00:00	365631	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	11000	umho/cm	2.0	1
05/08/07	05/08/07 00:00	365758	( ML/EPA 6010B )	Iron, Total, ICAP	ND	mg/l	0.040	2
05/08/07	05/08/07 00:00	365760	( ML/EPA 6010B )	Manganese, Total, ICAP	ND	mg/l	0.0040	2
05/08/07	05/10/07 00:00	366075	( ML/EPA 6010B )	Sodium, Total, ICAP	1500	mg/l	10	10
	05/07/07 00:00	365376	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
05/15/07	05/16/07 00:00	366822	( MWH 420/SW9066 )	Phenolic Compounds	ND	mg/l	0.010	1
	05/08/07 00:00	366299	( ML/EPA 9056 )	Sulfate	1390	mg/l	250	500
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	7000	mg/l	10	1
	05/15/07 05:48	367204	( SM5310C/E415.3 )	Total Organic Carbon	1.7	mg/l	1.5	5
	05/12/07 00:00	369294	( SW9020/SM5320 )	Total Organic Halogen	9710	ug/l	1000	200
<b>H-28A (2705030135)</b>		<b>Sampled on 05/02/07 07:49</b>						
	05/08/07 00:00	366298	( ML/EPA 9056 )	Chloride	2980	mg/l	500	500
	05/11/07 00:00	366327	( EPA 314 )	Perchlorate	8170	ug/l	800	200
	05/08/07 00:00	365631	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	11000	umho/cm	2.0	1
05/08/07	05/08/07 00:00	365758	( ML/EPA 6010B )	Iron, Total, ICAP	ND	mg/l	0.040	2
05/08/07	05/08/07 00:00	365760	( ML/EPA 6010B )	Manganese, Total, ICAP	2.1	mg/l	0.0040	2
05/08/07	05/10/07 00:00	366075	( ML/EPA 6010B )	Sodium, Total, ICAP	1300	mg/l	10	10
	05/07/07 00:00	365376	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
05/15/07	05/16/07 00:00	366822	( MWH 420/SW9066 )	Phenolic Compounds	ND	mg/l	0.010	1
	05/08/07 00:00	366299	( ML/EPA 9056 )	Sulfate	1080	mg/l	250	500
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	6250	mg/l	10	1
	05/15/07 05:48	367204	( SM5310C/E415.3 )	Total Organic Carbon	9.1	mg/l	1.5	5
	05/09/07 00:00	366324	( SW9020/SM5320 )	Total Organic Halogen	5730	ug/l	250	50



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<b>M-5A (2705030136)      Sampled on 05/02/07 05:58</b>								
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	16000	umho/cm	2.0	1
	05/07/07 00:00	365363	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3 )	Total Organic Carbon	16	mg/l	1.5	5
	05/13/07 00:00	369920	( SW9020/SM5320 )	Total Organic Halogen	14300	ug/l	1000	100
<b>M-5A (2705030139)      Sampled on 05/02/07 05:58</b>								
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	16000	umho/cm	2.0	1
	05/07/07 00:00	365363	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3 )	Total Organic Carbon	16	mg/l	1.5	5
	05/12/07 00:00	369294	( SW9020/SM5320 )	Total Organic Halogen	14200	ug/l	500	100
<b>M-5A (2705030140)      Sampled on 05/02/07 05:58</b>								
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	16000	umho/cm	2.0	1
	05/07/07 00:00	365363	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3 )	Total Organic Carbon	16	mg/l	1.5	5
	05/13/07 00:00	369920	( SW9020/SM5320 )	Total Organic Halogen	15200	ug/l	1000	100
<b>M-6A (2705030141)      Sampled on 05/02/07 05:58</b>								
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	10000	umho/cm	2.0	1
	05/07/07 00:00	365363	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
	05/19/07 00:00	367956	( SM5310C/E415.3 )	Total Organic Carbon	2.0	mg/l	1.5	5
	05/13/07 00:00	369920	( SW9020/SM5320 )	Total Organic Halogen	3860	ug/l	2000	200
<b>M-6A (2705030142)      Sampled on 05/02/07 05:58</b>								
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	10000	umho/cm	2.0	1
	05/07/07 00:00	365363	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3 )	Total Organic Carbon	1.6	mg/l	1.5	5
	05/13/07 00:00	369920	( SW9020/SM5320 )	Total Organic Halogen	3850	ug/l	2000	200





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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-6A (2705030143)</b>				<b>Sampled on 05/02/07 05:58</b>				
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	10000	umho/cm	2.0	1
	05/07/07 00:00	365363	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	1.8	mg/l	1.5	5
	05/13/07 00:00	369920	( SW9020/SM5320 )	Total Organic Halogen	4330	ug/l	2000	200
<b>M-7B (2705030144)</b>				<b>Sampled on 05/02/07 05:58</b>				
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	11000	umho/cm	2.0	1
	05/07/07 00:00	365363	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	1.8	mg/l	1.5	5
	05/12/07 00:00	369294	( SW9020/SM5320 )	Total Organic Halogen	8610	ug/l	1000	200
<b>M-7B (2705030145)</b>				<b>Sampled on 05/02/07 05:58</b>				
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	11000	umho/cm	2.0	1
	05/07/07 00:00	365376	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	1.8	mg/l	1.5	5
	05/12/07 00:00	369294	( SW9020/SM5320 )	Total Organic Halogen	8860	ug/l	1000	200
<b>M-7B (2705030146)</b>				<b>Sampled on 05/02/07 05:58</b>				
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	11000	umho/cm	2.0	1
	05/07/07 00:00	365376	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	1.7	mg/l	1.5	5
	05/12/07 00:00	369294	( SW9020/SM5320 )	Total Organic Halogen	8410	ug/l	1000	200
<b>H-28A (2705030147)</b>				<b>Sampled on 05/02/07 05:58</b>				
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	11000	umho/cm	2.0	1
	05/07/07 00:00	365376	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	9.0	mg/l	1.5	5
	05/09/07 00:00	366324	( SW9020/SM5320 )	Total Organic Halogen	5960	ug/l	250	50



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>H-28A (2705030148)</b>				<b>Sampled on 05/02/07 05:58</b>				
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	11000	umho/cm	2.0	1
	05/07/07 00:00	365376	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	9.0	mg/l	1.5	5
	05/09/07 00:00	366324	( SW9020/SM5320 )	Total Organic Halogen	5960	ug/l	250	50
<b>H-28A (2705030149)</b>				<b>Sampled on 05/02/07 05:58</b>				
	05/16/07 00:00	367004	( ML/EPA 9050A )	Specific Conductance	11000	umho/cm	2.0	1
	05/07/07 00:00	365376	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
	05/15/07 05:48	367204	( SM5310C/E415.3)	Total Organic Carbon	9.3	mg/l	1.5	5
	05/12/07 00:00	369294	( SW9020/SM5320 )	Total Organic Halogen	6080	ug/l	250	50



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QC Ref #365363 - PH (H3=past HT, not compliant) Analysis Date: 05/07/2007

2705030127	M-5A	Analyzed by: sar
2705030136	M-5A	Analyzed by: sar
2705030139	M-5A	Analyzed by: sar
2705030140	M-5A	Analyzed by: sar
2705030141	M-6A	Analyzed by: sar
2705030142	M-6A	Analyzed by: sar
2705030143	M-6A	Analyzed by: sar
2705030144	M-7B	Analyzed by: sar

QC Ref #365376 - PH (H3=past HT, not compliant) Analysis Date: 05/07/2007

2705030133	M-6A	Analyzed by: sar
2705030134	M-7B	Analyzed by: sar
2705030135	H-28A	Analyzed by: sar
2705030145	M-7B	Analyzed by: sar
2705030146	M-7B	Analyzed by: sar
2705030147	H-28A	Analyzed by: sar
2705030148	H-28A	Analyzed by: sar
2705030149	H-28A	Analyzed by: sar

QC Ref #365631 - Chromium, Total, ICAP Analysis Date: 05/08/2007

2705030127	M-5A	Analyzed by: wbh
2705030133	M-6A	Analyzed by: wbh
2705030134	M-7B	Analyzed by: wbh
2705030135	H-28A	Analyzed by: wbh

QC Ref #365758 - Iron, Total, ICAP Analysis Date: 05/08/2007

2705030127	M-5A	Analyzed by: wbh
2705030133	M-6A	Analyzed by: wbh
2705030134	M-7B	Analyzed by: wbh
2705030135	H-28A	Analyzed by: wbh



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**QC Ref #365760 - Manganese, Total, ICAP**

**Analysis Date: 05/08/2007**

2705030127	M-5A	Analyzed by: wbh
2705030133	M-6A	Analyzed by: wbh
2705030134	M-7B	Analyzed by: wbh
2705030135	H-28A	Analyzed by: wbh

**QC Ref #365907 - Perchlorate**

**Analysis Date: 05/09/2007**

2705030127	M-5A	Analyzed by: raja
2705030133	M-6A	Analyzed by: raja
2705030134	M-7B	Analyzed by: raja

**QC Ref #366075 - Sodium, Total, ICAP**

**Analysis Date: 05/10/2007**

2705030127	M-5A	Analyzed by: wbh
2705030133	M-6A	Analyzed by: wbh
2705030134	M-7B	Analyzed by: wbh
2705030135	H-28A	Analyzed by: wbh

**QC Ref #366172 - Total Dissolved Solid (TDS)**

**Analysis Date: 05/08/2007**

2705030127	M-5A	Analyzed by: maria
2705030133	M-6A	Analyzed by: maria
2705030134	M-7B	Analyzed by: maria
2705030135	H-28A	Analyzed by: maria

**QC Ref #366298 - Chloride**

**Analysis Date: 05/08/2007**

2705030127	M-5A	Analyzed by: jkz
2705030133	M-6A	Analyzed by: jkz
2705030134	M-7B	Analyzed by: jkz
2705030135	H-28A	Analyzed by: jkz



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**QC Ref #366299 - Sulfate**

**Analysis Date: 05/08/2007**

2705030127	M-5A	Analyzed by: jkz
2705030133	M-6A	Analyzed by: jkz
2705030134	M-7B	Analyzed by: jkz
2705030135	H-28A	Analyzed by: jkz

**QC Ref #366324 - Total Organic Halogen**

**Analysis Date: 05/09/2007**

2705030135	H-28A	Analyzed by: lmr
2705030147	H-28A	Analyzed by: lmr
2705030148	H-28A	Analyzed by: lmr

**QC Ref #366327 - Perchlorate**

**Analysis Date: 05/11/2007**

2705030135	H-28A	Analyzed by: raja
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**QC Ref #366822 - Phenolic Compounds**

**Analysis Date: 05/16/2007**

2705030133	M-6A	Analyzed by: nina
2705030134	M-7B	Analyzed by: nina
2705030135	H-28A	Analyzed by: nina

**QC Ref #367004 - Specific Conductance**

**Analysis Date: 05/16/2007**

2705030127	M-5A	Analyzed by: dtn
2705030133	M-6A	Analyzed by: dtn
2705030134	M-7B	Analyzed by: dtn
2705030135	H-28A	Analyzed by: dtn
2705030136	M-5A	Analyzed by: dtn
2705030139	M-5A	Analyzed by: dtn
2705030140	M-5A	Analyzed by: dtn
2705030141	M-6A	Analyzed by: dtn
2705030142	M-6A	Analyzed by: dtn
2705030143	M-6A	Analyzed by: dtn
2705030144	M-7B	Analyzed by: dtn
2705030145	M-7B	Analyzed by: dtn
2705030146	M-7B	Analyzed by: dtn



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2705030147	H-28A	Analyzed by: dtn
2705030148	H-28A	Analyzed by: dtn
2705030149	H-28A	Analyzed by: dtn

QC Ref #367204 - Total Organic Carbon

Analysis Date: 05/15/2007

2705030127	M-5A	Analyzed by: anh
2705030133	M-6A	Analyzed by: anh
2705030134	M-7B	Analyzed by: anh
2705030135	H-28A	Analyzed by: anh
2705030136	M-5A	Analyzed by: anh
2705030139	M-5A	Analyzed by: anh
2705030140	M-5A	Analyzed by: anh
2705030142	M-6A	Analyzed by: anh
2705030143	M-6A	Analyzed by: anh
2705030144	M-7B	Analyzed by: anh
2705030145	M-7B	Analyzed by: anh
2705030146	M-7B	Analyzed by: anh
2705030147	H-28A	Analyzed by: anh
2705030148	H-28A	Analyzed by: anh
2705030149	H-28A	Analyzed by: anh

QC Ref #367956 - Total Organic Carbon

Analysis Date: 05/19/2007

2705030141	M-6A	Analyzed by: anh
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QC Ref #368412 - Phenolic Compounds

Analysis Date: 05/23/2007

2705030127	M-5A	Analyzed by: nina
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QC Ref #369294 - Total Organic Halogen

Analysis Date: 05/12/2007

2705030134	M-7B	Analyzed by: lmr
2705030139	M-5A	Analyzed by: lmr
2705030144	M-7B	Analyzed by: lmr
2705030145	M-7B	Analyzed by: lmr
2705030146	M-7B	Analyzed by: lmr
2705030149	H-28A	Analyzed by: lmr



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QC Ref #369920 - Total Organic Halogen

Analysis Date: 05/13/2007

2705030127	M-5A	Analyzed by: lmr
2705030133	M-6A	Analyzed by: lmr
2705030136	M-5A	Analyzed by: lmr
2705030140	M-5A	Analyzed by: lmr
2705030141	M-6A	Analyzed by: lmr
2705030142	M-6A	Analyzed by: lmr
2705030143	M-6A	Analyzed by: lmr



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## QC Ref #365363 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.4	7.4	UNIT		( 0-20 )	0.0

## QC Ref #365376 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.4	7.4	UNIT		( 0-20 )	0.0

## QC Ref #365631 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020861	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.985	MGL	98.5	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.972	MGL	97.2	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0098	MGL	98.0	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.943	MGL	94.3	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.960	MGL	96.0	( 70-130 )	

## QC Ref #365758 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020861	MGL		( 0-0 )	
LCS1	Iron, Total, ICAP	5.0	5.00	MGL	100.0	( 85-115 )	
LCS2	Iron, Total, ICAP	5.0	4.97	MGL	99.4	( 85-115 )	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0238	MGL	119.0	( 50-150 )	
MS	Iron, Total, ICAP	5.0	4.87	MGL	97.4	( 70-130 )	
MSD	Iron, Total, ICAP	5.0	4.97	MGL	99.4	( 70-130 )	

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**QC Ref #365760                      Manganese, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020861	MGL		( 0-0 )	
LCS1	Manganese, Total, ICAP	0.50	0.506	MGL	101.2	( 85-115 )	
LCS2	Manganese, Total, ICAP	0.50	0.505	MGL	101.0	( 85-115 )	
MBLK	Manganese, Total, ICAP	ND	<0.0020	MGL			
MRL_CHK	Manganese, Total, ICAP	0.002	0.0021	MGL	105.0	( 50-150 )	
MS	Manganese, Total, ICAP	0.50	0.491	MGL	98.2	( 70-130 )	
MSD	Manganese, Total, ICAP	0.50	0.500	MGL	100.0	( 70-130 )	

**QC Ref #365907                      Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05020855	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	( 85-115 )	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	( 85-115 )	
LCS3	Perchlorate	4	3.76	UGL	94.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.7	UGL	94.8	( 80-120 )	
MSD	Perchlorate	25.0	23.8	UGL	95.2	( 80-120 )	
RPD_LCS	Perchlorate	104.000	103.200	UGL	0.8	( 0-15 )	
RPD_MS	Perchlorate	94.800	95.200	UGL	1.0	( 0-15 )	

**QC Ref #366075                      Sodium, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020861	MGL		( 0-0 )	
LCS1	Sodium, Total, ICAP	50	51.3	MGL	102.6	( 85-115 )	
LCS2	Sodium, Total, ICAP	50	50.5	MGL	101.0	( 85-115 )	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	1.05	MGL	105.0	( 50-150 )	

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MS	Sodium, Total, ICAP	50	50.6	MGL	101.2	( 70-130 )
MSD	Sodium, Total, ICAP	50	51.6	MGL	103.2	( 70-130 )
RPD_LCS	Sodium, Total, ICAP	102.600	101.000	MGL	1.6	( 0-20 )
RPD_MS	Sodium, Total, ICAP	101.200	103.200	MGL	2.0	( 0-20 )

**QC Ref #366172                      Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05030127	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	9250	9950	MGL		( 0-10 )	7.3
LCS1	Total Dissolved Solid (TDS)	175	174	MGL	99.4	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	652	MGL	93.1	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	7	MGL	70.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	99.429	93.143	MGL	6.5	( 0-20 )	

**QC Ref #366298                      Chloride**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05070140	MGL		( 0-0 )	
LCS1	Chloride	25	25.7	MGL	102.8	( 90-110 )	
LCS2	Chloride	25	25.0	MGL	100.0	( 90-110 )	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.451	MGL	90.2	( 50-150 )	
MS	Chloride	12.5	13.0	MGL	104.0	( 74-126 )	
MSD	Chloride	12.5	13.0	MGL	104.0	( 74-126 )	
RPD_LCS	Chloride	102.800	100.000	MGL	2.8	( 0-20 )	
RPD_MS	Chloride	104.000	104.000	MGL	0.0	( 0-20 )	

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**QC Ref #366299 Sulfate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05070140	MGL		( 0-0 )	
LCS1	Sulfate	50	51.3	MGL	102.6	( 90-110 )	
LCS2	Sulfate	50	50.1	MGL	100.2	( 90-110 )	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	1.000	0.878	MGL	87.8	( 50-150 )	
MS	Sulfate	25	25.3	MGL	101.2	( 83-115 )	
MSD	Sulfate	25	25.3	MGL	101.2	( 83-115 )	
RPD_LCS	Sulfate	102.600	100.200	MGL	2.4	( 0-20 )	
RPD_MS	Sulfate	101.200	101.200	MGL	0.0	( 0-20 )	

**QC Ref #366324 Total Organic Halogen**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05030033	UGL		( 0-0 )	
LCS1	Total Organic Halogen	10	10.3	UGL	103.0	( 85-115 )	
LCS2	Total Organic Halogen	200	192	UGL	96.0	( 85-115 )	
MBLK	Total Organic Halogen	ND	<10	UGL			

**QC Ref #366327 Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05030206	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.7	UGL	94.8	( 85-115 )	
LCS2	Perchlorate	25.0	24.1	UGL	96.4	( 85-115 )	
LCS3	Perchlorate	4	3.67	UGL	91.8	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.3	UGL	85.2	( 80-120 )	
MSD	Perchlorate	25.0	21.3	UGL	85.2	( 80-120 )	
RPD_LCS	Perchlorate	94.800	96.400	UGL	1.7	( 0-15 )	

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RPD\_MS      Perchlorate      85.200      85.200      UGL      1.0      ( 0-15 )

## QC Ref #366822      Phenolic Compounds

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05030127	MGL		( 0-0 )	
LCS1	Phenolic Compounds	0.08	0.075	MGL	93.8	( 90-110 )	
LCS2	Phenolic Compounds	0.08	0.075	MGL	93.8	( 90-110 )	
MBLK	Phenolic Compounds	ND	<0.010	MGL			
MS	Phenolic Compounds	0.08	0.085	MGL	106.2	( 90-110 )	
MSD	Phenolic Compounds	0.08	0.080	MGL	100.0	( 90-110 )	

## QC Ref #367004      Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	10980	11030	UMHO		( 0-20 )	0.5
MRL_CHK	Specific Conductance	2.000	1.78	UMHO	89.0	( 50-150 )	

## QC Ref #367204      Total Organic Carbon

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020111	MGL		( 0-0 )	
LCS1	Total Organic Carbon	5.0	5.04	MGL	100.8	( 80-120 )	
LCS2	Total Organic Carbon	5.0	5.23	MGL	104.6	( 80-120 )	
MBLK	Total Organic Carbon	ND	<0.30	MGL			
MRL_CHK	Total Organic Carbon	0.200	0.249	MGL	124.5	( 50-150 )	
MS	Total Organic Carbon	4.0	3.95	MGL	98.8	( 70-130 )	
MSD	Total Organic Carbon	4.0	4.04	MGL	101.0	( 70-130 )	
MS_2ND	Total Organic Carbon	2.0	2.07	MGL	103.5	( 70-130 )	
RPD_LCS	Total Organic Carbon	100.800	104.600	MGL	3.7	( 0-20 )	
RPD_MS	Total Organic Carbon	98.750	101.000	MGL	2.3	( 0-20 )	

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**QC Ref #367956                      Total Organic Carbon**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05080198	MGL		( 0-0 )	
LCS1	Total Organic Carbon	5.0	4.99	MGL	99.8	( 80-120 )	
LCS2	Total Organic Carbon	5.0	5.14	MGL	102.8	( 80-120 )	
MBLK	Total Organic Carbon	ND	<0.30	MGL			
MRL_CHK	Total Organic Carbon	0.200	0.247	MGL	123.5	( 50-150 )	
MS	Total Organic Carbon	4.0	4.01	MGL	100.2	( 70-130 )	
MSD	Total Organic Carbon	4.0	4.07	MGL	101.8	( 70-130 )	
MS_2ND	Total Organic Carbon	2.0	1.96	MGL	98.0	( 70-130 )	
RPD_LCS	Total Organic Carbon	99.800	102.800	MGL	3.0	( 0-20 )	
RPD_ME	Total Organic Carbon	100.250	101.750	MGL	1.5	( 0-20 )	

**QC Ref #368412                      Phenolic Compounds**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05030127	MGL		( 0-0 )	
LCS1	Phenolic Compounds	0.08	0.072	MGL	<u>90.0</u>	( 90-110 )	
LCS2	Phenolic Compounds	0.08	0.074	MGL	92.5	( 90-110 )	
MBLK	Phenolic Compounds	ND	<0.010	MGL			
MS	Phenolic Compounds	0.08	0.078	MGL	97.5	( 90-110 )	
MSD	Phenolic Compounds	0.08	0.079	MGL	98.8	( 90-110 )	

**QC Ref #369294                      Total Organic Halogen**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Organic Halogen	5.0	5.28	UGL	105.6	( 85-115 )	
LCS2	Total Organic Halogen	200	192	UGL	96.0	( 85-115 )	
MBLK	Total Organic Halogen	ND	<10	UGL			

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QC Ref #369920

## Total Organic Halogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05030127	UGL		( 0-0 )	
LCS1	Total Organic Halogen	5.0	5.23	UGL	104.6	( 85-115 )	
LCS2	Total Organic Halogen	200	210	UGL	105.0	( 85-115 )	
MBLK	Total Organic Halogen	ND	<10	UGL			
MS	Total Organic Halogen	100	101	UGL	101.0	( 90-110 )	
MSD	Total Organic Halogen	100	98.5	UGL	98.5	( 90-110 )	

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