



MWH

LABORATORIES

A Division of MWH Americas, Inc.

750 Royal Oak Dr., 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

Environ International Corp.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016
Attention: John M. Pekala, P.G.
Fax: 602.734.7701



RSR: Rita S. Sprinkle
Project Manager



01114CA

Report: 397254
Project: CWA-RCRA
Group: Quarterly CR6010
Testing

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 Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

**MWH****LABORATORIES****STATE CERTIFICATION LIST**

State	Certification Number	State	Certification Number
Alabama	41060	Mississippi	Certified
Alaska	CA00006	Montana	Cert 0035
Arizona	AZ0455	Nevada	CA00006-2010-1
Arkansas	Certified	New Hampshire	2959-11
California – NELAP	01114CA	New Jersey	CA 008
California – ELAP	1422	New Mexico	Certified
Colorado	Certified	New York	11320
Connecticut	PH-0107	North Carolina	06701
Delaware	CA 006	North Dakota	R-009
Florida	E871024	Oregon	CA 200003-009
Georgia	947	Pennsylvania	68-565
Guam	11-004r	Rhode Island	01114CA
Hawaii	Certified	South Carolina	87016001
Idaho	Certified	South Dakota	Certified
Illinois	200033	Tennessee	TN02839
Indiana	C-CA-01	Texas	T104704230-11-2
Kansas	E-10268	Utah	Mont-1
Kentucky	90107	Vermont	VT0114
Louisiana	LA110022	Virginia	00210
Maine	CA0006	Washington	C383
Maryland	224	West Virginia	9943 C
Commonwealth of Northern Marianas Is.	MP0004	Wisconsin	998316660
Massachusetts	M-CA006	Wyoming	8TMS-L
Michigan	9906	EPA Region 5	Certified



Acknowledgement of Samples Received

Addr: **Environ International Corp.**
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016
Attn: John M. Pekala, P.G.
Phone: 602.734.7710

Client ID: ENVIRON-NVTRUST
Folder #: 397254
Project: CWA-RCRA
Sample Group: Quarterly CR6010 Testing
Project Manager: Rita S. Sprinkle
Phone: 916-418-8358

The following samples were received from you on **May 18, 2012**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample #	Sample ID	Sample Date
<u>201205190115</u>	PC-150	05/17/2012 0532
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205190116</u>	PC-148	05/17/2012 0610
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205190117</u>	PC-149	05/17/2012 0655
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205190118</u>	PC-137	05/17/2012 0749
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205190119</u>	PC-136	05/17/2012 0802
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205190120</u>	PC-2	05/17/2012 0850
	Chlorate by EPA 9056	Chromium Total ICAP RCRA Nitrate as NO3 (calc)
	Nitrate by EPA 9056	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205190121</u>	PC-4	05/17/2012 0915
	Chlorate by EPA 9056	Chromium Total ICAP RCRA Nitrate as NO3 (calc)
	Nitrate by EPA 9056	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205190122</u>	HM-2	05/17/2012 0953
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)
<u>201205190123</u>	PC-134A	05/17/2012 1038
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205190124</u>	PC-135A	05/17/2012 1053
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	



Acknowledgement of Samples Received

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Client ID: ENVIRON-NVTRUST
Folder #: 397254
Project: CWA-RCRA
Sample Group: Quarterly CR6010 Testing
Project Manager: Rita S. Sprinkle
Phone: 916-418-8358

The following samples were received from you on **May 18, 2012**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample #	Sample ID	Sample Date
<u>201205190125</u>	HMW-16	05/17/2012 1128
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)
<u>201205190126</u>	M-96	05/17/2012 1216
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	

Test Description



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

297254

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

INVLABS USE ONLY:
LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: mmf

SAMPLE TEMP, RECEIPT AT LAB: 2.40C

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME Nevada Environmental Response Trust Sampler Michele Brown		PROJECT JOB # / P.O.# Quarterly Groundwater Sampling Schedule B CWA-RCRA	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES <input type="checkbox"/> (check for yes)												
LOCATION Nevada Environmental Response Trust 35 East Wacker Suite 1550 Chicago, IL 60606		IDENTIFIER, STATE ID#	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)												
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	PH	TDS	CR	CL04	Sterile CL04	CRVI	CL03	NO3	SAMPLER Comments
532A	5-17-12	PC-150	PC-150	RGW	X		X	X	X	X	X				Bottles
610A	5-17-12	PC-148	PC-148	RGW	X		X	X	X	X	X				Bottles
655A	5-17-12	PC-149	PC-149	RGW	X		X	X	X	X	X				Bottles
749A	5-17-12	PC-137	PC-137	RGW	X		X	X	X	X	X				Bottles
823A	5-17-12	PC-136	PC-136	RGW	X		X	X	X	X	X				Bottles
850	5-17-12	PC-2	PC-2	RGW	X		X	X	X	X	X				Bottles
915A	5-17-12	PC-4	PC-4	RGW	X		X	X	X	X	X				Bottles
952A	5-17-12	11K-2	11K-2	RGW	X		X	X	X	X	X				Bottles
1038A	5-17-12	PC-134A	PC-134A	RGW	X		X	X	X	X	X				Bottles
1057A	5-17-12	PC-135A	PC-135A	RGW	X		X	X	X	X	X				Bottles
1128A	5-17-12	HM100-110	HM100-110	RGW	X		X	X	X	X	X				Bottles
12108	5-17-12	M-910	M-910	RGW	X		X	X	X	X	X				Bottles

* MATRIX TYPES:

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
RECEIVED BY: Watts

PRINT NAME

Michele Brown

COMPANY/TITLE

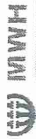
Vecilia Water for Nevada Environmental Response Trust

DATE

5-17-12 12:00PM

TIME

5-18-12 1:30



LABORATORIES

A Division of MWH Americas, Inc
750 Royal Oaks Drive Suite 100
Monrovia, CA 91016 (626) 386-1100 FAX (626) 386-1124

ENVIRONMENTAL INTERNATIONAL CORP.

Rita Reeves is Your MWH Labs Project Manager

**Sampler: please return
this paper with your samples**

Kit #: 44428

Created AutoGenerated

Order Date: 02/06/2012

STG: Bottle Orders

Client Code: ENVIRON-NVTRUST

Project Code: CWA-RCRA Bottle Orders

Group Name: Every 3 months - FirstMonday

PO#/JOB#:

Ship By:
01/22/2012

Ship Sample Kits to
Veolia Water-Tronox LLC
510 Fourth Street
Henderson, NV 89015

Attn: Wendy Prescott
Phone: 702-371-9307
Fax:

Send Report to
Environ International Corp.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016

Attn: John M. Pekala, P.G.
Phone: 602.734.7710
Fax: 602.734.7701

Billing Address
Environ International Corp.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016

Attn: John M. Pekala, P.G.
Phone: 602.734.7710
Fax: 602.734.7701

of

Samples Tests

	Bottles - Qty for each sample, type & preservative if any	UN DOT #
101 Chromium Total ICAP RCRA	1 250ml acid rinsed 1ml HNO3 (18%)	UN2031
15 CRVI 7196	1 125ml poly acid rinsed no preservative	
101 Perchlorate Sterile Filtered	1 125 ml poly + syringe, filter 125ml STERILE bottle	
101 PH by EPA 9040	1 125ml poly no preservative	
101 Total Dissolved Solid (TDS)	1 500ml poly TDS - no preservative	

Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS. NOTIFY LAB AS SOON AS CR-VI COMES IN. - 24HR

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By
------	--------	--------------	-----	------------	--------------	-------------



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750 Royal Oaks Drive Suite 100
Monrovia, CA 91016 (626) 386-1100 FAX (626) 386-1124

Kit Order for Environ International Corp.

Rita Reeves is Your MWH Labs Project Manager

Sampler: please return this paper with your samples

Kit #: 49344

Created By: LXG

Order Date: 04/27/2012

STG: Bottle Orders

Client ID: ENVIRON-NVTRUST

Project Code: CWA-RCRA Bottle Orders

Group Name: Quarterly NO3, CLO3

PO#/JOB#:

Ship By:
04/12/2012

Ship Sample Kits to
Veolia Water
510 S. Fourth Street
Henderson, NV 89015

Attn: Michele Brown
Phone: 702-467-6299
Fax:

Send Report to
Environ International Corp.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016

Attn: John M. Pekala, P.G.
Phone: 602.734.7710
Fax: 602.734.7701

Billing Address
Environ International Corp.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016

Attn: John M. Pekala, P.G.
Phone: 602.734.7710
Fax: 602.734.7701

of

Samples Tests

22 Chlorate by EPA 9056

22 Nitrate by EPA 9056

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

1 60mL poly 0.60mL 3% EDA sol'n

1 125ml poly no preservative

UN DOT #

Comments

Code

Status

Date Shipped

Via

Tracking #

of Coolers

Prepared By

Ship Date: 17MAY12
 ActWgt: 50.0 LB
 CAD: 5135271/NET3250

Delivery Address Bar Code

Ref #
 Invoice #
 PO #
 Dept #

GWTP Quarterly

FRI - 18 MAY A1
 PRIORITY OVERNIGHT

2 of 3

MPS# 7935 7951 2446

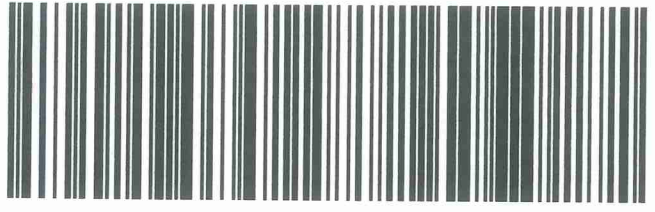
Mstr# 7935 7951 2284

0263

0201

QZ WHPA

91016
 CA-US
 BUR



512G361A4A278



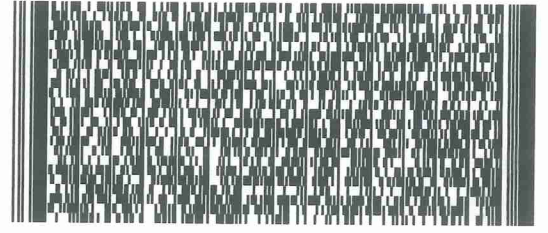
Origin ID: LASA

From: (702) 566-6001
 Russell Speckin
 Veolia Water NA West LLC
 510 Fourth St
 Henderson, NV 89015

412101112190225

BILL SENDER

SHIP TO: (626) 568-6400
 Linda Geddes
 Montgomery Watson Labs
 750 Royal Oaks Drive suite 100
 Monrovia, CA 91016



After printing this label:

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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.

June 14, 2012

John M. Pekala, P.G.
Environ International Corp.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on May 18, 2012 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Other Observations:

There were no unusual observations on this sample set.

Sincerely,



Rita S. Sprinkle
Project Manager



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Phoenix, AZ 85016

Laboratory Comments
Report: #397254



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Laboratory Data
Report: 397254

Environ International Corp.

John M. Pekala, P.G.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016

Samples Received on:
05/18/2012

Table with columns: Prepared, Analyzed, QC Ref #, Method, Analyte, Result, Units, MDL, MRL, SQL, Dilution. Contains multiple sections for different sample IDs (PC-150, PC-148, PC-149, PC-137) and various analytes like EPA 6010, EPA 314.0, and EPA 9040.

Sample Quantitation Limit (SQL) = MDL * Dilution Factor.
Rounding on totals after summation.
(c) - Indicates calculated results.
J - The analyte was either detected at or greater than the SQL and less than the MRL, or did not meet any one of the required QC criteria.



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Laboratory Data
Report: 397254

Environ International Corp.

John M. Pekala, P.G.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016

Samples Received on:
05/18/2012

Table with columns: Prepared, Analyzed, QC Ref #, Method, Analyte, Result, Units, MDL, MRL, SQL, Dilution. Contains multiple rows of data for various analytes like Chromium Total ICAP, Perchlorate, Total Dissolved Solids (TDS), and PH, with sub-sections like EPA 314.0, EPA 9040, and PC-136.

Sample Quantitation Limit (SQL) = MDL * Dilution Factor.

Rounding on totals after summation.

(c) - Indicates calculated results.

J - The analyte was either detected at or greater than the SQL and less than the MRL, or did not meet any one of the required QC criteria.



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Laboratory Data
Report: 397254

Environ International Corp.

John M. Pekala, P.G.
1702 E. Highland Ave.
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Phoenix, AZ 85016

Samples Received on:
05/18/2012

Table with columns: Prepared, Analyzed, QC Ref #, Method, Analyte, Result, Units, MDL, MRL, SQL, Dilution. Contains multiple sections for EPA 6010, EPA 9056, EPA 314.0, and EPA 9040 tests, including sample dates and results.

Sample Quantitation Limit (SQL) = MDL * Dilution Factor.

Rounding on totals after summation.

(c) - Indicates calculated results.

J - The analyte was either detected at or greater than the SQL and less than the MRL, or did not meet any one of the required QC criteria.



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Laboratory Data
Report: 397254

Environ International Corp.

John M. Pekala, P.G.
1702 E. Highland Ave.
Suite 412
Phoenix, AZ 85016

Samples Received on:
05/18/2012

Table with columns: Prepared, Analyzed, QC Ref #, Method, Analyte, Result, Units, MDL, MRL, SQL, Dilution. Contains multiple rows for different analytes and methods, including EPA 6010, EPA 314.0, and EPA 9040.

HMW-16 (201205190125)

Sampled on 05/17/2012 1128

M-96 (201205190126)

Sampled on 05/17/2012 1216

Sample Quantitation Limit (SQL) = MDL * Dilution Factor.
Rounding on totals after summation.
(c) - Indicates calculated results.
J - The analyte was either detected at or greater than the SQL and less than the MRL, or did not meet any one of the required QC criteria.



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**Laboratory
QC Summary: 397254**

Environ International Corp.

QC Ref # 653889 - Disinfection ByProducts by 300.0

201205190120 PC-2
201205190121 PC-4

Analysis Date: 05/30/2012

Analyzed by: LUPE
Analyzed by: LUPE

QC Ref # 654587 - Nitrate, Nitrite by EPA 300.0

201205190120 PC-2
201205190121 PC-4

Analysis Date: 05/18/2012

Analyzed by: CYP
Analyzed by: CYP

QC Ref # 654859 - ICP Metals

201205190118 PC-137
201205190119 PC-136
201205190120 PC-2
201205190121 PC-4
201205190123 PC-134A
201205190124 PC-135A
201205190126 M-96

Analysis Date: 06/08/2012

Analyzed by: NINA
Analyzed by: NINA
Analyzed by: NINA
Analyzed by: NINA
Analyzed by: NINA
Analyzed by: NINA
Analyzed by: NINA

QC Ref # 655047 - Total Dissolved Solids (TDS)

201205190115 PC-150
201205190116 PC-148
201205190117 PC-149
201205190118 PC-137
201205190119 PC-136
201205190120 PC-2
201205190121 PC-4
201205190122 HM-2
201205190123 PC-134A
201205190124 PC-135A
201205190125 HMW-16
201205190126 M-96

Analysis Date: 05/24/2012

Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF

QC Ref # 655748 - Perchlorate

201205190115 PC-150
201205190118 PC-137

Analysis Date: 05/30/2012

Analyzed by: LUPE
Analyzed by: LUPE

QC Ref # 655802 - Perchlorate

201205190116 PC-148
201205190117 PC-149
201205190119 PC-136
201205190120 PC-2
201205190121 PC-4
201205190122 HM-2

Analysis Date: 05/30/2012

Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE

QC Ref # 655869 - PH (H3=past HT not compliant)

201205190115 PC-150
201205190116 PC-148
201205190117 PC-149
201205190118 PC-137

Analysis Date: 06/10/2012

Analyzed by: SFL
Analyzed by: SFL
Analyzed by: SFL
Analyzed by: SFL



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Laboratory
QC Summary: 397254

Environ International Corp.

(continued)

201205190119	PC-136	Analyzed by: SFL
201205190120	PC-2	Analyzed by: SFL
201205190121	PC-4	Analyzed by: SFL
201205190122	HM-2	Analyzed by: SFL
201205190123	PC-134A	Analyzed by: SFL
201205190124	PC-135A	Analyzed by: SFL
201205190125	HMW-16	Analyzed by: SFL
201205190126	M-96	Analyzed by: SFL

QC Ref # 656005 - Perchlorate

201205190123	PC-134A
201205190124	PC-135A
201205190125	HMW-16
201205190126	M-96

Analysis Date: 05/31/2012

Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE

QC Ref # 657391 - ICP Metals

201205190115	PC-150
201205190116	PC-148
201205190117	PC-149

Analysis Date: 06/08/2012

Analyzed by: NINA
Analyzed by: NINA
Analyzed by: NINA



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Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 653889 - Disinfection ByProducts by 300.0 by EPA 9056						Analysis Date: 05/29/2012			
LCS1	Chlorate by IC		200	211	ug/L	105	(90-110)		
LCS2	Chlorate by IC		200	211	ug/L	106	(90-110)	20	0.0
MBLK	Chlorate by IC			<10	ug/L				
MRL_CHK	Chlorate by IC		10	8.71	ug/L	87	(75-125)		
MS_201205170205	Chlorate by IC	6400000	100	0	ug/L	110	(80-120)		
MSD_201205170205	Chlorate by IC	6400000	100	0	ug/L	105	(80-120)	15	2.5
QC Ref# 654587 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0						Analysis Date: 05/18/2012			
LCS1	Nitrate as Nitrogen by IC		2.5	2.61	mg/L	104	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.62	mg/L	105	(90-110)	20	0.38
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_W	Nitrate as Nitrogen by IC		0.013	0.0137	mg/L	110	(50-150)		
MS_201205210050	Nitrate as Nitrogen by IC	1.8	1.3	4.43	mg/L	104	(80-120)		
MSD_201205210050	Nitrate as Nitrogen by IC	1.8	1.3	4.43	mg/L	104	(80-120)	20	0.0
QC Ref# 654859 - ICP Metals by EPA 6010						Analysis Date: 06/08/2012			
LCS1	Chromium Total ICAP		1.0	1.04	mg/L	104	(85-115)		
LCS2	Chromium Total ICAP		1.0	1.04	mg/L	104	(85-115)	20	0.0
MBLK	Chromium Total ICAP			<0.01	mg/L				
MRL_CHK	Chromium Total ICAP		0.01	0.0120	mg/L	120	(50-150)		
MS_201205190118	Chromium Total ICAP	ND	1.0	0.995	mg/L	99	(70-130)		
MS2_201205240130	Chromium Total ICAP	ND	1.0	1.01	mg/L	101	(70-130)		
MSD_201205190118	Chromium Total ICAP	ND	1.0	0.982	mg/L	98	(70-130)	20	1.3
MSD2_201205240130	Chromium Total ICAP	ND	1.0	0.991	mg/L	99	(70-130)	20	1.9
QC Ref# 655047 - Total Dissolved Solids (TDS) by E160.1/SM2540C						Analysis Date: 05/24/2012			
DUP_201205220580	Total Dissolved Solid (TDS)	380		372	mg/L		(0-20)	20	1.1
DUP_201205190118	Total Dissolved Solid (TDS)	2800		2830	mg/L		(0-20)	20	0.49
LCS1	Total Dissolved Solid (TDS)		175	176	mg/L	101	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	690	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	9.00	mg/L	90	(50-150)		
QC Ref# 655748 - Perchlorate by EPA 314.0						Analysis Date: 05/30/2012			
LCS1	Perchlorate		25	26.8	ug/L	107	(85-115)		
LCS2	Perchlorate		25	26.8	ug/L	107	(85-115)	15	0.0
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.3	ug/L	83	(75-125)		
MS_201205170210	Perchlorate	72000	25	97100	ug/L	99	(80-120)		

Spike recovery is already corrected for native results.

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.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.



MWH

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Laboratory QC
Report: 397254

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201205170210	Perchlorate	72000	25	98900	ug/L	106	(80-120)	15	1.8
QC Ref# 655802 - Perchlorate by EPA 314.0						Analysis Date: 05/30/2012			
LCS1	Perchlorate		25	26.3	ug/L	105	(85-115)		
LCS2	Perchlorate		25	24.1	ug/L	97	(85-115)	15	8.7
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	4.83	ug/L	121	(75-125)		
MS_201205220032	Perchlorate	ND	25	28.2	ug/L	113	(80-120)		
MSD_201205220032	Perchlorate	ND	25	27.3	ug/L	109	(80-120)	15	3.2
QC Ref# 655869 - PH (H3=past HT not compliant) by EPA 9040						Analysis Date: 06/10/2012			
DUP_201205190115	PH (H3=past HT not compliant)	7.5		7.53	Units		(0-20)	20	0.40
DUP_201205190125	PH (H3=past HT not compliant)	7.5		7.5	Units		(0-20)	20	0.27
LCS1	PH (H3=past HT not compliant)		6.0	6.01	Units	100	(98-102)		
LCS2	PH (H3=past HT not compliant)		6.0	6.01	Units	100	(98-102)	20	0.0
QC Ref# 656005 - Perchlorate by EPA 314.0						Analysis Date: 05/31/2012			
LCS1	Perchlorate		25	27.9	ug/L	111	(85-115)		
LCS2	Perchlorate		25	27.4	ug/L	110	(85-115)	15	1.8
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.65	ug/L	91	(75-125)		
MS_201205190123	Perchlorate	32000	25	57300	ug/L	102	(80-120)		
MSD_201205190123	Perchlorate	32000	25	54700	ug/L	91	(80-120)	15	4.6
QC Ref# 657391 - ICP Metals by EPA 6010						Analysis Date: 06/08/2012			
LCS1	Chromium Total ICAP		1.0	1.07	mg/L	107	(85-115)		
LCS2	Chromium Total ICAP		1.0	1.1	mg/L	110	(85-115)	20	2.8
MBLK	Chromium Total ICAP			<0.01	mg/L				
MRL_CHK	Chromium Total ICAP		0.01	0.0121	mg/L	121	(50-150)		
MS_201205180186	Chromium Total ICAP	0.095	1.0	1.09	mg/L	100	(70-130)		
MS2_201205180187	Chromium Total ICAP	0.10	1.0	1.11	mg/L	100	(70-130)		
MSD_201205180186	Chromium Total ICAP	0.095	1.0	1.08	mg/L	99	(70-130)	20	0.92
MSD2_201205180187	Chromium Total ICAP	0.10	1.0	1.1	mg/L	99	(70-130)	20	0.91

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

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