



**MWH**

**LABORATORIES**

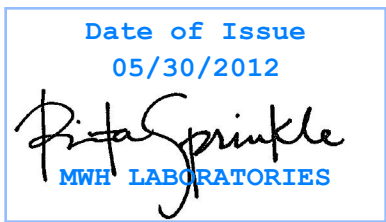
*A Division of MWH Americas, Inc.*

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: 396399  
Project: CWA-RCRA  
Group: Monthly ART and PC  
Wells

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**

<b>State</b>	<b>Certification Number</b>	<b>State</b>	<b>Certification Number</b>
<b>Alabama</b>	41060	<b>Mississippi</b>	Certified
<b>Alaska</b>	CA00006	<b>Montana</b>	Cert 0035
<b>Arizona</b>	AZ0455	<b>Nevada</b>	CA00006-2010-1
<b>Arkansas</b>	Certified	<b>New Hampshire</b>	2959-11
<b>California – NELAP</b>	01114CA	<b>New Jersey</b>	CA 008
<b>California – ELAP</b>	1422	<b>New Mexico</b>	Certified
<b>Colorado</b>	Certified	<b>New York</b>	11320
<b>Connecticut</b>	PH-0107	<b>North Carolina</b>	06701
<b>Delaware</b>	CA 006	<b>North Dakota</b>	R-009
<b>Florida</b>	E871024	<b>Oregon</b>	CA 200003-009
<b>Georgia</b>	947	<b>Pennsylvania</b>	68-565
<b>Guam</b>	11-004r	<b>Rhode Island</b>	01114CA
<b>Hawaii</b>	Certified	<b>South Carolina</b>	87016001
<b>Idaho</b>	Certified	<b>South Dakota</b>	Certified
<b>Illinois</b>	200033	<b>Tennessee</b>	TN02839
<b>Indiana</b>	C-CA-01	<b>Texas</b>	T104704230-11-2
<b>Kansas</b>	E-10268	<b>Utah</b>	Mont-1
<b>Kentucky</b>	90107	<b>Vermont</b>	VT0114
<b>Louisiana</b>	LA110022	<b>Virginia</b>	00210
<b>Maine</b>	CA0006	<b>Washington</b>	C383
<b>Maryland</b>	224	<b>West Virginia</b>	9943 C
<b>Commonwealth of Northern Marianas Is.</b>	MP0004	<b>Wisconsin</b>	998316660
<b>Massachusetts</b>	M-CA006	<b>Wyoming</b>	8TMS-L
<b>Michigan</b>	9906	<b>EPA Region 5</b>	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 #: 396399  
Project: CWA-RCRA  
Sample Group: Monthly ART and PC Wells  
Project Manager: Rita S. Sprinkle  
Phone: 916-418-8358

The following samples were received from you on **May 10, 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>201205100598</u>	AA-01	05/09/2012 0605
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)
<u>201205100599</u>	H-58A	05/09/2012 0720
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205100600</u>	H-48	05/09/2012 0740
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205100601</u>	I-O	05/09/2012 0822
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205100602</u>	I-P	05/09/2012 0835
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205100603</u>	PC-107	05/09/2012 0920
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)
<u>201205100604</u>	PC-28	05/09/2012 0945
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205100605</u>	PC-64	05/09/2012 1015
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205100606</u>	PC-65	05/09/2012 1032
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205100607</u>	PC-66	05/09/2012 1050
	Chromium Total ICAP RCRA	Perchlorate PH (H3=past HT not compliant)
	Total Dissolved Solid (TDS)	
<u>201205100608</u>	PC-67	05/09/2012 1110



**Acknowledgement of Samples Received**

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Client ID: ENVIRON-NVTRUST  
Folder #: 396399  
Project: CWA-RCRA  
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Phone: 916-418-8358

The following samples were received from you on **May 10, 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
	Chromium Total ICAP RCRA Total Dissolved Solid (TDS)	Perchlorate PH (H3=past HT not compliant)
<u>201205100609</u>	FB-1	05/09/2012 1045
	Chromium Total ICAP RCRA PH (H3=past HT not compliant)	CRVI7196 Total Dissolved Solid (TDS) Perchlorate
<u>201205100610</u>	EB-1	05/09/2012 1115
	Chromium Total ICAP RCRA PH (H3=past HT not compliant)	CRVI7196 Total Dissolved Solid (TDS) Perchlorate
<u>201205100611</u>	MC-7	05/09/2012 1233
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)
<u>201205100612</u>	MC-6	05/09/2012 1255
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)
<u>201205100613</u>	MC-45	05/09/2012 1315
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)
<u>201205100614</u>	MC-29	05/09/2012 1343
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)
<u>201205100615</u>	MC-3	05/09/2012 1406
	Perchlorate	PH (H3=past HT not compliant) Total Dissolved Solid (TDS)

**Test Description**



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

MVLABS USE ONLY:  
LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: wjg

SAMPLE TEMP, RECEIPT AT LAB: 2-0

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: Nevada Environmental Response Trust  
 PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling  
 Schedule B CWA-RCRA  
 Sampler: Michele Brown  
 Location: Nevada Environmental Response Trust  
 35 East Wacker Suite 1550  
 Chicago, IL 60606

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	PH	TDS	CR	ClO4	Sterile ClO4	CRVI	CLO3	NO3	SAMPLER Comments
605A	5-9-12		AA-01	RGW	X		X	X	X	X	X				4 Bottles
720A	5-9-12		H-58A	RGW	X		X	X	X	X	X				5 Bottles
740A	5-9-12		H-48	RGW	X		X	X	X	X	X				5 Bottles
820A	5-9-12		I-0	RGW	X		X	X	X	X	X				5 Bottles
850A	5-9-12		I-P	RGW	X		X	X	X	X	X				5 Bottles
970A	5-9-12		PC-107	RGW	X		X	X	X	X	X				4 Bottles
945A	5-9-12		PC-28	RGW	X		X	X	X	X	X				5 Bottles
	5-9-12		PC-31	RGW	X		X	X	X	X	X				5 Bottles
1015A	5-9-12		PC-64	RGW	X		X	X	X	X	X				5 Bottles
1032A	5-9-12		PC-65	RGW	X		X	X	X	X	X				6 Bottles
1050A	5-9-12		PC-64	RGW	X		X	X	X	X	X				5 Bottles
1110A	5-9-12		PC-67	RGW	X		X	X	X	X	X				5 Bottles

\* MATRIX TYPES: Reported by Volume: CFW = Chlor(am)inated Finished Water, FW = Other Finished Water  
 Reported by Weight: SO = Soil, SL = Sludge  
 RGW = Raw Ground Water, RSW = Raw Surface Water  
 CW = Chlorinated Waste Water, WW = Other Waste Water, SW = Storm Water

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

PRINT NAME: Michele Brown  
 COMPANY/TITLE: Veolia Water for Nevada Environmental Response Trust  
 DATE: 5-9-12  
 TIME: 12:00PM



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

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES										(check for yes)	
Nevada Environmental Response Trust Sampler Michele Brown		Quarterly Groundwater Sampling Schedule B CWA-RCRA	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)											
Nevada Environmental Response Trust 35 East Wacker Suite 1550 Chicago, IL 60606			PH	TDS	CR	CLO4	Sterile CLO4	CRVI	CLO3	NO3				SAMPLER Comments
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP								
1066A	5-9-12		FB-1	RGW	X		X	X	X	X	X	X	X	Bottles
1115A	5-9-12		EB-1	RGW	X		X	X	X	X	X	X	X	Bottles
2330p	5-9-12		MC-7	RGW	X		X	X	X	X	X	X	X	Bottles
1755p	5-9-12		MC-10 (ND)	RGW	X		X	X	X	X	X	X	X	Bottles
115p	5-9-12		MC-45	RGW	X		X	X	X	X	X	X	X	Bottles
143p	5-9-12		MC-29	RGW	X		X	X	X	X	X	X	X	Bottles
204p	5-9-12		MC-3	RGW	X		X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	Bottles

Reported by Volume:  
CFW = Chloraminated Finished Water  
FW = Other Finished Water

Reported by Weight:  
SO = Soil  
SL = Sludge

Reported by Volume:  
RGW = Raw Ground Water  
RSW = Raw Surface Water

Reported by Volume:  
CFW = Chloraminated Finished Water  
FW = Other Finished Water

RELINQUISHED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	<i>Michele Brown</i>	Michele Brown	Veolia Water for Nevada Environmental Response Trust	5-9-12	12:00PM
RELINQUISHED BY:					
RECEIVED BY:					



LABORATORIES

A Division of MWH Americas, Inc  
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

7/20

Code

Status

Date Shipped

Via

Tracking #

# of Coolers

Prepared By



LABORATORIES

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

Kit #: 44428

Created AutoGenerated

Order Date: 02/06/2012

STG: Bottle Orders

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:

Rita Reeves is Your MWH Labs Project Manager

Sampler: please return  
this paper with your samples

Client Code: ENVIRON-NVTRUST  
Project Code: CWA-RCRA Bottle Orders  
Group Name: Every 3 months - FirstMonday  
PO#/JOB#:

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



May 30, 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 10, 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:

The samples results for CrVI by EPA 7196 are flagged H3. The samples were received and analyzed past holding time.

Other Observations:

There were no other observations on this sample set.

Sincerely,



Rita S. Sprinkle  
Project Manager



**MWH**

**LABORATORIES**

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1 800 566 LABS (1 800 566 5227)

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

**Laboratory Comments**  
**Report: #396399**

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**Group Comments**

The samples results for CrVI by EPA 7196 are flagged H3. The samples were received and analyzed past holding time.

**Flags Legend:**

H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.



# MWH

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1 800 566 LABS (1 800 566 5227)

Laboratory Data  
Report: 396399

### Environ International Corp.

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

Samples Received on:  
05/10/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<b>AA-01 (201205100598)</b>							<b>Sampled on 05/09/2012 0605</b>				
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	00:58	654038	(EPA 314.0)	Perchlorate	2500	ug/L	0.25	400	25	100
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:50	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4200	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	12:54	654192	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1
<b>H-58A (201205100599)</b>							<b>Sampled on 05/09/2012 0720</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	22:18	654461	(EPA 6010)	Chromium Total ICAP	0.0029J	mg/L	0.00044	0.01	0.00044	1
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/25/2012	00:26	655129	(EPA 314.0)	Perchlorate	180	ug/L	0.25	20	1.2	5
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:52	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	12000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:01	654192	(EPA 9040)	PH (H3=past HT not compliant)	7.4	Units	0.10	0.1	0.10	1
<b>H-48 (201205100600)</b>							<b>Sampled on 05/09/2012 0740</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	21:38	654461	(EPA 6010)	Chromium Total ICAP	0.036J	mg/L	0.00044	0.2	0.0088	20
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/22/2012	17:12	654680	(EPA 314.0)	Perchlorate	10000	ug/L	0.25	800	50	200
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:53	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	14000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:05	654192	(EPA 9040)	PH (H3=past HT not compliant)	3.2	Units	0.10	0.1	0.10	1
<b>I-O (201205100601)</b>							<b>Sampled on 05/09/2012 0822</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	21:51	654461	(EPA 6010)	Chromium Total ICAP	22	mg/L	0.00044	0.2	0.0088	20
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											

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: 396399

### Environ International Corp.

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

Samples Received on:  
05/10/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
	05/18/2012	02:50	654038	(EPA 314.0)	Perchlorate	1600000	ug/L	0.25	200000	12000	50000
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:54	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	12000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:09	654192	(EPA 9040)	PH (H3=past HT not compliant)	6.9	Units	0.10	0.1	0.10	1
<b><u>I-P (201205100602)</u></b>						<b>Sampled on 05/09/2012 0835</b>					
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	21:55	654461	(EPA 6010)	Chromium Total ICAP	13	mg/L	0.00044	0.2	0.0088	20
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	03:12	654038	(EPA 314.0)	Perchlorate	1600000	ug/L	0.25	200000	12000	50000
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:55	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	12000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:13	654192	(EPA 9040)	PH (H3=past HT not compliant)	6.8	Units	0.10	0.1	0.10	1
<b><u>PC-107 (201205100603)</u></b>						<b>Sampled on 05/09/2012 0920</b>					
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	03:35	654038	(EPA 314.0)	Perchlorate	63000	ug/L	0.25	4000	250	1000
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	23:01	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4400	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:17	654192	(EPA 9040)	PH (H3=past HT not compliant)	7.4	Units	0.10	0.1	0.10	1
<b><u>PC-28 (201205100604)</u></b>						<b>Sampled on 05/09/2012 0945</b>					
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	21:58	654461	(EPA 6010)	Chromium Total ICAP	1.1	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	03:57	654038	(EPA 314.0)	Perchlorate	420000	ug/L	0.25	40000	2500	10000
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:56	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6600	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:21	654192	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1

12/20

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

Rounding on totals after summation.

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Laboratory Data  
Report: 396399

### Environ International Corp.

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

Samples Received on:  
05/10/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<b><u>PC-64 (201205100605)</u></b>							<b>Sampled on 05/09/2012 1015</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	22:01	654461	(EPA 6010)	Chromium Total ICAP	1.3	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	04:20	654038	(EPA 314.0)	Perchlorate	400000	ug/L	0.25	40000	2500	10000
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:57	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	7100	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:25	654192	(EPA 9040)	PH (H3=past HT not compliant)	7.7	Units	0.10	0.1	0.10	1
<b><u>PC-65 (201205100606)</u></b>							<b>Sampled on 05/09/2012 1032</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	22:04	654461	(EPA 6010)	Chromium Total ICAP	0.76	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	04:42	654038	(EPA 314.0)	Perchlorate	210000	ug/L	0.25	40000	2500	10000
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:58	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5900	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:29	654192	(EPA 9040)	PH (H3=past HT not compliant)	7.7	Units	0.10	0.1	0.10	1
<b><u>PC-66 (201205100607)</u></b>							<b>Sampled on 05/09/2012 1050</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	22:07	654461	(EPA 6010)	Chromium Total ICAP	1.6	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	05:05	654038	(EPA 314.0)	Perchlorate	230000	ug/L	0.25	40000	2500	10000
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	22:59	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6900	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:33	654192	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1
<b><u>PC-67 (201205100608)</u></b>							<b>Sampled on 05/09/2012 1110</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	22:11	654461	(EPA 6010)	Chromium Total ICAP	13/20	mg/L	0.00044	0.02	0.00088	2

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

Rounding on totals after summation.

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Laboratory Data  
Report: 396399

### Environ International Corp.

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

Samples Received on:  
05/10/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	05:49	654038	(EPA 314.0)	Perchlorate	57000	ug/L	0.25	4000	250	1000
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	23:00	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	12000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:51	654192	(EPA 9040)	PH (H3=past HT not compliant)	7.5	Units	0.10	0.1	0.10	1
<b><u>FB-1 (201205100609)</u></b>							<b>Sampled on 05/09/2012 1045</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	22:14	654461	(EPA 6010)	Chromium Total ICAP	0.0010J	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	06:12	654038	(EPA 314.0)	Perchlorate	22	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	23:10	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5.0J	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	13:59	654192	(EPA 9040)	PH (H3=past HT not compliant)	5.9	Units	0.10	0.1	0.10	1
<b>EPA 7196 - CRVI 7196</b>											
	05/11/2012	16:05	653066	(EPA 7196)	Hexavalent chromium (Cr VI)	ND(H3)	mg/L	0.0035	0.005	0.0035	1
<b><u>EB-1 (201205100610)</u></b>							<b>Sampled on 05/09/2012 1115</b>				
<b>EPA 6010 - ICP Metals</b>											
5/11/2012	05/21/2012	22:34	654461	(EPA 6010)	Chromium Total ICAP	ND	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											
	05/18/2012	06:34	654038	(EPA 314.0)	Perchlorate	29	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/15/2012	05/15/2012	23:11	653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6.0J	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>											
	05/19/2012	14:04	654192	(EPA 9040)	PH (H3=past HT not compliant)	6.8	Units	0.10	0.1	0.10	1
<b>EPA 7196 - CRVI 7196</b>											
	05/11/2012	16:06	653066	(EPA 7196)	Hexavalent chromium (Cr VI)	0.0040J(H3)	mg/L	0.0035	0.005	0.0035	1
<b><u>MC-7 (201205100611)</u></b>							<b>Sampled on 05/09/2012 1233</b>				
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>											



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Laboratory Data  
Report: 396399

### Environ International Corp.

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Phoenix, AZ 85016

Samples Received on:  
05/10/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
	05/22/2012	17:34 654680	(EPA 314.0)	Perchlorate	15000	ug/L	0.25	800	50	200
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>										
5/15/2012	05/15/2012	23:03 653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4800	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>										
	05/19/2012	14:08 654192	(EPA 9040)	PH (H3=past HT not compliant)	7.5	Units	0.10	0.1	0.10	1
<b><u>MC-6 (201205100612)</u></b>							<b>Sampled on 05/09/2012 1255</b>			
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>										
	05/18/2012	07:19 654038	(EPA 314.0)	Perchlorate	650	ug/L	0.25	40	2.5	10
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>										
5/15/2012	05/15/2012	23:04 653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	14000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>										
	05/19/2012	14:12 654192	(EPA 9040)	PH (H3=past HT not compliant)	7.5	Units	0.10	0.1	0.10	1
<b><u>MC-45 (201205100613)</u></b>							<b>Sampled on 05/09/2012 1315</b>			
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>										
	05/18/2012	07:41 654038	(EPA 314.0)	Perchlorate	720	ug/L	0.25	40	2.5	10
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>										
5/15/2012	05/15/2012	23:05 653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	14000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>										
	05/19/2012	14:16 654192	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1
<b><u>MC-29 (201205100614)</u></b>							<b>Sampled on 05/09/2012 1343</b>			
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>										
	05/18/2012	08:04 654038	(EPA 314.0)	Perchlorate	1200	ug/L	0.25	400	25	100
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>										
5/15/2012	05/15/2012	23:06 653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	20000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>										
	05/19/2012	14:20 654192	(EPA 9040)	PH (H3=past HT not compliant)	7.3	Units	0.10	0.1	0.10	1
<b><u>MC-3 (201205100615)</u></b>							<b>Sampled on 05/09/2012 1406</b>			
<b>EPA 314.0 - Perchlorate Sterile Filtered</b>										
	05/22/2012	17:57 654680	(EPA 314.0)	Perchlorate	9800	ug/L	0.25	800	50	200
<b>E160.1/SM2540C - Total Dissolved Solid (TDS) 15/20</b>										

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

Rounding on totals after summation.

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**Laboratory Data**  
**Report: 396399**

**Environ International Corp.**

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

Samples Received on:  
05/10/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
5/15/2012	05/15/2012	23:07 653384	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	15000	mg/L	4.2	10	4.2	1
<b>EPA 9040 - PH by EPA 9040</b>										
	05/19/2012	14:24 654192	(EPA 9040)	PH (H3=past HT not compliant)	7.4	Units	0.10	0.1	0.10	1

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: 396399**

Environ International Corp.

(continued)

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201205100604	PC-28	Analyzed by: SFL
201205100605	PC-64	Analyzed by: SFL
201205100606	PC-65	Analyzed by: SFL
201205100607	PC-66	Analyzed by: SFL
201205100608	PC-67	Analyzed by: SFL
201205100609	FB-1	Analyzed by: SFL
201205100610	EB-1	Analyzed by: SFL
201205100611	MC-7	Analyzed by: SFL
201205100612	MC-6	Analyzed by: SFL
201205100613	MC-45	Analyzed by: SFL
201205100614	MC-29	Analyzed by: SFL
201205100615	MC-3	Analyzed by: SFL

**QC Ref # 654461 - ICP Metals**

201205100599	H-58A	Analyzed by: NINA
201205100600	H-48	Analyzed by: NINA
201205100601	I-O	Analyzed by: NINA
201205100602	I-P	Analyzed by: NINA
201205100604	PC-28	Analyzed by: NINA
201205100605	PC-64	Analyzed by: NINA
201205100606	PC-65	Analyzed by: NINA
201205100607	PC-66	Analyzed by: NINA
201205100608	PC-67	Analyzed by: NINA
201205100609	FB-1	Analyzed by: NINA
201205100610	EB-1	Analyzed by: NINA

**Analysis Date: 05/21/2012**

**QC Ref # 654680 - Perchlorate**

201205100600	H-48	Analyzed by: LUPE
201205100611	MC-7	Analyzed by: LUPE
201205100615	MC-3	Analyzed by: LUPE

**Analysis Date: 05/22/2012**

**QC Ref # 655129 - Perchlorate**

201205100599	H-58A	Analyzed by: LUPE
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**Analysis Date: 05/25/2012**



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**Laboratory QC**  
**Report: 396399**

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Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>QC Ref# 653066 - Hexavalent Chromium by EPA 7196 by EPA 7196</b>						<b>Analysis Date: 05/11/2012</b>			
LCS1	Hexavalent chromium (Cr VI)		0.05	0.0560	mg/L	112	(85-115)		
LCS2	Hexavalent chromium (Cr VI)		0.05	0.0560	mg/L	112	(85-115)		
MBLK	Hexavalent chromium (Cr VI)			<0.005	mg/L				
MRL_CHK	Hexavalent chromium (Cr VI)		0.005	0.00600	mg/L	120	(50-150)		
MS_201205150087	Hexavalent chromium (Cr VI)	2.0	0.05	3.1	mg/L	108	(85-115)		
MSD_201205150087	Hexavalent chromium (Cr VI)	2.0	0.05	3.07	mg/L	104	(85-115)	20	1.3
<b>QC Ref# 653384 - Total Dissolved Solids (TDS) by E160.1/SM2540C</b>						<b>Analysis Date: 05/15/2012</b>			
DUP_201205100598	Total Dissolved Solid (TDS)	4200		4170	mg/L		(0-20)	20	1.1
DUP_201205100603	Total Dissolved Solid (TDS)	4400		4400	mg/L		(0-20)	20	0.82
LCS1	Total Dissolved Solid (TDS)		175	180	mg/L	103	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	714	mg/L	102	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	12.0	mg/L	120	(50-150)		
<b>QC Ref# 654038 - Perchlorate by EPA 314.0</b>						<b>Analysis Date: 05/17/2012</b>			
LCS1	Perchlorate		25	27.5	ug/L	110	(85-115)		
LCS2	Perchlorate		25	28.2	ug/L	113	(85-115)	15	2.5
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	4.87	ug/L	122	(75-125)		
MS_201205100598	Perchlorate	2500	25	5230	ug/L	108	(80-120)		
MSD_201205100598	Perchlorate	2500	25	5400	ug/L	114	(80-120)	15	3.2
<b>QC Ref# 654192 - PH (H3=past HT not compliant) by EPA 9040</b>						<b>Analysis Date: 05/19/2012</b>			
DUP_201205100608	PH (H3=past HT not compliant)	7.5		7.52	Units		(0-20)	20	0.40
DUP_201205100598	PH (H3=past HT not compliant)	7.6		7.61	Units		(0-20)	20	0.66
LCS1	PH (H3=past HT not compliant)		6.0	6.00	Units	100	(98-102)		
LCS2	PH (H3=past HT not compliant)		6.0	6.01	Units	100	(98-102)	20	0.17
<b>QC Ref# 654461 - ICP Metals by EPA 6010</b>						<b>Analysis Date: 05/21/2012</b>			
LCS1	Chromium Total ICAP		1.0	1.08	mg/L	108	(85-115)		
LCS2	Chromium Total ICAP		1.0	1.08	mg/L	108	(85-115)	20	0.0
MBLK	Chromium Total ICAP			<0.01	mg/L				
MRL_CHK	Chromium Total ICAP		0.01	0.0110	mg/L	110	(50-150)		
MS_201205090662	Chromium Total ICAP	0.18	1.0	1.15	mg/L	97	(70-130)		
MS2_201205100599	Chromium Total ICAP	ND	1.0	0.966	mg/L	96	(70-130)		
MSD_201205090662	Chromium Total ICAP	0.18	1.0	1.16	mg/L	98	(70-130)	20	0.87
MSD2_201205100599	Chromium Total ICAP	ND	1.0	0.963	mg/L	96	(70-130)	20	0.31

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.



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Laboratory QC  
Report: 396399

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>QC Ref# 654680 - Perchlorate by EPA 314.0</b>						<b>Analysis Date: 05/22/2012</b>			
LCS1	Perchlorate		25	24.7	ug/L	99	(85-115)		
LCS2	Perchlorate		25	24.4	ug/L	98	(85-115)	15	1.2
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.23	ug/L	81	(75-125)		
MS_201205150496	Perchlorate	ND	25	46.8	ug/L	94	(80-120)		
MSD_201205150496	Perchlorate	ND	25	50.4	ug/L	101	(80-120)	15	7.4
<b>QC Ref# 655129 - Perchlorate by EPA 314.0</b>						<b>Analysis Date: 05/24/2012</b>			
LCS1	Perchlorate		25	26.6	ug/L	106	(85-115)		
LCS2	Perchlorate		25	24.7	ug/L	99	(85-115)	15	7.4
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.93	ug/L	98	(75-125)		
MS_201205150001	Perchlorate	ND	25	29.3	ug/L	117	(80-120)		
MSD_201205150001	Perchlorate	ND	25	28.2	ug/L	113	(80-120)	15	3.8

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.

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(S) - Indicates surrogate compound.

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