



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

Date of Issue

04/23/2012

Rita Reeves
MWH LABORATORIES

RSR: Rita Reeves
Project Manager



01114CA

Report: 391160
Project: CWA-RCRA
Group: Monthly PC/ARP 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**

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 #: 391160
Project: CWA-RCRA
Sample Group: Monthly PC/ARP Wells
Project Manager: Rita Reeves
Phone: 916-418-8358

The following samples were received from you on **March 15, 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
201203160053	MW-K4	03/13/2012 1120
	Perchlorate Total Dissolved Solid (TDS)	
201203160054	ARP-1	03/12/2012 1346
	Perchlorate Total Dissolved Solid (TDS)	
201203160055	ARP-2A	03/13/2012 1212
	Perchlorate Total Dissolved Solid (TDS)	
201203160056	ARP-3A	03/13/2012 1139
	Perchlorate Total Dissolved Solid (TDS)	
201203160057	ARP-4A	03/13/2012 1055
	Perchlorate Total Dissolved Solid (TDS)	
201203160058	ARP-5A	03/13/2012 1035
	Perchlorate Total Dissolved Solid (TDS)	
201203160059	ARP-6B	03/13/2012 1017
	Perchlorate Total Dissolved Solid (TDS)	
201203160060	ARP-7	03/13/2012 1001
	Perchlorate Total Dissolved Solid (TDS)	
201203160061	PC-53	03/13/2012 0916
	Perchlorate Total Dissolved Solid (TDS)	
201203160062	PC-103	03/14/2012 1007
	Perchlorate Total Dissolved Solid (TDS)	
201203160063	MW-K5	03/13/2012 0936
	Perchlorate Total Dissolved Solid (TDS)	
201203160064	M-83	03/14/2012 1141
	Perchlorate Total Dissolved Solid (TDS)	
201203160065	PC-98R	03/14/2012 1042
	Perchlorate Total Dissolved Solid (TDS)	
201203160066	PC-86	03/12/2012 1021

3/22



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Client ID: ENVIRON-NVTRUST
Folder #: 391160
Project: CWA-RCRA
Sample Group: Monthly PC/ARP Wells
Project Manager: Rita Reeves
Phone: 916-418-8358

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Sample #	Sample ID	Sample Date
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160067</u>	PC-90	03/12/2012 1004
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160068</u>	PC-56	03/12/2012 1130
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160069</u>	PC-58	03/12/2012 1110
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160070</u>	PC-59	03/12/2012 1202
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160071</u>	PC-60	03/12/2012 1146
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160072</u>	PC-62	03/12/2012 1217
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160073</u>	PC-68	03/12/2012 1236
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160074</u>	PC-122	03/13/2012 0845
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160075</u>	PC-91	03/12/2012 1045
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160076</u>	PC-97	03/12/2012 0941
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160077</u>	PC-18	03/12/2012 1321
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160078</u>	PC-55	03/13/2012 1406
	Perchlorate Total Dissolved Solid (TDS)	
<u>201203160079</u>	PC-101R	03/13/2012 1245



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The following samples were received from you on **March 15, 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
	Perchlorate Total Dissolved Solid (TDS)	

Test Description



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

2 coolers

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

MWLABS USE ONLY:

LOGIN COMMENTS: F0005/

C0021

SAMPLES CHECKED/LOGGED IN BY: JJ/JS

SAMPLE TEMP, RECEIPT AT LAB: 2.4

29/1/00

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

CWA-RCRA

Collection Wells Fields - Monthly - SO #12374

Nevada Environmental Response Trust

35 Wacker Suite 1550

Chicago, IL 60606

Sampler Eric Crawford

John Pekala 602- (702) 651-2200

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

X (check for yes)

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

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Sampler	COMMENTS
1120A	3-13		MW-K4	RSW	X			
146V	3-12		ARP-1	RSW	X			
1212P	3-13		ARP-2A	RSW	X			
1139A	3-13		ARP-3A	RSW	X			
105A	3-13		ARP-4A	RSW	X			
1035	3-13		ARP-5A	RSW	X			
1017A	3-13		ARP-6B	RSW	X			
1001A	3-13		ARP-7	RSW	X			
916A	3-13		PC-53	RSW	X			
1007A	3-14		PC-103	RSW	X			
936A	3-13		MW-K5	RSW	X			
		No Sample	ART-7B	RSW	X			

* MATRIX TYPES:

Reported by Volume:

CFW = Chloraminated 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

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: <u>[Signature]</u>	Eric Crawfordford	Veolia Water for Nevada Environmental Response Trust	3-14-12	1200pm
RECEIVED BY: <u>[Signature]</u>	Joe Sanchez	MWH	3-15-12	1140
RELINQUISHED BY:				
RECEIVED BY:				



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: JS/JS

SAMPLE TEMP, RECEIPT AT LAB: 24

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

CWA-RCRA
Collection Wells Fields - Monthly - SO #12374

Nevada Environmental Response Trust

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

Eric Crawford

35 Wacker Suite 1550
Chicago, IL 60606

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

John Pekala 602-7 (702) 651-2200

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3	SAMPLER COMMENTS
1141A	3-14		M-83	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
1042A	3-14	No Sample	M-87	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	no sample
1021A	3-12		PC-98R	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
1094A	3-12		PC-86	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
1130A	3-12		PC-90	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
1110A	3-12		PC-56	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
1202P	3-12		PC-58	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
1146A	3-12		PC-59	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
1217P	3-12		PC-60	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
1236P	3-12		PC-62	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
845A	3-13		PC-68	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	
			PC-122	RSW	X		TDS X NO3 X CLO3 X CR X CLO4 X	

Reported by Volume:

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

Reported by Weight:

SO = Soil
SL = Sludge

CWW = Chlorinated Waste Water

WW = Other Waste Water

SW = Storm Water

RGW = Raw Ground Water

RSW = Raw Surface Water

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: [Signature]

Veolia Water for Nevada Environmental Response Trust

3-14-12 1200pm

RECEIVED BY:

Eric Crawford

MWWT

3-15-12 1140

RELINQUISHED BY: [Signature]

Joe Sanchez

MWWT

3-15-12 1140

RECEIVED BY:

Eric Crawford

MWWT

3-15-12 1140



750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(926) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: OS/OS

SAMPLE TEMP, RECEIPT AT LAB: 24

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME Nevada Environmental Response Trust Sampler Eric Crawford	PROJECT JOB # / P.O.# CWA-RCRA Collection Wells Fields - Monthly - SO #12374	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES	<input checked="" type="checkbox"/> (check for yes)
Nevada Environmental Response Trust 35 Wacker Suite 1550 Chicago, IL 60606		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)	

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3					SAMPLER COMMENTS	
							TDS	ClO4	ClO3	NO3	CR		
1045A	3-12		PC-91	RSW	X		X	X					
941A	3-12		PC-97	RSW	X		X	X					
121P	3-12		PC-18	RSW	X		X	X					
206P	3-13		PC-55	RSW	X		X	X					
124P	3-13		PC-101R	RSW	X		X	X					

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

RELINQUISHED BY: <u>[Signature]</u>	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY: <u>[Signature]</u>		Eric Crawford	Veolia Water for Nevada Environmental Response Trust	3-14-12	1200pm
RELINQUISHED BY: <u>[Signature]</u>		Joe Sanchez	MWH	3-15-12	1140
RECEIVED BY:					

Kit Order for Environ International Corp.

Rita Reeves is Your MWH Labs Project Manager

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

Kit #: 44156
Created AutoGenerated
Order Date: 02/01/2012
STG: Bottle Orders

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

Client Code: ENVIRON-NVTRUST
Project Code: CWA-RCRA Bottle Orders
Group Name: Monthly PC/ARP Wells
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 #
35	Perchlorate Sterile Filtered 1 125 ml poly + syringe, filter 125ml STERILE bottle	
35	Total Dissolved Solid (TDS) 1 500ml poly TDS - no preservative	

Comments

Monthly PC/ARP Wells - do NOT prelabel bottles Extra bottles included

9/22

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

From: (702) 566-6001
 Russell Speckin
 Veolia Water NA West LLC
 510 Fourth St.

Origin ID: LASA



J12101112190225

Henderson, NV 89015

Ship Date: 14MAR12
 ActWgt: 60.0 LB
 CAD: 5135271/INET3250

Delivery Address Bar Code



SHIP TO: (626) 568-6400

BILL SENDER

Linda Geddes
Montgomery Watson Labs
750 Royal Oaks Drive suite 100

Monrovia, CA 91016

Ref # ARP and PC
 Invoice #
 PO #
 Dept #

1 of 2

THU - 15 MAR A1
PRIORITY OVERNIGHT

TRK# 7981 7003 5745

0201

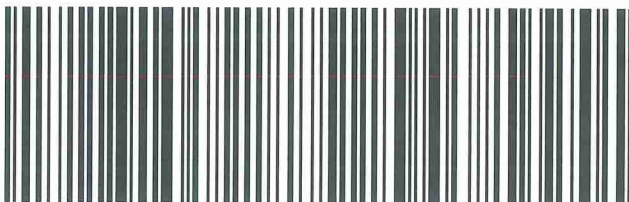
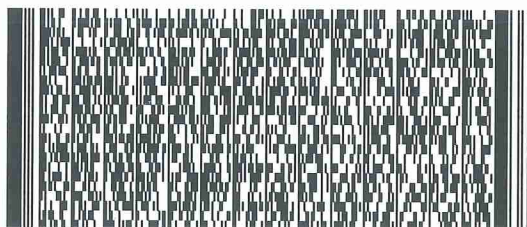
MASTER

QZ WHPA

91016

CA-US

BUR



512G181D5/A278

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From: (702) 566-6001
 Russell Speckin
 Veolia Water NA West LLC
 510 Fourth St.

Origin ID: LASA



J12101112190225

Ship Date: 14MAR12
 ActWgt: 63.0 LB
 CAD: 5135271/INET3250

Henderson, NV 89015

Delivery Address Bar Code



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

BILL SENDER

Ref # ARP and PC
 Invoice #
 PO #
 Dept #

Monrovia, CA 91016

2 of 2

THU - 15 MAR A1
 PRIORITY OVERNIGHT

MPS# 7981 7003 5815

0263

Mstr# 7981 7003 5745

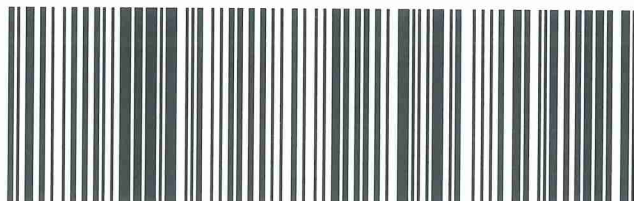
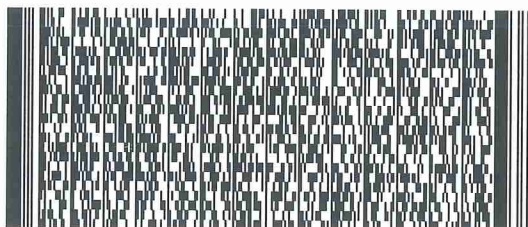
0201

91016

CA-US

BUR

QZ WHPA



512G1/81D5/A278

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April 23, 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 March 15, 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 Reeves
Project Manager



MWH

LABORATORIES

A Division of MWH Americas, Inc.

750 Royal Oak Dr., Suite 100
Monrovia, California, 91016-3629
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John M. Pekala, P.G.
1702 E. Highland Ave.
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Phoenix, AZ 85016

Laboratory Comments
Report: #391160



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Laboratory Data
Report: 391160

Environ International Corp.

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

Samples Received on:
03/15/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
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MW-K4 (201203160053)

Sampled on 03/13/2012 1120

EPA 314.0 - Perchlorate Sterile Filtered

03/21/2012	18:27	644713	(EPA 314.0)	Perchlorate	260000	ug/L	0.25	40000	2500	10000
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E160.1/SM2540C - Total Dissolved Solid (TDS)

3/19/2012	03/19/2012	16:37	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6400	mg/L	4.2	10	4.2	1
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ARP-1 (201203160054)

Sampled on 03/12/2012 1346

EPA 314.0 - Perchlorate Sterile Filtered

03/21/2012	18:50	644713	(EPA 314.0)	Perchlorate	15000	ug/L	0.25	800	50	200
------------	-------	--------	-------------	-------------	-------	------	------	-----	----	-----

E160.1/SM2540C - Total Dissolved Solid (TDS)

3/19/2012	03/19/2012	16:38	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5800	mg/L	4.2	10	4.2	1
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ARP-2A (201203160055)

Sampled on 03/13/2012 1212

EPA 314.0 - Perchlorate Sterile Filtered

03/21/2012	19:12	644713	(EPA 314.0)	Perchlorate	6400	ug/L	0.25	400	25	100
------------	-------	--------	-------------	-------------	------	------	------	-----	----	-----

E160.1/SM2540C - Total Dissolved Solid (TDS)

3/19/2012	03/19/2012	16:39	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6200	mg/L	4.2	10	4.2	1
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ARP-3A (201203160056)

Sampled on 03/13/2012 1139

EPA 314.0 - Perchlorate Sterile Filtered

03/21/2012	19:34	644713	(EPA 314.0)	Perchlorate	4300	ug/L	0.25	400	25	100
------------	-------	--------	-------------	-------------	------	------	------	-----	----	-----

E160.1/SM2540C - Total Dissolved Solid (TDS)

3/19/2012	03/19/2012	16:40	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8000	mg/L	4.2	10	4.2	1
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ARP-4A (201203160057)

Sampled on 03/13/2012 1055

EPA 314.0 - Perchlorate Sterile Filtered

03/21/2012	19:57	644713	(EPA 314.0)	Perchlorate	26000	ug/L	0.25	4000	250	1000
------------	-------	--------	-------------	-------------	-------	------	------	------	-----	------

E160.1/SM2540C - Total Dissolved Solid (TDS)

3/19/2012	03/19/2012	16:41	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4700	mg/L	4.2	10	4.2	1
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ARP-5A (201203160058)

Sampled on 03/13/2012 1035

EPA 314.0 - Perchlorate Sterile Filtered

03/21/2012	20:19	644713	(EPA 314.0)	Perchlorate	19000	ug/L	0.25	2000	120	500
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E160.1/SM2540C - Total Dissolved Solid (TDS) 14/22

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: 391160

Environ International Corp.

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

Samples Received on:
03/15/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
3/19/2012	03/19/2012	16:42 644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6000	mg/L	4.2	10	4.2	1
<u>ARP-6B (201203160059)</u>							Sampled on 03/13/2012 1017			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/21/2012	20:42 644713	(EPA 314.0)	Perchlorate	35000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/20/2012	03/20/2012	20:22 644446	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8700	mg/L	4.2	10	4.2	1
<u>ARP-7 (201203160060)</u>							Sampled on 03/13/2012 1001			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/21/2012	21:04 644713	(EPA 314.0)	Perchlorate	2200	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/20/2012	03/20/2012	20:23 644446	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5500	mg/L	4.2	10	4.2	1
<u>PC-53 (201203160061)</u>							Sampled on 03/13/2012 0916			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/21/2012	21:49 644713	(EPA 314.0)	Perchlorate	3300	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/20/2012	03/20/2012	20:24 644446	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4800	mg/L	4.2	10	4.2	1
<u>PC-103 (201203160062)</u>							Sampled on 03/14/2012 1007			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/21/2012	22:11 644713	(EPA 314.0)	Perchlorate	17000	ug/L	0.25	2000	120	500
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/20/2012	03/20/2012	20:25 644446	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5200	mg/L	4.2	10	4.2	1
<u>MW-K5 (201203160063)</u>							Sampled on 03/13/2012 0936			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/21/2012	22:34 644713	(EPA 314.0)	Perchlorate	21000	ug/L	0.25	2000	120	500
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/20/2012	03/20/2012	20:26 644446	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6600	mg/L	4.2	10	4.2	1
<u>M-83 (201203160064)</u>							Sampled on 03/14/2012 1141			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/21/2012	22:56 644713	(EPA 314.0)	Perchlorate	87000	ug/L	0.25	4000	250	1000



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Laboratory Data
Report: 391160

Environ International Corp.

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Phoenix, AZ 85016

Samples Received on:
03/15/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
3/20/2012	03/20/2012	20:20	644446	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	1700	mg/L	4.2	10	4.2	1
PC-98R (201203160065)							Sampled on 03/14/2012 1042				
EPA 314.0 - Perchlorate Sterile Filtered											
	03/21/2012	23:19	644713	(EPA 314.0)	Perchlorate	22000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
3/20/2012	03/20/2012	20:27	644446	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6700	mg/L	4.2	10	4.2	1
PC-86 (201203160066)							Sampled on 03/12/2012 1021				
EPA 314.0 - Perchlorate Sterile Filtered											
	03/21/2012	23:41	644713	(EPA 314.0)	Perchlorate	370	ug/L	0.25	200	12	50
E160.1/SM2540C - Total Dissolved Solid (TDS)											
3/19/2012	03/19/2012	16:35	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2200	mg/L	4.2	10	4.2	1
PC-90 (201203160067)							Sampled on 03/12/2012 1004				
EPA 314.0 - Perchlorate Sterile Filtered											
	03/27/2012	23:38	645639	(EPA 314.0)	Perchlorate	11000	ug/L	0.25	800	50	200
E160.1/SM2540C - Total Dissolved Solid (TDS)											
3/19/2012	03/19/2012	16:43	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3800	mg/L	4.2	10	4.2	1
PC-56 (201203160068)							Sampled on 03/12/2012 1130				
EPA 314.0 - Perchlorate Sterile Filtered											
	03/22/2012	00:26	644713	(EPA 314.0)	Perchlorate	14000	ug/L	0.25	800	50	200
E160.1/SM2540C - Total Dissolved Solid (TDS)											
3/19/2012	03/19/2012	16:44	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4800	mg/L	4.2	10	4.2	1
PC-58 (201203160069)							Sampled on 03/12/2012 1110				
EPA 314.0 - Perchlorate Sterile Filtered											
	03/22/2012	00:48	644713	(EPA 314.0)	Perchlorate	2000	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)											
3/19/2012	03/19/2012	16:46	644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2900	mg/L	4.2	10	4.2	1
PC-59 (201203160070)							Sampled on 03/12/2012 1202				
EPA 314.0 - Perchlorate Sterile Filtered											

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

Rounding on totals after summation.

(c) - Indicates calculated results.

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Laboratory Data
Report: 391160

Environ International Corp.

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Suite 412
Phoenix, AZ 85016

Samples Received on:
03/15/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
	03/22/2012	01:11 644713	(EPA 314.0)	Perchlorate	4800	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/19/2012	03/19/2012	16:45 644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3300	mg/L	4.2	10	4.2	1
PC-60 (201203160071)							Sampled on 03/12/2012 1146			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/22/2012	06:02 644714	(EPA 314.0)	Perchlorate	2800	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/19/2012	03/19/2012	16:48 644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2500	mg/L	4.2	10	4.2	1
PC-62 (201203160072)							Sampled on 03/12/2012 1217			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/22/2012	06:24 644714	(EPA 314.0)	Perchlorate	200	ug/L	0.25	40	2.5	10
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/19/2012	03/19/2012	16:49 644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2000	mg/L	4.2	10	4.2	1
PC-68 (201203160073)							Sampled on 03/12/2012 1236			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/22/2012	06:47 644714	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/19/2012	03/19/2012	16:50 644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	1900	mg/L	4.2	10	4.2	1
PC-122 (201203160074)							Sampled on 03/13/2012 0845			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/22/2012	07:09 644714	(EPA 314.0)	Perchlorate	20000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/19/2012	03/19/2012	16:51 644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8700	mg/L	4.2	10	4.2	1
PC-91 (201203160075)							Sampled on 03/12/2012 1045			
EPA 314.0 - Perchlorate Sterile Filtered										
	03/22/2012	07:32 644714	(EPA 314.0)	Perchlorate	5100	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
3/19/2012	03/19/2012	16:52 644259	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3200	mg/L	4.2	10	4.2	1
PC-97 (201203160076)							Sampled on 03/12/2012 0941			



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Laboratory Data
Report: 391160

Environ International Corp.

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Samples Received on:
03/15/2012

Table with 11 columns: Prepared, Analyzed, QC Ref #, Method, Analyte, Result, Units, MDL, MRL, SQL, Dilution. Contains multiple rows for different samples and methods, including EPA 314.0 and E160.1/SM2540C.

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: 391160**

Environ International Corp.

QC Ref # 644259 - Total Dissolved Solids (TDS)

201203160053	MW-K4
201203160054	ARP-1
201203160055	ARP-2A
201203160056	ARP-3A
201203160057	ARP-4A
201203160058	ARP-5A
201203160066	PC-86
201203160067	PC-90
201203160068	PC-56
201203160069	PC-58
201203160070	PC-59
201203160071	PC-60
201203160072	PC-62
201203160073	PC-68
201203160074	PC-122
201203160075	PC-91
201203160076	PC-97
201203160077	PC-18
201203160078	PC-55
201203160079	PC-101R

Analysis Date: 03/19/2012

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

QC Ref # 644446 - Total Dissolved Solids (TDS)

201203160059	ARP-6B
201203160060	ARP-7
201203160061	PC-53
201203160062	PC-103
201203160063	MW-K5
201203160064	M-83
201203160065	PC-98R

Analysis Date: 03/20/2012

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

QC Ref # 644713 - Perchlorate

201203160053	MW-K4
201203160054	ARP-1
201203160055	ARP-2A
201203160056	ARP-3A
201203160057	ARP-4A
201203160058	ARP-5A
201203160059	ARP-6B
201203160060	ARP-7
201203160061	PC-53
201203160062	PC-103
201203160063	MW-K5
201203160064	M-83
201203160065	PC-98R
201203160066	PC-86
201203160068	PC-56

Analysis Date: 03/21/2012

Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE
Analyzed by: LUPE
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Laboratory
QC Summary: 391160

Environ International Corp.

(continued)

201203160069	PC-58	Analyzed by: LUPE
201203160070	PC-59	Analyzed by: LUPE

QC Ref # 644714 - Perchlorate

Analysis Date: 03/22/2012

201203160071	PC-60	Analyzed by: LUPE
201203160072	PC-62	Analyzed by: LUPE
201203160073	PC-68	Analyzed by: LUPE
201203160074	PC-122	Analyzed by: LUPE
201203160075	PC-91	Analyzed by: LUPE
201203160076	PC-97	Analyzed by: LUPE
201203160077	PC-18	Analyzed by: LUPE
201203160078	PC-55	Analyzed by: LUPE
201203160079	PC-101R	Analyzed by: LUPE

QC Ref # 645639 - Perchlorate

Analysis Date: 03/27/2012

201203160067	PC-90	Analyzed by: LUPE
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Laboratory
QC Report: 391160

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 644259 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 03/19/2012				
DUP_201203160069	Total Dissolved Solid (TDS)	2900		2920	mg/L		(0-20)	20	0.61
DUP_201203160066	Total Dissolved Solid (TDS)	2200		2150	mg/L		(0-20)	20	0.0
LCS1	Total Dissolved Solid (TDS)		175	178	mg/L	102	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	692	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	10.0	mg/L	100	(50-150)		
QC Ref# 644446 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 03/20/2012				
DUP_201203160064	Total Dissolved Solid (TDS)	1700		1700	mg/L		(0-20)	20	0.35
DUP_201203140682	Total Dissolved Solid (TDS)	630		638	mg/L		(0-20)	20	1.9
LCS1	Total Dissolved Solid (TDS)		175	178	mg/L	102	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	712	mg/L	102	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	14.0	mg/L	140	(50-150)		
QC Ref# 644713 - Perchlorate by EPA 314.0					Analysis Date: 03/21/2012				
LCS1	Perchlorate		25	25.4	ug/L	102	(85-115)		
LCS2	Perchlorate		25	27.1	ug/L	109	(85-115)	15	6.5
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.81	ug/L	95	(75-125)		
MS_201203150441	Perchlorate	18	25	43.7	ug/L	102	(80-120)		
MSD_201203150441	Perchlorate	18	25	45.4	ug/L	109	(80-120)	15	3.8
QC Ref# 644714 - Perchlorate by EPA 314.0					Analysis Date: 03/22/2012				
LCS1	Perchlorate		25	24.9	ug/L	99	(85-115)		
LCS2	Perchlorate		25	24.8	ug/L	99	(85-115)	15	0.40
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.3	ug/L	82	(75-125)		
MS_201203190035	Perchlorate	ND	25	28.0	ug/L	112	(80-120)		
MSD_201203190035	Perchlorate	ND	25	27.7	ug/L	111	(80-120)	15	1.1
QC Ref# 645639 - Perchlorate by EPA 314.0					Analysis Date: 03/27/2012				
LCS1	Perchlorate		25	25.6	ug/L	102	(85-115)		
LCS2	Perchlorate		25	28.1	ug/L	112	(85-115)	15	9.3
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	4.42	ug/L	110	(75-125)		
MS_201203260090	Perchlorate	ND	25	28.4	ug/L	114	(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.

(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

21/22

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)



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Laboratory
QC Report: 391160

Environ International Corp.
(continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201203260090	Perchlorate	ND	25	29.0	ug/L	116	(80-120)	15	2.1

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.

(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

22/22

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)