



MWH

LABORATORIES

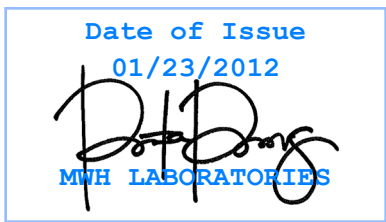
A Division of MWH Americas, Inc.

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 Reeves
Project Manager

Report#: 384959
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**

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

Environ International Corp.

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

Customer Code: ENVIRON-NVTRUST

Folder #: 384959

Project: CWA-RCRA

Sample Group: Monthly ART and PC Wells

Project Manager: Rita Reeves

Phone: 916-418-8358

The following samples were received from you on **January 05, 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>201201050294</u>	ART-1	Jan 04, 2012 10:45
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050295</u>	ART-2	Jan 04, 2012 10:20
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050296</u>	ART-3	Jan 04, 2012 10:50
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050297</u>	ART-4	Jan 04, 2012 10:40
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050298</u>	ART-6	Jan 04, 2012 11:20
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050299</u>	ART-7	Jan 04, 2012 10:25
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050300</u>	ART-8	Jan 04, 2012 10:30
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050301</u>	PC-99R2/R3	Jan 04, 2012 13:00
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050302</u>	PC-115R	Jan 04, 2012 12:55
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050303</u>	PC-116R	Jan 04, 2012 12:50
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201201050304</u>	SF-1	Jan 04, 2012 13:10
	Chromium Total ICAP RCRA	Perchlorate
		3/23
		Total Dissolved Solid (TDS)

Acknowledgement of Samples Received

Environ International Corp.

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

Customer Code: ENVIRON-NVTRUST
 Folder #: 384959
 Project: CWA-RCRA
 Sample Group: Monthly ART and PC Wells
 Project Manager: Rita Reeves
 Phone: 916-418-8358

The following samples were received from you on **January 05, 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>201201050305</u>	PC-117	Jan 04, 2012 12:40
	Chromium Total ICAP RCRA Perchlorate Total Dissolved Solid (TDS)	
<u>201201050306</u>	PC-118	Jan 04, 2012 12:35
	Chromium Total ICAP RCRA Perchlorate Total Dissolved Solid (TDS)	
<u>201201050307</u>	PC-119	Jan 04, 2012 12:30
	Chromium Total ICAP RCRA Perchlorate Total Dissolved Solid (TDS)	
<u>201201050308</u>	PC-120	Jan 04, 2012 12:20
	Chromium Total ICAP RCRA Perchlorate Total Dissolved Solid (TDS)	
<u>201201050309</u>	PC-121	Jan 04, 2012 12:15
	Chromium Total ICAP RCRA Perchlorate Total Dissolved Solid (TDS)	
<u>201201050310</u>	PC-133	Jan 04, 2012 12:45
	Chromium Total ICAP RCRA Perchlorate Total Dissolved Solid (TDS)	
<u>201201050311</u>	ART-9	Jan 04, 2012 10:35
	Chromium Total ICAP RCRA Perchlorate Total Dissolved Solid (TDS)	

Test Description



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

M/LABS USE ONLY:

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: VS

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: Tobin Walker

PROJECT JOB # / P.O.#

CWA-RCRA
Collection Wells Fields - Weekly - SO #2373

John Pekala
602-734-7710

Nevada Environmental Response Trust
35 East Wacker Suite 1550
Chicago, IL 60606

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

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

(check for yes)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	STERILE	CLO4	TDS	CR	SAMPLER COMMENTS
1045A	1/4/12		ART-1	RSW	X		X		X	X	
1020A	1/4/12		ART-2	RSW	X		X		X	X	
1050A	1/4/12		ART-3	RSW	X		X		X	X	
1040A	1/4/12		ART-4	RSW	X		X		X	X	
1050A	1/4/12		ART-6	RSW	X		X		X	X	
1025A	1/4/12		ART-7	RSW	X		X		X	X	
1020A	1/4/12		ART-8	RSW	X		X		X	X	
1300	1/4/12		PC-99R2/R3	RSW	X		X		X	X	
1255p	1/4/12		PC-115R	RSW	X		X		X	X	
1250p	1/4/12		PC-116R	RSW	X		X		X	X	

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(amin)ated 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:

Tobin Walker

PRINT NAME

Tobin Walker

COMPANY/TITLE

Veolia Water for Nevada Environmental Response Trust

DATE

1/4/2012

TIME

1200pm

RELINQUISHED BY:

Tobin Walker

RECEIVED BY:

Joe Sanchez

RELINQUISHED BY:

Joe Sanchez

RECEIVED BY:

Joe Sanchez



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: JSJ

SAMPLE TEMP, RECEIPT AT LAB: 2-8

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 # 2373

Nevada Environmental Response Trust
Sampler Signature: Tobin Walker

John Pekala 602-734-7710
Nevada Environmental Response Trust
35 Wacker Suite 1550
Chicago, IL 60606

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	sterile filtered ClO4	TDS	CR	SAMPLER COMMENTS
1310	1/4/12		SF-1	RSW	X		X	X	X	
1240	1/4/12		PC-117	RSW	X		X	X	X	
1235P	1/4/12		PC-118	RSW	X		X	X	X	
1230P	1/4/12		PC-119	RSW	X		X	X	X	
6123	1/4/12		PC-120	RSW	X		X	X	X	
1215P	1/4/12		PC-121	RSW	X		X	X	X	
1245P	1/4/12		PC-133	RSW	X		X	X	X	
1035A	1/4/12		ART-9	RSW	X		X	X	X	

* 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

Tobin Walker

PRINT NAME

Tobin Walker

COMPANY/TITLE

Veolia Water for Nevada Environmental Response Trust

MWA

DATE

1/4/2012

TIME

1200pm

RELINQUISHED BY:

RECEIVED BY:

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

Linda Geddes is Your MWH Labs Project Manager

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

Kit #: 37327
 Created AutoGenerated
 Order Date: 09/01/2011
 STG: Bottle Orders

Client Code: TRONOX
 Project Code: BOTTLES Bottle Orders
 Group Name: Monthly ART and PC Wells
 PO#JOB#:

Ship By:
 08/22/2011

Ship Sample Kits to
 Veolia Water- Environ NV Trust
 510 Fourth Street
 Henderson, NV 89015
 Attn: Wendy Prescott
 Phone:
 Fax:

Send Report to
 Tronox LLC
 PO Box 55
 Henderson, NV 89009
 Attn: Susan Crowley
 Phone: 702-651-2234
 Fax: 702-651-2310

Billing Address
 Tronox LLC
 PO Box 55
 Henderson, NV 89009
 Attn: Susan Crowley
 Phone: 702-651-2234
 Fax: 702-651-2310

# of Samples Tests	Bottles - Qty for each sample, type & preservative if any	UN DOT #
20 Chromium Total ICAP RCRA	1 250ml acid rinsed 1ml HNO3 (18%)	UN2031
20 Perchlorate Sterile Filtered	1 125 ml poly + syringe, filter 125ml STERILE bottle	
20 Total Dissolved Solid (TDS)	1 500ml poly TDS - no preservative	

Comments

Monthly ART and PC wells - DO NOT PRELABEL BOTTLES

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

From: (702) 566-6001
Thomas McDaniel
Veolia Water NA West LLC
510 Fourth St
Henderson, NV 89009

Origin ID: LASA



Ship Date: 04JAN12
ActWgt: 45.0 LB
CAD: 5135271/INET3210

Delivery Address Bar Code



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

Monrovia, CA 91016

BILL SENDER

Ref #
Invoice #
PO #
Dept #

1 of 3

THU - 05 JAN A1
PRIORITY OVERNIGHT

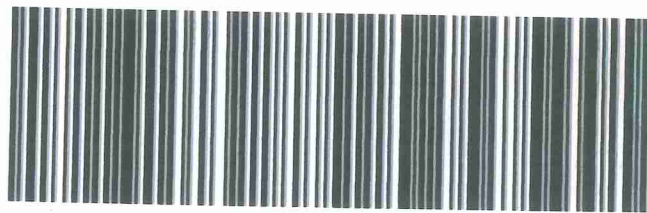
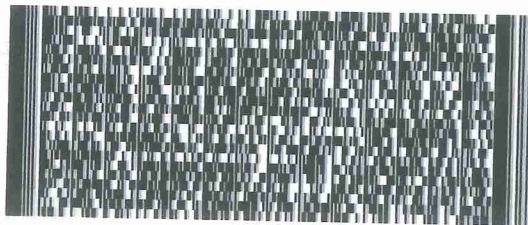
TRK# 7930 8236 8295

0201

MASTER

QZ WHPA

91016
CA-US
BUR



50FG1/61C1/F5F4

After printing this label:

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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.

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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.

January 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 January 05, 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.

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Monrovia, California, 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
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: #384959

10/23

The Comments Report may be blank if there are no comments for this report.



MWH

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Laboratory
Hits Report: 384959

Environ International Corp.

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

Samples Received on:
01/05/2012

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
201201050294 <u>ART-1</u>						
01/10/2012	22:48	Perchlorate	4000	6	ug/L	400
01/10/2012	13:41	Total Dissolved Solids (TDS)	6300	500	mg/L	10
201201050295 <u>ART-2</u>						
01/19/2012	23:03	Chromium Total ICAP	0.029		mg/L	0.02
01/11/2012	13:56	Perchlorate	59000	6	ug/L	4000
01/10/2012	13:42	Total Dissolved Solids (TDS)	9300	500	mg/L	10
201201050296 <u>ART-3</u>						
01/19/2012	23:08	Chromium Total ICAP	0.36		mg/L	0.02
01/11/2012	15:03	Perchlorate	280000	6	ug/L	40000
01/10/2012	13:43	Total Dissolved Solids (TDS)	8600	500	mg/L	10
201201050297 <u>ART-4</u>						
01/19/2012	23:13	Chromium Total ICAP	0.52		mg/L	0.02
01/11/2012	15:25	Perchlorate	360000	6	ug/L	40000
01/10/2012	13:44	Total Dissolved Solids (TDS)	6600	500	mg/L	10
201201050298 <u>ART-6</u>						
01/19/2012	23:18	Chromium Total ICAP	1.4		mg/L	0.02
01/11/2012	15:48	Perchlorate	280000	6	ug/L	40000
01/10/2012	13:45	Total Dissolved Solids (TDS)	7200	500	mg/L	10
201201050299 <u>ART-7</u>						
01/19/2012	23:23	Chromium Total ICAP	0.64		mg/L	0.02
01/11/2012	16:10	Perchlorate	120000	6	ug/L	20000
01/10/2012	13:48	Total Dissolved Solids (TDS)	8500	500	mg/L	10
201201050300 <u>ART-8</u>						
01/19/2012	23:28	Chromium Total ICAP	0.20		mg/L	0.02
01/11/2012	16:33	Perchlorate	210000	6	ug/L	20000
01/10/2012	13:49	Total Dissolved Solids (TDS)	9500	500	mg/L	10
201201050301 <u>PC-99R2/R3</u>						
01/11/2012	16:55	Perchlorate	12000	6	ug/L	800
01/10/2012	13:50	Total Dissolved Solids (TDS)	4400	500	mg/L	10
201201050302 <u>PC-115R</u>						
01/11/2012	17:17	Perchlorate	7900	6	ug/L	800



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Laboratory
Hits Report: 384959

Environ International Corp.

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

Samples Received on:
01/05/2012

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
01/10/2012 13:51	Total Dissolved Solids (TDS)		3500	500	mg/L	10
	201201050303	<u>PC-116R</u>				
01/11/2012 17:40	Perchlorate		11000	6	ug/L	800
01/10/2012 13:52	Total Dissolved Solids (TDS)		4400	500	mg/L	10
	201201050304	<u>SF-1</u>				
01/11/2012 18:02	Perchlorate		6.1	6	ug/L	4
01/10/2012 13:53	Total Dissolved Solids (TDS)		5700	500	mg/L	10
	201201050305	<u>PC-117</u>				
01/11/2012 18:47	Perchlorate		5400	6	ug/L	400
01/10/2012 13:54	Total Dissolved Solids (TDS)		3400	500	mg/L	10
	201201050306	<u>PC-118</u>				
01/11/2012 19:09	Perchlorate		4000	6	ug/L	400
01/10/2012 13:55	Total Dissolved Solids (TDS)		3000	500	mg/L	10
	201201050307	<u>PC-119</u>				
01/11/2012 19:32	Perchlorate		560	6	ug/L	200
01/10/2012 13:56	Total Dissolved Solids (TDS)		2200	500	mg/L	10
	201201050308	<u>PC-120</u>				
01/11/2012 19:54	Perchlorate		250	6	ug/L	80
01/11/2012 17:23	Total Dissolved Solids (TDS)		2300	500	mg/L	10
	201201050309	<u>PC-121</u>				
01/11/2012 20:17	Perchlorate		750	6	ug/L	80
01/11/2012 17:24	Total Dissolved Solids (TDS)		2400	500	mg/L	10
	201201050310	<u>PC-133</u>				
01/11/2012 20:39	Perchlorate		820	6	ug/L	400
01/11/2012 17:25	Total Dissolved Solids (TDS)		2500	500	mg/L	10
	201201050311	<u>ART-9</u>				
01/20/2012 00:38	Chromium Total ICAP		1.3		mg/L	0.02
01/11/2012 21:01	Perchlorate		310000	6	ug/L	40000
01/11/2012 17:26	Total Dissolved Solids (TDS)		7000	500	mg/L	10



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Laboratory Data
Report: 384959

Environ International Corp.

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

Samples Received on:
01/05/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<u>ART-1 (201201050294)</u>							Sampled on 01/04/2012 1045				
EPA 6010 - ICP Metals											
01/19/2012	22:58	633674	(EPA 6010)	Chromium Total ICAP	0.0022J	mg/L	0.00044	0.02	0.00088	2	
EPA 314.0 - Perchlorate Sterile Filtered											
01/10/2012	22:48	633848	(EPA 314.0)	Perchlorate	4000	ug/L	0.25	400	25	100	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:41	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6300	mg/L	4.2	10	4.2	1
<u>ART-2 (201201050295)</u>							Sampled on 01/04/2012 1020				
EPA 6010 - ICP Metals											
01/19/2012	23:03	633674	(EPA 6010)	Chromium Total ICAP	0.029	mg/L	0.00044	0.02	0.00088	2	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	13:56	634005	(EPA 314.0)	Perchlorate	59000	ug/L	0.25	4000	250	1000	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:42	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	9300	mg/L	4.2	10	4.2	1
<u>ART-3 (201201050296)</u>							Sampled on 01/04/2012 1050				
EPA 6010 - ICP Metals											
01/19/2012	23:08	633674	(EPA 6010)	Chromium Total ICAP	0.36	mg/L	0.00044	0.02	0.00088	2	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	15:03	634005	(EPA 314.0)	Perchlorate	280000	ug/L	0.25	40000	2500	10000	

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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Report: 384959

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Suite 412
Phoenix, AZ 85016

Samples Received on:
01/05/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:43	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8600	mg/L	4.2	10	4.2	1
<u>ART-4 (201201050297)</u>								Sampled on 01/04/2012 1040			
EPA 6010 - ICP Metals											
01/19/2012	23:13	633674	(EPA 6010)	Chromium Total ICAP	0.52	mg/L	0.00044	0.02	0.00088	2	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	15:25	634005	(EPA 314.0)	Perchlorate	360000	ug/L	0.25	40000	2500	10000	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:44	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6600	mg/L	4.2	10	4.2	1
<u>ART-6 (201201050298)</u>								Sampled on 01/04/2012 1120			
EPA 6010 - ICP Metals											
01/19/2012	23:18	633674	(EPA 6010)	Chromium Total ICAP	1.4	mg/L	0.00044	0.02	0.00088	2	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	15:48	634005	(EPA 314.0)	Perchlorate	280000	ug/L	0.25	40000	2500	10000	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:45	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	7200	mg/L	4.2	10	4.2	1
<u>ART-7 (201201050299)</u>								Sampled on 01/04/2012 1025			
EPA 6010 - ICP Metals											
01/19/2012	23:23	633674	(EPA 6010)	Chromium Total ICAP	0.64	mg/L	0.00044	0.02	0.00088	2	

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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Laboratory Data
Report: 384959

Environ International Corp.

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Samples Received on:
01/05/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
EPA 314.0 - Perchlorate Sterile Filtered											
	01/11/2012	16:10	634005	(EPA 314.0)	Perchlorate	120000	ug/L	0.25	20000	1200	5000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:48	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8500	mg/L	4.2	10	4.2	1
<u>ART-8 (201201050300)</u>							Sampled on 01/04/2012 1030				
EPA 6010 - ICP Metals											
	01/19/2012	23:28	633674	(EPA 6010)	Chromium Total ICAP	0.20	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered											
	01/11/2012	16:33	634005	(EPA 314.0)	Perchlorate	210000	ug/L	0.25	20000	1200	5000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:49	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	9500	mg/L	4.2	10	4.2	1
<u>PC-99R2/R3 (201201050301)</u>							Sampled on 01/04/2012 1300				
EPA 6010 - ICP Metals											
	01/19/2012	23:33	633674	(EPA 6010)	Chromium Total ICAP	0.0051J	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered											
	01/11/2012	16:55	634005	(EPA 314.0)	Perchlorate	12000	ug/L	0.25	800	50	200
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:50	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4400	mg/L	4.2	10	4.2	1
<u>PC-115R (201201050302)</u>							Sampled on 01/04/2012 1255				

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(c) - indicates calculated results

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Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
EPA 6010 - ICP Metals										
01/19/2012	23:38	633674	(EPA 6010)	Chromium Total ICAP	0.0013J	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
01/11/2012	17:17	634005	(EPA 314.0)	Perchlorate	7900	ug/L	0.25	800	50	200
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/10/2012	01/10/2012	13:51	633708 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	3500	mg/L	4.2	10	4.2	1
<u>PC-116R (201201050303)</u>							Sampled on 01/04/2012 1250			
EPA 6010 - ICP Metals										
01/20/2012	00:08	633674	(EPA 6010)	Chromium Total ICAP	0.0021J	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
01/11/2012	17:40	634005	(EPA 314.0)	Perchlorate	11000	ug/L	0.25	800	50	200
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/10/2012	01/10/2012	13:52	633708 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	4400	mg/L	4.2	10	4.2	1
<u>SF-1 (201201050304)</u>							Sampled on 01/04/2012 1310			
EPA 6010 - ICP Metals										
01/20/2012	00:13	633674	(EPA 6010)	Chromium Total ICAP	0.012J	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
01/11/2012	18:02	634005	(EPA 314.0)	Perchlorate	6.1	ug/L	0.25	4	0.25	1
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/10/2012	01/10/2012	13:53	633708 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	5700	mg/L	4.2	10	4.2	1

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Samples Received on:
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Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
PC-117 (201201050305)							Sampled on 01/04/2012 1240				
EPA 6010 - ICP Metals											
01/20/2012	00:18	633674	(EPA 6010)	Chromium Total ICAP	0.0015J	mg/L	0.00044	0.02	0.00088	2	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	18:47	634005	(EPA 314.0)	Perchlorate	5400	ug/L	0.25	400	25	100	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:54	633708 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	3400	mg/L	4.2	10	4.2	1	
PC-118 (201201050306)							Sampled on 01/04/2012 1235				
EPA 6010 - ICP Metals											
01/19/2012	22:38	633674	(EPA 6010)	Chromium Total ICAP	0.00088J	mg/L	0.00044	0.01	0.00044	1	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	19:09	634005	(EPA 314.0)	Perchlorate	4000	ug/L	0.25	400	25	100	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:55	633708 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	3000	mg/L	4.2	10	4.2	1	
PC-119 (201201050307)							Sampled on 01/04/2012 1230				
EPA 6010 - ICP Metals											
01/19/2012	23:43	633674	(EPA 6010)	Chromium Total ICAP	0.00097J	mg/L	0.00044	0.01	0.00044	1	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	19:32	634005	(EPA 314.0)	Perchlorate	560	ug/L	0.25	200	12	50	

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Samples Received on:
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Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/10/2012	01/10/2012	13:56	633708	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2200(i)	mg/L	4.2	10	4.2	1
PC-120 (201201050308)							Sampled on 01/04/2012 1220				
EPA 6010 - ICP Metals											
01/20/2012	00:23	633674	(EPA 6010)	Chromium Total ICAP	0.0011J	mg/L	0.00044	0.02	0.00088	2	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	19:54	634005	(EPA 314.0)	Perchlorate	250	ug/L	0.25	80	5.0	20	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/11/2012	01/11/2012	17:23	633899	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2300	mg/L	4.2	10	4.2	1
PC-121 (201201050309)							Sampled on 01/04/2012 1215				
EPA 6010 - ICP Metals											
01/20/2012	00:28	633674	(EPA 6010)	Chromium Total ICAP	0.00090J	mg/L	0.00044	0.02	0.00088	2	
EPA 314.0 - Perchlorate Sterile Filtered											
01/11/2012	20:17	634005	(EPA 314.0)	Perchlorate	750	ug/L	0.25	80	5.0	20	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/11/2012	01/11/2012	17:24	633899	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2400	mg/L	4.2	10	4.2	1
PC-133 (201201050310)							Sampled on 01/04/2012 1245				
EPA 6010 - ICP Metals											
01/20/2012	00:33	633674	(EPA 6010)	Chromium Total ICAP	0.00098J	mg/L	0.00044	0.02	0.00088	2	

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(c) - indicates calculated results

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Samples Received on:
01/05/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
EPA 314.0 - Perchlorate Sterile Filtered										
	01/11/2012	20:39	634005	(EPA 314.0)	Perchlorate	820	ug/L	0.25	400	25 100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/11/2012	01/11/2012	17:25	633899	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2500	mg/L	4.2	10	4.2 1
<u>ART-9 (201201050311)</u>							Sampled on 01/04/2012 1035			
EPA 6010 - ICP Metals										
	01/20/2012	00:38	633674	(EPA 6010)	Chromium Total ICAP	1.3	mg/L	0.00044	0.02	0.00088 2
EPA 314.0 - Perchlorate Sterile Filtered										
	01/11/2012	21:01	634005	(EPA 314.0)	Perchlorate	310000	ug/L	0.25	40000	2500 10000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/11/2012	01/11/2012	17:26	633899	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	7000	mg/L	4.2	10	4.2 1



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Laboratory
QC Summary: 384959

Environ International Corp.

(continued)

201201050297	ART-4	Analyzed by: TLH
201201050298	ART-6	Analyzed by: TLH
201201050299	ART-7	Analyzed by: TLH
201201050300	ART-8	Analyzed by: TLH
201201050301	PC-99R2/R3	Analyzed by: TLH
201201050302	PC-115R	Analyzed by: TLH
201201050303	PC-116R	Analyzed by: TLH
201201050304	SF-1	Analyzed by: TLH
201201050305	PC-117	Analyzed by: TLH
201201050306	PC-118	Analyzed by: TLH
201201050307	PC-119	Analyzed by: TLH
201201050308	PC-120	Analyzed by: TLH
201201050309	PC-121	Analyzed by: TLH
201201050310	PC-133	Analyzed by: TLH
201201050311	ART-9	Analyzed by: TLH



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Laboratory
QC Report: 384959

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 633674 - ICP Metals by EPA 6010		Analysis Date: 01/19/2012							
LCS1	Chromium Total ICAP		1.0	1.03	mg/L	103	(85-115)		
LCS2	Chromium Total ICAP		1.0	1.03	mg/L	103	(85-115)	20	0.0
MBLK	Chromium Total ICAP			<0.01	mg/L				
MRL_CHK	Chromium Total ICAP		0.01	0.0113	mg/L	113	(50-150)		
MS_201201050306	Chromium Total ICAP	ND	1.0	0.995	mg/L	99	(70-130)		
MS2_201201050307	Chromium Total ICAP	ND	1.0	1.03	mg/L	102	(70-130)		
MSD_201201050306	Chromium Total ICAP	ND	1.0	0.997	mg/L	100	(70-130)	20	0.20
MSD2_201201050307	Chromium Total ICAP	ND	1.0	1.01	mg/L	101	(70-130)	20	2.0
QC Ref# 633708 - Total Dissolved Solids (TDS) by E160.1/SM2540C		Analysis Date: 01/10/2012							
DUP_201201040097	Total Dissolved Solid (TDS)	450		428	mg/L		(0-20)	20	4.6
DUP_201201070079	Total Dissolved Solid (TDS)	140		152	mg/L		(0-20)	20	5.4
LCS1	Total Dissolved Solid (TDS)		175	186	mg/L	106	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	710	mg/L	101	(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# 633848 - Perchlorate by EPA 314.0		Analysis Date: 01/10/2012							
LCS1	Perchlorate		25	26.4	ug/L	106	(85-115)		
LCS2	Perchlorate		25	25.0	ug/L	100	(85-115)	15	5.5
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.94	ug/L	98	(75-125)		
MS_201201040174	Perchlorate	ND	25	27.4	ug/L	98	(80-120)		
MSD_201201040174	Perchlorate	ND	25	27.5	ug/L	99	(80-120)	15	0.36
QC Ref# 633899 - Total Dissolved Solids (TDS) by E160.1/SM2540C		Analysis Date: 01/11/2012							
DUP_201201030025	Total Dissolved Solid (TDS)	700		706	mg/L		(0-20)	20	1.4
DUP_201201050074	Total Dissolved Solid (TDS)	670		642	mg/L		(0-20)	20	4.6
LCS1	Total Dissolved Solid (TDS)		175	188	mg/L	107	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	704	mg/L	101	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	12.0	mg/L	120	(50-150)		
QC Ref# 634005 - Perchlorate by EPA 314.0		Analysis Date: 01/11/2012							
LCS1	Perchlorate		25	27.1	ug/L	108	(85-115)		
LCS2	Perchlorate		25	27.0	ug/L	108	(85-115)	15	0.37
MBLK	Perchlorate			<4	ug/L				

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.

22/23

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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(continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Perchlorate		4.0	4.15	ug/L	104	(75-125)		
MS_201201050295	Perchlorate	59000	25	81400	ug/L	90	(80-120)		
MSD_201201050295	Perchlorate	59000	25	82200	ug/L	94	(80-120)	15	0.98

Spike recovery is already corrected for native results.

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23/23

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)