



MWH

LABORATORIES

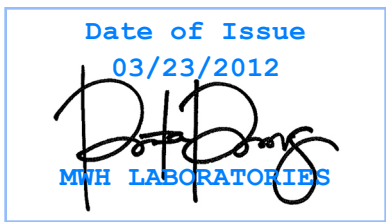
A Division of MWH Americas, Inc.

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#: 387923
Project: CWA-RCRA
Group: Quarterly CR6010
Testing

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

**MWH****LABORATORIES**

STATE CERTIFICATION LIST

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



Acknowledgement of Samples Received

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 #: 387923
Project: CWA-RCRA
Sample Group: Quarterly CR6010 Testing
Project Manager: Rita Reeves
Phone: 916-418-8358

The following samples were received from you on **February 09, 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>201202090316</u>	M-64	Feb 08, 2012 05:48
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201202090317</u>	M-97	Feb 08, 2012 06:18
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201202090318</u>	PC-148	Feb 08, 2012 08:08
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201202090319</u>	PC-149	Feb 08, 2012 08:52
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201202090320</u>	M-35	Feb 08, 2012 09:36
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201202090321</u>	M-19	Feb 08, 2012 10:40
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201202090322</u>	M-68	Feb 08, 2012 11:05
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201202090323</u>	M-67	Feb 08, 2012 12:33
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201202090324</u>	I-V	Feb 08, 2012 11:34

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 #: 387923
 Project: CWA-RCRA
 Sample Group: Quarterly CR6010 Testing
 Project Manager: Rita Reeves
 Phone: 916-418-8358

The following samples were received from you on **February 09, 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>201202090325</u>	Chromium Total ICAP RCRA	Feb 08, 2012 11:15
	Total Dissolved Solid (TDS)	
<u>201202090326</u>	Chromium Total ICAP RCRA	Feb 08, 2012 11:44
	Total Dissolved Solid (TDS)	
<u>201202090327</u>	Chromium Total ICAP RCRA	Feb 08, 2012 11:59
	Total Dissolved Solid (TDS)	
<u>201202090328</u>	Chromium Total ICAP RCRA	Feb 08, 2012 12:09
	Total Dissolved Solid (TDS)	
<u>201202090329</u>	Chromium Total ICAP RCRA	Feb 08, 2012 12:15
	Total Dissolved Solid (TDS)	
<u>201202090330</u>	Chromium Total ICAP RCRA	Feb 08, 2012 12:51
	PH (H3=past HT not compliant)	
<u>201202090331</u>	Chromium Total ICAP RCRA	Feb 08, 2012 13:20
	Total Dissolved Solid (TDS)	

Test Description



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

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: AW

SAMPLE TEMP, RECEIPT AT LAB: 2.6°C

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

307923

TO BE COMPLETED BY SAMPLER: COMPANY / PROJECT NAME: Nevada Environmental Response Trust
Sampler: Michele Brown
PROJECT JOB # / P.O.#: Quaternary Groundwater Sampling
Schedule B CWA-RCRA
REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)						SAMPLER Comments
							PH	TDS	CR	CL04	Sterile CL04	CRM	
578A	2-8-12		M-64	RGW	X		X	X	X	X	X		Bottles
618A	2-8-12		M-97	RGW	X		X	X	X	X	X		Bottles
808A	2-8-12		PC-148	RGW	X		X	X	X	X	X		Bottles
852A	2-8-12		PC-149	RGW	X		X	X	X	X	X		Bottles
924A	2-8-12		M-35	RGW	X		X	X	X	X	X		Bottles
1040A	2-8-12		M-19	RGW	X		X	X	X	X	X		Bottles
1052A	2-8-12		M-68	RGW	X		X	X	X	X	X		Bottles
1232A	2-8-12		M-67	RGW	X		X	X	X	X	X		Bottles
1134A	2-8-12		I-V	RGW	X		X	X	X	X	X		Bottles
1154A	2-8-12		I-K	RGW	X		X	X	X	X	X		Bottles
1144A	2-8-12		I-I	RGW	X		X	X	X	X	X		Bottles
1159K	2-8-12		I-Z	RGW	X		X	X	X	X	X		Bottles

Reported by Volume: CFW = Chlor(am)inated Finished Water FW = Other Finished Water
Reported by Weight: SO = Soil SL = Sludge
CW = Chlorinated Waste Water WW = Other Waste Water SW = Storm Water
RGW = Raw Ground Water RSW = Raw Surface 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	2-8-12	12:00PM
RELINQUISHED BY:	<i>Michele Brown</i>	Michele Brown	MWH	2-9-12	12:00
RECEIVED BY:					

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 #: 45161
 Created By: AutoGenerated
 Order Date: 05/16/2011
 STG: Bottle Orders

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

Ship By:
 05/01/2011

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

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

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

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

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

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

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

Comments

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

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

March 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 February 09, 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

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

Laboratory Comments
Report: #387923



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Laboratory Data
Report: 387923

Environ International Corp.

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

Samples Received on:
02/09/2012

Table with columns: Prepared, Analyzed, QC Ref #, Method, Analyte, Result, Units, MDL, MRL, SQL, Dilution. Includes sections for M-64, M-97, and PC-148 with various test results for EPA 6010, EPA 314.0, and EPA 9040.

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

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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Laboratory Data
Report: 387923

Environ International Corp.

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

Samples Received on:
02/09/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
	03/15/2012	18:55	643884 (EPA 6010)	Chromium Total ICAP	0.13	mg/L	0.00044	0.05	0.0022	5
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012	11:57	639525 (EPA 314.0)	Perchlorate	31000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/13/2012	02/14/2012	12:23	638995 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	7200	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/10/2012	14:31	638889 (EPA 9040)	PH (H3=past HT not compliant)	7.7	Units	0.10	0.1	0.10	1
<u>PC-149 (201202090319)</u>							Sampled on 02/08/2012 0852			
EPA 6010 - ICP Metals										
	03/15/2012	18:58	643884 (EPA 6010)	Chromium Total ICAP	0.015J	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012	12:19	639525 (EPA 314.0)	Perchlorate	20000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/13/2012	02/14/2012	12:24	638995 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	4000	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/10/2012	14:35	638889 (EPA 9040)	PH (H3=past HT not compliant)	7.5	Units	0.10	0.1	0.10	1
<u>M-35 (201202090320)</u>							Sampled on 02/08/2012 0936			
EPA 6010 - ICP Metals										
	03/15/2012	19:01	643884 (EPA 6010)	Chromium Total ICAP	4.8	mg/L	0.00044	0.05	0.0022	5
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012	18:17	639528 (EPA 314.0)	Perchlorate	190000	ug/L	0.25	20000	1200	5000

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

11/21

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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Laboratory Data
Report: 387923

Environ International Corp.

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

Samples Received on:
02/09/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/13/2012	02/14/2012	12:25 638995	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4500	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/10/2012	14:40 638889	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1
<u>M-19 (201202090321)</u>							Sampled on 02/08/2012 1040			
EPA 6010 - ICP Metals										
	03/15/2012	19:04 643884	(EPA 6010)	Chromium Total ICAP	0.47	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
	02/28/2012	16:16 641244	(EPA 314.0)	Perchlorate	6600	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/13/2012	02/14/2012	12:26 638995	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5400(i)	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/10/2012	14:44 638889	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1
<u>M-68 (201202090322)</u>							Sampled on 02/08/2012 1105			
EPA 6010 - ICP Metals										
	03/15/2012	19:07 643884	(EPA 6010)	Chromium Total ICAP	1.2	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012	19:02 639528	(EPA 314.0)	Perchlorate	87000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/14/2012	02/14/2012	22:52 639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5900	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										

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

12/21

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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**Laboratory Data
Report: 387923**

Environ International Corp.

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

Samples Received on:
02/09/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
	02/10/2012 14:49	638889	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1

M-67 (201202090323)

Sampled on 02/08/2012 1233

EPA 6010 - ICP Metals

03/15/2012 19:46	639820	(EPA 6010)	Chromium Total ICAP	5.8	mg/L	0.00044	0.05	0.0022	5
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EPA 314.0 - Perchlorate Sterile Filtered

02/23/2012 19:25	639528	(EPA 314.0)	Perchlorate	300000	ug/L	0.25	40000	2500	10000
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E160.1/SM2540C - Total Dissolved Solid (TDS)

2/14/2012 02/14/2012 22:53	639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5500	mg/L	4.2	10	4.2	1
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EPA 9040 - PH by EPA 9040

02/10/2012 14:53	638889	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1
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I-V (201202090324)

Sampled on 02/08/2012 1134

EPA 6010 - ICP Metals

03/15/2012 19:49	639820	(EPA 6010)	Chromium Total ICAP	18	mg/L	0.00044	0.2	0.0088	20
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EPA 314.0 - Perchlorate Sterile Filtered

02/23/2012 19:47	639528	(EPA 314.0)	Perchlorate	1400000	ug/L	0.25	80000	5000	20000
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E160.1/SM2540C - Total Dissolved Solid (TDS)

2/14/2012 02/14/2012 22:54	639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	11000	mg/L	4.2	10	4.2	1
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EPA 9040 - PH by EPA 9040

02/13/2012 14:42	639054	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1
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I-K (201202090325)

Sampled on 02/08/2012 1115

EPA 6010 - ICP Metals

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

13/21

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Samples Received on:
02/09/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
	03/15/2012 19:52	639820	(EPA 6010)	Chromium Total ICAP	1.3	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012 20:32	639528	(EPA 314.0)	Perchlorate	110000	ug/L	0.25	20000	1200	5000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/14/2012	02/14/2012 22:55	639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5500	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/13/2012 14:50	639054	(EPA 9040)	PH (H3=past HT not compliant)	7.4	Units	0.10	0.1	0.10	1
<u>I-I (201202090326)</u>							Sampled on 02/08/2012 1144			
EPA 6010 - ICP Metals										
	03/15/2012 20:04	639820	(EPA 6010)	Chromium Total ICAP	14	mg/L	0.00044	0.2	0.0088	20
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012 20:54	639528	(EPA 314.0)	Perchlorate	710000	ug/L	0.25	40000	2500	10000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/14/2012	02/14/2012 22:56	639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8300	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/13/2012 14:54	639054	(EPA 9040)	PH (H3=past HT not compliant)	7.9	Units	0.10	0.1	0.10	1
<u>I-Z (201202090327)</u>							Sampled on 02/08/2012 1159			
EPA 6010 - ICP Metals										
	03/15/2012 20:07	639820	(EPA 6010)	Chromium Total ICAP	8.3	mg/L	0.00044	0.1	0.0044	10
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012 21:17	639528	(EPA 314.0)	Perchlorate	340000	ug/L	0.25	40000	2500	10000

Rounding on totals after summation.
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14/21

Sample Quantitation Limit (SQL) =
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Report: 387923

Environ International Corp.

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

Samples Received on:
02/09/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/14/2012	02/14/2012	22:57 639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6400	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/13/2012	14:58 639054	(EPA 9040)	PH (H3=past HT not compliant)	7.7	Units	0.10	0.1	0.10	1
<u>I-J (201202090328)</u>							Sampled on 02/08/2012 1209			
EPA 6010 - ICP Metals										
	03/15/2012	20:10 639820	(EPA 6010)	Chromium Total ICAP	2.7	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012	21:39 639528	(EPA 314.0)	Perchlorate	250000	ug/L	0.25	40000	2500	10000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/14/2012	02/14/2012	22:58 639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5900	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/13/2012	15:02 639054	(EPA 9040)	PH (H3=past HT not compliant)	7.5	Units	0.10	0.1	0.10	1
<u>FB-1 (201202090329)</u>							Sampled on 02/08/2012 1215			
EPA 6010 - ICP Metals										
	03/15/2012	19:36 639820	(EPA 6010)	Chromium Total ICAP	ND	mg/L	0.00044	0.01	0.00044	1
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012	22:01 639528	(EPA 314.0)	Perchlorate	1.2J	ug/L	0.25	4	0.25	1
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/14/2012	02/14/2012	22:59 639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	10	mg/L	4.2	10	4.2	1

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

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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**Laboratory Data
Report: 387923**

Environ International Corp.

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

Samples Received on:
02/09/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
	02/13/2012 15:07	639054	(EPA 9040)	PH (H3=past HT not compliant)	4.1	Units	0.10	0.1	0.10	1
EPA 7196 - CRVI 7196										
	02/10/2012 12:16	638492	(EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/L	0.0035	0.005	0.0035	1
<u>M-74 (201202090330)</u>							Sampled on 02/08/2012 1251			
EPA 6010 - ICP Metals										
	03/15/2012 20:13	639820	(EPA 6010)	Chromium Total ICAP	0.99	mg/L	0.00044	0.02	0.00088	2
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012 22:24	639528	(EPA 314.0)	Perchlorate	76000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/14/2012	02/14/2012 23:00	639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5700	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/13/2012 15:12	639054	(EPA 9040)	PH (H3=past HT not compliant)	7.5	Units	0.10	0.1	0.10	1
<u>M-73 (201202090331)</u>							Sampled on 02/08/2012 1320			
EPA 6010 - ICP Metals										
	03/15/2012 20:16	639820	(EPA 6010)	Chromium Total ICAP	7.9	mg/L	0.00044	0.1	0.0044	10
EPA 314.0 - Perchlorate Sterile Filtered										
	02/23/2012 22:46	639528	(EPA 314.0)	Perchlorate	470000	ug/L	0.25	40000	2500	10000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
2/14/2012	02/14/2012 23:03	639141	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6100	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	02/13/2012 15:17	639054	(EPA 9040)	PH (H3=past HT not compliant)	7.5	Units	0.10	0.1	0.10	1

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

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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**Laboratory
QC Summary: 387923**

Environ International Corp.

QC Ref # 638492 - Hexavalent Chromium by EPA 7196

201202090329 FB-1

Analysis Date: 02/10/2012

Analyzed by: KXS

QC Ref # 638889 - PH (H3=past HT not compliant)

201202090316 M-64
201202090317 M-97
201202090318 PC-148
201202090319 PC-149
201202090320 M-35
201202090321 M-19
201202090322 M-68
201202090323 M-67

Analysis Date: 02/10/2012

Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP

QC Ref # 638995 - Total Dissolved Solids (TDS)

201202090316 M-64
201202090317 M-97
201202090318 PC-148
201202090319 PC-149
201202090320 M-35
201202090321 M-19

Analysis Date: 02/14/2012

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

QC Ref # 639054 - PH (H3=past HT not compliant)

201202090324 I-V
201202090325 I-K
201202090326 I-I
201202090327 I-Z
201202090328 I-J
201202090329 FB-1
201202090330 M-74
201202090331 M-73

Analysis Date: 02/13/2012

Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP
Analyzed by: CYP

QC Ref # 639141 - Total Dissolved Solids (TDS)

201202090322 M-68
201202090323 M-67
201202090324 I-V
201202090325 I-K
201202090326 I-I
201202090327 I-Z
201202090328 I-J
201202090329 FB-1
201202090330 M-74
201202090331 M-73

Analysis Date: 02/14/2012

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

QC Ref # 639525 - Perchlorate

201202090316 M-64
201202090317 M-97
201202090318 PC-148
201202090319 PC-149

Analysis Date: 02/23/2012

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



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Laboratory
QC Summary: 387923

Environ International Corp.

(continued)

QC Ref # 639528 - Perchlorate

201202090320	M-35
201202090322	M-68
201202090323	M-67
201202090324	I-V
201202090325	I-K
201202090326	I-I
201202090327	I-Z
201202090328	I-J
201202090329	FB-1
201202090330	M-74
201202090331	M-73

Analysis Date: 02/23/2012

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

QC Ref # 639820 - ICP Metals

201202090323	M-67
201202090324	I-V
201202090325	I-K
201202090326	I-I
201202090327	I-Z
201202090328	I-J
201202090329	FB-1
201202090330	M-74
201202090331	M-73

Analysis Date: 03/15/2012

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

QC Ref # 641244 - Perchlorate

201202090321	M-19
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Analysis Date: 02/28/2012

Analyzed by: LUPE

QC Ref # 643884 - ICP Metals

201202090316	M-64
201202090317	M-97
201202090318	PC-148
201202090319	PC-149
201202090320	M-35
201202090321	M-19
201202090322	M-68

Analysis Date: 03/15/2012

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



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Laboratory
QC Report: 387923

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 638492 - Hexavalent Chromium by EPA 7196 by EPA 7196					Analysis Date: 02/10/2012				
LCS1	Hexavalent chromium (Cr VI)		0.05	0.0510	mg/L	102	(85-115)		
LCS2	Hexavalent chromium (Cr VI)		0.05	0.0500	mg/L	100	(85-115)		
MBLK	Hexavalent chromium (Cr VI)			<0.005	mg/L				
MRL_CHK	Hexavalent chromium (Cr VI)		0.005	0.00300	mg/L	60	(50-150)		
MS_201202130131	Hexavalent chromium (Cr VI)	0.012	0.05	0.0150	mg/L	<u>6</u>	(85-115)		
MSD_201202130131	Hexavalent chromium (Cr VI)	0.012	0.05	0.0200	mg/L	<u>16</u>	(85-115)	20	<u>29</u>
QC Ref# 638889 - PH (H3=past HT not compliant) by EPA 9040					Analysis Date: 02/10/2012				
DUP_201202080361	PH (H3=past HT not compliant)	7.5		7.46	Units		(0-20)	20	0.93
DUP_201202080371	PH (H3=past HT not compliant)			4.02	Units		(0-20)	20	3.4
LCS1	PH (H3=past HT not compliant)		6.0	5.96	Units	99	(98-102)		
LCS2	PH (H3=past HT not compliant)		6.0	6.00	Units	100	(98-102)	20	0.67
QC Ref# 638995 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 02/14/2012				
DUP_201202080366	Total Dissolved Solid (TDS)	3300		3310	mg/L		(0-20)	20	0.72
DUP_201202080367	Total Dissolved Solid (TDS)	3100		3020	mg/L		(0-20)	20	3.8
LCS1	Total Dissolved Solid (TDS)		175	168	mg/L	96	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	676	mg/L	97	(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# 639054 - PH (H3=past HT not compliant) by EPA 9040					Analysis Date: 02/13/2012				
DUP_201202080371	PH (H3=past HT not compliant)	4.1		4.16	Units		(0-20)	20	2.2
DUP_201202090324	PH (H3=past HT not compliant)	7.6		7.65	Units		(0-20)	20	0.39
LCS1	PH (H3=past HT not compliant)		6.0	5.96	Units	99	(98-102)		
LCS2	PH (H3=past HT not compliant)		6.0	6.00	Units	100	(98-102)	20	0.67
QC Ref# 639141 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 02/14/2012				
DUP_201202110151	Total Dissolved Solid (TDS)	2800		2780	mg/L		(0-20)	20	0.36
DUP_201202110184	Total Dissolved Solid (TDS)	1700		1630	mg/L		(0-20)	20	2.4
LCS1	Total Dissolved Solid (TDS)		175	172	mg/L	98	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	700	mg/L	100	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	13.0	mg/L	130	(50-150)		
QC Ref# 639525 - Perchlorate by EPA 314.0					Analysis Date: 02/23/2012				
LCS1	Perchlorate		25	25.4	ug/L	102	(85-115)		

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.

19/21

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: 387923

Environ International Corp.
(continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Perchlorate		25	25.8	ug/L	103	(85-115)	15	1.6
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.91	ug/L	98	(75-125)		
MS_201202100273	Perchlorate	18	25	43.3	ug/L	103	(80-120)		
MSD_201202100273	Perchlorate	18	25	42.1	ug/L	98	(80-120)	15	2.8
QC Ref# 639528 - Perchlorate by EPA 314.0					Analysis Date: 02/23/2012				
LCS1	Perchlorate		25	24.2	ug/L	97	(85-115)		
LCS2	Perchlorate		25	25.1	ug/L	100	(85-115)	15	3.6
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.73	ug/L	93	(75-125)		
MS_201202100316	Perchlorate	ND	25	26.2	ug/L	105	(80-120)		
MSD_201202100316	Perchlorate	ND	25	25.7	ug/L	103	(80-120)	15	1.9
QC Ref# 639820 - ICP Metals by EPA 6010					Analysis Date: 03/15/2012				
LCS1	Chromium Total ICAP		1.0	1.05	mg/L	105	(85-115)		
LCS2	Chromium Total ICAP		1.0	1.05	mg/L	105	(85-115)	20	0.0
MBLK	Chromium Total ICAP			<0.01	mg/L				
MRL_CHK	Chromium Total ICAP		0.01	0.0115	mg/L	115	(50-150)		
MS_201202090329	Chromium Total ICAP	ND	1.0	1.06	mg/L	106	(70-130)		
MS2_201202110184	Chromium Total ICAP	0.40	1.0	1.35	mg/L	95	(70-130)		
MSD_201202090329	Chromium Total ICAP	ND	1.0	1.07	mg/L	107	(70-130)	20	0.94
MSD2_201202110184	Chromium Total ICAP	0.40	1.0	1.37	mg/L	97	(70-130)	20	1.5
QC Ref# 641244 - Perchlorate by EPA 314.0					Analysis Date: 02/28/2012				
LCS1	Perchlorate		25	24.5	ug/L	98	(85-115)		
LCS2	Perchlorate		25	25.3	ug/L	101	(85-115)	15	3.2
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.2	ug/L	80	(75-125)		
MS_201202140426	Perchlorate	ND	25	29.3	ug/L	112	(80-120)		
MSD_201202140426	Perchlorate	ND	25	28.6	ug/L	109	(80-120)	15	2.4
QC Ref# 643884 - ICP Metals by EPA 6010					Analysis Date: 03/15/2012				
LCS1	Chromium Total ICAP		1.0	1.05	mg/L	105	(85-115)		
LCS2	Chromium Total ICAP		1.0	1.06	mg/L	106	(85-115)	20	0.95
MBLK	Chromium Total ICAP			<0.01	mg/L				
MRL_CHK	Chromium Total ICAP		0.01	0.0112	mg/L	112	(50-150)		

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.

20/21

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: 387923

Environ International Corp.
(continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201202080367	Chromium Total ICAP	0.078	1.0	1.08	mg/L	100	(70-130)		
MSD_201202080367	Chromium Total ICAP	0.078	1.0	1.05	mg/L	97	(70-130)	20	2.8

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.

21/21

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)