



**MWH**

**LABORATORIES**

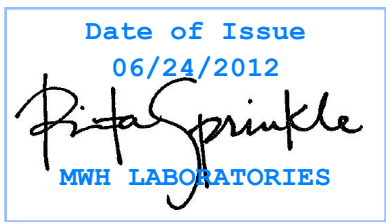
*A Division of MWH Americas, Inc.*

750 Royal Oak Dr., Suite 100  
Monrovia, California, 91016-3629  
Tel: 626 386 1100  
Fax: 626 386 1101  
1 800 566 LABS (1 800 566 5227)

## Laboratory Report

for

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



RSR: Rita S. Sprinkle  
Project Manager



01114CA

Report: 397885  
Project: CWA-RCRA  
Group: NERT

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

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

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



**Acknowledgement of Samples Received**

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

Client ID: ENVIRON-NVTRUST  
Folder #: 397885  
Project: CWA-RCRA  
Sample Group: NERT  
Project Manager: Rita S. Sprinkle  
Phone: 916-418-8358

The following samples were received from you on **May 24, 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>201205250270</u>	M-120	05/21/2012 1027
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250271</u>	M-118	05/21/2012 1110
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250272</u>	M-121	05/21/2012 1153
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250273</u>	TR-10	05/21/2012 1235
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250274</u>	TR-9	05/21/2012 1314
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250275</u>	M-117	05/21/2012 1400
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250276</u>	M-103	05/21/2012 1442
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250277</u>	E-EB-1	05/21/2012 1525
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250278</u>	M-161	05/21/2012 1559
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250279</u>	TR-2	05/22/2012 0650
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250280</u>	TR-1	05/22/2012 0717
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250281</u>	TR-3	05/22/2012 0801
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250282</u>	TR-4	05/22/2012 0831
	Chromium Total ICAP RCRA	Perchlorate
		Total Dissolved Solid (TDS)
<u>201205250283</u>	TR-6	05/22/2012 0919



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Phoenix, AZ 85016  
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Project: CWA-RCRA  
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Phone: 916-418-8358

The following samples were received from you on **May 24, 2012**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample #	Sample ID	Sample Date
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250284</u>	TR-5	05/22/2012 0954
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250285</u>	TR-8	05/22/2012 1110
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250286</u>	TR-7	05/22/2012 1157
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250287</u>	ED-1	05/22/2012 1205
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250288</u>	M-150	05/22/2012 1344
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250289</u>	E-EB-2	05/22/2012 1401
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250290</u>	M-154	05/22/2012 1449
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250291</u>	M-162	05/23/2012 0720
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	
<u>201205250292</u>	M-163	05/23/2012 0805
	Chromium Total ICAP RCRA      Perchlorate      Total Dissolved Solid (TDS)	

**Test Description**

6001 Shellmound Street, Suite 700  
 Emeryville, California 94608  
 (510) 655-7400  
 (510) 655-9517 (fax)

PROJECT NAME / FACILITY ID: NERT FIELD PERSON: E. Post, C. Ritchie  
 PROJECT NUMBER: 2129100 609 DATE: 5/22/12 PROJECT MANAGER: C. Ritchie  
 PROJECT LOCATION: Henderson, NV LABORATORY: MWH

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: \_\_\_\_\_ WO#: \_\_\_\_\_

SAMPLER: SIGNATURE:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH	MATRIX (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED		COMMENTS	
									USEPA 317.0 Total Chromium by gold	TDS by 2540		
M-120 <i>Elise Post</i>	5/21	1027	-	-	W	4	F/U	N/NO	X	X	CALL ELISE POST	
M-118	5/21	1110	-	-	W	4	F/U	N/NO	X	X	w/ QUESTIONS @	
M-121	5/21	1153	-	-	W	4	F/U	N/NO	X	X	626 808 6445	
TR-10	5/21	1235	-	-	W	4	F/U	N/NO	X	X		
TR-9	5/21	1314	-	-	W	4	F/U	N/NO	X	X		
M-117	5/21	1400	-	-	W	4	F/U	N/NO	X	X	* ANALYZE STEADY -	
M-103	5/21	1442	-	-	W	4	F/U	N/NO	X	X	FILTERED RECOMPARE	
E-EB-1	5/21	1525	-	-	W	4	F/U	N/NO	X	X	HOLD UNFILTERED	
M-161	5/21	1559	-	-	W	4	F/U	N/NO	X	X	TECHNOLOGY BOTTLE	
TR-2	5/22	0650	-	-	W	4	F/U	N/NO	X	X		
TOTAL			X	X	X	40	X	X	X	10	10	

RELINQUISHED BY: Elise Post TIME/DATE: 1730 5/23/12 RECEIVED BY: Fedex TIME/DATE: 1730 5/23/12  
 RELINQUISHED BY: \_\_\_\_\_ TIME/DATE: \_\_\_\_\_ RECEIVED BY: M. DE MESA TIME/DATE: 5-24-12  
 RELINQUISHED BY: \_\_\_\_\_ TIME/DATE: \_\_\_\_\_ RECEIVED BY: MWH TIME/DATE: 1133

TURNAROUND TIME (CIRCLE ONE) SAMEDAY 72 HOURS  
 24 HOURS 5 DAYS  
 48 HOURS NORMAL

IF SEALED, SEAL INTEGRITY: \_\_\_\_\_ INTACT: Y N

PROJECT NAME / FACILITY ID: NERT FIELD PERSON: E. Post, C. Ritchie  
 PROJECT NUMBER: 2129100 G09 DATE: 5/22/12 PROJECT MANAGER: C. Ritchie  
 PROJECT LOCATION: Henderson, NV LABORATORY: MWH

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: \_\_\_\_\_ WO#: \_\_\_\_\_

SAMPLER: SIGNATURE: <u>E. Post</u>	SAMPLE I.D. NUMBER	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH	MATRIX (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED			COMMENTS
										PERCHLORATE* by USEPA 314.0	Total Chromium by 6010	TDS by 2540	
	TR-1	5/22	0717	-	-	W	4	F/U	N/NO	X	X	X	CALL ELISE POST
	TR-3	5/22	0801	-	-	W	4	F/U	N/NO	X	X	X	W/ QUESTIONS
	TR-4	5/22	0831	-	-	W	4	F/U	N/NO	X	X	X	626 808 6445
	TR-6	5/22	0919	-	-	W	4	F/U	N/NO	X	X	X	*ANALYZE STERILE-
	TR-5	5/22	0954	-	-	W	4	F/U	N/NO	X	X	X	FILTERED PERCHLORATE
	TR-8	5/22	1110	-	-	W	4	F/U	N/NO	X	X	X	HOLD UNFILTERED
	TR-7	5/22	1157	-	-	W	4	F/U	N/NO	X	X	X	PERCHLORATE BOTTLE
	ED-1	5/22	1205	-	-	W	4	F/U	N/NO	X	X	X	
	M-150	5/22	1344	-	-	W	4	F/U	N/NO	X	X	X	
	<b>TOTAL</b>						36			9	9	9	

RECEIVED BY: E. Post TIME/DATE: 1730 5/23/12  
 (COMPANY): Fedex  
 RECEIVED BY: [Signature] TIME/DATE: 1233 5/24/12  
 (COMPANY): [Signature]  
 RECEIVED BY: \_\_\_\_\_ TIME/DATE: \_\_\_\_\_  
 (COMPANY): \_\_\_\_\_

TURNAROUND TIME (CIRCLE ONE) 24 HOURS 48 HOURS 72 HOURS  
 SAMPLE INTEGRITY INTACT: Y N Temp: 3.0  
 IF SEALED, SEAL INTEGRITY INTACT: Y N

6001 Shellmound Street, Suite 700  
Emeryville, California 94608  
(510) 655-7400  
(510) 655-9517 (fax)

PROJECT NAME / FACILITY ID: NERT FIELD PERSON: E. Post  
 PROJECT NUMBER: 2129100 G09 DATE: 5/22/12 PROJECT MANAGER: C. Ritchie  
 PROJECT LOCATION: Henderson, NV LABORATORY: MWH

IS THIS A UST PROJECT OR IS EDF REQUIRED?  Y  N IF YES, GLOBAL ID #: \_\_\_\_\_ WO#: \_\_\_\_\_

SAMPLER: SIGNATURE: <u>E. Post</u> <u>Elise Post</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH	MATRIX (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED			COMMENTS							
									US EPA 314.B	Total Chromium by 6010	TDS by 2540								
E-EB-2	5/22	1401	-		W	4	F/U	N/NO	X	X	X	CALL ELISE POST							
M-154	5/22	1449	-		W	4	F/U	N/NO	X	X	X	w/ QUESTIONS							
M-162	5/23	0720	-		W	4	F/U	N/ND	X	X	X	@ 626 808 6445							
M-163	5/23	0805	-		W	4	F/U	N/ND	X	X	X	*ANALYZE STERILE- FILTERED PERCHLORATE							
<u>ECP 5/22/12</u>																			
TOTAL									X	X	X	16	X	X	X	X	X	X	X

RELINQUISHED BY: Elise Post TIME/DATE: 1730 5/23/12 RECEIVED BY: Fedex TIME/DATE: 1730 5/23/12  
 RELINQUISHED BY: \_\_\_\_\_ TIME/DATE: \_\_\_\_\_ RECEIVED BY: Wang TIME/DATE: 5-24-12 1140  
 RELINQUISHED BY: \_\_\_\_\_ TIME/DATE: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ TIME/DATE: \_\_\_\_\_

TURNAROUND TIME (CIRCLE ONE) SAME DAY 72 HOURS  
 24 HOURS 5 DAYS  
 48 HOURS NORMAL

IF SEALED, SEAL INTEGRITY:  Y  N INTACT:  Y  N  
 SAMPLE INTEGRITY:  Y  N Temp: 2.6°C

June 24, 2012

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

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on May 24, 2012 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:

For the MWH Laboratories data the following issues were observed:

Other Observations:

There were no unusual observations on this sample set.

Sincerely,



Rita S. Sprinkle  
Project Manager





**MWH**

**LABORATORIES**

*A Division of MWH Americas, Inc.*

750 Royal Oak Dr., Suite 100  
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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.  
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Phoenix, AZ 85016

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**Laboratory Comments**  
**Report: #397885**



# MWH

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Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

Laboratory Data  
Report: 397885

### Environ International Corp.

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

Samples Received on:  
05/24/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<b><u>M-120 (201205250270)</u></b>							<b>Sampled on 05/21/2012 1027</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	19:41 658867	(EPA 6010)	Chromium Total ICAP	0.0056J	mg/L	0.00044	0.02	0.00088	2	
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	00:00 657647	(EPA 314.0)	Perchlorate	61	ug/L	0.25	20	1.2	5	
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	20:46 655420	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	1900 <sub>(J)</sub>	mg/L	4.2	10	4.2	1	
<b><u>M-118 (201205250271)</u></b>							<b>Sampled on 05/21/2012 1110</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	19:44 658867	(EPA 6010)	Chromium Total ICAP	0.023	mg/L	0.00044	0.02	0.00088	2	
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	00:22 657647	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1	
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:05 655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	760	mg/L	4.2	10	4.2	1	
<b><u>M-121 (201205250272)</u></b>							<b>Sampled on 05/21/2012 1153</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	19:47 658867	(EPA 6010)	Chromium Total ICAP	0.11	mg/L	0.00044	0.02	0.00088	2	
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	00:44 657647	(EPA 314.0)	Perchlorate	2600	ug/L	0.25	200	12	50	
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:07 655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2800	mg/L	4.2	10	4.2	1	
<b><u>TR-10 (201205250273)</u></b>							<b>Sampled on 05/21/2012 1235</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	19:50 658867	(EPA 6010)	Chromium Total ICAP	0.13	mg/L	0.00044	0.02	0.00088	2	
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	01:07 657647	(EPA 314.0)	Perchlorate	2800	ug/L	0.25	400	25	100	
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:08 655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2000	mg/L	4.2	10	4.2	1	
<b><u>TR-9 (201205250274)</u></b>							<b>Sampled on 05/21/2012 1314</b>				

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

Rounding on totals after summation.

(c) - Indicates calculated results.

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



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Laboratory Data
Report: 397885

Environ International Corp.

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

Samples Received on:
05/24/2012

Table with columns: Prepared, Analyzed, QC Ref #, Method, Analyte, Result, Units, MDL, MRL, SQL, Dilution. Contains multiple rows for EPA 6010, EPA 314.0, and E160.1/SM2540C tests, along with sample IDs M-117, M-103, E-EB-1, and M-161.

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: 397885

### Environ International Corp.

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1702 E. Highland Ave.  
Suite 412  
Phoenix, AZ 85016

Samples Received on:  
05/24/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	02:59	657647	(EPA 314.0)	Perchlorate	23	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:12	655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	570	mg/L	4.2	10	4.2	1
<b><u>TR-2 (201205250279)</u></b>							<b>Sampled on 05/22/2012 0650</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	20:00	658867	(EPA 6010)	Chromium Total ICAP	0.021	mg/L	0.00044	0.01	0.00044	1
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	05:36	657648	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:13	655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	580	mg/L	4.2	10	4.2	1
<b><u>TR-1 (201205250280)</u></b>							<b>Sampled on 05/22/2012 0717</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	20:23	658867	(EPA 6010)	Chromium Total ICAP	0.017J	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	06:43	657648	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:14	655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	740	mg/L	4.2	10	4.2	1
<b><u>TR-3 (201205250281)</u></b>							<b>Sampled on 05/22/2012 0801</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	20:26	658867	(EPA 6010)	Chromium Total ICAP	0.016J	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	07:05	657648	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:15	655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	670	mg/L	4.2	10	4.2	1
<b><u>TR-4 (201205250282)</u></b>							<b>Sampled on 05/22/2012 0831</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	20:30	658867	(EPA 6010)	Chromium Total ICAP	0.025	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	07:28	657648	(EPA 314.0)	Perchlorate	1.3J	ug/L	0.25	4	0.25	1

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

Rounding on totals after summation.

(c) - Indicates calculated results.

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



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Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Data
Report: 397885

Environ International Corp.

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

Samples Received on:
05/24/2012

Table with columns: Prepared, Analyzed, QC Ref #, Method, Analyte, Result, Units, MDL, MRL, SQL, Dilution. Contains multiple rows for different analytes like Total Dissolved Solid (TDS), Chromium Total ICAP, and Perchlorate, with various dates and results.

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



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Laboratory Data  
Report: 397885

### Environ International Corp.

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

Samples Received on:  
05/24/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<b>ED-1 (201205250287)</b>							<b>Sampled on 05/22/2012 1205</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	23:46	658869	(EPA 6010)	Chromium Total ICAP	0.013J	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	09:37	657648	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:22	655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	820	mg/L	4.2	10	4.2	1
<b>M-150 (201205250288)</b>							<b>Sampled on 05/22/2012 1344</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	23:50	658869	(EPA 6010)	Chromium Total ICAP	0.038	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	09:59	657648	(EPA 314.0)	Perchlorate	170	ug/L	0.25	20	1.2	5
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:23	655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	540	mg/L	4.2	10	4.2	1
<b>E-EB-2 (201205250289)</b>							<b>Sampled on 05/22/2012 1401</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	23:53	658869	(EPA 6010)	Chromium Total ICAP	0.0014J	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	11:29	657648	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:26	655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5.0J <sub>0</sub>	mg/L	4.2	10	4.2	1
<b>M-154 (201205250290)</b>							<b>Sampled on 05/22/2012 1449</b>				
<b>EPA 6010 - ICP Metals</b>											
5/29/2012	06/18/2012	23:57	658869	(EPA 6010)	Chromium Total ICAP	0.036	mg/L	0.00044	0.02	0.00088	2
<b>EPA 314.0 - Perchlorate</b>											
	06/12/2012	11:51	657648	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>											
5/25/2012	05/27/2012	22:24	655423	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	560	mg/L	4.2	10	4.2	1
<b>M-162 (201205250291)</b>							<b>Sampled on 05/23/2012 0720</b>				

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

Rounding on totals after summation.

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**Laboratory Data**  
**Report: 397885**

### Environ International Corp.

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

Samples Received on:  
05/24/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
<b>EPA 6010 - ICP Metals</b>										
5/29/2012	06/19/2012	00:00	658869	(EPA 6010)	Chromium Total ICAP	0.023	mg/L	0.00044	0.02	0.00088 2
<b>EPA 314.0 - Perchlorate</b>										
	06/13/2012	17:34	658269	(EPA 314.0)	Perchlorate	3000	ug/L	0.25	400	25 100
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>										
5/29/2012	05/30/2012	22:20	655821	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	550	mg/L	4.2	10	4.2 1
<b><u>M-163 (201205250292)</u></b>							<b>Sampled on 05/23/2012 0805</b>			
<b>EPA 6010 - ICP Metals</b>										
5/29/2012	06/18/2012	23:28	658869	(EPA 6010)	Chromium Total ICAP	0.028	mg/L	0.00044	0.01	0.00044 1
<b>EPA 314.0 - Perchlorate</b>										
	06/12/2012	12:36	657648	(EPA 314.0)	Perchlorate	33	ug/L	0.25	4	0.25 1
<b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b>										
5/29/2012	05/30/2012	22:22	655821	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	560	mg/L	4.2	10	4.2 1

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

Rounding on totals after summation.

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Laboratory
QC Summary: 397885

Environ International Corp.

QC Ref # 655420 - Total Dissolved Solids (TDS)

201205250270 M-120

QC Ref # 655423 - Total Dissolved Solids (TDS)

201205250271 M-118
201205250272 M-121
201205250273 TR-10
201205250274 TR-9
201205250275 M-117
201205250276 M-103
201205250277 E-EB-1
201205250278 M-161
201205250279 TR-2
201205250280 TR-1
201205250281 TR-3
201205250282 TR-4
201205250283 TR-6
201205250284 TR-5
201205250285 TR-8
201205250286 TR-7
201205250287 ED-1
201205250288 M-150
201205250289 E-EB-2
201205250290 M-154

QC Ref # 655821 - Total Dissolved Solids (TDS)

201205250291 M-162
201205250292 M-163

QC Ref # 657647 - Perchlorate

201205250270 M-120
201205250271 M-118
201205250272 M-121
201205250273 TR-10
201205250274 TR-9
201205250275 M-117
201205250276 M-103
201205250277 E-EB-1
201205250278 M-161

QC Ref # 657648 - Perchlorate

201205250279 TR-2
201205250280 TR-1
201205250281 TR-3
201205250282 TR-4
201205250283 TR-6
201205250284 TR-5
201205250285 TR-8

Analysis Date: 05/27/2012

Analyzed by: JRF

Analysis Date: 05/27/2012

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Analysis Date: 05/30/2012

Analyzed by: JRF
Analyzed by: JRF

Analysis Date: 06/12/2012

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

Analysis Date: 06/12/2012

Analyzed by: LUPE
Analyzed by: LUPE
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**Laboratory**  
**QC Summary: 397885**

Environ International Corp.

(continued)

201205250286	TR-7	Analyzed by: LUPE
201205250287	ED-1	Analyzed by: LUPE
201205250288	M-150	Analyzed by: LUPE
201205250289	E-EB-2	Analyzed by: LUPE
201205250290	M-154	Analyzed by: LUPE
201205250292	M-163	Analyzed by: LUPE

**QC Ref # 658269 - Perchlorate**

201205250291	M-162
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**Analysis Date: 06/13/2012**

Analyzed by: LUPE

**QC Ref # 658867 - ICP Metals**

201205250270	M-120	Analyzed by: NINA
201205250271	M-118	Analyzed by: NINA
201205250272	M-121	Analyzed by: NINA
201205250273	TR-10	Analyzed by: NINA
201205250274	TR-9	Analyzed by: NINA
201205250275	M-117	Analyzed by: NINA
201205250276	M-103	Analyzed by: NINA
201205250277	E-EB-1	Analyzed by: NINA
201205250278	M-161	Analyzed by: NINA
201205250279	TR-2	Analyzed by: NINA
201205250280	TR-1	Analyzed by: NINA
201205250281	TR-3	Analyzed by: NINA
201205250282	TR-4	Analyzed by: NINA
201205250283	TR-6	Analyzed by: NINA
201205250284	TR-5	Analyzed by: NINA
201205250285	TR-8	Analyzed by: NINA
201205250286	TR-7	Analyzed by: NINA

**Analysis Date: 06/18/2012**

**QC Ref # 658869 - ICP Metals**

201205250287	ED-1	Analyzed by: NINA
201205250288	M-150	Analyzed by: NINA
201205250289	E-EB-2	Analyzed by: NINA
201205250290	M-154	Analyzed by: NINA
201205250291	M-162	Analyzed by: NINA
201205250292	M-163	Analyzed by: NINA

**Analysis Date: 06/18/2012**



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Laboratory QC  
Report: 397885

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>QC Ref# 655420 - Total Dissolved Solids (TDS) by E160.1/SM2540C</b>					<b>Analysis Date: 05/27/2012</b>				
DUP_201205220379	Total Dissolved Solid (TDS)	2800		2800	mg/L		(0-20)	20	0.072
DUP_201205240132	Total Dissolved Solid (TDS)	2100		2160	mg/L		(0-20)	20	0.47
LCS1	Total Dissolved Solid (TDS)		175	160	mg/L	91	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	694	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	13.0	mg/L	130	(50-150)		
<b>QC Ref# 655423 - Total Dissolved Solids (TDS) by E160.1/SM2540C</b>					<b>Analysis Date: 05/27/2012</b>				
DUP_201205250271	Total Dissolved Solid (TDS)	760		750	mg/L		(0-20)	20	1.6
DUP_201205250282	Total Dissolved Solid (TDS)	740		734	mg/L		(0-20)	20	0.54
LCS1	Total Dissolved Solid (TDS)		175	174	mg/L	99	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	688	mg/L	98	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	13.0	mg/L	130	(50-150)		
<b>QC Ref# 655821 - Total Dissolved Solids (TDS) by E160.1/SM2540C</b>					<b>Analysis Date: 05/30/2012</b>				
DUP_201205250291	Total Dissolved Solid (TDS)	550		560	mg/L		(0-20)	20	2.2
DUP_201205260065	Total Dissolved Solid (TDS)	2000		2020	mg/L		(0-20)	20	1.3
LCS1	Total Dissolved Solid (TDS)		175	174	mg/L	99	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	694	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	6.00	mg/L	60	(50-150)		
<b>QC Ref# 657647 - Perchlorate by EPA 314.0</b>					<b>Analysis Date: 06/11/2012</b>				
LCS1	Perchlorate		25	24.0	ug/L	96	(85-115)		
LCS2	Perchlorate		25	25.1	ug/L	101	(85-115)	15	4.5
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.54	ug/L	89	(75-125)		
MS_201205300226	Perchlorate	240	25	493	ug/L	102	(80-120)		
MSD_201205300226	Perchlorate	240	25	486	ug/L	99	(80-120)	15	1.4
<b>QC Ref# 657648 - Perchlorate by EPA 314.0</b>					<b>Analysis Date: 06/12/2012</b>				
LCS1	Perchlorate		25	21.9	ug/L	88	(85-115)		
LCS2	Perchlorate		25	22.7	ug/L	91	(85-115)	15	3.6
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.11	ug/L	78	(75-125)		
MS_201205250279	Perchlorate	ND	25	24.2	ug/L	97	(80-120)		
MSD_201205250279	Perchlorate	ND	25	23.6	ug/L	94	(80-120)	15	2.5

Spike recovery is already corrected for native results.

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

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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

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

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.



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**Laboratory QC**  
**Report: 397885**

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Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>QC Ref# 658269 - Perchlorate by EPA 314.0</b>						<b>Analysis Date: 06/13/2012</b>			
LCS1	Perchlorate		25	24.1	ug/L	96	(85-115)		
LCS2	Perchlorate		25	23.2	ug/L	93	(85-115)	15	3.8
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.52	ug/L	88	(75-125)		
MS_201206010041	Perchlorate	19	25	43.4	ug/L	98	(80-120)		
MSD_201206010041	Perchlorate	19	25	43.7	ug/L	99	(80-120)	15	0.69
<b>QC Ref# 658867 - ICP Metals by EPA 6010</b>						<b>Analysis Date: 06/18/2012</b>			
LCS1	Chromium Total ICAP		1.0	1.06	mg/L	106	(85-115)		
LCS2	Chromium Total ICAP		1.0	1.03	mg/L	103	(85-115)	20	2.9
MBLK	Chromium Total ICAP			<0.01	mg/L				
MRL_CHK	Chromium Total ICAP		0.01	0.0120	mg/L	120	(50-150)		
MS_201205250277	Chromium Total ICAP	ND	1.0	1.02	mg/L	102	(70-130)		
MS2_201205250279	Chromium Total ICAP	0.021	1.0	1.01	mg/L	99	(70-130)		
MSD_201205250277	Chromium Total ICAP	ND	1.0	1.02	mg/L	102	(70-130)	20	0.0
MSD2_201205250279	Chromium Total ICAP	0.021	1.0	1.06	mg/L	104	(70-130)	20	4.8
<b>QC Ref# 658869 - ICP Metals by EPA 6010</b>						<b>Analysis Date: 06/18/2012</b>			
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	0.0128	mg/L	128	(50-150)		
MS_201205250292	Chromium Total ICAP	0.028	1.0	1.02	mg/L	99	(70-130)		
MS2_201205260067	Chromium Total ICAP	0.015	1.0	1.04	mg/L	102	(70-130)		
MSD_201205250292	Chromium Total ICAP	0.028	1.0	1.06	mg/L	103	(70-130)	20	3.9
MSD2_201205260067	Chromium Total ICAP	0.015	1.0	0.990	mg/L	98	(70-130)	20	4.9

Spike recovery is already corrected for native results.  
 Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
 Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.  
 RPD not calculated for LCS2 when different a concentration than LCS1 is used.  
 RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).  
 (S) - Indicates surrogate compound.  
 (I) - Indicates internal standard compound.