



**MWH**

**LABORATORIES**

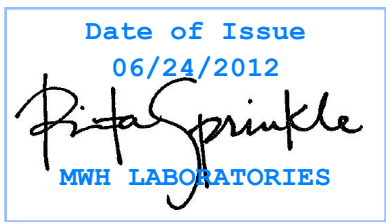
*A Division of MWH Americas, Inc.*

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: 397685  
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**

| <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 #: 397685  
Project: CWA-RCRA  
Sample Group: Quarterly CR6010 Testing  
Project Manager: Rita S. Sprinkle  
Phone: 916-418-8358

The following samples were received from you on **May 23, 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>201205240130</u> | PC-97                       | 05/22/2012 0634               |
|                     | Chromium Total ICAP RCRA    | Perchlorate                   |
|                     |                             | Total Dissolved Solid (TDS)   |
| <u>201205240131</u> | PC-90                       | 05/22/2012 0656               |
|                     | Chlorate by EPA 9056        | Chromium Total ICAP RCRA      |
|                     | Nitrate by EPA 9056         | Perchlorate                   |
|                     |                             | Nitrate as NO3 (calc)         |
|                     |                             | Total Dissolved Solid (TDS)   |
| <u>201205240132</u> | PC-86                       | 05/22/2012 0721               |
|                     | Chlorate by EPA 9056        | Chromium Total ICAP RCRA      |
|                     | Nitrate by EPA 9056         | Perchlorate                   |
|                     |                             | Nitrate as NO3 (calc)         |
|                     |                             | Total Dissolved Solid (TDS)   |
| <u>201205240133</u> | PC-91                       | 05/22/2012 0740               |
|                     | Chlorate by EPA 9056        | Chromium Total ICAP RCRA      |
|                     | Nitrate by EPA 9056         | Perchlorate                   |
|                     |                             | Nitrate as NO3 (calc)         |
|                     |                             | Total Dissolved Solid (TDS)   |
| <u>201205240134</u> | PC-92                       | 05/22/2012 0756               |
|                     | Chromium Total ICAP RCRA    | Perchlorate                   |
|                     |                             | Total Dissolved Solid (TDS)   |
| <u>201205240135</u> | PC-94                       | 05/22/2012 0811               |
|                     | Chromium Total ICAP RCRA    | Perchlorate                   |
|                     |                             | Total Dissolved Solid (TDS)   |
| <u>201205240136</u> | PC-143                      | 05/22/2012 0845               |
|                     | Chromium Total ICAP RCRA    | Perchlorate                   |
|                     | Total Dissolved Solid (TDS) | PH (H3=past HT not compliant) |
| <u>201205240137</u> | ARP-1                       | 05/22/2012 0903               |
|                     | Chromium Total ICAP RCRA    | Perchlorate                   |
|                     |                             | Total Dissolved Solid (TDS)   |

**Test Description**



397685

397685

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: WJS

SAMPLE TEMP, RECEIPT AT LAB: 2.0

BLUE ICE: FROZEN  PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: Nevada Environmental Response Trust  
 PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling  
 Schedule B CWA-RCRA

SAMPLER: Michele Brown  
 John Pekala 602-734-7710  
 Nevada Environmental Response Trust  
 35 East 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 | CRVI | TDS | CR | CL04 | Sterile CL04 | pH | NO3 | CL03 | SAMPLER Comments |
|-------|-----------|----------|-----------------------|----------|------|------|------|-----|----|------|--------------|----|-----|------|------------------|
| 6:34a | 5/22/2012 |          | PC-97                 | RGW      | X    |      | X    | X   | X  | X    | X            |    |     |      | 4 Bottles        |
| 6:56a | 5/22/2012 |          | PC-90                 | RGW      | X    |      | X    | X   | X  | X    | X            |    | X   |      | 6 Bottles        |
| 7:21a | 5/22/2012 |          | PC-86                 | RGW      | X    |      | X    | X   | X  | X    | X            |    | X   |      | 6 Bottles        |
| 7:40a | 5/22/2012 |          | PC-91                 | RGW      | X    |      | X    | X   | X  | X    | X            |    | X   |      | 6 Bottles        |
| 7:56a | 5/22/2012 |          | PC-92                 | RGW      | X    |      | X    | X   | X  | X    | X            |    | X   |      | 4 Bottles        |
| 8:11a | 5/22/2012 |          | PC-94                 | RGW      | X    |      | X    | X   | X  | X    | X            |    | X   |      | 4 Bottles        |
| 8:45a | 5/22/2012 |          | PC-143                | RGW      | X    |      | X    | X   | X  | X    | X            | X  |     |      | 5 Bottles        |
| 9:03a | 5/22/2012 |          | ARP-1                 | RGW      | X    |      | X    | X   | X  | X    | X            |    |     |      | 4 Bottles        |
|       |           |          |                       |          |      |      |      |     |    |      |              |    |     |      | Bottles          |
|       |           |          |                       |          |      |      |      |     |    |      |              |    |     |      | Bottles          |
|       |           |          |                       |          |      |      |      |     |    |      |              |    |     |      | Bottles          |
|       |           |          |                       |          |      |      |      |     |    |      |              |    |     |      | Bottles          |
|       |           |          |                       |          |      |      |      |     |    |      |              |    |     |      | Bottles          |

\* MATRIX TYPES:

Reported by Volume:  
CFW = Chlor(am)inated Finished Water  
FW = Other Finished Water

Reported by Weight:  
SO = Soil  
SL = Sludge

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

Reported by Weight:

RELINQUISHED BY: Michele Brown SIGNATURE  
 RECEIVED BY: Michele Brown SIGNATURE  
 RELINQUISHED BY: Michele Brown SIGNATURE  
 RECEIVED BY: Michele Brown SIGNATURE

COMPANY/TITLE: Veolia Water for Nevada Environmental Response Trust  
 PRINT NAME: Michele Brown  
 SIGNATURE: Michele Brown

DATE: 5/22/2012  
 TIME: 12:00PM

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 23, 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**

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John M. Pekala, P.G.  
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Phoenix, AZ 85016

---

**Laboratory Comments**  
**Report: #397685**



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Laboratory Data  
Report: 397685

### Environ International Corp.

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

Samples Received on:  
05/23/2012

| Prepared  | Analyzed   | QC Ref # | Method | Analyte          | Result                       | Units   | MDL                               | MRL     | SQL  | Dilution |     |
|---|------------|----------|--------|------------------|------------------------------|---------|-----------------------------------|---------|------|----------|-----|
| <b>PC-97 (201205240130)</b>                         |            |          |        |                  |                              |         | <b>Sampled on 05/22/2012 0634</b> |         |      |          |     |
| <b>EPA 6010 - ICP Metals</b>                        |            |          |        |                  |                              |         |                                   |         |      |          |     |
| 5/24/2012   | 06/08/2012 | 16:47    | 654859 | (EPA 6010)       | Chromium Total ICAP          | 0.0018J | mg/L                              | 0.00044 | 0.01 | 0.00044  | 1   |
| <b>EPA 314.0 - Perchlorate Sterile Filtered</b>     |            |          |        |                  |                              |         |                                   |         |      |          |     |
|   | 06/06/2012 | 08:11    | 656735 | (EPA 314.0)      | Perchlorate                  | 2100    | ug/L                              | 0.25    | 400  | 25       | 100 |
| <b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b> |            |          |        |                  |                              |         |                                   |         |      |          |     |
| 5/25/2012   | 05/27/2012 | 20:33    | 655420 | (E160.1/SM2540C) | Total Dissolved Solids (TDS) | 2600    | mg/L                              | 4.2     | 10   | 4.2      | 1   |
| <b>PC-90 (201205240131)</b>                         |            |          |        |                  |                              |         | <b>Sampled on 05/22/2012 0656</b> |         |      |          |     |
| <b>EPA 6010 - ICP Metals</b>                        |            |          |        |                  |                              |         |                                   |         |      |          |     |
| 5/24/2012   | 06/08/2012 | 17:27    | 654859 | (EPA 6010)       | Chromium Total ICAP          | 0.0020J | mg/L                              | 0.00044 | 0.02 | 0.00088  | 2   |
| <b>EPA 9056 - Nitrate, Nitrite by EPA 300.0</b>     |            |          |        |                  |                              |         |                                   |         |      |          |     |
|   | 05/23/2012 | 23:33    | 655079 | (EPA 9056)       | Nitrate as Nitrogen by IC    | 5.7     | mg/L                              | 0.0050  | 2.5  | 0.12     | 25  |
|   | 05/23/2012 | 23:33    | 655079 | (EPA 300.0)      | Nitrate as NO3 (calc)        | 25      | mg/L                              | 0.022   | 11   | 0.55     | 25  |
| <b>EPA 9056 - Disinfection ByProducts by 300.0</b>  |            |          |        |                  |                              |         |                                   |         |      |          |     |
|   | 06/07/2012 | 00:10    | 656577 | (EPA 9056)       | Chlorate by IC               | 8700    | ug/L                              | 1.3     | 1000 | 130      | 100 |
| <b>EPA 314.0 - Perchlorate Sterile Filtered</b>     |            |          |        |                  |                              |         |                                   |         |      |          |     |
|   | 06/06/2012 | 08:33    | 656735 | (EPA 314.0)      | Perchlorate                  | 8000    | ug/L                              | 0.25    | 400  | 25       | 100 |
| <b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b> |            |          |        |                  |                              |         |                                   |         |      |          |     |
| 5/25/2012   | 05/27/2012 | 20:34    | 655420 | (E160.1/SM2540C) | Total Dissolved Solids (TDS) | 3500    | mg/L                              | 4.2     | 10   | 4.2      | 1   |
| <b>PC-86 (201205240132)</b>                         |            |          |        |                  |                              |         | <b>Sampled on 05/22/2012 0721</b> |         |      |          |     |
| <b>EPA 6010 - ICP Metals</b>                        |            |          |        |                  |                              |         |                                   |         |      |          |     |
| 5/24/2012   | 06/08/2012 | 17:31    | 654859 | (EPA 6010)       | Chromium Total ICAP          | ND      | mg/L                              | 0.00044 | 0.02 | 0.00088  | 2   |
| <b>EPA 9056 - Nitrate, Nitrite by EPA 300.0</b>     |            |          |        |                  |                              |         |                                   |         |      |          |     |
|   | 05/23/2012 | 23:20    | 655079 | (EPA 9056)       | Nitrate as Nitrogen by IC    | 0.39    | mg/L                              | 0.0050  | 0.13 | 0.050    | 10  |
|   | 05/23/2012 | 23:20    | 655079 | (EPA 300.0)      | Nitrate as NO3 (calc)        | 1.7     | mg/L                              | 0.022   | 0.55 | 0.22     | 10  |
| <b>EPA 9056 - Disinfection ByProducts by 300.0</b>  |            |          |        |                  |                              |         |                                   |         |      |          |     |
|   | 06/07/2012 | 00:35    | 656577 | (EPA 9056)       | Chlorate by IC               | 5.2J    | ug/L                              | 1.3     | 10   | 1.3      | 1   |
| <b>EPA 314.0 - Perchlorate Sterile Filtered</b>     |            |          |        |                  |                              |         |                                   |         |      |          |     |
|   | 06/06/2012 | 09:18    | 656735 | (EPA 314.0)      | Perchlorate                  | 920     | ug/L                              | 0.25    | 200  | 12       | 50  |
| <b>E160.1/SM2540C - Total Dissolved Solid (TDS)</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.



# MWH

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Monrovia, California, 91016-3629  
Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

Laboratory Data  
Report: 397685

### Environ International Corp.

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

Samples Received on:  
05/23/2012

| Prepared  | Analyzed   | QC Ref #     | Method           | Analyte                      | Result | Units | MDL | MRL | SQL | Dilution |
|-----------|------------|--------------|------------------|------------------------------|--------|-------|-----|-----|-----|----------|
| 5/25/2012 | 05/27/2012 | 20:36 655420 | (E160.1/SM2540C) | Total Dissolved Solids (TDS) | 2100   | mg/L  | 4.2 | 10  | 4.2 | 1        |

#### PC-91 (201205240133)

Sampled on 05/22/2012 0740

#### EPA 6010 - ICP Metals

|           |            |              |            |                     |         |      |         |      |         |   |
|-----------|------------|--------------|------------|---------------------|---------|------|---------|------|---------|---|
| 5/24/2012 | 06/18/2012 | 17:12 658866 | (EPA 6010) | Chromium Total ICAP | 0.0025J | mg/L | 0.00044 | 0.02 | 0.00088 | 2 |
|-----------|------------|--------------|------------|---------------------|---------|------|---------|------|---------|---|

#### EPA 9056 - Nitrate, Nitrite by EPA 300.0

|            |              |             |                           |      |      |        |      |       |    |
|------------|--------------|-------------|---------------------------|------|------|--------|------|-------|----|
| 05/23/2012 | 23:46 655079 | (EPA 9056)  | Nitrate as Nitrogen by IC | 0.73 | mg/L | 0.0050 | 0.13 | 0.050 | 10 |
| 05/23/2012 | 23:46 655079 | (EPA 300.0) | Nitrate as NO3 (calc)     | 3.2  | mg/L | 0.022  | 0.55 | 0.22  | 10 |

#### EPA 9056 - Disinfection ByProducts by 300.0

|            |              |            |                |      |      |     |      |     |     |
|------------|--------------|------------|----------------|------|------|-----|------|-----|-----|
| 06/07/2012 | 01:00 656577 | (EPA 9056) | Chlorate by IC | 2500 | ug/L | 1.3 | 1000 | 130 | 100 |
|------------|--------------|------------|----------------|------|------|-----|------|-----|-----|

#### EPA 314.0 - Perchlorate Sterile Filtered

|            |              |             |             |      |      |      |     |    |     |
|------------|--------------|-------------|-------------|------|------|------|-----|----|-----|
| 06/06/2012 | 09:40 656735 | (EPA 314.0) | Perchlorate | 4100 | ug/L | 0.25 | 400 | 25 | 100 |
|------------|--------------|-------------|-------------|------|------|------|-----|----|-----|

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

|           |            |              |                  |                              |      |      |     |    |     |   |
|-----------|------------|--------------|------------------|------------------------------|------|------|-----|----|-----|---|
| 5/25/2012 | 05/27/2012 | 20:35 655420 | (E160.1/SM2540C) | Total Dissolved Solids (TDS) | 3000 | mg/L | 4.2 | 10 | 4.2 | 1 |
|-----------|------------|--------------|------------------|------------------------------|------|------|-----|----|-----|---|

#### PC-92 (201205240134)

Sampled on 05/22/2012 0756

#### EPA 6010 - ICP Metals

|           |            |              |            |                     |         |      |         |      |         |   |
|-----------|------------|--------------|------------|---------------------|---------|------|---------|------|---------|---|
| 5/24/2012 | 06/18/2012 | 17:03 658866 | (EPA 6010) | Chromium Total ICAP | 0.0012J | mg/L | 0.00044 | 0.01 | 0.00044 | 1 |
|-----------|------------|--------------|------------|---------------------|---------|------|---------|------|---------|---|

#### EPA 314.0 - Perchlorate Sterile Filtered

|            |              |             |             |      |      |      |     |    |     |
|------------|--------------|-------------|-------------|------|------|------|-----|----|-----|
| 06/06/2012 | 10:03 656735 | (EPA 314.0) | Perchlorate | 2000 | ug/L | 0.25 | 400 | 25 | 100 |
|------------|--------------|-------------|-------------|------|------|------|-----|----|-----|

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

|           |            |              |                  |                              |      |      |     |    |     |   |
|-----------|------------|--------------|------------------|------------------------------|------|------|-----|----|-----|---|
| 5/25/2012 | 05/27/2012 | 20:38 655420 | (E160.1/SM2540C) | Total Dissolved Solids (TDS) | 2700 | mg/L | 4.2 | 10 | 4.2 | 1 |
|-----------|------------|--------------|------------------|------------------------------|------|------|-----|----|-----|---|

#### PC-94 (201205240135)

Sampled on 05/22/2012 0811

#### EPA 6010 - ICP Metals

|           |            |              |            |                     |       |      |         |      |         |   |
|-----------|------------|--------------|------------|---------------------|-------|------|---------|------|---------|---|
| 5/24/2012 | 06/18/2012 | 17:15 658866 | (EPA 6010) | Chromium Total ICAP | 0.031 | mg/L | 0.00044 | 0.02 | 0.00088 | 2 |
|-----------|------------|--------------|------------|---------------------|-------|------|---------|------|---------|---|

#### EPA 314.0 - Perchlorate Sterile Filtered

|            |              |             |             |      |      |      |     |    |     |
|------------|--------------|-------------|-------------|------|------|------|-----|----|-----|
| 06/06/2012 | 10:25 656735 | (EPA 314.0) | Perchlorate | 9000 | ug/L | 0.25 | 400 | 25 | 100 |
|------------|--------------|-------------|-------------|------|------|------|-----|----|-----|

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

|           |            |              |                  |                              |      |      |     |    |     |   |
|-----------|------------|--------------|------------------|------------------------------|------|------|-----|----|-----|---|
| 5/25/2012 | 05/27/2012 | 20:39 655420 | (E160.1/SM2540C) | Total Dissolved Solids (TDS) | 4500 | mg/L | 4.2 | 10 | 4.2 | 1 |
|-----------|------------|--------------|------------------|------------------------------|------|------|-----|----|-----|---|

#### PC-143 (201205240136)

Sampled on 05/22/2012 0845

#### EPA 6010 - ICP Metals

|           |            |              |            |                     |         |      |         |      |         |   |
|-----------|------------|--------------|------------|---------------------|---------|------|---------|------|---------|---|
| 5/24/2012 | 06/18/2012 | 17:18 658866 | (EPA 6010) | Chromium Total ICAP | 0.0019J | mg/L | 0.00044 | 0.02 | 0.00088 | 2 |
|-----------|------------|--------------|------------|---------------------|---------|------|---------|------|---------|---|

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: 397685**

**Environ International Corp.**

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

Samples Received on:  
05/23/2012

| Prepared  | Analyzed   | QC Ref # | Method | Analyte          | Result                        | Units    | MDL                               | MRL     | SQL  | Dilution |     |
|---|------------|----------|--------|------------------|-------------------------------|----------|-----------------------------------|---------|------|----------|-----|
| <b>EPA 314.0 - Perchlorate Sterile Filtered</b>     |            |          |        |                  |                               |          |                                   |         |      |          |     |
|   | 06/06/2012 | 10:47    | 656735 | (EPA 314.0)      | Perchlorate                   | 2000     | ug/L                              | 0.25    | 400  | 25       | 100 |
| <b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b> |            |          |        |                  |                               |          |                                   |         |      |          |     |
| 5/25/2012   | 05/27/2012 | 20:40    | 655420 | (E160.1/SM2540C) | Total Dissolved Solids (TDS)  | 7500     | mg/L                              | 4.2     | 10   | 4.2      | 1   |
| <b>EPA 9040 - PH by EPA 9040</b>                    |            |          |        |                  |                               |          |                                   |         |      |          |     |
|   | 06/10/2012 | 17:00    | 655869 | (EPA 9040)       | PH (H3=past HT not compliant) | 7.7      | Units                             | 0.10    | 0.1  | 0.10     | 1   |
| <b><u>ARP-1 (201205240137)</u></b>                  |            |          |        |                  |                               |          | <b>Sampled on 05/22/2012 0903</b> |         |      |          |     |
| <b>EPA 6010 - ICP Metals</b>                        |            |          |        |                  |                               |          |                                   |         |      |          |     |
| 5/24/2012   | 06/18/2012 | 17:29    | 658866 | (EPA 6010)       | Chromium Total ICAP           | 0.00096J | mg/L                              | 0.00044 | 0.02 | 0.00088  | 2   |
| <b>EPA 314.0 - Perchlorate Sterile Filtered</b>     |            |          |        |                  |                               |          |                                   |         |      |          |     |
|   | 06/06/2012 | 11:10    | 656735 | (EPA 314.0)      | Perchlorate                   | 19000    | ug/L                              | 0.25    | 800  | 50       | 200 |
| <b>E160.1/SM2540C - Total Dissolved Solid (TDS)</b> |            |          |        |                  |                               |          |                                   |         |      |          |     |
| 5/25/2012   | 05/27/2012 | 20:41    | 655420 | (E160.1/SM2540C) | Total Dissolved Solids (TDS)  | 5600     | mg/L                              | 4.2     | 10   | 4.2      | 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.



**MWH**

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**Laboratory  
QC Summary: 397685**

Environ International Corp.

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**QC Ref # 654859 - ICP Metals**

201205240130 PC-97  
201205240131 PC-90  
201205240132 PC-86

**Analysis Date: 06/08/2012**

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

**QC Ref # 655079 - Nitrate, Nitrite by EPA 300.0**

201205240131 PC-90  
201205240132 PC-86  
201205240133 PC-91

**Analysis Date: 05/23/2012**

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

**QC Ref # 655420 - Total Dissolved Solids (TDS)**

201205240130 PC-97  
201205240131 PC-90  
201205240132 PC-86  
201205240133 PC-91  
201205240134 PC-92  
201205240135 PC-94  
201205240136 PC-143  
201205240137 ARP-1

**Analysis Date: 05/27/2012**

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

**QC Ref # 655869 - PH (H3=past HT not compliant)**

201205240136 PC-143

**Analysis Date: 06/10/2012**

Analyzed by: SFL

**QC Ref # 656577 - Disinfection ByProducts by 300.0**

201205240131 PC-90  
201205240132 PC-86  
201205240133 PC-91

**Analysis Date: 06/07/2012**

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

**QC Ref # 656735 - Perchlorate**

201205240130 PC-97  
201205240131 PC-90  
201205240132 PC-86  
201205240133 PC-91  
201205240134 PC-92  
201205240135 PC-94  
201205240136 PC-143  
201205240137 ARP-1

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

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

**QC Ref # 658866 - ICP Metals**

201205240133 PC-91  
201205240134 PC-92  
201205240135 PC-94  
201205240136 PC-143  
201205240137 ARP-1

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

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



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Environ International Corp.

| QC Type  | Analyte                       | Native | Spiked | Recovered | Units | Yield (%)                        | Limits (%) | RPDLimit (%) | RPD%  |
|--|-------------------------------|--------|--------|-----------|-------|----------------------------------|------------|--------------|-------|
| <b>QC Ref# 654859 - ICP Metals by EPA 6010</b>                         |                               |        |        |           |       | <b>Analysis Date: 06/08/2012</b> |            |              |       |
| LCS1   | Chromium Total ICAP           |        | 1.0    | 1.04      | mg/L  | 104                              | (85-115)   |              |       |
| LCS2   | Chromium Total ICAP           |        | 1.0    | 1.04      | mg/L  | 104                              | (85-115)   | 20           | 0.0   |
| MBLK   | Chromium Total ICAP           |        |        | <0.01     | mg/L  |                                  |            |              |       |
| MRL_CHK  | Chromium Total ICAP           |        | 0.01   | 0.0120    | mg/L  | 120                              | (50-150)   |              |       |
| MS_201205190118  | Chromium Total ICAP           | ND     | 1.0    | 0.995     | mg/L  | 99                               | (70-130)   |              |       |
| MS2_201205240130   | Chromium Total ICAP           | ND     | 1.0    | 1.01      | mg/L  | 101                              | (70-130)   |              |       |
| MSD_201205190118   | Chromium Total ICAP           | ND     | 1.0    | 0.982     | mg/L  | 98                               | (70-130)   | 20           | 1.3   |
| MSD2_201205240130  | Chromium Total ICAP           | ND     | 1.0    | 0.991     | mg/L  | 99                               | (70-130)   | 20           | 1.9   |
| <b>QC Ref# 655079 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0</b>     |                               |        |        |           |       | <b>Analysis Date: 05/23/2012</b> |            |              |       |
| LCS1   | Nitrate as Nitrogen by IC     |        | 2.5    | 2.6       | mg/L  | 104                              | (90-110)   |              |       |
| LCS2   | Nitrate as Nitrogen by IC     |        | 2.5    | 2.59      | mg/L  | 103                              | (90-110)   | 20           | 0.39  |
| MBLK   | Nitrate as Nitrogen by IC     |        |        | <0.10     | mg/L  |                                  |            |              |       |
| MRL_CHK  | Nitrate as Nitrogen by IC     |        | 0.05   | 0.0515    | mg/L  | 103                              | (50-150)   |              |       |
| MRLW   | Nitrate as Nitrogen by IC     |        | 0.013  | 0.0145    | mg/L  | 116                              | (50-150)   |              |       |
| MS_201205240274  | Nitrate as Nitrogen by IC     | 0.70   | 1.3    | 3.28      | mg/L  | 103                              | (80-120)   |              |       |
| MS_201205230284  | Nitrate as Nitrogen by IC     | ND     | 1.3    | 1.4       | mg/L  | 105                              | (80-120)   |              |       |
| MSD_201205240274   | Nitrate as Nitrogen by IC     | 0.70   | 1.3    | 3.29      | mg/L  | 104                              | (80-120)   | 20           | 0.30  |
| MSD_201205230284   | Nitrate as Nitrogen by IC     | ND     | 1.3    | 1.41      | mg/L  | 106                              | (80-120)   | 20           | 0.71  |
| <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# 655869 - PH (H3=past HT not compliant) by EPA 9040</b>      |                               |        |        |           |       | <b>Analysis Date: 06/10/2012</b> |            |              |       |
| DUP_201205190115   | PH (H3=past HT not compliant) | 7.5    |        | 7.53      | Units |                                  | (0-20)     | 20           | 0.40  |
| DUP_201205190125   | PH (H3=past HT not compliant) | 7.5    |        | 7.5       | Units |                                  | (0-20)     | 20           | 0.27  |
| LCS1   | PH (H3=past HT not compliant) |        | 6.0    | 6.01      | Units | 100                              | (98-102)   |              |       |
| LCS2   | PH (H3=past HT not compliant) |        | 6.0    | 6.01      | Units | 100                              | (98-102)   | 20           | 0.0   |
| <b>QC Ref# 656577 - Disinfection ByProducts by 300.0 by EPA 9056</b>   |                               |        |        |           |       | <b>Analysis Date: 06/06/2012</b> |            |              |       |
| LCS1   | Chlorate by IC                |        | 200    | 198       | ug/L  | 99                               | (90-110)   |              |       |
| LCS2   | Chlorate by IC                |        | 200    | 203       | ug/L  | 101                              | (90-110)   | 20           | 2.5   |
| MBLK   | Chlorate by IC                |        |        | <10       | ug/L  |                                  |            |              |       |
| MRL_CHK  | Chlorate by IC                |        | 10     | 8.51      | ug/L  | 85                               | (75-125)   |              |       |

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: 397685

Environ International Corp.

| QC Type  | Analyte             | Native | Spiked | Recovered | Units | Yield (%)                        | Limits (%) | RPDLimit (%) | RPD%       |
|--|---------------------|--------|--------|-----------|-------|----------------------------------|------------|--------------|------------|
| MSD_201205230087                                 | Chlorate by IC      | 240000 | 100    | 338000    | ug/L  | 102                              | (80-120)   | 15           | <u>200</u> |
| <b>QC Ref# 656735 - Perchlorate by EPA 314.0</b> |                     |        |        |           |       | <b>Analysis Date: 06/06/2012</b> |            |              |            |
| LCS1   | Perchlorate         |        | 25     | 26.9      | ug/L  | 108                              | (85-115)   |              |            |
| LCS2   | Perchlorate         |        | 25     | 27.5      | ug/L  | 110                              | (85-115)   | 15           | 2.2        |
| MBLK   | Perchlorate         |        |        | <4        | ug/L  |                                  |            |              |            |
| MRL_CHK  | Perchlorate         |        | 4.0    | 3.99      | ug/L  | 100                              | (75-125)   |              |            |
| MS_201205300040                                  | Perchlorate         | 22     | 25     | 47.0      | ug/L  | 100                              | (80-120)   |              |            |
| MSD_201205300040                                 | Perchlorate         | 22     | 25     | 48.3      | ug/L  | 105                              | (80-120)   | 15           | 2.7        |
| <b>QC Ref# 658866 - 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    | 1.07      | mg/L  | 107                              | (85-115)   | 20           | 0.94       |
| MBLK   | Chromium Total ICAP |        |        | <0.01     | mg/L  |                                  |            |              |            |
| MRL_CHK  | Chromium Total ICAP |        | 0.01   | 0.0116    | mg/L  | 116                              | (50-150)   |              |            |
| MS_201205240134                                  | Chromium Total ICAP | ND     | 1.0    | 0.990     | mg/L  | 99                               | (70-130)   |              |            |
| MS2_201205250219                                 | Chromium Total ICAP | 0.036  | 1.0    | 1.03      | mg/L  | 99                               | (70-130)   |              |            |
| MSD_201205240134                                 | Chromium Total ICAP | ND     | 1.0    | 1.01      | mg/L  | 101                              | (70-130)   | 20           | 2.0        |
| MSD2_201205250219                                | Chromium Total ICAP | 0.036  | 1.0    | 0.982     | mg/L  | 95                               | (70-130)   | 20           | 4.8        |

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.

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.