



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: 393938
Project: CWA-RCRA
Group: Monthly PC/ARP Wells

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

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

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



Acknowledgement of Samples Received

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

Client ID: ENVIRON-NVTRUST
Folder #: 393938
Project: CWA-RCRA
Sample Group: Monthly PC/ARP Wells
Project Manager: Rita S Sprinkle
Phone: 916-418-8358

The following samples were received from you on **April 13, 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>201204130287</u>	PC-91	04/11/2012 1003
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130288</u>	PC-97	04/11/2012 0856
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130289</u>	PC-18	04/11/2012 1223
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130290</u>	PC-55	04/11/2012 1335
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130291</u>	PC-101R	04/12/2012 1210
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130292</u>	MW-K4	04/12/2012 0105
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130293</u>	ARP-1	04/12/2012 1249
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130294</u>	ARP-2A	04/12/2012 1130
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130295</u>	ARP-3A	04/12/2012 1110
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130296</u>	ARP-4A	04/12/2012 1051
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130297</u>	ARP-5A	04/12/2012 1016
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130298</u>	ARP-6B	04/12/2012 1000
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130299</u>	ARP-7	04/12/2012 0944
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130300</u>	PC-53	04/12/2012 0906

3/18



Acknowledgement of Samples Received

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Suite 412
Phoenix, AZ 85016
Attn: John M. Pekala, P.G.
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Client ID: ENVIRON-NVTRUST
Folder #: 393938
Project: CWA-RCRA
Sample Group: Monthly PC/ARP Wells
Project Manager: Rita S Sprinkle
Phone: 916-418-8358

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Sample #	Sample ID	Sample Date
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130301</u>	PC-103	04/12/2012 1309
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130302</u>	MW-K5	04/12/2012 0921
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130303</u>	M-83	04/12/2012 1409
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130304</u>	PC-98R	04/12/2012 1331
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130305</u>	PC-86	04/11/2012 0945
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130306</u>	PC-90	04/11/2012 0920
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130307</u>	PC-56	04/11/2012 1048
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130308</u>	PC-58	04/11/2012 1020
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130309</u>	PC-59	04/11/2012 1110
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130310</u>	PC-60	04/11/2012 1056
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130311</u>	PC-62	04/11/2012 1130
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130312</u>	PC-68	04/11/2012 1206
	Perchlorate Total Dissolved Solid (TDS)	
<u>201204130313</u>	PC-122	04/12/2012 0838



Acknowledgement of Samples Received

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Client ID: ENVIRON-NVTRUST
Folder #: 393938
Project: CWA-RCRA
Sample Group: Monthly PC/ARP Wells
Project Manager: Rita S Sprinkle
Phone: 916-418-8358

The following samples were received from you on **April 13, 2012**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample #	Sample ID	Sample Date
	Perchlorate	Total Dissolved Solid (TDS)

Test Description



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

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

393938

MWLABS USE ONLY:
 LOGIN COMMENTS: _____
 SAMPLES CHECKED/LOGGED IN BY: JSC/mw
 SAMPLE TEMP, RECEIPT AT LAB: 26
 BLUE ICE: FROZEN PARTIALLY FROZEN _____ THAWED _____

TO BE COMPLETED BY SAMPLER:
 COMPANY / PROJECT NAME: Nevada Environmental Response Trust
 PROJECT JOB # / P.O.#: CWA-RCRA Collection Wells Fields - Monthly - SO #12374
 LOCATION: Nevada Environmental Response Trust, 35 Wacker Suite 1550, Chicago, IL 60606
 Sampler: Eric Crawford

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	TDS	ClO4	ClO3	NO3	CR	SAMPLER COMMENTS
10:03a	4/11/12		PC-91	RSW	X		X	X				
8:56a	4/11/12		PC-97	RSW	X		X	X				
12:23p	4/11/12		PC-18	RSW	X		X	X				
1:35p	4/11/12		PC-55	RSW	X		X	X				
12:10p	4/12/12		PC-101R	RSW	X		X	X				

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)
 SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3
 (check for yes)

* MATRIX TYPES:
 Reported by Volume:
 CFW = Chlor(am)inated Finished Water
 FW = Other Finished Water
 Reported by Weight:
 SO = Soil
 SL = Sludge

RGW = Raw Ground Water
 RSW = Raw Surface Water
 CWW = Chlorinated Waste Water
 WW = Other Waste Water
 SW = Storm Water

RELINQUISHED BY: _____
 RECEIVED BY: JSC
 RELINQUISHED BY: _____
 RECEIVED BY: _____

SIGNATURE: [Signature]
 PRINT NAME: Eric Crawford
 COMPANY/TITLE: Veolia Water for Nevada Environmental Response Trust
 DATE: 4/13/12
 TIME: 1200pm



393938

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016

(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 2.6

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

CWA-RCRA

Nevada Environmental Response Trust

Collection Wells Fields - Monthly - SO #12374

Sampler Eric Crawford

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

John Pekala 602-(702) 651-2200

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes) X

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

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	ANALYSES				SAMPLER COMMENTS
							NO3	ClO3	CR	ClO4	
1:05 AM	4/12/12		MW-K4	RSW	X		X	X	X	X	
12:49p	4/12/12		ARP-1	RSW	X		X	X	X	X	
11:30a	4/12/12		ARP-2A	RSW	X		X	X	X	X	
11:10a	4/12/12		ARP-3A	RSW	X		X	X	X	X	
10:58a	4/12/12		ARP-4A	RSW	X		X	X	X	X	
10:16a	4/12/12		ARP-5A	RSW	X		X	X	X	X	
10:00a	4/12/12		ARP-6B	RSW	X		X	X	X	X	
9:44a	4/12/12		ARP-7	RSW	X		X	X	X	X	
9:06a	4/12/12		PC-53	RSW	X		X	X	X	X	
1:09p	4/12/12		PC-103	RSW	X		X	X	X	X	
9:21a	4/12/12		MW-K5	RSW	X		X	X	X	X	

* MATRIX TYPES:

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

RGW = Raw Ground Water
RSW = Raw Surface Water

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

Reported by Weight:

SO = Soil
SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

TIME

DATE

RELINQUISHED BY:

[Signature]

Eric Crawford

Veolia Water for Nevada Environmental Response Trust

4/12/2012 1200pm

RECEIVED BY:

Joe Sanchez

MWH

4/13/12 1155

RELINQUISHED BY:

RECEIVED BY:



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

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JSJ

SAMPLE TEMP, RECEIPT AT LAB: 26

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

393938

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Nevada Environmental Response Trust
Eric Crawford

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

John Pekala 602-7 (702) 651-2200
Nevada Environmental Response Trust
35 Wacker Suite 1550
Chicago, IL 60606

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

ANALYSES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	SAMPLER COMMENTS											
							TDS	ClO4	CR	ClO3	NO3							
2:09p	4/12/12		M-83	RSW	X		X											
1:31p	4/12/12		PC-98R	RSW	X		X											
9:45a	4/11/12		PC-86	RSW	X		X											
9:20a	4/11/12		PC-90	RSW	X		X											
10:48a	4/11/12		PC-56	RSW	X		X											
10:20a	4/11/12		PC-58	RSW	X		X											
11:10a	4/11/12		PC-59	RSW	X		X											
10:56a	4/11/12		PC-60	RSW	X		X											
11:30a	4/11/12		PC-62	RSW	X		X											
12:06p	4/11/12		PC-68	RSW	X		X											
8:38a	4/12/12		PC-122	RSW	X		X											

Reported by Volume:

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

Reported by Weight:

SO = Soil
SL = Sludge

RGW = Raw Ground Water
RSW = Raw Surface Water

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

SIGNATURE

PRINT NAME

Eric Crawford

COMPANY/TITLE

Veolia Water for Nevada Environmental Response Trust

TIME

1200pm

DATE

4/12/2012

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

Joe Sanchez

MWH

4/13/12 1155

April 30, 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 April 13, 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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Laboratory Comments
Report: #393938



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Laboratory Data
Report: 393938

Environ International Corp.

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

Samples Received on:
04/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<u>PC-91 (201204130287)</u>							Sampled on 04/11/2012 1003				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	20:52	649218	(EPA 314.0)	Perchlorate	4900	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/16/2012	04/17/2012	15:55	648919	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3200	mg/L	4.2	10	4.2	1
<u>PC-97 (201204130288)</u>							Sampled on 04/11/2012 0856				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	21:14	649218	(EPA 314.0)	Perchlorate	1000	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/16/2012	04/17/2012	15:56	648919	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2500	mg/L	4.2	10	4.2	1
<u>PC-18 (201204130289)</u>							Sampled on 04/11/2012 1223				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	21:37	649218	(EPA 314.0)	Perchlorate	160000	ug/L	0.25	40000	2500	10000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	16:52	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	9400	mg/L	4.2	10	4.2	1
<u>PC-55 (201204130290)</u>							Sampled on 04/11/2012 1335				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	21:59	649218	(EPA 314.0)	Perchlorate	1100	ug/L	0.25	80	5.0	20
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	16:53	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	7700	mg/L	4.2	10	4.2	1
<u>PC-101R (201204130291)</u>							Sampled on 04/12/2012 1210				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	22:22	649218	(EPA 314.0)	Perchlorate	140000	ug/L	0.25	20000	1200	5000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	16:54	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	10000	mg/L	4.2	10	4.2	1
<u>MW-K4 (201204130292)</u>							Sampled on 04/12/2012 0105				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	22:44	649218	(EPA 314.0)	Perchlorate	260000	ug/L	0.25	40000	2500	10000
E160.1/SM2540C - Total Dissolved Solid (TDS) 11/18											

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: 393938

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Samples Received on:
04/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
4/18/2012	04/18/2012	16:55 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6400	mg/L	4.2	10	4.2	1	
<u>ARP-1 (201204130293)</u>							Sampled on 04/12/2012 1249				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	23:06 649218	(EPA 314.0)	Perchlorate	18000	ug/L	0.25	800	50	200	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	16:56 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5800	mg/L	4.2	10	4.2	1	
<u>ARP-2A (201204130294)</u>							Sampled on 04/12/2012 1130				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	23:29 649218	(EPA 314.0)	Perchlorate	6200	ug/L	0.25	400	25	100	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	16:57 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6200	mg/L	4.2	10	4.2	1	
<u>ARP-3A (201204130295)</u>							Sampled on 04/12/2012 1110				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/18/2012	23:51 649218	(EPA 314.0)	Perchlorate	3800	ug/L	0.25	400	25	100	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	16:58 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	7600	mg/L	4.2	10	4.2	1	
<u>ARP-4A (201204130296)</u>							Sampled on 04/12/2012 1051				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/19/2012	00:14 649218	(EPA 314.0)	Perchlorate	26000	ug/L	0.25	4000	250	1000	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	16:59 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4300	mg/L	4.2	10	4.2	1	
<u>ARP-5A (201204130297)</u>							Sampled on 04/12/2012 1016				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	17:38 650042	(EPA 314.0)	Perchlorate	17000	ug/L	0.25	2000	120	500	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	17:00 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5000	mg/L	4.2	10	4.2	1	
<u>ARP-6B (201204130298)</u>							Sampled on 04/12/2012 1000				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	18:45 650042	(EPA 314.0)	Perchlorate	37000	ug/L	0.25	4000	250	1000	



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Samples Received on:
04/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
E160.1/SM2540C - Total Dissolved Solid (TDS)										
4/18/2012	04/18/2012	17:03 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8300	mg/L	4.2	10	4.2	1
ARP-7 (201204130299)							Sampled on 04/12/2012 0944			
EPA 314.0 - Perchlorate Sterile Filtered										
	04/24/2012	19:08 650042	(EPA 314.0)	Perchlorate	4400	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
4/18/2012	04/18/2012	17:04 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5800	mg/L	4.2	10	4.2	1
PC-53 (201204130300)							Sampled on 04/12/2012 0906			
EPA 314.0 - Perchlorate Sterile Filtered										
	04/24/2012	19:30 650042	(EPA 314.0)	Perchlorate	3200	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
4/18/2012	04/18/2012	17:05 649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4900	mg/L	4.2	10	4.2	1
PC-103 (201204130301)							Sampled on 04/12/2012 1309			
EPA 314.0 - Perchlorate Sterile Filtered										
	04/24/2012	19:53 650042	(EPA 314.0)	Perchlorate	17000	ug/L	0.25	2000	120	500
E160.1/SM2540C - Total Dissolved Solid (TDS)										
4/19/2012	04/19/2012	16:37 649339	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5200	mg/L	4.2	10	4.2	1
MW-K5 (201204130302)							Sampled on 04/12/2012 0921			
EPA 314.0 - Perchlorate Sterile Filtered										
	04/24/2012	20:15 650042	(EPA 314.0)	Perchlorate	19000	ug/L	0.25	2000	120	500
E160.1/SM2540C - Total Dissolved Solid (TDS)										
4/19/2012	04/19/2012	16:38 649339	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6300	mg/L	4.2	10	4.2	1
M-83 (201204130303)							Sampled on 04/12/2012 1409			
EPA 314.0 - Perchlorate Sterile Filtered										
	04/24/2012	20:37 650042	(EPA 314.0)	Perchlorate	80000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
4/19/2012	04/19/2012	16:35 649339	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	1700	mg/L	4.2	10	4.2	1
PC-98R (201204130304)							Sampled on 04/12/2012 1331			
EPA 314.0 - Perchlorate Sterile Filtered										

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: 393938

Environ International Corp.

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

Samples Received on:
04/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
	04/24/2012	21:00	650042	(EPA 314.0)	Perchlorate	20000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/19/2012	04/19/2012	16:39	649339	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6800	mg/L	4.2	10	4.2	1
PC-86 (201204130305)											
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	21:22	650042	(EPA 314.0)	Perchlorate	580	ug/L	0.25	200	12	50
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	16:50	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2200	mg/L	4.2	10	4.2	1
PC-90 (201204130306)											
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	21:45	650042	(EPA 314.0)	Perchlorate	9200	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	17:06	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3900	mg/L	4.2	10	4.2	1
PC-56 (201204130307)											
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	22:29	650042	(EPA 314.0)	Perchlorate	14000	ug/L	0.25	800	50	200
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	17:07	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4900	mg/L	4.2	10	4.2	1
PC-58 (201204130308)											
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	22:52	650042	(EPA 314.0)	Perchlorate	2000	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	17:08	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3100	mg/L	4.2	10	4.2	1
PC-59 (201204130309)											
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	23:14	650042	(EPA 314.0)	Perchlorate	4400	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	17:09	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3300	mg/L	4.2	10	4.2	1
PC-60 (201204130310)											

Sampled on 04/11/2012 0945

Sampled on 04/11/2012 0920

Sampled on 04/11/2012 1048

Sampled on 04/11/2012 1020

Sampled on 04/11/2012 1110

Sampled on 04/11/2012 1056



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**Laboratory Data
Report: 393938**

Environ International Corp.

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

Samples Received on:
04/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	23:37	650042	(EPA 314.0)	Perchlorate	3600	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	17:10	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2800	mg/L	4.2	10	4.2	1
<u>PC-62 (201204130311)</u>							Sampled on 04/11/2012 1130				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/24/2012	23:59	650042	(EPA 314.0)	Perchlorate	760	ug/L	0.25	40	2.5	10
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	17:11	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2200 ₀	mg/L	4.2	10	4.2	1
<u>PC-68 (201204130312)</u>							Sampled on 04/11/2012 1206				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/25/2012	00:21	650042	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	4	0.25	1
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/18/2012	04/18/2012	17:01	649189	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	1900	mg/L	4.2	10	4.2	1
<u>PC-122 (201204130313)</u>							Sampled on 04/12/2012 0838				
EPA 314.0 - Perchlorate Sterile Filtered											
	04/25/2012	00:44	650042	(EPA 314.0)	Perchlorate	20000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
4/19/2012	04/19/2012	16:40	649339	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	9600	mg/L	4.2	10	4.2	1



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Laboratory
QC Summary: 393938

Environ International Corp.

QC Ref # 648919 - Total Dissolved Solids (TDS)

201204130287 PC-91
201204130288 PC-97

Analysis Date: 04/17/2012

Analyzed by: JRF
Analyzed by: JRF

QC Ref # 649189 - Total Dissolved Solids (TDS)

201204130289 PC-18
201204130290 PC-55
201204130291 PC-101R
201204130292 MW-K4
201204130293 ARP-1
201204130294 ARP-2A
201204130295 ARP-3A
201204130296 ARP-4A
201204130297 ARP-5A
201204130298 ARP-6B
201204130299 ARP-7
201204130300 PC-53
201204130305 PC-86
201204130306 PC-90
201204130307 PC-56
201204130308 PC-58
201204130309 PC-59
201204130310 PC-60
201204130311 PC-62
201204130312 PC-68

Analysis Date: 04/18/2012

Analyzed by: JRF
Analyzed by: JRF
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QC Ref # 649218 - Perchlorate

201204130287 PC-91
201204130288 PC-97
201204130289 PC-18
201204130290 PC-55
201204130291 PC-101R
201204130292 MW-K4
201204130293 ARP-1
201204130294 ARP-2A
201204130295 ARP-3A
201204130296 ARP-4A

Analysis Date: 04/18/2012

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 # 649339 - Total Dissolved Solids (TDS)

201204130301 PC-103
201204130302 MW-K5
201204130303 M-83
201204130304 PC-98R
201204130313 PC-122

Analysis Date: 04/19/2012

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

QC Ref # 650042 - Perchlorate

201204130297 ARP-5A
201204130298 ARP-6B

Analysis Date: 04/24/2012

Analyzed by: LUPE
Analyzed by: LUPE



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Laboratory
QC Summary: 393938

Environ International Corp.

(continued)

201204130299	ARP-7	Analyzed by: LUPE
201204130300	PC-53	Analyzed by: LUPE
201204130301	PC-103	Analyzed by: LUPE
201204130302	MW-K5	Analyzed by: LUPE
201204130303	M-83	Analyzed by: LUPE
201204130304	PC-98R	Analyzed by: LUPE
201204130305	PC-86	Analyzed by: LUPE
201204130306	PC-90	Analyzed by: LUPE
201204130307	PC-56	Analyzed by: LUPE
201204130308	PC-58	Analyzed by: LUPE
201204130309	PC-59	Analyzed by: LUPE
201204130310	PC-60	Analyzed by: LUPE
201204130311	PC-62	Analyzed by: LUPE
201204130312	PC-68	Analyzed by: LUPE
201204130313	PC-122	Analyzed by: LUPE



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Laboratory QC
Report: 393938

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 648919 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 04/17/2012				
DUP_201204110816	Total Dissolved Solid (TDS)	2100		2110	mg/L		(0-20)	20	0.28
DUP_201204110815	Total Dissolved Solid (TDS)	2600		2580	mg/L		(0-20)	20	0.23
LCS1	Total Dissolved Solid (TDS)		175	176	mg/L	101	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	714	mg/L	102	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	12.0	mg/L	120	(50-150)		
QC Ref# 649189 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 04/18/2012				
DUP_201204130305	Total Dissolved Solid (TDS)	2200		2180	mg/L		(0-20)	20	0.46
DUP_201204130312	Total Dissolved Solid (TDS)	1900		1900	mg/L		(0-20)	20	0.53
LCS1	Total Dissolved Solid (TDS)		175	176	mg/L	101	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	718	mg/L	103	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	11.0	mg/L	110	(50-150)		
QC Ref# 649218 - Perchlorate by EPA 314.0					Analysis Date: 04/18/2012				
LCS1	Perchlorate		25	27.0	ug/L	108	(85-115)		
LCS2	Perchlorate		25	26.6	ug/L	106	(85-115)	15	1.5
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.49	ug/L	87	(75-125)		
MS_201204160116	Perchlorate	ND	25	24.1	ug/L	97	(80-120)		
MSD_201204160116	Perchlorate	ND	25	22.5	ug/L	90	(80-120)	15	6.9
QC Ref# 649339 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 04/19/2012				
DUP_201204130303	Total Dissolved Solid (TDS)	1700		1740	mg/L		(0-20)	20	0.46
DUP_201204130103	Total Dissolved Solid (TDS)	370		366	mg/L		(0-20)	20	0.0
LCS1	Total Dissolved Solid (TDS)		175	168	mg/L	96	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	686	mg/L	98	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	10.0	mg/L	100	(50-150)		
QC Ref# 650042 - Perchlorate by EPA 314.0					Analysis Date: 04/24/2012				
LCS1	Perchlorate		25	23.8	ug/L	95	(85-115)		
LCS2	Perchlorate		25	23.5	ug/L	94	(85-115)	15	1.3
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.44	ug/L	86	(75-125)		
MS_201204130297	Perchlorate	17000	25	26700	ug/L	81	(80-120)		
MSD_201204130297	Perchlorate	17000	25	27700	ug/L	89	(80-120)	15	3.7

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.