



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

Date of Issue

04/16/2012

Rita Reeves
MWH LABORATORIES

RSR: Rita Reeves
Project Manager



01114CA

Report: 392854
Project: CWA-RCRA
Group: Northgate

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 #: 392854
Project: CWA-RCRA
Sample Group: Northgate
Project Manager: Rita Reeves
Phone: 916-418-8358

The following samples were received from you on **April 03, 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
201204040044	Northshore Road - LVW 0.55	04/02/2012 1200
	Perchlorate	

Test Description



392854

MWLABS USE ONLY:

750 Royal Oaks Avenue #100 Monrovia, CA 91016
(626) 568-6400 (800) 566-5227

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

NPDES - Water Leaks / Once Thru Northshore Raod - LVW 0.55

Tronox LLC

Sampler - Eric Crawford

Tronox LLC
55
Henderson, NV 89009

PO Box

(702) 651-2234

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes)

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

Sterile Filter CLO4

SAMPLER COMMENTS

COMP

GRAB

MATRIX*

IDENTIFIER, STATE ID#

LOCATION

DATE

TIME

Northshore Raod - LVW 0.55

4/2/2012

12:00p

X

RSW

X

4/12

* MATRIX TYPES:

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

RGW = Raw Ground Water
RSW = Raw Surface Water

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

Reported by Weight:

SO = Soil
SL = Sludge

SIGNATURE

[Signature]

PRINT NAME

Eric Crawford

[Signature]

COMPANY/TITLE

Veolia Water NA

[Signature]

TIME

12:00pm

DATE

4/2/2012

[Signature]

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:



392854

M/LABS USE ONLY:

750 Royal Oaks Avenue #100 Menlo Park, CA 94016

(626) 568-6400 (800) 566-5227

SAMPLES CHECKED/LOGGED IN BY: msfs

SAMPLE TEMP, RECEIPT AT LAB: 2-8°C

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Tronox LLC

NPDES - Water Leaks / Once Thru Northshore Road - LVW 0.55

Sampler - Eric Crawford

Tronox LLC
55
Henderson, NV 89009

PO Box

(702) 651-2234

TIME DATE LOCATION

IDENTIFIER, STATE ID#

MATRIX * GRAB COMP

1200p 4/2/2012

Northshore Road - LVW 0.55

RSW X

Sterile Filter CLO4

X

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

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

SAMPLER COMMENTS

* MATRIX TYPES:

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

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

PRINT NAME

COMPANY/TITLE

TIME

DATE

Eric Crawford

Eric Crawford

Veolia Water NA

4/2/2012

12:00pm

[Signature]

[Signature]

[Signature]

April 16, 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 03, 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



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Laboratory Comments
Report: #392854



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**Laboratory Hits
Report: 392854**

Environ International Corp.

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

Samples Received on:
04/03/2012

Analyzed	Analyte	Sample ID	Result	FDA MCL	Units	MRL
04/13/2012 01:40	201204040044 Perchlorate	<u>Northshore Road - LVW 0.55</u>	57	6	ug/L	4



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Laboratory Data
Report: 392854

Environ International Corp.

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

Samples Received on:
04/03/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
Northshore Road - LVW 0.55 (201204040044)							Sampled on 04/02/2012 1200				
EPA 314.0 - Perchlorate Sterile Filtered											
04/13/2012	01:40	648412	(EPA 314.0)	Perchlorate	57	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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Laboratory
QC Summary: 392854

Environ International Corp.

QC Ref # 648412 - Perchlorate

201204040044

Northshore Road - LVW 0.55

Analysis Date: 04/13/2012

Analyzed by: LUPE



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Laboratory
QC Report: 392854

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 648412 - Perchlorate by EPA 314.0					Analysis Date: 04/12/2012				
LCS1	Perchlorate		25	23.1	ug/L	92	(85-115)		
LCS2	Perchlorate		25	24.3	ug/L	97	(85-115)	15	5.1
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.00	ug/L	75	(75-125)		
MS_201204020333	Perchlorate	ND	25	23.5	ug/L	94	(80-120)		
MSD_201204020333	Perchlorate	ND	25	26.1	ug/L	104	(80-120)	15	11

Spike recovery is already corrected for native results.

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

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

(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

12/12

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)