



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: 397510
Project: CWA-RCRA
Group: Quarterly CR6010
Testing

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

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

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



Acknowledgement of Samples Received

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 #: 397510
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 22, 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>201205230087</u>	M-13	05/21/2012 0949
	Chlorate by EPA 9056	Chromium Total ICAP RCRA
	Nitrate by EPA 9056	Perchlorate
	Total Dissolved Solid (TDS)	Nitrate as NO3 (calc)
		PH (H3=past HT not compliant)
<u>201205230088</u>	M-11	05/21/2012 1049
	Chlorate by EPA 9056	Chromium Total ICAP RCRA
	Nitrate as NO3 (calc)	Nitrate by EPA 9056
	PH (H3=past HT not compliant)	Total Dissolved Solid (TDS)
		CRVI7196
		Perchlorate
<u>201205230089</u>	M-10	05/21/2012 1225
	Chlorate by EPA 9056	Chromium Total ICAP RCRA
	Nitrate as NO3 (calc)	Nitrate by EPA 9056
	PH (H3=past HT not compliant)	Total Dissolved Solid (TDS)
		CRVI7196
		Perchlorate
<u>201205230090</u>	H-11	05/21/2012 1325
	Chromium Total ICAP RCRA	Perchlorate
	Total Dissolved Solid (TDS)	PH (H3=past HT not compliant)
<u>201205230091</u>	VD-6	05/21/2012 0800
	Chlorate by EPA 9056	Chromium Total ICAP RCRA
	Nitrate by EPA 9056	Perchlorate
	Total Dissolved Solid (TDS)	Nitrate as NO3 (calc)
		PH (H3=past HT not compliant)
<u>201205230092</u>	VD-7	05/21/2012 0800
	Chlorate by EPA 9056	Chromium Total ICAP RCRA
	Nitrate as NO3 (calc)	Nitrate by EPA 9056
	PH (H3=past HT not compliant)	Total Dissolved Solid (TDS)
		CRVI7196
		Perchlorate

Test Description



LABORATORIES

A Division of MWH Americas, Inc
750 Royal Oaks Drive Suite 100
Monrovia, CA 91016 (626) 386-1100 FAX (626) 386-1124

Kit #: 44428

Created AutoGenerated

Order Date: 02/06/2012

STG: Bottle Orders

Ship By:
01/22/2012

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

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

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

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

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

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

Kit Order for Environ International Corp.

Rita Reeves is Your MWH Labs Project Manager

**Sampler: please return
this paper with your samples**

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

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

Comments

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

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

From: (702) 566-6001
Russell Speckin
Veolia Water NA West LLC
510 Fourth St

Origin ID: LASA



J12101112190225

Henderson, NV 89015

Ship Date: 21MAY12
ActWgt: 56.0 LB
CAD: 5135271/NET3250

Delivery Address Bar Code



SHIP TO: (626) 568-6400
Linda Geddes
Montgomery Watson Labs
750 Royal Oaks Drive suite 100

BILL SENDER

Ref # Grabs Comp LVW Quarterly
Invoice #
PO #
Dept #

Monrovia, CA 91016

6 of 6

TUE - 22 MAY A1
PRIORITY OVERNIGHT

MPS# 7984 2112 5655

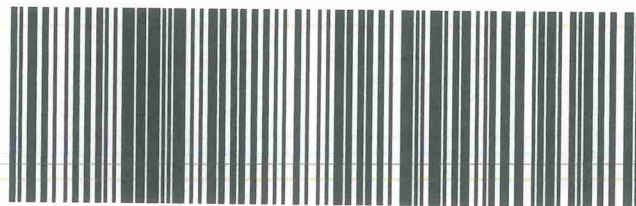
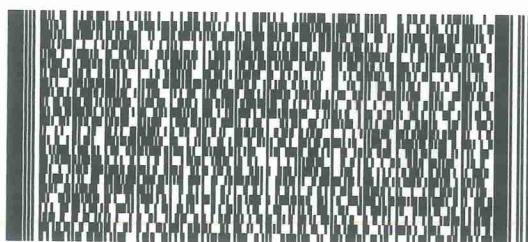
0263

Mstr# 7984 2112 5438

0201

91016
CA-US
BUR

QZ WHPA



512G3/61A4/A278

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

June 14, 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 22, 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:

Sample results are flagged H3 for CrVI 7196. Samples were received and analyzed past hold time. The data is not acceptable for compliance. Sample results on M-13 are flagged R1 for Chlorate. The RPD/RSD exceeded the method acceptance limit.

Other Observations:

There were no other observations on this sample set.

Sincerely,



Rita S. Sprinkle
Project Manager



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

Laboratory Comments
Report: #397510

Group Comments

Sample results are flagged H3 for CrVI 7196. Samples were received and analyzed past hold time. The data is not acceptable for compliance. Sample results on M-13 are flagged R1 for Chlorate. The RPD/RSD exceeded the method acceptance limit.

Flags Legend:

H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

R1 - RPD/RSD exceeded the method acceptance limit.



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Laboratory Data
Report: 397510

Environ International Corp.

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

Samples Received on:
05/22/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
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M-13 (201205230087)

Sampled on 05/21/2012 0949

EPA 6010 - ICP Metals

5/23/2012	06/08/2012	17:00	654859	(EPA 6010)	Chromium Total ICAP	0.70	mg/L	0.00044	0.02	0.00088	2
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EPA 9056 - Nitrate, Nitrite by EPA 300.0

05/22/2012	15:00	654999	(EPA 9056)	Nitrate as Nitrogen by IC	4.7	mg/L	0.0050	1	0.050	10
05/22/2012	15:00	654999	(EPA 300.0)	Nitrate as NO3 (calc)	21	mg/L	0.022	4.4	0.22	10

EPA 9056 - Disinfection ByProducts by 300.0

06/06/2012	21:15	656577	(EPA 9056)	Chlorate by IC	240000(R1)	ug/L	1.3	10000	1300	1000
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EPA 314.0 - Perchlorate Sterile Filtered

06/04/2012	22:12	656555	(EPA 314.0)	Perchlorate	21000	ug/L	0.25	4000	250	1000
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E160.1/SM2540C - Total Dissolved Solid (TDS)

5/25/2012	05/27/2012	20:27	655420	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3200	mg/L	4.2	10	4.2	1
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EPA 9040 - PH by EPA 9040

06/10/2012	16:35	655869	(EPA 9040)	PH (H3=past HT not compliant)	7.6	Units	0.10	0.1	0.10	1
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M-11 (201205230088)

Sampled on 05/21/2012 1049

EPA 6010 - ICP Metals

5/23/2012	06/08/2012	17:03	654859	(EPA 6010)	Chromium Total ICAP	2.3	mg/L	0.00044	0.05	0.0022	5
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EPA 9056 - Nitrate, Nitrite by EPA 300.0

05/22/2012	15:12	654999	(EPA 9056)	Nitrate as Nitrogen by IC	2.7	mg/L	0.0050	0.13	0.050	10
05/22/2012	15:12	654999	(EPA 300.0)	Nitrate as NO3 (calc)	12	mg/L	0.022	0.55	0.22	10

EPA 9056 - Disinfection ByProducts by 300.0

06/06/2012	22:30	656577	(EPA 9056)	Chlorate by IC	380000	ug/L	1.3	10000	1300	1000
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EPA 314.0 - Perchlorate Sterile Filtered

06/04/2012	22:57	656555	(EPA 314.0)	Perchlorate	29000	ug/L	0.25	4000	250	1000
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E160.1/SM2540C - Total Dissolved Solid (TDS)

5/25/2012	05/27/2012	20:28	655420	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2700	mg/L	4.2	10	4.2	1
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EPA 9040 - PH by EPA 9040

06/10/2012	16:39	655869	(EPA 9040)	PH (H3=past HT not compliant)	8.1	Units	0.10	0.1	0.10	1
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EPA 7196 - CRVI 7196

05/23/2012	19:07	655096	(EPA 7196)	Hexavalent chromium (Cr VI)	2.0(H3)	mg/L	0.0035	0.5	0.35	100
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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: 397510

Environ International Corp.

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

Samples Received on:
05/22/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<u>M-10 (201205230089)</u>							Sampled on 05/21/2012 1225				
EPA 6010 - ICP Metals											
5/23/2012	06/08/2012	17:07	654859	(EPA 6010)	Chromium Total ICAP	0.52	mg/L	0.00044	0.02	0.00088	2
EPA 9056 - Nitrate, Nitrite by EPA 300.0											
	05/22/2012	15:25	654999	(EPA 9056)	Nitrate as Nitrogen by IC	1.8	mg/L	0.0050	1	0.050	10
	05/22/2012	15:25	654999	(EPA 300.0)	Nitrate as NO3 (calc)	8.0	mg/L	0.022	4.4	0.22	10
EPA 9056 - Disinfection ByProducts by 300.0											
	06/06/2012	22:55	656577	(EPA 9056)	Chlorate by IC	120000	ug/L	1.3	10000	1300	1000
EPA 314.0 - Perchlorate Sterile Filtered											
	06/04/2012	23:20	656555	(EPA 314.0)	Perchlorate	13000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
5/25/2012	05/27/2012	20:29	655420	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2800	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040											
	06/10/2012	16:44	655869	(EPA 9040)	PH (H3=past HT not compliant)	7.4	Units	0.10	0.1	0.10	1
EPA 7196 - CRVI 7196											
	05/23/2012	19:08	655096	(EPA 7196)	Hexavalent chromium (Cr VI)	0.032(H3)	mg/L	0.0035	0.005	0.0035	1
<u>H-11 (201205230090)</u>							Sampled on 05/21/2012 1325				
EPA 6010 - ICP Metals											
5/23/2012	06/08/2012	17:10	654859	(EPA 6010)	Chromium Total ICAP	0.19J	mg/L	0.00044	0.2	0.0088	20
EPA 314.0 - Perchlorate Sterile Filtered											
	06/04/2012	23:42	656555	(EPA 314.0)	Perchlorate	42	ug/L	0.25	4	0.25	1
E160.1/SM2540C - Total Dissolved Solid (TDS)											
5/25/2012	05/27/2012	20:30	655420	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	1100	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040											
	06/10/2012	16:48	655869	(EPA 9040)	PH (H3=past HT not compliant)	4.0	Units	0.10	0.1	0.10	1
<u>VD-6 (201205230091)</u>							Sampled on 05/21/2012 0800				
EPA 6010 - ICP Metals											
5/23/2012	06/08/2012	17:21	654859	(EPA 6010)	Chromium Total ICAP	0.70	mg/L	0.00044	0.02	0.00088	2
EPA 9056 - Nitrate, Nitrite by EPA 300.0											
	05/22/2012	15:38	654999	(EPA 9056)	Nitrate as Nitrogen by IC	5.0	mg/L	0.0050	1	0.050	10

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

Rounding on totals after summation.

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Laboratory Data
Report: 397510

Environ International Corp.

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

Samples Received on:
05/22/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
	05/22/2012	15:38 654999	(EPA 300.0)	Nitrate as NO3 (calc)	22	mg/L	0.022	4.4	0.22	10
EPA 9056 - Disinfection ByProducts by 300.0										
	06/06/2012	23:20 656577	(EPA 9056)	Chlorate by IC	230000	ug/L	1.3	50000	6500	5000
EPA 314.0 - Perchlorate Sterile Filtered										
	06/05/2012	00:04 656555	(EPA 314.0)	Perchlorate	20000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
5/25/2012	05/27/2012	20:31 655420	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3200	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	06/10/2012	16:52 655869	(EPA 9040)	PH (H3=past HT not compliant)	7.5	Units	0.10	0.1	0.10	1
<u>VD-7 (201205230092)</u>							Sampled on 05/21/2012 0800			
EPA 6010 - ICP Metals										
5/23/2012	06/08/2012	17:25 654859	(EPA 6010)	Chromium Total ICAP	0.58	mg/L	0.00044	0.02	0.00088	2
EPA 9056 - Nitrate, Nitrite by EPA 300.0										
	05/22/2012	15:51 654999	(EPA 9056)	Nitrate as Nitrogen by IC	1.8	mg/L	0.0050	1	0.050	10
	05/22/2012	15:51 654999	(EPA 300.0)	Nitrate as NO3 (calc)	8.1	mg/L	0.022	4.4	0.22	10
EPA 9056 - Disinfection ByProducts by 300.0										
	06/06/2012	23:45 656577	(EPA 9056)	Chlorate by IC	110000	ug/L	1.3	50000	6500	5000
EPA 314.0 - Perchlorate Sterile Filtered										
	06/05/2012	00:27 656555	(EPA 314.0)	Perchlorate	14000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
5/25/2012	05/27/2012	20:32 655420	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2800	mg/L	4.2	10	4.2	1
EPA 9040 - PH by EPA 9040										
	06/10/2012	16:56 655869	(EPA 9040)	PH (H3=past HT not compliant)	7.4	Units	0.10	0.1	0.10	1
EPA 7196 - CRVI 7196										
	05/23/2012	19:18 655096	(EPA 7196)	Hexavalent chromium (Cr VI)	0.035(H3)	mg/L	0.0035	0.005	0.0035	1

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

Rounding on totals after summation.

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**Laboratory
QC Summary: 397510**

Environ International Corp.

QC Ref # 654859 - ICP Metals

201205230087 M-13
201205230088 M-11
201205230089 M-10
201205230090 H-11
201205230091 VD-6
201205230092 VD-7

Analysis Date: 06/08/2012

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

QC Ref # 654999 - Nitrate, Nitrite by EPA 300.0

201205230087 M-13
201205230088 M-11
201205230089 M-10
201205230091 VD-6
201205230092 VD-7

Analysis Date: 05/22/2012

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

QC Ref # 655096 - Hexavalent Chromium by EPA 7196

201205230088 M-11
201205230089 M-10
201205230092 VD-7

Analysis Date: 05/23/2012

Analyzed by: KXS
Analyzed by: KXS
Analyzed by: KXS

QC Ref # 655420 - Total Dissolved Solids (TDS)

201205230087 M-13
201205230088 M-11
201205230089 M-10
201205230090 H-11
201205230091 VD-6
201205230092 VD-7

Analysis Date: 05/27/2012

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)

201205230087 M-13
201205230088 M-11
201205230089 M-10
201205230090 H-11
201205230091 VD-6
201205230092 VD-7

Analysis Date: 06/10/2012

Analyzed by: SFL
Analyzed by: SFL
Analyzed by: SFL
Analyzed by: SFL
Analyzed by: SFL
Analyzed by: SFL

QC Ref # 656555 - Perchlorate

201205230087 M-13
201205230088 M-11
201205230089 M-10
201205230090 H-11
201205230091 VD-6
201205230092 VD-7

Analysis Date: 06/04/2012

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

QC Ref # 656577 - Disinfection ByProducts by 300.0

201205230087 M-13
201205230088 M-11
201205230089 M-10

Analysis Date: 06/06/2012

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



MWH

LABORATORIES

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Laboratory
QC Summary: 397510

Environ International Corp.

(continued)

201205230091	VD-6	Analyzed by: LUPE
201205230092	VD-7	Analyzed by: LUPE



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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 654859 - ICP Metals by EPA 6010						Analysis Date: 06/08/2012			
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
QC Ref# 654999 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0						Analysis Date: 05/22/2012			
LCS1	Nitrate as Nitrogen by IC		2.5	2.61	mg/L	104	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.59	mg/L	104	(90-110)	20	0.77
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrate as Nitrogen by IC		0.05	0.0507	mg/L	101	(50-150)		
MRLW	Nitrate as Nitrogen by IC		0.013	0.0109	mg/L	87	(50-150)		
MS_201205220282	Nitrate as Nitrogen by IC	3.4	1.3	4.88	mg/L	115	(80-120)		
MS_201205210053	Nitrate as Nitrogen by IC	ND	1.3	1.4	mg/L	107	(80-120)		
MSD_201205210053	Nitrate as Nitrogen by IC	ND	1.3	1.39	mg/L	107	(80-120)	20	0.72
MSD_201205220282	Nitrate as Nitrogen by IC	3.4	1.3	4.89	mg/L	117	(80-120)	20	0.21
QC Ref# 655096 - Hexavalent Chromium by EPA 7196 by EPA 7196						Analysis Date: 05/23/2012			
LCS1	Hexavalent chromium (Cr VI)		0.05	0.0530	mg/L	106	(85-115)		
LCS2	Hexavalent chromium (Cr VI)		0.05	0.0490	mg/L	98	(85-115)		
MBLK	Hexavalent chromium (Cr VI)			<0.005	mg/L				
MRL_CHK	Hexavalent chromium (Cr VI)		0.005	0.00300	mg/L	60	(50-150)		
MS_201205230089	Hexavalent chromium (Cr VI)		0.05	5.61	mg/L	105	(85-115)		
MSD_201205230089	Hexavalent chromium (Cr VI)		0.05	5.76	mg/L	108	(85-115)	20	2.8
QC Ref# 655420 - Total Dissolved Solids (TDS) by E160.1/SM2540C						Analysis Date: 05/27/2012			
DUP_201205240132	Total Dissolved Solid (TDS)	2100		2160	mg/L		(0-20)	20	0.47
DUP_201205220379	Total Dissolved Solid (TDS)	2800		2800	mg/L		(0-20)	20	0.072
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)		
QC Ref# 655869 - PH (H3=past HT not compliant) by EPA 9040						Analysis Date: 06/10/2012			
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

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: 397510

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
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
QC Ref# 656555 - Perchlorate by EPA 314.0						Analysis Date: 06/04/2012			
LCS1	Perchlorate		25	26.6	ug/L	106	(85-115)		
LCS2	Perchlorate		25	26.5	ug/L	106	(85-115)	15	0.38
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.72	ug/L	93	(75-125)		
MS_201205220010	Perchlorate	ND	25	31.4	ug/L	112	(80-120)		
MSD_201205220010	Perchlorate	ND	25	32.0	ug/L	114	(80-120)	15	1.9
QC Ref# 656577 - Disinfection ByProducts by 300.0 by EPA 9056						Analysis Date: 06/06/2012			
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)		
MSD_201205230087	Chlorate by IC	240000	100	338000	ug/L	102	(80-120)	15	<u>200</u>

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.