



MWH

LABORATORIES

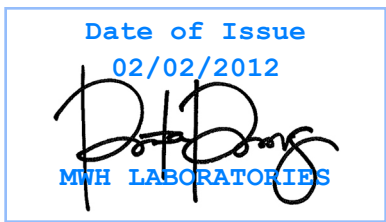
A Division of MWH Americas, Inc.

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 Reeves
Project Manager



Report#: 385707
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

Environ International Corp.

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

Customer Code: ENVIRON-NVTRUST
Folder #: 385707
Project: CWA-RCRA
Sample Group: Monthly PC/ARP Wells
Project Manager: Rita Reeves
Phone: 916-418-8358

The following samples were received from you on **January 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>201201140183</u>	MW-K4	Jan 12, 2012 11:08
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140184</u>	ARP-1	Jan 11, 2012 13:30
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140185</u>	ARP-2A	Jan 12, 2012 11:43
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140186</u>	ARP-3A	Jan 12, 2012 11:22
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140187</u>	ARP-4A	Jan 12, 2012 10:51
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140188</u>	ARP-5A	Jan 12, 2012 10:36
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140189</u>	ARP-6B	Jan 12, 2012 10:24
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140190</u>	ARP-7	Jan 12, 2012 10:13
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140191</u>	PC-53	Jan 12, 2012 09:42
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140192</u>	PC-103	Jan 12, 2012 12:35
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140193</u>	MW-K5	Jan 12, 2012 09:57
	Perchlorate Total Dissolved Solid (TDS)	



Acknowledgement of Samples Received

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Customer Code: ENVIRON-NVTRUST
Folder #: 385707
Project: CWA-RCRA
Sample Group: Monthly PC/ARP Wells
Project Manager: Rita Reeves
Phone: 916-418-8358

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Sample #	Sample ID	Sample Date
<u>201201140194</u>	ART-7B	Jan 12, 2012 09:17
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140195</u>	M-83	Jan 12, 2012 13:35
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140196</u>	PC-98R	Jan 12, 2012 13:05
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140197</u>	PC-86	Jan 11, 2012 09:48
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140198</u>	PC-90	Jan 11, 2012 09:32
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140199</u>	PC-56	Jan 11, 2012 10:39
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140200</u>	PC-58	Jan 11, 2012 10:20
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140201</u>	PC-59	Jan 11, 2012 11:05
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140202</u>	PC-60	Jan 11, 2012 10:53
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140203</u>	PC-62	Jan 11, 2012 11:18
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140204</u>	PC-68	Jan 11, 2012 11:38
	Perchlorate Total Dissolved Solid (TDS)	



Acknowledgement of Samples Received

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Customer Code: ENVIRON-NVTRUST
Folder #: 385707
Project: CWA-RCRA
Sample Group: Monthly PC/ARP Wells
Project Manager: Rita Reeves
Phone: 916-418-8358

The following samples were received from you on **January 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>201201140205</u>	PC-122	Jan 12, 2012 09:27
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140206</u>	PC-91	Jan 11, 2012 10:02
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140207</u>	PC-97	Jan 11, 2012 09:13
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140208</u>	PC-18	Jan 11, 2012 12:02
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140209</u>	PC-55	Jan 11, 2012 13:15
	Perchlorate Total Dissolved Solid (TDS)	
<u>201201140210</u>	PC-101R	Jan 12, 2012 12:10
	Perchlorate Total Dissolved Solid (TDS)	

Test Description



MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

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: 5.6

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

385707

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME Nevada Environmental Response Trust Sampler Michele Brown	PROJECT JOB # / P.O.# CWA-RCRA Collection Wells Fields - Monthly - SO #12374	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES	<input checked="" type="checkbox"/> (check for yes)
--	--	---	---

Nevada Environmental Response Trust 35 Wacker Suite 1550 Chicago, IL 60606		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)	
--	--	--	--

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	STERILE CLO ₄	TDS	CLO ₄	CR	CLO ₃	NO ₃	SAMPLER COMMENTS
11:08A	1-12-12		MW-K4	RSW	X		X	X	X				
130P	1-11-12		ARP-1	RSW	X		X	X	X				
1143A	1-12-12		ARP-2A	RSW	X		X	X	X				
1122A	1-12-12		ARP-3A	RSW	X		X	X	X				
1021A	1-12-12		ARP-4A	RSW	X		X	X	X				
1030A	1-12-12		ARP-5A	RSW	X		X	X	X				
1034A	1-12-12		ARP-6B	RSW	X		X	X	X				
1013A	1-12-12		ARP-7	RSW	X		X	X	X				
942A	1-12-12		PC-53	RSW	X		X	X	X				
1235P	1-12-12		PC-103	RSW	X		X	X	X				
957A	1-12-12		MW-K5	RSW	X		X	X	X				
9117A	1-12-12		ART-7B	RSW	X		X	X	X				

* 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: <u>Michele Brown</u>	SIGNATURE	COMPANY/TITLE	DATE	TIME
RECEIVED BY: <u>[Signature]</u>		Veolia Water for Nevada Environmental Response Trust	1-12-12	1200pm
RELINQUISHED BY:				
RECEIVED BY:				



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

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

M/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: *W/S*

SAMPLE TEMP, RECEIPT AT LAB: *5.2*

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
 Sampler: Michele Brown
 Location: Nevada Environmental Response Trust, 35 Wacker Suite 1550, Chicago, IL 60606

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	STERILE CLO ₄	TDS	CLO ₄	CLO ₃	NO ₃	CR	SAMPLER COMMENTS
1002A	1-11-12		PC-91	RSW	X		X	X					
913A	1-11-12		PC-97	RSW	X		X	X					
1207A	1-11-12		PC-18	RSW	X		X	X					
1150	1-11-12		PC-55	RSW	X		X	X					
1210B	1-12-12		PC-101R	RSW	X		X	X					

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

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

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

RGW = Raw Ground Water
 RSW = Raw Surface Water

RELINQUISHED BY: *Michele Brown* SIGNATURE
 RECEIVED BY: *Chris Calopera* SIGNATURE
 RELINQUISHED BY: _____
 RECEIVED BY: _____

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

DATE: 1-12-12
 1/13/12
 TIME: 1200pm
 1127

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: Monthly PC/ARP Wells
PO#/JOB#:

Kit #: 42299
Created AutoGenerated
Order Date: 05/16/2011
STG: Bottle Orders

Ship By:
05/06/2011

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

# of samples Tests	Bottles - Qty for each sample, type & preservative if any	UN DOT #
35	Perchlorate Sterile Filtered	
35	Total Dissolved Solid (TDS)	

Comments
Monthly PC/ARP Wells - do NOT prelabel bottles Extra bottles included

9/26

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

February 01, 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 January 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

LABORATORIES

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

Laboratory Comments
Report: #385707



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Laboratory
Hits Report: 385707

Environ International Corp.

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

Samples Received on:
01/13/2012

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
201201140183 <u>MW-K4</u>						
01/19/2012 06:14	Perchlorate		230000	6	ug/L	40000
01/18/2012 20:11	Total Dissolved Solids (TDS)		6500	500	mg/L	10
201201140184 <u>ARP-1</u>						
01/19/2012 06:36	Perchlorate		14000	6	ug/L	800
01/17/2012 23:01	Total Dissolved Solids (TDS)		5900	500	mg/L	10
201201140185 <u>ARP-2A</u>						
01/19/2012 06:58	Perchlorate		5900	6	ug/L	400
01/18/2012 20:12	Total Dissolved Solids (TDS)		6300	500	mg/L	10
201201140186 <u>ARP-3A</u>						
01/19/2012 07:21	Perchlorate		3700	6	ug/L	400
01/18/2012 20:13	Total Dissolved Solids (TDS)		8000	500	mg/L	10
201201140187 <u>ARP-4A</u>						
01/19/2012 07:43	Perchlorate		26000	6	ug/L	4000
01/18/2012 20:14	Total Dissolved Solids (TDS)		4600	500	mg/L	10
201201140188 <u>ARP-5A</u>						
01/19/2012 08:06	Perchlorate		16000	6	ug/L	2000
01/18/2012 20:15	Total Dissolved Solids (TDS)		5800	500	mg/L	10
201201140189 <u>ARP-6B</u>						
01/19/2012 08:28	Perchlorate		25000	6	ug/L	4000
01/18/2012 20:18	Total Dissolved Solids (TDS)		8400	500	mg/L	10
201201140190 <u>ARP-7</u>						
01/19/2012 08:50	Perchlorate		4800	6	ug/L	400
01/18/2012 20:19	Total Dissolved Solids (TDS)		6100	500	mg/L	10
201201140191 <u>PC-53</u>						
01/19/2012 09:15	Perchlorate		3600	6	ug/L	400
01/18/2012 20:20	Total Dissolved Solids (TDS)		5000	500	mg/L	10
201201140192 <u>PC-103</u>						
01/23/2012 17:26	Perchlorate		15000	6	ug/L	2000
01/18/2012 20:21	Total Dissolved Solids (TDS)		5100	500	mg/L	10
201201140193 <u>MW-K5</u>						



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Laboratory
Hits Report: 385707

Environ International Corp.

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

Samples Received on:
01/13/2012

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
01/23/2012 17:48	Perchlorate		20000	6	ug/L	2000
01/18/2012 20:22	Total Dissolved Solids (TDS)		6800	500	mg/L	10
	201201140194	<u>ART-7B</u>				
01/23/2012 18:10	Perchlorate		230000	6	ug/L	40000
01/18/2012 20:23	Total Dissolved Solids (TDS)		7900	500	mg/L	10
	201201140195	<u>M-83</u>				
01/23/2012 18:33	Perchlorate		65000	6	ug/L	4000
01/18/2012 20:16	Total Dissolved Solids (TDS)		1600	500	mg/L	10
	201201140196	<u>PC-98R</u>				
01/23/2012 18:55	Perchlorate		19000	6	ug/L	4000
01/18/2012 20:24	Total Dissolved Solids (TDS)		6800	500	mg/L	10
	201201140197	<u>PC-86</u>				
01/23/2012 19:18	Perchlorate		250	6	ug/L	200
01/17/2012 23:02	Total Dissolved Solids (TDS)		2200	500	mg/L	10
	201201140198	<u>PC-90</u>				
01/23/2012 19:40	Perchlorate		7600	6	ug/L	400
01/17/2012 23:03	Total Dissolved Solids (TDS)		3700	500	mg/L	10
	201201140199	<u>PC-56</u>				
01/23/2012 20:02	Perchlorate		15000	6	ug/L	800
01/17/2012 23:04	Total Dissolved Solids (TDS)		5000	500	mg/L	10
	201201140200	<u>PC-58</u>				
01/23/2012 20:25	Perchlorate		1900	6	ug/L	400
01/17/2012 23:05	Total Dissolved Solids (TDS)		3000	500	mg/L	10
	201201140201	<u>PC-59</u>				
01/23/2012 20:47	Perchlorate		5100	6	ug/L	400
01/17/2012 23:08	Total Dissolved Solids (TDS)		3500	500	mg/L	10
	201201140202	<u>PC-60</u>				
01/23/2012 21:32	Perchlorate		2900	6	ug/L	400
01/17/2012 23:09	Total Dissolved Solids (TDS)		2600	500	mg/L	10
	201201140203	<u>PC-62</u>				
01/25/2012 15:12	Perchlorate		190	6	ug/L	40



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Laboratory
Hits Report: 385707

Environ International Corp.

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

Samples Received on:
01/13/2012

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
01/17/2012 23:10	Total Dissolved Solids (TDS)	201201140204 <u>PC-68</u>	2000	500	mg/L	10
01/17/2012 23:11	Total Dissolved Solids (TDS)	201201140205 <u>PC-122</u>	1800	500	mg/L	10
01/23/2012 22:39	Perchlorate		16000	6	ug/L	4000
01/17/2012 23:12	Total Dissolved Solids (TDS)	201201140206 <u>PC-91</u>	8400	500	mg/L	10
01/23/2012 23:02	Perchlorate		5100	6	ug/L	400
01/17/2012 23:13	Total Dissolved Solids (TDS)	201201140207 <u>PC-97</u>	3200	500	mg/L	10
01/23/2012 23:24	Perchlorate		750	6	ug/L	400
01/17/2012 23:14	Total Dissolved Solids (TDS)	201201140208 <u>PC-18</u>	2600	500	mg/L	10
01/23/2012 23:46	Perchlorate		170000	6	ug/L	40000
01/17/2012 23:15	Total Dissolved Solids (TDS)	201201140209 <u>PC-55</u>	9700	500	mg/L	10
01/24/2012 00:09	Perchlorate		920	6	ug/L	80
01/17/2012 23:16	Total Dissolved Solids (TDS)	201201140210 <u>PC-101R</u>	7600	500	mg/L	10
01/24/2012 00:31	Perchlorate		160000	6	ug/L	20000
01/18/2012 20:25	Total Dissolved Solids (TDS)		10000	500	mg/L	10



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Laboratory Data
Report: 385707

Environ International Corp.

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

Samples Received on:
01/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<u>MW-K4 (201201140183)</u>							Sampled on 01/12/2012 1108				
EPA 314.0 - Perchlorate Sterile Filtered											
01/19/2012	06:14	634525	(EPA 314.0)	Perchlorate	230000	ug/L	0.25	40000	2500	10000	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/18/2012	01/18/2012	20:11	634678	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6500	mg/L	4.2	10	4.2 1	
<u>ARP-1 (201201140184)</u>							Sampled on 01/11/2012 1330				
EPA 314.0 - Perchlorate Sterile Filtered											
01/19/2012	06:36	634525	(EPA 314.0)	Perchlorate	14000	ug/L	0.25	800	50	200	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/17/2012	01/17/2012	23:01	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5900	mg/L	4.2	10	4.2 1	
<u>ARP-2A (201201140185)</u>							Sampled on 01/12/2012 1143				
EPA 314.0 - Perchlorate Sterile Filtered											
01/19/2012	06:58	634525	(EPA 314.0)	Perchlorate	5900	ug/L	0.25	400	25	100	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/18/2012	01/18/2012	20:12	634678	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	6300	mg/L	4.2	10	4.2 1	
<u>ARP-3A (201201140186)</u>							Sampled on 01/12/2012 1122				
EPA 314.0 - Perchlorate Sterile Filtered											
01/19/2012	07:21	634525	(EPA 314.0)	Perchlorate	3700	ug/L	0.25	400	25	100	
E160.1/SM2540C - Total Dissolved Solid (TDS)											

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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750 Royal Oak Dr., Suite 100
Monrovia, California, 91016-3629
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1 800 566 LABS (1 800 566 5227)

Laboratory Data
Report: 385707

Environ International Corp.

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

Samples Received on:
01/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
1/18/2012	01/18/2012 20:13	634678	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8000	mg/L	4.2	10	4.2	1	
<u>ARP-4A (201201140187)</u>							Sampled on 01/12/2012 1051				
EPA 314.0 - Perchlorate Sterile Filtered											
	01/19/2012 07:43	634525	(EPA 314.0)	Perchlorate	26000	ug/L	0.25	4000	250	1000	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/18/2012	01/18/2012 20:14	634678	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	4600	mg/L	4.2	10	4.2	1	
<u>ARP-5A (201201140188)</u>							Sampled on 01/12/2012 1036				
EPA 314.0 - Perchlorate Sterile Filtered											
	01/19/2012 08:06	634525	(EPA 314.0)	Perchlorate	16000	ug/L	0.25	2000	120	500	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/18/2012	01/18/2012 20:15	634678	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5800	mg/L	4.2	10	4.2	1	
<u>ARP-6B (201201140189)</u>							Sampled on 01/12/2012 1024				
EPA 314.0 - Perchlorate Sterile Filtered											
	01/19/2012 08:28	634525	(EPA 314.0)	Perchlorate	25000	ug/L	0.25	4000	250	1000	
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/18/2012	01/18/2012 20:18	634678	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8400	mg/L	4.2	10	4.2	1	
<u>ARP-7 (201201140190)</u>							Sampled on 01/12/2012 1013				
EPA 314.0 - Perchlorate Sterile Filtered											
	01/19/2012 08:50	634525	(EPA 314.0)	Perchlorate	4800	ug/L	0.25	400	25	100	

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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Laboratory Data
Report: 385707

Environ International Corp.

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

Samples Received on:
01/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/18/2012	01/18/2012	20:19	634678	(E160.1/SM2540C) Total Dissolved Solids (TDS)	6100	mg/L	4.2	10	4.2	1
<u>PC-53 (201201140191)</u>							Sampled on 01/12/2012 0942			
EPA 314.0 - Perchlorate Sterile Filtered										
	01/19/2012	09:15	634525	(EPA 314.0) Perchlorate	3600	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/18/2012	01/18/2012	20:20	634678	(E160.1/SM2540C) Total Dissolved Solids (TDS)	5000	mg/L	4.2	10	4.2	1
<u>PC-103 (201201140192)</u>							Sampled on 01/12/2012 1235			
EPA 314.0 - Perchlorate Sterile Filtered										
	01/23/2012	17:26	635551	(EPA 314.0) Perchlorate	15000	ug/L	0.25	2000	120	500
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/18/2012	01/18/2012	20:21	634678	(E160.1/SM2540C) Total Dissolved Solids (TDS)	5100	mg/L	4.2	10	4.2	1
<u>MW-K5 (201201140193)</u>							Sampled on 01/12/2012 0957			
EPA 314.0 - Perchlorate Sterile Filtered										
	01/23/2012	17:48	635551	(EPA 314.0) Perchlorate	20000	ug/L	0.25	2000	120	500
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/18/2012	01/18/2012	20:22	634678	(E160.1/SM2540C) Total Dissolved Solids (TDS)	6800	mg/L	4.2	10	4.2	1
<u>ART-7B (201201140194)</u>							Sampled on 01/12/2012 0917			
EPA 314.0 - Perchlorate Sterile Filtered										
	01/23/2012	18:10	635551	(EPA 314.0) Perchlorate	230000	ug/L	0.25	40000	2500	10000

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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Laboratory Data
Report: 385707

Environ International Corp.

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

Samples Received on:
01/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/18/2012	01/18/2012	20:23	634678	(E160.1/SM2540C) Total Dissolved Solids (TDS)	7900	mg/L	4.2	10	4.2	1
<u>M-83 (201201140195)</u>							Sampled on 01/12/2012 1335			
EPA 314.0 - Perchlorate Sterile Filtered										
	01/23/2012	18:33	635551	(EPA 314.0) Perchlorate	65000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/18/2012	01/18/2012	20:16	634678	(E160.1/SM2540C) Total Dissolved Solids (TDS)	1600	mg/L	4.2	10	4.2	1
<u>PC-98R (201201140196)</u>							Sampled on 01/12/2012 1305			
EPA 314.0 - Perchlorate Sterile Filtered										
	01/23/2012	18:55	635551	(EPA 314.0) Perchlorate	19000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/18/2012	01/18/2012	20:24	634678	(E160.1/SM2540C) Total Dissolved Solids (TDS)	6800	mg/L	4.2	10	4.2	1
<u>PC-86 (201201140197)</u>							Sampled on 01/11/2012 0948			
EPA 314.0 - Perchlorate Sterile Filtered										
	01/23/2012	19:18	635551	(EPA 314.0) Perchlorate	250	ug/L	0.25	200	12	50
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/17/2012	01/17/2012	23:02	634543	(E160.1/SM2540C) Total Dissolved Solids (TDS)	2200	mg/L	4.2	10	4.2	1
<u>PC-90 (201201140198)</u>							Sampled on 01/11/2012 0932			
EPA 314.0 - Perchlorate Sterile Filtered										

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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**Laboratory Data
Report: 385707**

Environ International Corp.

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Phoenix, AZ 85016

Samples Received on:
01/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
	01/23/2012 19:40	635551	(EPA 314.0)	Perchlorate	7600	ug/L	0.25	400	25	100

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

1/17/2012	01/17/2012 23:03	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3700	mg/L	4.2	10	4.2	1
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PC-56 (201201140199)

Sampled on 01/11/2012 1039

EPA 314.0 - Perchlorate Sterile Filtered

01/23/2012 20:02	635551	(EPA 314.0)	Perchlorate	15000	ug/L	0.25	800	50	200
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E160.1/SM2540C - Total Dissolved Solid (TDS)

1/17/2012	01/17/2012 23:04	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	5000	mg/L	4.2	10	4.2	1
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PC-58 (201201140200)

Sampled on 01/11/2012 1020

EPA 314.0 - Perchlorate Sterile Filtered

01/23/2012 20:25	635551	(EPA 314.0)	Perchlorate	1900	ug/L	0.25	400	25	100
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E160.1/SM2540C - Total Dissolved Solid (TDS)

1/17/2012	01/17/2012 23:05	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3000	mg/L	4.2	10	4.2	1
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PC-59 (201201140201)

Sampled on 01/11/2012 1105

EPA 314.0 - Perchlorate Sterile Filtered

01/23/2012 20:47	635551	(EPA 314.0)	Perchlorate	5100	ug/L	0.25	400	25	100
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E160.1/SM2540C - Total Dissolved Solid (TDS)

1/17/2012	01/17/2012 23:08	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3500	mg/L	4.2	10	4.2	1
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PC-60 (201201140202)

Sampled on 01/11/2012 1053

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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Laboratory Data
Report: 385707

Environ International Corp.

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

Samples Received on:
01/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
EPA 314.0 - Perchlorate Sterile Filtered											
	01/23/2012	21:32	635551	(EPA 314.0)	Perchlorate	2900	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/17/2012	01/17/2012	23:09	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2600	mg/L	4.2	10	4.2	1
<u>PC-62 (201201140203)</u>							Sampled on 01/11/2012 1118				
EPA 314.0 - Perchlorate Sterile Filtered											
	01/25/2012	15:12	635959	(EPA 314.0)	Perchlorate	190	ug/L	0.25	40	2.5	10
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/17/2012	01/17/2012	23:10	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2000	mg/L	4.2	10	4.2	1
<u>PC-68 (201201140204)</u>							Sampled on 01/11/2012 1138				
EPA 314.0 - Perchlorate Sterile Filtered											
	01/23/2012	22:17	635551	(EPA 314.0)	Perchlorate	2.1J	ug/L	0.25	4	0.25	1
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/17/2012	01/17/2012	23:11	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	1800	mg/L	4.2	10	4.2	1
<u>PC-122 (201201140205)</u>							Sampled on 01/12/2012 0927				
EPA 314.0 - Perchlorate Sterile Filtered											
	01/23/2012	22:39	635551	(EPA 314.0)	Perchlorate	16000	ug/L	0.25	4000	250	1000
E160.1/SM2540C - Total Dissolved Solid (TDS)											
1/17/2012	01/17/2012	23:12	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	8400	mg/L	4.2	10	4.2	1
<u>PC-91 (201201140206)</u>							Sampled on 01/11/2012 1002				

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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Laboratory Data
Report: 385707

Environ International Corp.

John M. Pekala, P.G.
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Suite 412
Phoenix, AZ 85016

Samples Received on:
01/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
EPA 314.0 - Perchlorate Sterile Filtered										
01/23/2012	23:02	635551	(EPA 314.0)	Perchlorate	5100	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/17/2012	01/17/2012	23:13	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	3200	mg/L	4.2	10	4.2 1
<u>PC-97 (201201140207)</u>							Sampled on 01/11/2012 0913			
EPA 314.0 - Perchlorate Sterile Filtered										
01/23/2012	23:24	635551	(EPA 314.0)	Perchlorate	750	ug/L	0.25	400	25	100
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/17/2012	01/17/2012	23:14	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	2600	mg/L	4.2	10	4.2 1
<u>PC-18 (201201140208)</u>							Sampled on 01/11/2012 1202			
EPA 314.0 - Perchlorate Sterile Filtered										
01/23/2012	23:46	635551	(EPA 314.0)	Perchlorate	170000	ug/L	0.25	40000	2500	10000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/17/2012	01/17/2012	23:15	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	9700	mg/L	4.2	10	4.2 1
<u>PC-55 (201201140209)</u>							Sampled on 01/11/2012 1315			
EPA 314.0 - Perchlorate Sterile Filtered										
01/24/2012	00:09	635551	(EPA 314.0)	Perchlorate	920	ug/L	0.25	80	5.0	20
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/17/2012	01/17/2012	23:16	634543	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	7600	mg/L	4.2	10	4.2 1
<u>PC-101R (201201140210)</u>							Sampled on 01/12/2012 1210			

Rounding on totals after summation.
(c) - indicates calculated results

Sample Quantitation Limit (SQL) =
MDL * Dilution Factor



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**Laboratory Data
Report: 385707**

Environ International Corp.

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Phoenix, AZ 85016

Samples Received on:
01/13/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution
EPA 314.0 - Perchlorate Sterile Filtered										
	01/24/2012 00:31	635551	(EPA 314.0)	Perchlorate	160000	ug/L	0.25	20000	1200	5000
E160.1/SM2540C - Total Dissolved Solid (TDS)										
1/18/2012	01/18/2012 20:25	634678	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	10000	mg/L	4.2	10	4.2	1



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**Laboratory
QC Summary: 385707**

Environ International Corp.

QC Ref # 634525 - Perchlorate

201201140183 MW-K4
201201140184 ARP-1
201201140185 ARP-2A
201201140186 ARP-3A
201201140187 ARP-4A
201201140188 ARP-5A
201201140189 ARP-6B
201201140190 ARP-7
201201140191 PC-53

Analysis Date: 01/19/2012

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

QC Ref # 634543 - Total Dissolved Solids (TDS)

201201140184 ARP-1
201201140197 PC-86
201201140198 PC-90
201201140199 PC-56
201201140200 PC-58
201201140201 PC-59
201201140202 PC-60
201201140203 PC-62
201201140204 PC-68
201201140205 PC-122
201201140206 PC-91
201201140207 PC-97
201201140208 PC-18
201201140209 PC-55

Analysis Date: 01/17/2012

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

QC Ref # 634678 - Total Dissolved Solids (TDS)

201201140183 MW-K4
201201140185 ARP-2A
201201140186 ARP-3A
201201140187 ARP-4A
201201140188 ARP-5A
201201140189 ARP-6B
201201140190 ARP-7
201201140191 PC-53
201201140192 PC-103
201201140193 MW-K5
201201140194 ART-7B
201201140195 M-83
201201140196 PC-98R
201201140210 PC-101R

Analysis Date: 01/18/2012

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

QC Ref # 635551 - Perchlorate

201201140192 PC-103
201201140193 MW-K5
201201140194 ART-7B

Analysis Date: 01/23/2012

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



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**Laboratory
QC Summary: 385707**

Environ International Corp.

(continued)

201201140195	M-83	Analyzed by: LUPE
201201140196	PC-98R	Analyzed by: LUPE
201201140197	PC-86	Analyzed by: LUPE
201201140198	PC-90	Analyzed by: LUPE
201201140199	PC-56	Analyzed by: LUPE
201201140200	PC-58	Analyzed by: LUPE
201201140201	PC-59	Analyzed by: LUPE
201201140202	PC-60	Analyzed by: LUPE
201201140204	PC-68	Analyzed by: LUPE
201201140205	PC-122	Analyzed by: LUPE
201201140206	PC-91	Analyzed by: LUPE
201201140207	PC-97	Analyzed by: LUPE
201201140208	PC-18	Analyzed by: LUPE
201201140209	PC-55	Analyzed by: LUPE
201201140210	PC-101R	Analyzed by: LUPE

QC Ref # 635959 - Perchlorate

201201140203 PC-62

Analysis Date: 01/25/2012

Analyzed by: LUPE



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Laboratory
QC Report: 385707

Environ International Corp.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 634525 - Perchlorate by EPA 314.0		Analysis Date: 01/18/2012							
LCS1	Perchlorate		25	26.9	ug/L	108	(85-115)		
LCS2	Perchlorate		25	25.9	ug/L	104	(85-115)	15	3.8
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.64	ug/L	91	(75-125)		
MS_201201060037	Perchlorate	ND	25	24.1	ug/L	97	(80-120)		
MSD_201201060037	Perchlorate	ND	25	25.0	ug/L	100	(80-120)	15	3.7
QC Ref# 634543 - Total Dissolved Solids (TDS) by E160.1/SM2540C		Analysis Date: 01/17/2012							
DUP_201201120010	Total Dissolved Solid (TDS)	490		500	mg/L		(0-20)	20	2.0
DUP_201201050077	Total Dissolved Solid (TDS)	620		612	mg/L		(0-20)	20	1.6
LCS1	Total Dissolved Solid (TDS)		175	184	mg/L	105	(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	13.0	mg/L	130	(50-150)		
QC Ref# 634678 - Total Dissolved Solids (TDS) by E160.1/SM2540C		Analysis Date: 01/18/2012							
DUP_201201110419	Total Dissolved Solid (TDS)	630		626	mg/L		(0-20)	20	1.3
DUP_201201140195	Total Dissolved Solid (TDS)	1600		1640	mg/L		(0-20)	20	0.0
LCS1	Total Dissolved Solid (TDS)		175	170	mg/L	97	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	712	mg/L	102	(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# 635551 - Perchlorate by EPA 314.0		Analysis Date: 01/23/2012							
LCS1	Perchlorate		25	25.2	ug/L	101	(85-115)		
LCS2	Perchlorate		25	25.7	ug/L	103	(85-115)	15	2.0
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.97	ug/L	99	(75-125)		
MS_201201140192	Perchlorate	15000	25	26200	ug/L	90	(80-120)		
MSD_201201140192	Perchlorate	15000	25	26700	ug/L	93	(80-120)	15	1.9
QC Ref# 635959 - Perchlorate by EPA 314.0		Analysis Date: 01/25/2012							
LCS1	Perchlorate		25	26.4	ug/L	106	(85-115)		
LCS2	Perchlorate		25	24.8	ug/L	99	(85-115)	15	6.3
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.41	ug/L	85	(75-125)		
MS_201201210117	Perchlorate	ND	25	28.1	ug/L	99	(80-120)		

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.

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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)



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Laboratory
QC Report: 385707

Environ International Corp.
(continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201201210117	Perchlorate	ND	25	29.1	ug/L	103	(80-120)	15	3.5

Spike recovery is already corrected for native results.
 Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
 Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
 (S) Indicates surrogate compound.
 (I) Indicates internal standard compound.
 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)