



**MWH**

**LABORATORIES**

*A Division of MWH Americas, Inc.*

750 Royal Oak Dr., Suite 100  
Monrovia, California, 91016-3629  
Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

## Laboratory Report

for

Chameleon Beverage Company, Inc.  
6444 East 26th Street  
Commerce, CA 90040  
Attention: Hilda Menendez  
Fax: 323-724-9048

Date of Issue

07/07/2011

*Linda Geddes*  
MWH LABORATORIES



Report#: 359953

Project: ANNUAL

Group: Annual Screen

LXG: Linda Geddes

Project Manager

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

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

<b>State</b>	<b>Certification Number</b>	<b>State</b>	<b>Certification Number</b>
<b>Alabama</b>	41060	<b>Mississippi</b>	Certified
<b>Alaska</b>	CA00006	<b>Montana</b>	Cert 0035
<b>Arizona</b>	AZ0455	<b>Nevada</b>	CA00006-2010-1
<b>Arkansas</b>	Certified	<b>New Hampshire</b>	2959-10
<b>California – NELAP</b>	01114CA	<b>New Jersey</b>	CA 008
<b>California – ELAP</b>	1422	<b>New Mexico</b>	Certified
<b>Colorado</b>	Certified	<b>New York</b>	11320
<b>Connecticut</b>	PH-0107	<b>North Carolina</b>	6701
<b>Delaware</b>	CA 006	<b>North Dakota</b>	R-009
<b>Florida</b>	E871024	<b>Oregon</b>	CA 200003-007
<b>Georgia</b>	947	<b>Pennsylvania</b>	68-565
<b>Guam</b>	09-006r	<b>Rhode Island</b>	01114CA
<b>Hawaii</b>	Certified	<b>South Carolina</b>	87016001
<b>Idaho</b>	Certified	<b>South Dakota</b>	Certified
<b>Illinois</b>	200033	<b>Tennessee</b>	TN02839
<b>Indiana</b>	C-CA-01	<b>Texas</b>	T104704230-10-1
<b>Kansas</b>	E-10268	<b>Utah</b>	Mont-1
<b>Kentucky</b>	90107	<b>Vermont</b>	VT0114
<b>Louisiana</b>	LA070018	<b>Virginia</b>	210
<b>Maine</b>	CA0006	<b>Washington</b>	C383-10a
<b>Maryland</b>	224	<b>West Virginia</b>	9943 C
<b>Commonwealth of Northern Marianas Is.</b>	0007;0008	<b>Wisconsin</b>	998316660
<b>Massachusetts</b>	M-CA006	<b>Wyoming</b>	8TMS-Q
<b>Michigan</b>	9906	<b>EPA Region 5</b>	Certified



**Acknowledgement of Samples Received**

**Chameleon Beverage Company, Inc.**

6444 East 26th Street  
Commerce, CA 90040  
Attn: Hilda Menendez  
Phone: 323-724-8223

Customer Code: CHAMELEON  
Folder #: 359953  
Project: ANNUAL  
Sample Group: Annual Screen  
Project Manager: Linda Geddes  
Phone: (626) 386-1163

The following samples were received from you on **March 29, 2011**. 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																																																						
201103290088	Purified Water CBC 11 083 2135 EXP MAR 24 13 P	Mar 29, 2011 11:53																																																						
	<table border="1"> <tr> <td>@2378-TCDD_Dioxin</td> <td>@505</td> <td>@515.4</td> </tr> <tr> <td>@525</td> <td>@531</td> <td>@549</td> </tr> <tr> <td>@551SODA</td> <td>@900</td> <td>@ANIONS28</td> </tr> <tr> <td>@ANIONS48</td> <td>@COLI10</td> <td>@DBP_14</td> </tr> <tr> <td>@DBP_28</td> <td>@HAA</td> <td>@ICP</td> </tr> <tr> <td>@ICPMS</td> <td>@R226EDD</td> <td>@R228EDD</td> </tr> <tr> <td>@VOA</td> <td>Alkalinity in CaCO3 units</td> <td>Anion Sum - Calculated</td> </tr> <tr> <td>Apparent Color</td> <td>Asbestos by TEM - &gt;10 microns</td> <td>Bicarb.Alkalinity as HCO3,calc</td> </tr> <tr> <td>Carbon Dioxide,Free(25C)-Calc.</td> <td>Carbonate as CO3, Calculated</td> <td>Cation Sum - Calculated</td> </tr> <tr> <td>Chloramines</td> <td>Chlorine Dioxide</td> <td>CLO41PPB</td> </tr> <tr> <td>Cyanide</td> <td>Cyanide by manual distillation</td> <td>Endothall</td> </tr> <tr> <td>Fluoride</td> <td>Free Chlorine Residual</td> <td>Glyphosate</td> </tr> <tr> <td>Heterotrophic Plate Count</td> <td>Hydroxide as OH, Calculated</td> <td>Langelier Index - 25 degree</td> </tr> <tr> <td>Mercury</td> <td>Odor at 60 C (TON)</td> <td>pH of CaCO3 saturation(25C)</td> </tr> <tr> <td>PH, Bottled Water</td> <td>Phenolic Compounds-low level</td> <td>Specific Conductance</td> </tr> <tr> <td>Surfactants</td> <td>Total Chlorine Residual</td> <td>Total Dissolved Solid (TDS)</td> </tr> <tr> <td>Total Hardness as CaCO3 by ICP</td> <td>Turbidity</td> <td>@YMOLD</td> </tr> <tr> <td>Bromate by UV/VIS</td> <td></td> <td></td> </tr> </table>	@2378-TCDD_Dioxin	@505	@515.4	@525	@531	@549	@551SODA	@900	@ANIONS28	@ANIONS48	@COLI10	@DBP_14	@DBP_28	@HAA	@ICP	@ICPMS	@R226EDD	@R228EDD	@VOA	Alkalinity in CaCO3 units	Anion Sum - Calculated	Apparent Color	Asbestos by TEM - >10 microns	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.	Carbonate as CO3, Calculated	Cation Sum - Calculated	Chloramines	Chlorine Dioxide	CLO41PPB	Cyanide	Cyanide by manual distillation	Endothall	Fluoride	Free Chlorine Residual	Glyphosate	Heterotrophic Plate Count	Hydroxide as OH, Calculated	Langelier Index - 25 degree	Mercury	Odor at 60 C (TON)	pH of CaCO3 saturation(25C)	PH, Bottled Water	Phenolic Compounds-low level	Specific Conductance	Surfactants	Total Chlorine Residual	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP	Turbidity	@YMOLD	Bromate by UV/VIS			
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**Test Description**

- @2378-TCDD\_Dioxin -- 2,3,7,8-TCDD\_Dioxin
- @505 -- Organochlorine Pesticides/PCBs
- @515.4 -- Chlorophenoxy Herbicides
- @525 -- Semivolatiles by GCMS
- @531 -- Aldicarbs
- @549 -- Diquat and Paraquat
- @551SODA -- EDB/DBCP/HAN by EPA 551.1
- @900 -- Gross Alpha/Beta Radiation
- @ANIONS28 -- Chloride, Sulfate by EPA 300.0
- @ANIONS48 -- Nitrate, Nitrite by EPA 300.0
- @COLI10 -- Total & Fecal Coliform, 24 Hour
- @DBP\_14 -- Chlorite by 300.0



**Acknowledgement of Samples Received**

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Sample Group: Annual Screen  
Project Manager: Linda Geddes  
Phone: (626) 386-1163

The following samples were received from you on **March 29, 2011**. 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
	@DBP_28 -- Disinfection ByProducts by 300.0	
	@HAA -- Haloacetic Acids	
	@ICP -- ICP Metals	
	@ICPMS -- ICPMS Metals	
	@R226EDD -- Radium 226 (Sub)	
	@R228EDD -- Radium 228 (Sub)	
	@VOA -- Volatile Organics by GCMS	
	@YMOLD -- Yeast and Mold	

# CHAIN OF CUSTODY RECORD



750 Royal Oaks Drive, Suite 100  
 Monrovia, California 91016-9629  
 Tel: 626 386 1100  
 Fax: 626 386 1101  
 1 800 566 LABS (1 800 566 5277)

MWH LABS USE ONLY:

LOGIN COMMENTS: \_\_\_\_\_

SAMPLES CHECKED AGAINST COC BY: SM

SAMPLES LOGGED IN BY: MML (check for yes)

SAMPLE TEMP WHEN REC'D AT LAB: 22 (Compliance: 4 +/- 2°C)

CONDITION OF BLUE ICE: FROZEN 2 PARTIALLY FROZEN 1 THAWED \_\_\_\_\_

TO BE COMPLETED BY SAMPLER: \_\_\_\_\_ (check for yes)

COMPANY, UTILITY or PROJECT: CHAMELEON BEVERAGE COMPANY INC.

MWH LABS CLIENT CODE: \_\_\_\_\_

SYSTEM #: \_\_\_\_\_

P.O.# / PROJECT JOB #: \_\_\_\_\_

SAMPLER PRINTED NAME AND SIGNATURE: Hilda Menendez

TAT requested: rush by adv notice only  
 STD. \_\_\_ 1 wk \_\_\_ 3 day X 2 day \_\_\_ 1 day \_\_\_

SAMPLE DATE	SAMPLE TIME	STATION # or LOCATION	SITE NAME OR SAMPLE I.D.	MATRIX *	GRAB	COMP	list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)	SAMPLER COMMENTS
03/24/11	2135	Spring Water 87/1/11	CBC 11 083 2135 EXP MAR 24 13 P	BW			Title 21 50 Certification	
5/37		Purified Water	Code matches Purified water bottles				Bottle Water Product Containe Sampling date dependent on opening of container	Note: Hold test until HPC, P/A, Yeast & Mold and Bromate level is cleared. Check back with CBC QC. Dept. for release

\* MATRIX TYPES: RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water SO = Soil  
 RGW = Raw Ground Water FW = Other Finished Water WW = Other Waste Water SW = Storm Water SL = Sludge

SIGNATURE: Hilda Menendez PRINT NAME: Hilda Menendez COMPANY/TITLE: Chameleon Beverage DATE: 03/25/11 TIME: 14:00

RECEIVED BY: \_\_\_\_\_

RECEIVED BY: [Signature] MML 3/28/11 1505

C-O-C# \_\_\_\_\_ PAGE \_\_\_\_\_ OF \_\_\_\_\_



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**LABORATORIES**

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750 Royal Oak Dr., Suite 100  
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Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

Laboratory  
FDA\_CA Report  
# 359953

**Client:** Chameleon Beverage Company, Inc.  
6444 East 26th Street  
Commerce, CA 90040

**Report Date:** 05/17/2011  
**Date Received:** 03/29/2011  
**Sample No:** 201103290088

**Attention:** Hilda Menendez

**Sample Id:** Purified Water CBC 11 083 2135 EXP MAR 24 13 P  
**Date Sampled:** 3/29/2011

**INVESTIGATION:** Analysis per Title 21, Federal Code of Regulations 103.35 - California Limits

**ANALYTICAL RESULTS**

Parameter	Method	Reporting Limit	Result	SOQ
<b>201103290088</b>				
<b>GROUP I</b>				
<b>PHYSICAL</b>				
Apparent Color	SM 2120B	3	ND ACU	15
Odor at 60 C (TON)	SM 2150B	1	1.0 TON	3
pH	SM 4500 HB	0.1	6.2	---
Total Dissolved Solid (TDS)	SM 2540C	10	ND	500.0
Turbidity	EPA 180.1	0.05	ND NTU	5
<b>GROUP II</b>				
<b>CHEMICAL SUBSTANCE 1</b>				
			<b>Milligrams per Liter</b>	
Alkalinity in CaCO3 units	SM 2320B	2	5.1	---
Aluminum Total ICAP/MS	EPA 200.8	0.02	ND	0.2
Antimony Total ICAP/MS	EPA 200.8	0.001	ND	0.006
Arsenic Total ICAP/MS	EPA 200.8	0.001	ND	0.010
Asbestos by TEM - >10 microns	EPA 100.2	0.2	ND	---
Barium Total ICAP/MS	EPA 200.8	0.002	ND	2
Beryllium Total ICAP/MS	EPA 200.8	0.001	ND	0.004
Cadmium Total ICAP/MS	EPA 200.8	0.0005	ND	0.005
Chloride	EPA 300.0	1	1.3	250
Chromium Total ICAP/MS	EPA 200.8	0.001	ND	0.1
Copper Total ICAP/MS	EPA 200.8	0.002	ND	1.0
Cyanide	SM 4500CN-F	0.03	ND	0.2
Cyanide by manual distillation	EPA 335.4	0.005	ND	0.2
Fluoride	SM 4500F-C	0.05	ND	1.4-2.4
Iron Total ICAP	EPA 200.7	0.02	ND	0.3
Corrosivity	SM 2330B	-14	-4.800000	---

6/37

SOQ=Standard of Quality per FDA or California  
ND=Not detected at the specified limit  
All results reported in milligrams per liter unless otherwise noted

Parameter	Method	Reporting Limit	Result	SOQ
Lead Total ICAP/MS	EPA 200.8	0.0005	ND	0.005
Magnesium Total ICAP	EPA 200.7	0.0001	0.17	---
Manganese Total ICAP/MS	EPA 200.8	0.002	ND	0.05
Mercury	EPA 245.1	0.0002	ND	0.002
Nickel Total ICAP/MS	EPA 200.8	0.005	ND	0.1
Nitrate-N	EPA 300.0	0.1	0.20	10
Nitrite-N	EPA 300.0	0.05	ND	1
Phenol	EPA 420.4	0.001	ND	0.001
Selenium Total ICAP/MS	EPA 200.8	0.005	ND	0.05
Silver Total ICAP/MS	EPA 200.8	0.0005	ND	0.1
Sodium Total ICAP	EPA 200.7	1	2.3	---
Sulfate	EPA 300.0	0.5	ND	250.0
Surfactants	SM 5540C	0.05	ND	---
Thallium Total ICAP/MS	EPA 200.8	0.001	ND	0.002
Total Hardness as CaCO3	EPA 200.7	3	ND	---
Total Nitrate + Nitrite	EPA 300.0	0.1	0.20	10
Zinc Total ICAP/MS	EPA 200.8	0.02	ND	5.0

**GROUP III**

**CHEMICAL SUBSTANCE 2 (VOC)**

Milligrams per Liter

1,1,1,2-Tetrachloroethane	EPA 524.2	0.0005	ND	---
1,1,1-Trichloroethane	EPA 524.2	0.0005	ND	0.20
1,1,2,2-Tetrachloroethane	EPA 524.2	0.0005	ND	---
1,1,2-Trichloroethane	EPA 524.2	0.0005	ND	0.005
1,1-Dichloroethane	EPA 524.2	0.0005	ND	---
1,1-Dichloroethene	EPA 524.2	0.0005	ND	0.007
1,1-Dichloropropene	EPA 524.2	0.0005	ND	---
1,2,3-Trichlorobenzene	EPA 524.2	0.0005	ND	---
1,2,3-Trichloropropane	EPA 524.2	0.0005	ND	---
1,2,4-Trichlorobenzene	EPA 524.2	0.0005	ND	0.07
1,2,4-Trimethylbenzene	EPA 524.2	0.0005	ND	---
1,2-Dichloroethane	EPA 524.2	0.0005	ND	0.005
1,2-Dichloropropane	EPA 524.2	0.0005	ND	0.005
1,3,5-Trimethylbenzene	EPA 524.2	0.0005	ND	---
1,3-Dichloropropane	EPA 524.2	0.0005	ND	---
2,2-Dichloropropane	EPA 524.2	0.0005	ND	---
Benzene	EPA 524.2	0.0005	ND	0.005
Bromobenzene	EPA 524.2	0.0005	ND	---
Bromochloromethane	EPA 524.2	0.0005	ND	---
Bromodichloromethane	EPA 524.2	0.0005	ND	---
Bromoform	EPA 524.2	0.0005	ND	---

Parameter	Method	Reporting Limit	Result	SOQ
Bromomethane	EPA 524.2	0.0005	ND	---
Carbon Tetrachloride	EPA 524.2	0.0005	ND	0.005
Chlorobenzene	EPA 524.2	0.0005	ND	0.1
Chlorodibromomethane	EPA 524.2	0.0005	ND	---
Chloroethane	EPA 524.2	0.0005	ND	---
Chloroform (Trichloromethane)	EPA 524.2	0.0005	ND	---
Chloromethane	EPA 524.2	0.0005	ND	---
cis-1,2-Dichloroethylene	EPA 524.2	0.0005	ND	0.07
cis-1,3-Dichloropropene	EPA 524.2	0.0005	ND	---
Dibromomethane	EPA 524.2	0.0005	ND	---
Dichlorodifluoromethane	EPA 524.2	0.0005	ND	---
Dichloromethane	EPA 524.2	0.0005	ND	0.005
Ethyl benzene	EPA 524.2	0.0005	ND	0.7
Hexachlorobutadiene	EPA 524.2	0.0005	ND	---
Isopropylbenzene	EPA 524.2	0.0005	ND	---
m,p-Xylenes	EPA 524.2	0.0005	ND	---
m-Dichlorobenzene (1,3-DCB)	EPA 524.2	0.0005	ND	---
MTBE	EPA 524.2	0.0005	ND	---
n-Butylbenzene	EPA 524.2	0.0005	ND	---
n-Propylbenzene	EPA 524.2	0.0005	ND	---
o-Chlorotoluene	EPA 524.2	0.0005	ND	---
o-Dichlorobenzene (1,2-DCB)	EPA 524.2	0.0005	ND	0.6
o-Xylene	EPA 524.2	0.0005	ND	---
p-Chlorotoluene	EPA 524.2	0.0005	ND	---
p-Dichlorobenzene (1,4-DCB)	EPA 524.2	0.0005	ND	0.075
p-Isopropyltoluene	EPA 524.2	0.0005	ND	---
sec-Butylbenzene	EPA 524.2	0.0005	ND	---
Styrene	EPA 524.2	0.0005	ND	0.1
tert-Butylbenzene	EPA 524.2	0.0005	ND	---
Tetrachloroethylene (PCE)	EPA 524.2	0.0005	ND	0.005
Toluene	EPA 524.2	0.0005	ND	1
Total 1,3-Dichloropropene	EPA 524.2	0.0005	ND	0.0005
Total THM	EPA 524.2	0.0005	ND	0.010
Total xylenes	EPA 524.2	0.001	ND	10
trans-1,2-Dichloroethylene	EPA 524.2	0.0005	ND	0.1
trans-1,3-Dichloropropene	EPA 524.2	0.0005	ND	---
Trichloroethylene (TCE)	EPA 524.2	0.0005	ND	0.005
Trichlorotrifluoroethane(Freon)	EPA 524.2	0.0005	ND	---
Vinyl chloride (VC)	EPA 524.2	0.0003	ND	0.002

Parameter	Method	Reporting Limit	Result	SOQ
<b>GROUP IV CHEMICAL SUBSTANCE 3 (NON VOC)</b>			<b>Milligrams per Liter</b>	
2,3,7,8-TCDD, ug/L	EPA 1613B	0.000005	ND	0.000003
2,4,5-TP (Silvex)	EPA 515.4	0.0002	ND	0.05
2,4-D	EPA 515.4	0.0001	ND	0.07
3-Hydroxycarbofuran	EPA 531.2	0.0005	ND	---
Alachlor (Alanex)	EPA 505	0.0001	ND	0.002
Aldicarb (Temik)	EPA 531.2	0.0005	ND	---
Aldicarb sulfone	EPA 531.2	0.0005	ND	---
Aldicarb sulfoxide	EPA 531.2	0.0005	ND	---
Atrazine	EPA 525.2	0.00005	ND	0.003
Baygon	EPA 531.2	0.0005	ND	---
Bentazon	EPA 515.4	0.0005	ND	0.018
Benzo(a)pyrene	EPA 525.2	0.00002	ND	0.0002
Butachlor	EPA 525.2	0.00005	ND	---
Carbaryl	EPA 531.2	0.0005	ND	---
Carbofuran	EPA 531.2	0.0005	ND	40
Chlordane	EPA 505	0.0001	ND	0.002
Dalapon	EPA 515.4	0.001	ND	0.2
Di-(2-Ethylhexyl)adipate	EPA 525.2	0.0006	ND	0.4
Di(2-Ethylhexyl)phthalate	EPA 525.2	0.0006	ND	0.004
Dibromochloropropane (DBCP)	EPA 551.1	0.00001	ND	0.0002
Dinoseb	EPA 515.4	0.0002	ND	0.007
Diquat	EPA 549.2	0.0004	ND	0.02
Endothall	EPA 548.1	0.005	ND	0.1
Endrin	EPA 505	0.00001	ND	0.002
Ethylene Dibromide (EDB)	EPA 551.1	0.00001	ND	0.000005
Glyphosate	EPA 547	0.006	ND	0.7
Heptachlor	EPA 505	0.00001	ND	0.0004
Heptachlor Epoxide	EPA 505	0.00001	ND	0.0002
Hexachlorobenzene	EPA 525.2	0.00005	ND	0.001
Hexachlorocyclopentadiene	EPA 525.2	0.00005	ND	0.05
Lindane (gamma-BHC)	EPA 505	0.00001	ND	0.0002
Methiocarb	EPA 531.2	0.0005	ND	---
Methomyl	EPA 531.2	0.0005	ND	---
Methoxychlor	EPA 505	0.00005	ND	0.04
Metolachlor	EPA 525.2	0.00005	ND	---
Metribuzin	EPA 525.2	0.00005	ND	---
Oxamyl (Vydate)	EPA 531.2	0.0005	ND	0.2
Pentachlorophenol	EPA 515.4	0.00004	ND	0.001

Picloram	EPA 515.4	0.0001	ND	0.5
Simazine	EPA 525.2	0.00005	ND	0.004
Thiobencarb	EPA 525.2	0.0002	ND	---
Total PCBs	EPA 505	0.0001	ND	0.5
Toxaphene	EPA 505	0.0005	ND	0.003

**GROUP V  
 RADIOACTIVITY**

**Picocuries per Liter**

Alpha, Gross	EPA 900.0	3.0	ND	15
Beta, Gross	EPA 900.0	3.0	ND	50
Radium 226 (Subbed)	EPA 903.1	0.68	<0.677	5
Radium 228 (Subbed)	EPA 904.0	0.86	<0.864	5
Uranium ICAP/MS (mg/L)	EPA 200.8	0.001	ND	0.03

**GROUP VI  
 BACTERIOLOGICAL**

**Milligrams per Liter**

E. Coli Bacteria	SM 9223	1.1	<1.1	1.1
Heterotrophic Plate Count	SM 9215B	1	<1	---
Total Coliform Bacteria	SM 9223	1.1	<1.1	2.2

**GROUP VII  
 Disinfection Byproducts**

**Milligrams per Liter**

Bromate by UV/VIS	EPA 317	0.001	0.0016	0.01
Bromide	EPA 300.0	0.005	ND	---
Chlorite	EPA 300.0	0.01	ND	1
D/DBP Haloacetic Acids (HAA5)	SM 6251B	0.002	ND	0.06

**GROUP VIII  
 Residual Disinfectants**

**Milligrams per Liter**

Chloramines	SM 4500CL-G/HACH	0.1	ND	4
Chlorine Dioxide	SM 4500CLO2-D/HACH	0.2	ND	0.8
Total Chlorine Residual	SM 4500CL-G/HACH	0.1	ND	4

**Client:** Chameleon Beverage Company, Inc.  
6444 East 26th Street  
Commerce, CA 90040

**REPORT DATE:** 05/17/2011  
**DATE RECEIVED:** 03/29/2011  
**SAMPLE NO:** 201103290088

**Attention:** Hilda Menendez

**Sample Id:** Purified Water CBC 11 083 2135 EXP MAR 24 13 P

**Date Sampled:** 3/29/2011

**INVESTIGATION:** Analysis per Title 21, Federal Code of Regulations 103.35 - New York Limits

### ANALYTICAL RESULTS

Parameter	Method	Reporting Limit	Result	SOQ
<b>GROUP I</b>				
<b>PHYSICAL</b>				
Apparent Color	SM 2120B	3	ND ACU	15
Odor at 60 C (TON)	SM 2150B	1	1.0 TON	3
pH	SM 4500 HB	0.1	6.2	---
Total Dissolved Solid (TDS)	SM 2540C	10	ND	500
Turbidity	EPA 180.1	0.05	ND NTU	5
<b>GROUP II</b>				
<b>CHEMICAL SUBSTANCE 1</b>				
			<b>Milligrams per Liter</b>	
Alkalinity in CaCO3 units	SM 2320B	2	5.1	---
Aluminum Total ICAP/MS	EPA 200.8	0.02	ND	0.2
Antimony Total ICAP/MS	EPA 200.8	0.001	ND	0.006
Arsenic Total ICAP/MS	EPA 200.8	0.001	ND	0.01
Asbestos by TEM - >10 microns	EPA 100.2	0.2	ND	---
Barium Total ICAP/MS	EPA 200.8	0.002	ND	2
Beryllium Total ICAP/MS	EPA 200.8	0.001	ND	0.004
Cadmium Total ICAP/MS	EPA 200.8	0.0005	ND	0.005
Chloride	EPA 300.0	1	1.3	250
Chromium Total ICAP/MS	EPA 200.8	0.001	ND	0.1
Copper Total ICAP/MS	EPA 200.8	0.002	ND	1
Cyanide	SM 4500CN-F	0.03	ND	0.2
Cyanide by manual distillation	EPA 335.4	0.005	ND	0.2
Fluoride	SM 4500F-C	0.05	ND	1.4-2.4
Iron Total ICAP	EPA 200.7	0.02	ND	0.3
Corrosivity	SM 2330B	-14	-4.8	---
Lead Total ICAP/MS	EPA 200.8	0.0005	ND	0.005
Magnesium Total ICAP	EPA 200.7	0.0001	0.17	---
Manganese Total ICAP/MS	EPA 200.8	0.002	ND	0.05
Mercury	EPA 245.1	0.0002	ND	0.002

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Parameter	Method	Reporting Limit	Result	SOQ
Nickel Total ICAP/MS	EPA 200.8	0.005	ND	0.1
Nitrate-N	EPA 300.0	0.1	0.20	10
Nitrite-N	EPA 300.0	0.05	ND	1
Phenol	EPA 420.4	0.001	ND	0.001
Selenium Total ICAP/MS	EPA 200.8	0.005	ND	0.05
Silver Total ICAP/MS	EPA 200.8	0.0005	ND	0.1
Sodium Total ICAP	EPA 200.7	1	2.3	---
Sulfate	EPA 300.0	0.5	ND	250
Surfactants	SM 5540C	0.05	ND	---
Thallium Total ICAP/MS	EPA 200.8	0.001	ND	0.002
Total Hardness as CaCO3	EPA 200.7	3	ND	---
Total Nitrate + Nitrite	EPA 300.0	0.1	0.20	10
Zinc Total ICAP/MS	EPA 200.8	0.02	ND	5
<b>GROUP III CHEMICAL SUBSTANCE 2 (VOC)</b>			<b>Milligrams per Liter</b>	
1,1,1,2-Tetrachloroethane	EPA 524.2	0.0005	ND	---
1,1,1-Trichloroethane	EPA 524.2	0.0005	ND	0.2
1,1,2,2-Tetrachloroethane	EPA 524.2	0.0005	ND	---
1,1,2-Trichloroethane	EPA 524.2	0.0005	ND	0.005
1,1-Dichloroethane	EPA 524.2	0.0005	ND	---
1,1-Dichloroethene	EPA 524.2	0.0005	ND	0.007
1,1-Dichloropropene	EPA 524.2	0.0005	ND	---
1,2,3-Trichlorobenzene	EPA 524.2	0.0005	ND	---
1,2,3-Trichloropropane	EPA 524.2	0.0005	ND	---
1,2,4-Trichlorobenzene	EPA 524.2	0.0005	ND	0.07
1,2,4-Trimethylbenzene	EPA 524.2	0.0005	ND	---
1,2-Dichloroethane	EPA 524.2	0.0005	ND	0.005
1,2-Dichloropropane	EPA 524.2	0.0005	ND	---
1,3,5-Trimethylbenzene	EPA 524.2	0.0005	ND	---
1,3-Dichloropropane	EPA 524.2	0.0005	ND	---
2,2-Dichloropropane	EPA 524.2	0.0005	ND	---
Benzene	EPA 524.2	0.0005	ND	0.005
Bromobenzene	EPA 524.2	0.0005	ND	---
Bromochloromethane	EPA 524.2	0.0005	ND	---
Bromodichloromethane	EPA 524.2	0.0005	ND	---
Bromoform	EPA 524.2	0.0005	ND	---
Bromomethane	EPA 524.2	0.0005	ND	---
Carbon Tetrachloride	EPA 524.2	0.0005	ND	0.005
Chlorobenzene	EPA 524.2	0.0005	ND	0.1
Chlorodibromomethane	EPA 524.2	0.0005	ND	---
Chloroethane	EPA 524.2	0.0005	ND	---

Parameter	Method	Reporting Limit	Result	SOQ
Chloroform (Trichloromethane)	EPA 524.2	0.0005	ND	---
Chloromethane	EPA 524.2	0.0005	ND	---
cis-1,2-Dichloroethylene	EPA 524.2	0.0005	ND	0.07
cis-1,3-Dichloropropene	EPA 524.2	0.0005	ND	---
Dibromomethane	EPA 524.2	0.0005	ND	---
Dichlorodifluoromethane	EPA 524.2	0.0005	ND	---
Dichloromethane	EPA 524.2	0.0005	ND	0.005
Ethyl benzene	EPA 524.2	0.0005	ND	0.7
Hexachlorobutadiene	EPA 524.2	0.0005	ND	---
Isopropylbenzene	EPA 524.2	0.0005	ND	---
m,p-Xylenes	EPA 524.2	0.0005	ND	---
m-Dichlorobenzene (1,3-DCB)	EPA 524.2	0.0005	ND	---
MTBE	EPA 524.2	0.0005	ND	---
n-Butylbenzene	EPA 524.2	0.0005	ND	---
n-Propylbenzene	EPA 524.2	0.0005	ND	---
o-Chlorotoluene	EPA 524.2	0.0005	ND	---
o-Dichlorobenzene (1,2-DCB)	EPA 524.2	0.0005	ND	0.6
o-Xylene	EPA 524.2	0.0005	ND	---
p-Chlorotoluene	EPA 524.2	0.0005	ND	---
p-Dichlorobenzene (1,4-DCB)	EPA 524.2	0.0005	ND	0.075
p-Isopropyltoluene	EPA 524.2	0.0005	ND	---
sec-Butylbenzene	EPA 524.2	0.0005	ND	---
Styrene	EPA 524.2	0.0005	ND	0.1
tert-Butylbenzene	EPA 524.2	0.0005	ND	---
Tetrachloroethylene (PCE)	EPA 524.2	0.0005	ND	0.005
Toluene	EPA 524.2	0.0005	ND	1
Total 1,3-Dichloropropene	EPA 524.2	0.0005	ND	---
Total THM	EPA 524.2	0.0005	ND	0.08
Total xylenes	EPA 524.2	0.001	ND	10
trans-1,2-Dichloroethylene	EPA 524.2	0.0005	ND	0.1
trans-1,3-Dichloropropene	EPA 524.2	0.0005	ND	---
Trichloroethylene (TCE)	EPA 524.2	0.0005	ND	0.005
Trichlorotrifluoroethane(Freon	EPA 524.2	0.0005	ND	---
Vinyl chloride (VC)	EPA 524.2	0.0003	ND	0.002
<b>GROUP IV</b>				
<b>CHEMICAL SUBSTANCE 3 (NON VOC)</b>			<b>Milligrams per Liter</b>	
2,3,7,8-TCDD, ug/L	EPA 1613B	0.000000005	ND	3e-005
2,4,5-TP (Silvex)	EPA 515.4	0.0002	ND	0.05
2,4-D	EPA 515.4	0.0001	ND	0.07
3-Hydroxycarbofuran	EPA 531.2	0.0005	ND	---
Alachlor (Alanex)	EPA 505	0.0001	ND	0.002

Parameter	Method	Reporting Limit	Result	SOQ
Aldicarb (Temik)	EPA 531.2	0.0005	ND	---
Aldicarb sulfone	EPA 531.2	0.0005	ND	---
Aldicarb sulfoxide	EPA 531.2	0.0005	ND	---
Atrazine	EPA 525.2	0.00005	ND	0.003
Baygon	EPA 531.2	0.0005	ND	---
Bentazon	EPA 515.4	0.0005	ND	---
Benzo(a)pyrene	EPA 525.2	0.00002	ND	0.0002
Butachlor	EPA 525.2	0.00005	ND	---
Carbaryl	EPA 531.2	0.0005	ND	---
Carbofuran	EPA 531.2	0.0005	ND	0.04
Chlordane	EPA 505	0.0001	ND	0.002
Dalapon	EPA 515.4	0.001	ND	0.2
Di-(2-Ethylhexyl)adipate	EPA 525.2	0.0006	ND	0.4
Di(2-Ethylhexyl)phthalate	EPA 525.2	0.0006	ND	---
Dibromochloropropane (DBCP)	EPA 551.1	0.00001	ND	0.0002
Dinoseb	EPA 515.4	0.0002	ND	0.007
Diquat	EPA 549.2	0.0004	ND	0.02
Endothall	EPA 548.1	0.005	ND	0.1
Endrin	EPA 505	0.00001	ND	0.002
Ethylene Dibromide (EDB)	EPA 551.1	0.00001	ND	5e-005
Glyphosate	EPA 547	0.006	ND	0.7
Heptachlor	EPA 505	0.00001	ND	0.0004
Heptachlor Epoxide	EPA 505	0.00001	ND	0.0002
Hexachlorobenzene	EPA 525.2	0.00005	ND	0.001
Hexachlorocyclopentadiene	EPA 525.2	0.00005	ND	0.05
Lindane (gamma-BHC)	EPA 505	0.00001	ND	0.0002
Methiocarb	EPA 531.2	0.0005	ND	---
Methomyl	EPA 531.2	0.0005	ND	---
Methoxychlor	EPA 505	0.00005	ND	0.04
Metolachlor	EPA 525.2	0.00005	ND	---
Metribuzin	EPA 525.2	0.00005	ND	---
Oxamyl (Vydate)	EPA 531.2	0.0005	ND	0.2
Pentachlorophenol	EPA 515.4	0.00004	ND	0.001
Picloram	EPA 515.4	0.0001	ND	0.0005
Simazine	EPA 525.2	0.00005	ND	0.004
Thiobencarb	EPA 525.2	0.0002	ND	---
Total PCBs	EPA 505	0.0001	ND	0.0005
Toxaphene	EPA 505	0.0005	ND	0.003
<b>GROUP V RADIOACTIVITY</b>			<b>Picocuries</b>	
Alpha, Gross	EPA 900.0	3.0	ND	15

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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  
FDA\_NY Report  
# 359953

REPORT DATE: 05/17/2011  
DATE RECEIVED: 03/29/2011  
LABORATORY NO: 201103290088

Beta, Gross	EPA 900.0	3.0	ND	50
Radium 226 (Subbed)	EPA 903.1	0.68	<0.677	3
Radium 228 (Subbed)	EPA 904.0	0.86	<0.864	5
Uranium ICAP/MS (mg/L)	EPA 200.8	0.001	ND	0.03
<b>GROUP VI</b>				
<b>BACTERIOLOGICAL</b>				
E. Coli Bacteria	SM 9223	1.1	<1.1	1.1
Heterotrophic Plate Count	SM 9215B	1	<1	---
Total Coliform Bacteria	SM 9223	1.1	<1.1	2.2
<b>GROUP VII</b>				
<b>Disinfection Byproducts</b>				
Bromate by UV/VIS	EPA 317	0.001	0.0016	0.01
Bromide	EPA 300.0	0.005	ND	---
Chlorite	EPA 300.0	0.01	ND	1
D/DBP Haloacetic Acids (HAA5)	SM 6251B	0.002	ND	0.06
<b>GROUP VIII</b>				
<b>Residual Disinfectants</b>				
Chloramines	SM 4500CL-G/HACH	0.1	ND	4
Chlorine Dioxide	SM 4500CLO2-D/HACH	0.2	ND	0.8
Total Chlorine Residual	SM 4500CL-G/HACH	0.1	ND	4



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1 800 566 LABS (1 800 566 5227)

Laboratory  
FDA\_CA Report  
# 359953

**Client:** Chameleon Beverage Company, Inc.  
6444 East 26th Street  
Commerce, CA 90040

**Report Date:** 05/17/2011  
**Date Received:** 03/29/2011  
**Sample No:** 201103290088

**Attention:** Hilda Menendez

**Sample Id:** Purified Water CBC 11 083 2135 EXP MAR 24 13 P  
**Date Sampled:** 3/29/2011

**INVESTIGATION:** Analysis per Title 21, Federal Code of Regulations 103.35 - California Limits

**ANALYTICAL RESULTS**

Parameter	Method	Reporting Limit	Result	SOQ
<b>201103290088</b>				
<b>GROUP I</b>				
<b>PHYSICAL</b>				
Apparent Color	SM 2120B	3	ND ACU	15
Odor at 60 C (TON)	SM 2150B	1	1.0 TON	3
Total Dissolved Solid (TDS)	SM 2540C	10	ND	500.0
Turbidity	EPA 180.1	0.05	ND NTU	5
<b>GROUP II</b>				
<b>CHEMICAL SUBSTANCE 1</b>				
			<b>Milligrams per Liter</b>	
Aluminum Total ICAP/MS	EPA 200.8	0.02	ND	0.2
Antimony Total ICAP/MS	EPA 200.8	0.001	ND	0.006
Arsenic Total ICAP/MS	EPA 200.8	0.001	ND	0.010
Barium Total ICAP/MS	EPA 200.8	0.002	ND	2
Beryllium Total ICAP/MS	EPA 200.8	0.001	ND	0.004
Cadmium Total ICAP/MS	EPA 200.8	0.0005	ND	0.005
Chloride	EPA 300.0	1	1.3	250
Chromium Total ICAP/MS	EPA 200.8	0.001	ND	0.1
Copper Total ICAP/MS	EPA 200.8	0.002	ND	1.0
Cyanide	SM 4500CN-F	0.03	ND	0.2
Cyanide by manual distillation	EPA 335.4	0.005	ND	0.2
Fluoride	SM 4500F-C	0.05	ND	1.4-2.4
Iron Total ICAP	EPA 200.7	0.02	ND	0.3
Lead Total ICAP/MS	EPA 200.8	0.0005	ND	0.005
Manganese Total ICAP/MS	EPA 200.8	0.002	ND	0.05
Mercury	EPA 245.1	0.0002	ND	0.002

SOQ=Standard of Quality per FDA or California

ND=Not detected at the specified limit

All results reported in milligrams per liter unless otherwise noted



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Laboratory  
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# 359953

Report Date: 05/17/2011  
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Sample No: 201103290088

Parameter	Method	Reporting Limit	Result	SOQ
Nickel Total ICAP/MS	EPA 200.8	0.005	ND	0.1
Nitrate-N	EPA 300.0	0.1	0.20	10
Nitrite-N	EPA 300.0	0.05	ND	1
Phenol	EPA 420.4	0.001	ND	0.001
Selenium Total ICAP/MS	EPA 200.8	0.005	ND	0.05
Silver Total ICAP/MS	EPA 200.8	0.0005	ND	0.1
Sulfate	EPA 300.0	0.5	ND	250.0
Thallium Total ICAP/MS	EPA 200.8	0.001	ND	0.002
Total Nitrate + Nitrite	EPA 300.0	0.1	0.20	10
Zinc Total ICAP/MS	EPA 200.8	0.02	ND	5.0
<b>GROUP III</b>			<b>Milligrams per Liter</b>	
<b>CHEMICAL SUBSTANCE 2 (VOC)</b>				
1,1,1-Trichloroethane	EPA 524.2	0.0005	ND	0.20
1,1,2-Trichloroethane	EPA 524.2	0.0005	ND	0.005
1,1-Dichloroethene	EPA 524.2	0.0005	ND	0.007
1,2,4-Trichlorobenzene	EPA 524.2	0.0005	ND	0.07
1,2-Dichloroethane	EPA 524.2	0.0005	ND	0.005
1,2-Dichloropropane	EPA 524.2	0.0005	ND	0.005
Benzene	EPA 524.2	0.0005	ND	0.005
Carbon Tetrachloride	EPA 524.2	0.0005	ND	0.005
Chlorobenzene	EPA 524.2	0.0005	ND	0.1
cis-1,2-Dichloroethylene	EPA 524.2	0.0005	ND	0.07
Dichloromethane	EPA 524.2	0.0005	ND	0.005
Ethyl benzene	EPA 524.2	0.0005	ND	0.7
o-Dichlorobenzene (1,2-DCB)	EPA 524.2	0.0005	ND	0.6
p-Dichlorobenzene (1,4-DCB)	EPA 524.2	0.0005	ND	0.075
Styrene	EPA 524.2	0.0005	ND	0.1
Tetrachloroethylene (PCE)	EPA 524.2	0.0005	ND	0.005
Toluene	EPA 524.2	0.0005	ND	1
Total 1,3-Dichloropropene	EPA 524.2	0.0005	ND	0.0005
Total THM	EPA 524.2	0.0005	ND	0.010
Total xylenes	EPA 524.2	0.001	ND	10
trans-1,2-Dichloroethylene	EPA 524.2	0.0005	ND	0.1
Trichloroethylene (TCE)	EPA 524.2	0.0005	ND	0.005
Vinyl chloride (VC)	EPA 524.2	0.0003	ND	0.002
<b>GROUP IV</b>			<b>Milligrams per Liter</b>	
<b>CHEMICAL SUBSTANCE 3 (NON VOC)</b>				
2,3,7,8-TCDD, ug/L	EPA 1613B	0.000005	ND	0.000003

SOQ=Standard of Quality per FDA or California  
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All results reported in milligrams per liter unless otherwise noted



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Laboratory  
FDA\_CA Report  
# 359953

Report Date: 05/17/2011  
Date Received: 03/29/2011  
Sample No: 201103290088

Parameter	Method	Reporting Limit	Result	SOQ
2,4,5-TP (Silvex)	EPA 515.4	0.0002	ND	0.05
2,4-D	EPA 515.4	0.0001	ND	0.07
Alachlor (Alanex)	EPA 505	0.0001	ND	0.002
Atrazine	EPA 525.2	0.00005	ND	0.003
Bentazon	EPA 515.4	0.0005	ND	0.018
Benzo(a)pyrene	EPA 525.2	0.00002	ND	0.0002
Carbofuran	EPA 531.2	0.0005	ND	40
Chlordane	EPA 505	0.0001	ND	0.002
Dalapon	EPA 515.4	0.001	ND	0.2
Di-(2-Ethylhexyl)adipate	EPA 525.2	0.0006	ND	0.4
Di(2-Ethylhexyl)phthalate	EPA 525.2	0.0006	ND	0.004
Dibromochloropropane (DBCP)	EPA 551.1	0.00001	ND	0.0002
Dinoseb	EPA 515.4	0.0002	ND	0.007
Diquat	EPA 549.2	0.0004	ND	0.02
Endothall	EPA 548.1	0.005	ND	0.1
Endrin	EPA 505	0.00001	ND	0.002
Ethylene Dibromide (EDB)	EPA 551.1	0.00001	ND	0.000005
Glyphosate	EPA 547	0.006	ND	0.7
Heptachlor	EPA 505	0.00001	ND	0.0004
Heptachlor Epoxide	EPA 505	0.00001	ND	0.0002
Hexachlorobenzene	EPA 525.2	0.00005	ND	0.001
Hexachlorocyclopentadiene	EPA 525.2	0.00005	ND	0.05
Lindane (gamma-BHC)	EPA 505	0.00001	ND	0.0002
Methoxychlor	EPA 505	0.00005	ND	0.04
Oxamyl (Vydate)	EPA 531.2	0.0005	ND	0.2
Pentachlorophenol	EPA 515.4	0.00004	ND	0.001
Picloram	EPA 515.4	0.0001	ND	0.5
Simazine	EPA 525.2	0.00005	ND	0.004
Total PCBs	EPA 505	0.0001	ND	0.5
Toxaphene	EPA 505	0.0005	ND	0.003
<b>GROUP V RADIOACTIVITY</b>			<b>Picocuries per Liter</b>	
Alpha, Gross	EPA 900.0	3.0	ND	15
Beta, Gross	EPA 900.0	3.0	ND	50
Radium 226 (Subbed)	EPA 903.1	0.68	<0.677	5
Radium 228 (Subbed)	EPA 904.0	0.86	<0.864	5
Uranium ICAP/MS (mg/L)	EPA 200.8	0.001	ND	0.03

SOQ=Standard of Quality per FDA or California

ND=Not detected at the specified limit

All results reported in milligrams per liter unless otherwise noted



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<b>GROUP VI</b>				
<b>BACTERIOLOGICAL</b>			<b>Milligrams per Liter</b>	
E. Coli Bacteria	SM 9223	1.1	<1.1	1.1
Total Coliform Bacteria	SM 9223	1.1	<1.1	2.2
<b>GROUP VII</b>				
<b>Disinfection Byproducts</b>			<b>Milligrams per Liter</b>	
Bromate by UV/VIS	EPA 317	0.001	0.0016	0.01
Chlorite	EPA 300.0	0.01	ND	1
D/DBP Haloacetic Acids (HAA5)	SM 6251B	0.002	ND	0.06
<b>GROUP VIII</b>				
<b>Residual Disinfectants</b>			<b>Milligrams per Liter</b>	
Chloramines	SM 4500CL-G/HACH	0.1	ND	4
Chlorine Dioxide	SM 4500CLO2-D/HACH	0.2	ND	0.8
Total Chlorine Residual	SM 4500CL-G/HACH	0.1	ND	4

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**Client:** Chameleon Beverage Company, Inc.  
6444 East 26th Street  
Commerce, CA 90040

**REPORT DATE:** 05/17/2011  
**DATE RECEIVED:** 03/29/2011  
**SAMPLE NO:** 201103290088

**Attention:** Hilda Menendez  
**Sample Id:** Purified Water CBC 11 083 2135 EXP MAR 24 13 P  
**Date Sampled:** 3/29/2011

**INVESTIGATION:** Analysis per Title 21, Federal Code of Regulations 103.35 - New York Limits

### ANALYTICAL RESULTS

Parameter	Method	Reporting Limit	Result	SOQ
<b>GROUP I</b>				
<b>PHYSICAL</b>				
Apparent Color	SM 2120B	3	ND ACU	15
Odor at 60 C (TON)	SM 2150B	1	1.0 TON	3
Total Dissolved Solid (TDS)	SM 2540C	10	ND	500
Turbidity	EPA 180.1	0.05	ND NTU	5
<b>GROUP II</b>				
<b>CHEMICAL SUBSTANCE 1</b>				
			<b>Milligrams per Liter</b>	
Aluminum Total ICAP/MS	EPA 200.8	0.02	ND	0.2
Antimony Total ICAP/MS	EPA 200.8	0.001	ND	0.006
Arsenic Total ICAP/MS	EPA 200.8	0.001	ND	0.01
Barium Total ICAP/MS	EPA 200.8	0.002	ND	2
Beryllium Total ICAP/MS	EPA 200.8	0.001	ND	0.004
Cadmium Total ICAP/MS	EPA 200.8	0.0005	ND	0.005
Chloride	EPA 300.0	1	1.3	250
Chromium Total ICAP/MS	EPA 200.8	0.001	ND	0.1
Copper Total ICAP/MS	EPA 200.8	0.002	ND	1
Cyanide	SM 4500CN-F	0.03	ND	0.2
Cyanide by manual distillation	EPA 335.4	0.005	ND	0.2
Fluoride	SM 4500F-C	0.05	ND	1.4-2.4
Iron Total ICAP	EPA 200.7	0.02	ND	0.3
Lead Total ICAP/MS	EPA 200.8	0.0005	ND	0.005
Manganese Total ICAP/MS	EPA 200.8	0.002	ND	0.05
Mercury	EPA 245.1	0.0002	ND	0.002
Nickel Total ICAP/MS	EPA 200.8	0.005	ND	0.1
Nitrate-N	EPA 300.0	0.1	0.20	10
Nitrite-N	EPA 300.0	0.05	ND	1
Phenol	EPA 420.4	0.001	ND	0.001
Selenium Total ICAP/MS	EPA 200.8	0.005	ND	0.05

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**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  
FDA\_NY Report  
# 359953

REPORT DATE: 05/17/2011  
DATE RECEIVED: 03/29/2011  
LABORATORY NO: 201103290088

Parameter	Method	Reporting Limit	Result	SOQ
Silver Total ICAP/MS	EPA 200.8	0.0005	ND	0.1
Sulfate	EPA 300.0	0.5	ND	250
Thallium Total ICAP/MS	EPA 200.8	0.001	ND	0.002
Total Nitrate + Nitrite	EPA 300.0	0.1	0.20	10
Zinc Total ICAP/MS	EPA 200.8	0.02	ND	5
<b>GROUP III CHEMICAL SUBSTANCE 2 (VOC)</b>			<b>Milligrams per Liter</b>	
1,1,1-Trichloroethane	EPA 524.2	0.0005	ND	0.2
1,1,2-Trichloroethane	EPA 524.2	0.0005	ND	0.005
1,1-Dichloroethene	EPA 524.2	0.0005	ND	0.007
1,2,4-Trichlorobenzene	EPA 524.2	0.0005	ND	0.07
1,2-Dichloroethane	EPA 524.2	0.0005	ND	0.005
Benzene	EPA 524.2	0.0005	ND	0.005
Carbon Tetrachloride	EPA 524.2	0.0005	ND	0.005
Chlorobenzene	EPA 524.2	0.0005	ND	0.1
cis-1,2-Dichloroethylene	EPA 524.2	0.0005	ND	0.07
Dichloromethane	EPA 524.2	0.0005	ND	0.005
Ethyl benzene	EPA 524.2	0.0005	ND	0.7
o-Dichlorobenzene (1,2-DCB)	EPA 524.2	0.0005	ND	0.6
p-Dichlorobenzene (1,4-DCB)	EPA 524.2	0.0005	ND	0.075
Styrene	EPA 524.2	0.0005	ND	0.1
Tetrachloroethylene (PCE)	EPA 524.2	0.0005	ND	0.005
Toluene	EPA 524.2	0.0005	ND	1
Total THM	EPA 524.2	0.0005	ND	0.08
Total xylenes	EPA 524.2	0.001	ND	10
trans-1,2-Dichloroethylene	EPA 524.2	0.0005	ND	0.1
Trichloroethylene (TCE)	EPA 524.2	0.0005	ND	0.005
Vinyl chloride (VC)	EPA 524.2	0.0003	ND	0.002
<b>GROUP IV CHEMICAL SUBSTANCE 3 (NON VOC)</b>			<b>Milligrams per Liter</b>	
2,3,7,8-TCDD, ug/L	EPA 1613B	0.00000005	ND	3e-005
2,4,5-TP (Silvex)	EPA 515.4	0.0002	ND	0.05
2,4-D	EPA 515.4	0.0001	ND	0.07
Alachlor (Alanex)	EPA 505	0.0001	ND	0.002
Atrazine	EPA 525.2	0.00005	ND	0.003
Benzo(a)pyrene	EPA 525.2	0.00002	ND	0.0002
Carbofuran	EPA 531.2	0.0005	ND	0.04
Chlordane	EPA 505	0.0001	ND	0.002
Dalapon	EPA 515.4	0.001	ND	0.2
Di-(2-Ethylhexyl)adipate	EPA 525.2	0.0006	ND	0.4
Dibromochloropropane (DBCP)	EPA 551.1	0.00001	ND	0.0002

Dinoseb	EPA 515.4	0.0002	ND	0.007
Diquat	EPA 549.2	0.0004	ND	0.02
Endothall	EPA 548.1	0.005	ND	0.1
Endrin	EPA 505	0.00001	ND	0.002
Ethylene Dibromide (EDB)	EPA 551.1	0.00001	ND	5e-005
Glyphosate	EPA 547	0.006	ND	0.7
Heptachlor	EPA 505	0.00001	ND	0.0004
Heptachlor Epoxide	EPA 505	0.00001	ND	0.0002
Hexachlorobenzene	EPA 525.2	0.00005	ND	0.001
Hexachlorocyclopentadiene	EPA 525.2	0.00005	ND	0.05
Lindane (gamma-BHC)	EPA 505	0.00001	ND	0.0002
Methoxychlor	EPA 505	0.00005	ND	0.04
Oxamyl (Vydate)	EPA 531.2	0.0005	ND	0.2
Pentachlorophenol	EPA 515.4	0.00004	ND	0.001
Picloram	EPA 515.4	0.0001	ND	0.0005
Simazine	EPA 525.2	0.00005	ND	0.004
Total PCBs	EPA 505	0.0001	ND	0.0005
Toxaphene	EPA 505	0.0005	ND	0.003

**GROUP V**  
**RADIOACTIVITY**

Alpha, Gross	EPA 900.0	3.0	ND	15
Beta, Gross	EPA 900.0	3.0	ND	50
Radium 226 (Subbed)	EPA 903.1	0.68	<0.677	3
Radium 228 (Subbed)	EPA 904.0	0.86	<0.864	5
Uranium ICAP/MS (mg/L)	EPA 200.8	0.001	ND	0.03

**Picocuries**
**GROUP VI**  
**BACTERIOLOGICAL**

E. Coli Bacteria	SM 9223	1.1	<1.1	1.1
Total Coliform Bacteria	SM 9223	1.1	<1.1	2.2

**Milligrams per Liter**
**GROUP VII**  
**Disinfection Byproducts**

Bromate by UV/VIS	EPA 317	0.001	0.0016	0.01
Chlorite	EPA 300.0	0.01	ND	1
D/DBP Haloacetic Acids (HAA5)	SM 6251B	0.002	ND	0.06

**Milligrams per Liter**
**GROUP VIII**  
**Residual Disinfectants**

Chloramines	SM 4500CL-G/HACH	0.1	ND	4
Chlorine Dioxide	SM 4500CLO2-D/HACH	0.2	ND	0.8
Total Chlorine Residual	SM 4500CL-G/HACH	0.1	ND	4

**Milligrams per Liter**



**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)

Chameleon Beverage Company, Inc.  
Hilda Menendez  
6444 East 26th Street  
Commerce, CA 90040

**Laboratory Comments**  
**Report: #359953**

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**Group Comments**

Analytical results for Radium 226, and Radium 228 are submitted by Pace Analytical Services, Greensburg, PA

May 11, 2011

Ms. Jaclyn L. Contreras  
MWH Americas, Inc.  
Royal Oaks Dr.  
Suite 100  
Monrovia, CA 910163629


RE: Project: PACE PA 359953  
Pace Project No.: 3045352

Dear Ms. Contreras:

Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Carin Ferris for  
Jacquelyn Collins  
jacquelyn.collins@pacelabs.com  
Project Manager

Enclosures

cc: Mr. Aleksandar D. Tomovich, MWH Americas, Inc.

**REPORT OF LABORATORY ANALYSIS**

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## CERTIFICATIONS

Project: PACE PA 359953  
Pace Project No.: 3045352

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4, Greensburg, PA 15601

Alabama Certification #: 41590  
Arizona Certification #: AZ0734  
Arkansas Certification  
California/NELAC Certification #: 04222CA  
Colorado Certification  
Connecticut Certification #: PH 0694  
Delaware Certification  
Florida/NELAC Certification #: E87683  
Guam/PADEP Certification  
Hawaii/PADEP Certification  
Idaho Certification  
Illinois/PADEP Certification  
Indiana/PADEP Certification  
Iowa Certification #: 391  
Kansas/NELAC Certification #: E-10358  
Kentucky Certification #: 90133  
Louisiana/NELAC Certification #: LA080002  
Louisiana/NELAC Certification #: 4086  
Maine Certification #: PA0091  
Maryland Certification #: 308  
Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification  
Missouri Certification #: 235  
Montana Certification #: Cert 0082  
Nevada Certification  
New Hampshire/NELAC Certification #: 2976  
New Jersey/NELAC Certification #: PA 051  
New Mexico Certification  
New York/NELAC Certification #: 10888  
North Carolina Certification #: 42706  
Oregon/NELAC Certification #: PA200002  
Pennsylvania/NELAC Certification #: 65-00282  
Puerto Rico Certification #: PA01457  
South Dakota Certification  
Tennessee Certification #: TN2867  
Texas/NELAC Certification #: T104704188-09 TX  
Utah/NELAC Certification #: ANTE  
Virgin Island/PADEP Certification  
Virginia Certification #: 00112  
Washington Certification #: C1941  
West Virginia Certification #: 143  
Wisconsin/PADEP Certification  
Wyoming Certification #: 8TMS-Q

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: PACE PA 359953

Pace Project No.: 3045352

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3045352001	201103290088	Drinking Water	03/29/11 11:53	04/21/11 10:00

### REPORT OF LABORATORY ANALYSIS

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**SAMPLE ANALYTE COUNT**

Project: PACE PA 359953  
Pace Project No.: 3045352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3045352001	201103290088	EPA 903.1	RMD	1	PASI-PA
		EPA 904.0	DJL	1	PASI-PA

**REPORT OF LABORATORY ANALYSIS**

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## PROJECT NARRATIVE

Project: PACE PA 359953  
Pace Project No.: 3045352

---

**Method:** EPA 903.1  
**Description:** 903.1 Radium 226  
**Client:** MWH Laboratories  
**Date:** May 11, 2011

**General Information:**

1 sample was analyzed for EPA 903.1. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: PACE PA 359953  
Pace Project No.: 3045352

---

**Method:** EPA 904.0  
**Description:** 904.0 Radium 228  
**Client:** MWH Laboratories  
**Date:** May 11, 2011

**General Information:**

1 sample was analyzed for EPA 904.0. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: PACE PA 359953

Pace Project No.: 3045352

**Sample: 201103290088**      **Lab ID: 3045352001**      Collected: 03/29/11 11:53      Received: 04/21/11 10:00      Matrix: Drinking Water  
PWS:      Site ID:      Sample Type:

Parameters	Method	Act ± Unc (MDC)	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	<b>-0.073 ± 0.248 (0.677)</b>	pCi/L	05/05/11 13:09	13982-63-3	
Radium-228	EPA 904.0	<b>0.384 ± 0.409 (0.864)</b>	pCi/L	05/09/11 12:38	15262-20-1	

### QUALITY CONTROL DATA

Project: PACE PA 359953

Pace Project No.: 3045352

QC Batch: RADC/8141

Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1

Analysis Description: 903.1 Radium-226

Associated Lab Samples: 3045352001

METHOD BLANK: 291340

Matrix: Water

Associated Lab Samples: 3045352001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-226	0.237 ± 0.467 (0.851)	pCi/L	05/05/11 12:58	

### QUALITY CONTROL DATA

Project: PACE PA 359953  
Pace Project No.: 3045352

---

QC Batch: RADC/8180	Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0	Analysis Description: 904.0 Radium 228
Associated Lab Samples: 3045352001	

---

METHOD BLANK: 292389 Matrix: Water  
Associated Lab Samples: 3045352001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-228	-0.0855 ± 0.355 (0.834)	pCi/L	05/09/11 12:35	

## QUALIFIERS

Project: PACE PA 359953  
Pace Project No.: 3045352

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty

(MDC) - Minimum Detectable Concentration

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg



MWH Laboratories  
 A Division of MWH Americas, Inc.  
 750 Royal Oaks Drive Suite 100  
 Monrovia, CA 91016-3629  
 Ph (626) 386-1100 Fax (626) 386-1095

Ship To

1638 Roseytown Road, Suite 2  
 PACE Analytical Services, Inc.

Greensburg, PA 15601

724-850-5600 Fax 724-850-5601

Date 4/20/2011

Submittal Form & Purchase Order 99-10142

\*REPORTING REQUIREMENTS: Do Not Combine Report with any other samples submitted under different MWH project numbers!  
 Report & Invoice must have the MWH Project Number 359953 Sub PO# 99-10142 and Job # 1000014

Report all quality control data according to Method. Include dates analyzed date extracted (if extracted) and Method reference on the report  
 Results must have Complete data & QC with Approval Signature. See reverse side for List of Terms and Conditions

Reports: Jackie Contreras Sub-Contracting Administrator  
 EMAIL TO: mwmlabs-subcontractreports@mwglobal.com  
 MWH Laboratories 750 Royal Oaks Dr. Ste. 100, Monrovia, CA 91016  
 Phone (626) 386-1165 Fax (626) 386-1122  
 Invoices to: MWH LABORATORIES  
 Accounts Payable PO BOX 6610, Broomfield, CO 80021

Provide in each Report the Specified State  
 Certification # & Exp Date for requested tests  
 + matrix.

Samples from the State of: CALIFORNIA

3045352

MWH Project # 359953 Report Due: 05/12/2011 Sub PO# 99-10142

Client Sample ID for reference only

Sample	Date & Time Matrix	PWS Systemcode	PWSID
EPA 903.1 @R228EDD	Spring Water CBC 11 083 2135 EXP M Radium 226 (Sub)		
EPA 904.0 @R228EDD	Spring Water CBC 11 083 2135 EXP M Radium 228 (Sub)		

Preserved @ 1130 4/21/11 ECH

Relinquished by:

Sample Control Date 4/20/11 Time 2:00

MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN CELSIUS

Received by:

Date 4/21/11 Time 10:00

An Acknowledgement of Receipt is requested to attn: Christine Lewis



**Sample Condition Upon Receipt**

SIB

Client Name: MWH

Project # 3045352

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: 42947874 USS3

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used 3 5

Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature NA

Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: ECH/2/11

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>DW</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. Pres w/ 1ml HNO3 @ 1130 4/21/11
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed <u>ECH</u> Lot # of added preservative <u>R=11-0097-5</u>
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

**Client Notification/ Resolution:**

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

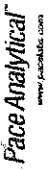
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: [Signature]

Date: 4/21/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

# Quality Control Sample Performance Assessment



**Analyst Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-226  
Analyst: RMD  
Date: 4/26/2011  
Worklist: 8141  
Matrix: DW

**Method Blank Assessment**

MB Sample ID: 291340  
MB Concentration: 0.237  
MB Counting Uncertainty: 0.465  
MB MDC: 0.851  
MB Numerical Performance Indicator: 4.22  
MB Status vs Numerical Indicator: N/A  
MB Status vs MDC: Pass

**Laboratory Control Sample Assessment**

Count Date:	LCS8141	Y
5/5/2011	5/5/2011	5/5/2011
Spike I.D.:	09-036	09-036
Spike Concentration (pCi/ml):	59.735	59.735
Volume Used (ml):	0.10	0.10
Aliquot Volume (L, g, F):	0.500	0.500
Target Conc. (pCi/L, g, F):	11.947	11.947
Uncertainty (Calculated):	0.287	0.287
Result (pCi/L, g, F):	13.892	11.432
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	2.177	1.844
Numerical Performance Indicator:	1.74	0.54
Percent Recovery:	116.26%	95.69%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass

**Duplicate Sample Assessment**

Sample I.D.:	LCS8141	LCS8141
Duplicate Sample I.D.:	LCS8141	LCS8141
Sample Result (pCi/L, g, F):	13.892	13.892
Sample Result Counting Uncertainty (pCi/L, g, F):	2.177	2.177
Sample Duplicate Result (pCi/L, g, F):	11.432	11.432
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.844	1.844
Are sample and/or duplicate results below MDC?	NO	NO
Duplicate Numerical Performance Indicator:	1.689	1.689
Duplicate RPD:	19.42%	19.42%
Duplicate Status vs Numerical Indicator:	N/A	N/A
Duplicate Status vs RPD:	Pass	Pass

# Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

*On 5/11/11*

**Sample Matrix Spike Control Assessment**

Sample Collection Date: 4/21/2011  
Sample I.D.: 3045358001  
Sample MS I.D.: 3045358001MS  
Sample MSD I.D.: 09-036  
MSMSD Decay Corrected Spike Concentration (pCi/ml): 59.736  
Spike Volume Used in MS (ml): 0.20  
Spike Volume Used in MSD (ml): 0.500  
MS Aliquot (L, g, F): 23.894  
MSD Aliquot (L, g, F): 23.894  
MS Target Conc. (pCi/L, g, F): 0.573  
MSD Target Conc. (pCi/L, g, F): 0.083  
Spike uncertainty (calculated): 0.162  
Sample Result: 24.709  
Sample Result Counting Uncertainty (pCi/L, g, F): 2.715  
Sample Matrix Spike Result: 0.516  
Sample Matrix Spike Duplicate Result: 103.06%  
Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): N/A  
MS Numerical Performance Indicator: Pass  
MSD Numerical Performance Indicator: Pass  
MS Percent Recovery: N/A  
MSD Percent Recovery: Pass  
MS Status vs Numerical Indicator: Pass  
MSD Status vs Numerical Indicator: Pass  
MS Status vs Recovery: Pass  
MSD Status vs Recovery: Pass

**Matrix Spike/Matrix Spike Duplicate Sample Assessment**

Sample I.D.:  
Sample MS I.D.:  
Sample MSD I.D.:  
Sample Matrix Spike Result:  
Sample Matrix Spike Duplicate Result:  
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):  
Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):  
Duplicate Numerical Performance Indicator:  
MS/MSD Duplicate RPD:  
MS/MSD Duplicate Status vs Numerical Indicator:  
MS/MSD Duplicate Status vs RPD:

# Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228  
 Analyst: D.J.L.  
 Date: 4/19/2011  
 Worklist: 8180  
 Matrix: DW



**Method Blank Assessment**

MB Sample ID: 282389  
 MB concentration: -0.086  
 MB Counting Uncertainty: 0.354  
 MB MDC: 0.834  
 MB Numerical Performance Indicator: -0.47  
 MB Status vs Numerical Indicator: N/A  
 MB Status vs MDC: Pass

**Laboratory Control Sample Assessment**

Count Date: 5/9/2011  
 Spike I.D.: 09-037  
 Spike Concentration (pCi/mL): 73.709  
 Volume Used (mL): 0.10  
 Aliquot Volume (L, g, F): 0.800  
 Target Conc. (pCi/L, g, F): 9.214  
 Uncertainty (Calculated): 0.266  
 Result (pCi/L, g, F): 9.747  
 LCS/LCSD Counting Uncertainty (pCi/L, g, F): 1.237  
 Numerical Performance Indicator: 0.82  
 Percent Recovery: 105.79%  
 Status vs Numerical Indicator: N/A  
 Status vs Recovery: Pass

**Duplicate Sample Assessment**

Sample I.D.: LCS8180  
 Duplicate Sample I.D.: LCS08180  
 Sample Result (pCi/L, g, F): 9.747  
 Sample Result Counting Uncertainty (pCi/L, g, F): 1.237  
 Sample Duplicate Result (pCi/L, g, F): 11.249  
 Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 1.450  
 Are sample and/or duplicate results below MDC? NO  
 Duplicate Numerical Performance Indicator: -1.544  
 Duplicate RPD: 14.31%  
 Duplicate Status vs Numerical Indicator: N/A  
 Duplicate Status vs RPD: Pass

**Sample Matrix Spike Control Assessment**

Sample Collection Date: 4/21/2011  
 Sample I.D.: 3045361001  
 Sample MS I.D.: 3045361001MS  
 Spike I.D.: 09-037  
 MS/MSD Decay Corrected Spike Concentration (pCi/mL): 74.148  
 Spike Volume Used in MS (mL): 0.20  
 MS Aliquot (L, g, F): 0.800  
 MS Target Conc. (pCi/L, g, F): 18.537  
 MSD Target Conc. (pCi/L, g, F): 0.575  
 Spike uncertainty (calculated): 1.043  
 Sample Result: 0.516  
 Sample Matrix Spike Result: 23.217  
 Sample Matrix Spike Duplicate Result: 1.940  
 Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): 3.414  
 MS Numerical Performance Indicator: 119.62%  
 MS Percent Recovery: N/A  
 MSD Percent Recovery: N/A  
 MS Status vs Numerical Indicator: N/A  
 MSD Status vs Numerical Indicator: N/A  
 MS Status vs Recovery: Pass  
 MSD Status vs Recovery: Pass

**Matrix Spike/Matrix Spike Duplicate Sample Assessment**

Sample I.D.:  
 Sample MS I.D.:  
 Sample MSD I.D.:  
 Sample Matrix Spike Result:  
 Matrix Spike Result Counting Uncertainty (pCi/L, g, F):  
 Sample Matrix Spike Duplicate Result:  
 Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):  
 Duplicate Numerical Performance Indicator:  
 MS/MSD Duplicate RPD:  
 MS/MSD Duplicate Status vs Numerical Indicator:  
 MS/MSD Duplicate Status vs RPD:

# Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

*On 5/11/11*