

**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0945**

Investigator: Chris Christensen	RHB	Requestor: Roger Lupo	RHB
	CA	CDPH - RHB, 1500 Capitol Av., MS 7610	
Phone Number: 707-299-8761		Sacramento CA 95814-5006	Phone Number: 916-440-7955
Site/Project Name: Humboldt Creamery / Milk / 4th Qtr 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 11/5/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0945-01	Sample ID: R 94202 Sample Type: Milk	Time Collected: 11/4/2013 07:10	Sampling Point: Humboldt Creamery	
K-40	EPA 901.1	1320 +/- 31.3	33.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received <b>11-9-13</b>	Lab No. (Leave Blank) <b>13-0945</b>
	Date & Time Sampled <b>11-4-13 0710</b>	Serial Number <b>R 94202</b>
<b>Collector Information</b> Name: <b>Chris Christensen</b> Dept./Branch: Address: <b>231 Annaba Dr Fortuna CA 95540</b> Telephone No.:	<b>Reporting Information</b> Name: <b>Milk &amp; Dairy Food Safety</b> Dept./Branch: <b>1220 N Street</b> Address: <b>Sacramento CA 95814</b> Telephone No.:	
<b>Sample Information</b> System Name / Facility: <b>Humboldt Creamery</b> Sampling Point (s): <b>572 Highway 1 Fortuna CA 95540</b> System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input checked="" type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWB <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____	

TYPE OF SAMPLE (Check all applicable boxes)

<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Surface Water	<input type="checkbox"/> Wastewater
<input type="checkbox"/> Raw	<input type="checkbox"/> Water Treatment Plant (WTP)	<input type="checkbox"/> Distribution System	<input type="checkbox"/> Point of Use (POU)
<input type="checkbox"/> Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted			
<input type="checkbox"/> Air Filters	Date/Time	<input type="checkbox"/> Seawater	<input type="checkbox"/> Sludge (Semi-solid Samples)
Finishing: _____	_____	<input checked="" type="checkbox"/> Milk	<input type="checkbox"/> Soil/Sediment
Starting: _____	_____	<input type="checkbox"/> Wipes	<input type="checkbox"/> Biota (Type): _____
Net (M <sup>3</sup> ) _____		<input type="checkbox"/> Radon Canister	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Air Charcoal Cartridge			

COMMENTS: (Cautions, etc.):

Field Treatment: Preservatives added: \_\_\_\_\_ Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_

Field Measurement: \_\_\_\_\_ mR/hr  Radionuclide(s), if known: \_\_\_\_\_

Rush/Priority (should be prearranged and have supervisory approval)

ANALYSIS REQUESTED (For questions, please call 510-620-2911)

<input type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium (3H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

CHAIN OF CUSTODY

1. <u>11-4-13</u> Date	<u>Karl Crandall</u> Name (Print)	<u>[Signature]</u> Signature	<u>11-4-13</u> Date
<u>0710</u> Time Custody Received	<u>Humboldt Creamery</u> Organization		<u>0715</u> Time Custody Released
2. <u>11-4-13</u> Date	<u>Chris Christensen</u> Name (Print)	<u>[Signature]</u> Signature	<u>11-4-13</u> Date
<u>0715</u> Time Custody Received	<u>Milk &amp; Dairy Food Safety</u> Organization		<u>0720</u> Time Custody Released
3. <u>11-9-13</u> Date	<u>UA</u> Name (Print)	<u>[Signature]</u> Signature	_____ Date
<u>10:30</u> Time Custody Received	<u>DWR/CRB</u> Organization		_____ Time Custody Released

**LABORATORY REMARKS (Leave Blank)** ≤ 0.01 M R / A R

A. Condition at Time of Receipt:

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

B. Preservatives/Carriers:

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
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**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0924**

Investigator: Gary Smits	RHB	Requestor: Roger Lupo	RHB
Lab 511 , 9th St		CDPH - RHB, 1500 Capitol Av., MS 7610	
Crescent City CA 95531		Sacramento CA 95814-5006	
Phone Number:		Phone Number: 916-440-7955	
Site/Project Name: Rumiano Cheese / Milk / 4th Qtr 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 10/31/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0924-01	Sample ID: R 94201 Sample Type: Milk	Time Collected: 10/29/2013	Sampling Point: Rumiano Cheese	
K-40	EPA 901.1	1330 +/- 31.6	33.8	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

**REQUEST FOR SAMPLE ANALYSIS (Radiochemical)**

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received 10-31-13	Lab No. (Leave Blank) 13-0924
	Date & Time Sampled 10-29-13	Serial Number R 94201
<b>Collector Information</b> Name: GARY SMITS Dept./Branch: Address: 511 9th Crescent City C.A.  Telephone No.: 707 465-1535	<b>Reporting Information</b> Name: Dept./Branch: Address: Roger Lupo  Telephone No.:	
<b>Sample Information</b> System Name / Facility: RUMIANO CHEESE Co Sampling Point (s): FARM PICKUP ROAD #1  System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____	

**TYPE OF SAMPLE (Check all applicable boxes)**

<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Surface Water	<input type="checkbox"/> Wastewater
<input checked="" type="checkbox"/> Raw	<input type="checkbox"/> Water Treatment Plant (WTP)	<input type="checkbox"/> Distribution System	<input type="checkbox"/> Point of Use (POU)
<input type="checkbox"/> Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted			

<input type="checkbox"/> Air Filters	Date/Time	<input type="checkbox"/> Seawater	<input type="checkbox"/> Sludge (Semi-solid Samples)
Finishing: _____	_____	<input checked="" type="checkbox"/> Milk	<input type="checkbox"/> Soil/Sediment
Starting: _____	_____	<input type="checkbox"/> Wipes	<input type="checkbox"/> Biota (Type): _____
Net (M <sup>3</sup> ) _____		<input type="checkbox"/> Radon Canister	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Air Charcoal Cartridge			

**COMMENTS: (Cautions, etc.):** \_\_\_\_\_

Field Treatment: Preservatives added: \_\_\_\_\_ Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_

Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_

Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

<input type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium (3H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

**CHAIN OF CUSTODY**

1. Date: 10-29-13	Name (Print): GARY SMITS	Signature:	Date: 10-30-13
Time Custody Received:	Organization: RUMIANO CHEESE		Time Custody Released: 10:00 AM
2. Date: _____	Name (Print): _____	Signature: _____	Date: _____
Time Custody Received: _____	Organization: _____	Signature: _____	Time Custody Released: _____
3. Date: 10-31-13	Name (Print): VA	Signature:	Date: _____
Time Custody Received: 10:45	Organization: DWRLB		Time Custody Released: _____

**LABORATORY REMARKS (Leave Blank)**

A. Condition at Time of Receipt: 0.01 mR/hr

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

B. Preservatives/Carriers:

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
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**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0851**

Investigator: Rick Treinen PO Box 56 Avila Beach CA 93424 Phone Number: 805-545-6481	RHB	Requestor: Roger Lupo CDPH - RHB, 1500 Capitol Av., MS 7610 Sacramento CA 95814-5006 Phone Number: 916-440-7955	RHB
Site/Project Name: Diablo Canoyon NPP / Milk / October 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 10/8/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0851-01	Sample ID: R 94009 Sample Type: Milk	Time Collected: 10/7/2013 08:00	Sampling Point: Cal Poly Dairy Farm	
I-131	EPA 901.1	-0.154 +/- 0.211	0.940	pCi/L
K-40	EPA 901.1	1260 +/- 27.6	25.7	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received 10-8-13	Lab No. (Leave Blank) 13-0851
	Date & Time Sampled 10/7/13 0800	Serial Number R 94009

<b>Collector Information</b> Name: Rick Treinen Dept./Branch: PO Box 56 Address: Avila Beach, CA 93424  Telephone No.: 805-545-6481	<b>Reporting Information</b> Name: Dept./Branch: Address:  Telephone No.:
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<b>Sample Information</b> System Name / Facility: CAL POLY DAIRY Sampling Point (s): 5F2  System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE** (Check all applicable boxes)

<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Surface Water	<input type="checkbox"/> Wastewater
<input type="checkbox"/> Raw	<input type="checkbox"/> Water Treatment Plant (WTP)	<input type="checkbox"/> Distribution System	<input type="checkbox"/> Point of Use (POU)
<input type="checkbox"/> Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted			
<input type="checkbox"/> Air Filters	Date/Time	<input type="checkbox"/> Seawater	<input type="checkbox"/> Sludge (Semi-solid Samples)
Finishing: _____	_____	<input checked="" type="checkbox"/> Milk	<input type="checkbox"/> Soil/Sediment
Starting: _____	_____	<input type="checkbox"/> Wipes	<input type="checkbox"/> Biota (Type): _____
Net (M <sup>3</sup> ) _____	_____	<input type="checkbox"/> Radon Canister	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Air Charcoal Cartridge			

**COMMENTS:** (Cautions, etc.): \_\_\_\_\_

Field Treatment: Preservatives added: Formaldehyde    Iced/Frozen: \_\_\_\_\_    Other: \_\_\_\_\_

Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_

Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED** (For questions, please call 510-620-2911)

<input type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium ( <sup>3</sup> H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

**CHAIN OF CUSTODY**

1.	Date: 10/7/13 0800	Name (Print): Rick Treinen PG&E	Signature:	Date: 10/7/13 1700	Time Custody Released: _____
2.	Date: _____	Name (Print): _____	Signature: _____	Date: _____	Time Custody Released: _____
3.	Date: 10-8-13 16:00	Name (Print): JIA DWR/CB	Signature:	Date: _____	Time Custody Released: _____

**LABORATORY REMARKS** (Leave Blank)

A. Condition at Time of Receipt:  $\leq 0.01$  MR/HR

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

B. Preservatives/Carriers:

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
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**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0651**

Investigator: Tom Hook	RHB	Requestor: Roger Lupo	RHB
P O Box 56		CDPH - RHB, 1500 Capitol Av., MS 7610	
Avila Beach	CA 93424	Sacramento	CA 95814-5006
Phone Number: 805-545-4409		Phone Number: 916-440-7955	
Site/Project Name: Diablo Canoyon NPP / Milk / September 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 9/4/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0651-01	Sample ID: 96393 Sample Type: Milk	Time Collected: 9/3/2013 07:20	Sampling Point: Cal Poly Dairy Farms	
K-40	EPA 901.1	1240 +/- 27.2	25.6	pCi/L
I-131	EPA 901.1	-0.0439 +/- 0.196	0.877	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received 9-4-13	Lab No. (Leave Blank) 13 0651
	Date & Time Sampled 9/3/13 - 0720	Serial Number R 96393

<b>Collector Information</b> Name: Tom Hook Dept./Branch: P.O. Box 52 Address: AULA BEACH, CA 93424 Telephone No.: (805) 545-4409	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:
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<b>Sample Information</b> System Name / Facility: CAL POLY DAIRY Sampling Point (s): 5F2 System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE** (Check all applicable boxes)

Drinking Water     Groundwater     Surface Water     Wastewater  
 Raw     Water Treatment Plant (WTP)     Distribution System     Point of Use (POU)

Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted

Air Filters    Date/Time \_\_\_\_\_     Seawater     Sludge (Semi-solid Samples)  
 Finishing: \_\_\_\_\_     Milk     Soil/Sediment  
 Starting: \_\_\_\_\_     Wipes     Biota (Type): \_\_\_\_\_  
 Net (M<sup>3</sup>) \_\_\_\_\_     Radon Canister     Other: \_\_\_\_\_

Air Charcoal Cartridge

**COMMENTS:** (Cautions, etc.): \_\_\_\_\_

Field Treatment: Preservatives added: FORMALDEHYDE    Iced/Frozen: \_\_\_\_\_    Other: \_\_\_\_\_  
 Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_  
 Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED** (For questions, please call 510-620-2911)

Gross Alpha     Gross Beta     Gamma Scan  
 Total Uranium     Total Beta (LSC)     NORM (Gamma)  
 Total Radium     Tritium (<sup>3</sup>H)     Isotopic Americium / Curium  
 Radium-226     Carbon-14     Isotopic Plutonium  
 Radium-228     Iodine-131     Isotopic Thorium  
 Radon-222     Strontium-89, 90     Isotopic Uranium  
 Other (Specify): \_\_\_\_\_     Nickel-63     Iron-55

**CHAIN OF CUSTODY**

1.	Date: 9/3/13	Name (Print): Tom Hook	Signature:	Date: 9/3/13
	Time Custody Received: 0720	Organization: PG&E		Time Custody Released: 1700
2.	Date: _____	Name (Print): _____	Signature: _____	Date: _____
	Time Custody Received: _____	Organization: _____		Time Custody Released: _____
3.	Date: 9-11-13	Name (Print): UA	Signature:	Date: _____
	Time Custody Received: 10:40	Organization: DURCB	Signature:	Time Custody Released: _____

**LABORATORY REMARKS** (Leave Blank)

A. Condition at Time of Receipt:

Acceptable     Broken Container     Leaked in Transit     Improper Container  
 Holding Time Exceeded     Sample Not Cooled     Insufficient Sample

B. Preservatives/Carriers:

Added While Sampling     Added in Laboratory     Not Added     Not Applicable

≤ 0.01 mR/hr



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804

Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 13-0607

Investigator: Aaron Valley 5119th St. Crescent City Phone Number:	RHB CA 95531	Requestor: Roger Lupo CDPH - RHB, 1500 Capitol Av., MS 7610 Sacramento Phone Number: 916-440-7955	RHB CA 95814-5006
Site/Project Name: Rumiano Cheese / Milk / 3rd Qtr 2013		Samples Received by Lab: 8/15/2013	
System No:	Billing Agency: RHB		

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0607-01 Sample ID: R 96098 Sample Type: Milk		Time Collected: 8/14/2013 08:00	Sampling Point: Rumiano Cheese	
K-40	EPA 901.1	1260 +/- 30.3	32.8	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

**REQUEST FOR SAMPLE ANALYSIS (Radiochemical)**

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received 8-15-13	Lab No. (Leave Blank) 13-0607
	Date & Time Sampled 8/14/13 8:00am	Serial Number R 96098

<b>Collector Information</b> Name: Aaron Valley Dept./Branch: Rumiano Cheese Co. Address: 511 9th Street Crescent City CA 95531 (707) 465-1535 Telephone No.:	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:
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<b>Sample Information</b> System Name / Facility: Rumiano Cheese Plant Sampling Point (s): Farm pick up truck Load #2 System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE (Check all applicable boxes)**

<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Surface Water	<input type="checkbox"/> Wastewater
<input checked="" type="checkbox"/> Raw	<input type="checkbox"/> Water Treatment Plant (WTP)	<input type="checkbox"/> Distribution System	<input type="checkbox"/> Point of Use (POU)
<input type="checkbox"/> Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted			
<input type="checkbox"/> Air Filters	Date/Time	<input type="checkbox"/> Seawater	<input type="checkbox"/> Sludge (Semi-solid Samples)
Finishing: _____	_____	<input checked="" type="checkbox"/> Milk	<input type="checkbox"/> Soil/Sediment
Starting: _____	_____	<input type="checkbox"/> Wipes	<input type="checkbox"/> Biota (Type): _____
Net (M <sup>3</sup> ) _____	_____	<input type="checkbox"/> Radon Canister	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Air Charcoal Cartridge			

**COMMENTS: (Cautions, etc.):** \_\_\_\_\_

Field Treatment: Preservatives added: \_\_\_\_\_ Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_

Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_

Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

<input type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium (³H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

**CHAIN OF CUSTODY**

1.	Date: 8/14/13	Name (Print): Aaron Valley	Signature:	Date: 08/14/13	Time Custody Released: 2:00PM
	Time Custody Received: 8:00AM	Organization: _____			
2.	Date: _____	Name (Print): _____	Signature: _____	Date: _____	Time Custody Released: _____
	Time Custody Received: _____	Organization: _____			
3.	Date: 8-15-13	Name (Print): UA	Signature:	Date: _____	Time Custody Released: _____
	Time Custody Received: 13:00	Organization: DWRLB			

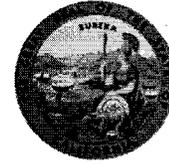
**LABORATORY REMARKS (Leave Blank)**

A. Condition at Time of Receipt: 5.0 dpm/HR

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

B. Preservatives/Carriers:

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
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**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0579**

Investigator: Chris Christensen	RHB	Requestor: Roger Lupo	RHB
	CA	CDPH - RHB, 1500 Capitol Av., MS 7610	
Phone Number: 707-299-8761		Sacramento CA 95814-5006	Phone Number: 916-440-7955
Site/Project Name: Humboldt Creamery / Milk / 3rd Qtr 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 6/7/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0579-01	Sample ID: R 96395 Sample Type: Milk	Time Collected: 8/6/2013 07:20	Sampling Point: Humboldt Creamery	
K-40	EPA 901.1	1320 +/- 31.3	32.7	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

3rd Qtr 2013

**REQUEST FOR SAMPLE ANALYSIS (Radiochemical)**

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received <b>8-7-13</b>	Lab No. (Leave Blank) <b>13-0579</b>
	Date & Time Sampled <b>8-6-13 0720</b>	Serial Number <b>R 96395</b>

<b>Collector Information</b> Name: <i>Chris Christensen</i> Dept./Branch: Address: <i>231 Annaly Dr Fortuna CA 95540</i> Telephone No.:	<b>Reporting Information</b> Name: <i>Milk + Dairy Food Safety Branch</i> Dept./Branch: <i>1220 N Street</i> Address: <i>Sacramento CA 95814</i> Telephone No.:
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<b>Sample Information</b> System Name / Facility: <i>Humboldt Creamery</i> Sampling Point (s): <i>572 Highway 1</i> System No.: <i>Fortuna CA 95540</i>	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE** (Check all applicable boxes)

Drinking Water     Groundwater     Surface Water     Wastewater  
 Raw     Water Treatment Plant (WTP)     Distribution System     Point of Use (POU)  
 Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted

Air Filters    Date/Time     Seawater     Sludge (Semi-solid Samples)  
 Finishing: \_\_\_\_\_ Starting: \_\_\_\_\_ Net (M<sup>3</sup>): \_\_\_\_\_  
 Air Charcoal Cartridge     Milk     Soil/Sediment  
 Wipes     Biota (Type): \_\_\_\_\_  
 Radon Canister     Other: \_\_\_\_\_

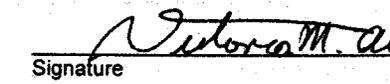
**COMMENTS:** (Cautions, etc.): \_\_\_\_\_

Field Treatment: Preservatives added: \_\_\_\_\_ Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_  
 Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_  
 Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED** (For questions, please call 510-620-2911)

Gross Alpha     Gross Beta     Gamma Scan  
 Total Uranium     Total Beta (LSC)     NORM (Gamma)  
 Total Radium     Tritium (<sup>3</sup>H)     Isotopic Americium / Curium  
 Radium-226     Carbon-14     Isotopic Plutonium  
 Radium-228     Iodine-131     Isotopic Thorium  
 Radon-222     Strontium-89, 90     Isotopic Uranium  
 Other (Specify): \_\_\_\_\_     Nickel-63     Iron-55

**CHAIN OF CUSTODY**

1. <u>8-6-13</u> Date <u>0720</u> Time Custody Received	<u>KEN LAND</u> Name (Print) <u>Humboldt Creamery</u> Organization	 Signature	<u>8-6-13</u> Date <u>0725</u> Time Custody Released
2. <u>8-6-13</u> Date <u>0725</u> Time Custody Received	<u>Chris Christensen</u> Name (Print) <u>Milk + Dairy Food Safety</u> Organization	 Signature	<u>8-6-13</u> Date <u>0730</u> Time Custody Released
3. <u>8-7-13</u> Date <u>11:00</u> Time Custody Received	<u>UA</u> Name (Print) <u>DWRLB</u> Organization	 Signature	_____ Date _____ Time Custody Released

**LABORATORY REMARKS** (Leave Blank)

**A. Condition at Time of Receipt:**

Acceptable     Broken Container     Leaked in Transit     Improper Container  
 Holding Time Exceeded     Sample Not Cooled     Insufficient Sample

**B. Preservatives/Carriers:**

Added While Sampling     Added in Laboratory     Not Added     Not Applicable

**≤ 0.01 mR/hr**



**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0578**

Investigator: Rick Treinen PO Box 56 Avila Beach CA 93424 Phone Number: 805-545-6481	RHB	Requestor: Roger Lupo CDPH - RHB, 1500 Capitol Av., MS 7610 Sacramento CA 95814-5006 Phone Number: 916-440-7955	RHB
Site/Project Name: Diablo Canoyon NPP / Milk / August 2013			
System No:		Billing Agency: RHB	Samples Received by Lab: 8/6/2013

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0578-01	Sample ID: R 95981 Sample Type: Milk	Time Collected: 8/5/2013 07:30	Sampling Point: Cal Poy Dairy Farms	
I-131		0.168 +/- 0.215	0.974	pCi/L
K-40	EPA 901.1	1290 +/- 28.2	25.7	pCi/L

- Precision criteria for these method were determined to be acceptable.
- CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

**REQUEST FOR SAMPLE ANALYSIS (Radiochemical)**

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received 8-6-13	Lab No. (Leave Blank) 13-0578
	Date & Time Sampled 8/5/13 0730	Serial Number R 95981

<b>Collector Information</b> Name: <u>Rich Treinen</u> Dept./Branch: <u>PO Box 56</u> Address: <u>Avila Beach, CA 93424</u> Telephone No.: <u>805-545-6881</u>	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:
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<b>Sample Information</b> System Name / Facility: <u>CAL POLY DAIRY</u> Sampling Point (s): <u>SF2</u> System No.:	<b>Billing Agency</b> <input checked="" type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE (Check all applicable boxes)**

Drinking Water     Groundwater     Surface Water     Wastewater  
 Raw     Water Treatment Plant (WTP)     Distribution System     Point of Use (POU)

Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted

Air Filters    Date/Time \_\_\_\_\_     Seawater     Sludge (Semi-solid Samples)  
 Finishing: \_\_\_\_\_     Milk     Soil/Sediment  
 Starting: \_\_\_\_\_     Wipes     Biota (Type): \_\_\_\_\_  
 Net (M<sup>3</sup>) \_\_\_\_\_     Radon Canister     Other: \_\_\_\_\_

Air Charcoal Cartridge

**COMMENTS: (Cautions, etc.):** \_\_\_\_\_

Field Treatment: Preservatives added: Formaldehyde    Iced/Frozen: \_\_\_\_\_    Other: \_\_\_\_\_  
 Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_  
 Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

Gross Alpha     Gross Beta     Gamma Scan  
 Total Uranium     Total Beta (LSC)     NORM (Gamma)  
 Total Radium     Tritium (<sup>3</sup>H)     Isotopic Americium / Curium  
 Radium-226     Carbon-14     Isotopic Plutonium  
 Radium-228     Iodine-131     Isotopic Thorium  
 Radon-222     Strontium-89, 90     Isotopic Uranium  
 Other (Specify): \_\_\_\_\_     Nickel-63     Iron-55

**CHAIN OF CUSTODY**

1.	Date 8/5/13	Name (Print) Rich Treinen	Signature 	Date 8/5/13
	Time Custody Received 0730	Organization PG&E		Time Custody Released 1700
2.	Date	Name (Print)	Signature	Date
	Time Custody Received	Organization		Time Custody Released
3.	Date 8-6-13	Name (Print) VA	Signature 	Date
	Time Custody Received 1:15	Organization DWR/CB		Time Custody Released

**LABORATORY REMARKS (Leave Blank)**

**A. Condition at Time of Receipt:**

Acceptable     Broken Container     Leaked in Transit     Improper Container  
 Holding Time Exceeded     Sample Not Cooled     Insufficient Sample

**B. Preservatives/Carriers:**

Added While Sampling     Added in Laboratory     Not Added     Not Applicable



**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0527**

Investigator: Rick Treinen PO Box 56 Avila Beach CA 93424 Phone Number: 805-545-6481	RHB	Requestor: Roger Lupo CDPH - RHB, 1500 Capitol Av., MS 7610 Sacramento CA 95814-5006 Phone Number: 916-440-7955	RHB
Site/Project Name: Diablo Canoyon NPP / July 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 7/9/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0527-01	Sample ID: R 95904 Sample Type: Milk	Time Collected: 7/8/2013 07:20	Sampling Point: Cal Poly Dairy Farms	
I-131	EPA 901.1	0.151 +/- 0.196	0.889	pCi/L
K-40	EPA 901.1	1320 +/- 28.8	25.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received 7/9/13	Lab No. (Leave Blank) 13-0527-01
	Date & Time Sampled 7/2/13-0720	Serial Number R 95904

<b>Collector Information</b> Name: Rick Treinen Dept./Branch: PO Box 56 Address: Avila Beach, CA 93424 Telephone No.: 805-545-6481	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:
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<b>Sample Information</b> System Name / Facility: Cal Poly Dairy Sampling Point (s): 5F2 System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE (Check all applicable boxes)**

Drinking Water     Groundwater     Surface Water     Wastewater  
 Raw     Water Treatment Plant (WTP)     Distribution System     Point of Use (POU)  
 Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted

Air Filters    Date/Time     Seawater     Sludge (Semi-solid Samples)  
 Finishing: \_\_\_\_\_ Starting: \_\_\_\_\_  
 Milk     Soil/Sediment  
 Wipes     Biota (Type): \_\_\_\_\_  
 Radon Canister     Other: \_\_\_\_\_

Air Charcoal Cartridge

**COMMENTS: (Cautions, etc.):**

Field Treatment: Preservatives added: Formaldehyde    Iced/Frozen: \_\_\_\_\_    Other: \_\_\_\_\_  
 Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_  
 Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

Gross Alpha     Gross Beta     Gamma Scan  
 Total Uranium     Total Beta (LSC)     NORM (Gamma)  
 Total Radium     Tritium (<sup>3</sup>H)     Isotopic Americium / Curium  
 Radium-226     Carbon-14     Isotopic Plutonium  
 Radium-228     Iodine-131     Isotopic Thorium  
 Radon-222     Strontium-89, 90     Isotopic Uranium  
 Other (Specify): \_\_\_\_\_     Nickel-63     Iron-55

**CHAIN OF CUSTODY**

1. Date: 7/2/13 Time Custody Received: 0720	Name (Print): Rick Treinen Organization: PG&E	Signature: [Signature]	Date: 7/2/13 Time Custody Released: 1705 ✓
2. Date: _____ Time Custody Received: _____	Name (Print): _____ Organization: _____	Signature: _____	Date: _____ Time Custody Released: _____
3. Date: 7/9/13 Time Custody Received: 15:15	Name (Print): A Tan Organization: DWRLB	Signature: [Signature]	Date: _____ Time Custody Released: _____

**LABORATORY REMARKS (Leave Blank)**

**A. Condition at Time of Receipt:**  
 Acceptable     Broken Container     Leaked in Transit     Improper Container  
 Holding Time Exceeded     Sample Not Cooled     Insufficient Sample

**B. Preservatives/Carriers:**  
 Added While Sampling     Added in Laboratory     Not Added     Not Applicable



**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0452**

Investigator: Tom Hook	RHB	Requestor: Roger Lupo	RHB
P O Box 56		CDPH - RHB, 1500 Capitol Av., MS 7610	
Avila Beach CA 93424		Sacramento CA 95814-5006	
Phone Number: 805-545-4409		Phone Number: 916-440-7955	
Site/Project Name: Diablo Canoyon NPP / Milk / June 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 6/5/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0452-01	Sample ID: R 96048 Sample Type: Milk	Time Collected: 6/3/2013 07:00	Sampling Point: Cal Poly Dairy Farms	
I-131	EPA 901.1	1.24 +/- 0.616	1.68	pCi/L
K-40	EPA 901.1	1290 +/- 28.3	28.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

### REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received <b>6-5-13</b>	Lab No. (Leave Blank) <b>13-0452</b>
	Date & Time Sampled <b>6/3/13 0700</b>	Serial Number <b>R 96048</b>

<b>Collector Information</b> Name: <b>TOM HOOK</b> Dept./Branch: <b>P.O. BOX 56</b> Address: <b>AVILA BEACH, CA 93424</b>  Telephone No.: <b>(805) 545-4409</b>	<b>Reporting Information</b> Name: Dept./Branch: Address:  Telephone No.:
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<b>Sample Information</b> System Name / Facility: <b>CAL POLY DAIRY</b> Sampling Point (s): <b>5F2</b>  System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE (Check all applicable boxes)**

<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater	<input checked="" type="checkbox"/> Surface Water	<input type="checkbox"/> Wastewater
<input type="checkbox"/> Raw	<input type="checkbox"/> Water Treatment Plant (WTP)	<input type="checkbox"/> Distribution System	<input type="checkbox"/> Point of Use (POU)
<input checked="" type="checkbox"/> Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted			
<input type="checkbox"/> Air Filters	Date/Time	<input type="checkbox"/> Seawater	<input type="checkbox"/> Sludge (Semi-solid Samples)
Finishing: _____	_____	<input checked="" type="checkbox"/> Milk	<input type="checkbox"/> Soil/Sediment
Starting: _____	_____	<input type="checkbox"/> Wipes	<input type="checkbox"/> Biota (Type): _____
Net (M <sup>3</sup> ) _____	_____	<input type="checkbox"/> Radon Canister	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Air Charcoal Cartridge			

**COMMENTS:** (Cautions, etc.): \_\_\_\_\_

Field Treatment: Preservatives added: **Formaldehyde**    Iced/Frozen: \_\_\_\_\_    Other: **DAIRY**

Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_

Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

<input type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium ( <sup>3</sup> H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

**CHAIN OF CUSTODY**

1. Date: <b>6/3/13</b>	Name (Print): <b>TOM HOOK</b>	Signature: _____	Date: <b>6/3/13</b>
Time Custody Received: <b>0700</b>	Organization: <b>PG&amp;E</b>	Signature: _____	Time Custody Released: <b>1700</b>
2. Date: _____	Name (Print): _____	Signature: _____	Date: _____
Time Custody Received: _____	Organization: _____	Signature: _____	Time Custody Released: _____
3. Date: <b>6-5-13</b>	Name (Print): <b>UA</b>	Signature: _____	Date: _____
Time Custody Received: <b>11:00</b>	Organization: <b>DWR/LB</b>	Signature: <b>Walter A. Ole.</b>	Time Custody Released: _____

**LABORATORY REMARKS (Leave Blank)**

**A. Condition at Time of Receipt:** **50.01 UR/HR**

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

**B. Preservatives/Carriers:**

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
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Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804

Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 13-0348

Investigator: Rick Treinen PO Box 56 Avila Beach CA 93424 Phone Number: 805-545-6481	RHB	Requestor: Roger Lupo CDPH - RHB, 1500 Capitol Av., MS 7610 Sacramento CA 95814-5006 Phone Number: 916-440-7955	RHB
Site/Project Name: Diablo Canoyon NPP / Milk / May 2013		Samples Received by Lab: 5/7/2013	
System No:	Billing Agency: RHB		

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0348-01	Sample ID: R 96069 Sample Type: Milk	Time Collected: 5/6/2013 07:50	Sampling Point: Cal Poly Dairy Farms	
I-131	EPA 901.1	-0.111 +/- 0.579	1.53	pCi/L
K-40	EPA 901.1	1320 +/- 28.9	27.3	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

**REQUEST FOR SAMPLE ANALYSIS (Radiochemical)**

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received <b>5-7-13</b>	Lab No. (Leave Blank) <b>13-0348</b>
	Date & Time Sampled <b>5/6/13 0750</b>	Serial Number <b>R 96069</b>

<b>Collector Information</b> Name: <i>Rich Trainan</i> Dept./Branch: <i>PO Box 56</i> Address: <i>Avila Beach, CA 93424</i> Telephone No.: <i>805-545-6481</i>	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:
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<b>Sample Information</b> System Name / Facility: <i>CAL POLY DAIRY</i> Sampling Point (s): <i>SF2</i> System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE (Check all applicable boxes)**

Drinking Water     Groundwater     Surface Water     Wastewater  
 Raw     Water Treatment Plant (WTP)     Distribution System     Point of Use (POU)

Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted

Air Filters    Date/Time \_\_\_\_\_     Seawater     Sludge (Semi-solid Samples)  
 Finishing: \_\_\_\_\_     Milk     Soil/Sediment  
 Starting: \_\_\_\_\_     Wipes     Biota (Type): \_\_\_\_\_  
 Net (M<sup>3</sup>): \_\_\_\_\_     Radon Canister     Other: \_\_\_\_\_

Air Charcoal Cartridge

**COMMENTS: (Cautions, etc.):** \_\_\_\_\_

Field Treatment: Preservatives added: *Formaldehyde*    Iced/Frozen: \_\_\_\_\_    Other: \_\_\_\_\_  
 Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_  
 Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

Gross Alpha     Gross Beta     Gamma Scan  
 Total Uranium     Total Beta (LSC)     NORM (Gamma)  
 Total Radium     Tritium (<sup>3</sup>H)     Isotopic Americium / Curium  
 Radium-226     Carbon-14     Isotopic Plutonium  
 Radium-228     Iodine-131     Isotopic Thorium  
 Radon-222     Strontium-89, 90     Isotopic Uranium  
 Other (Specify): \_\_\_\_\_     Nickel-63     Iron-55

**CHAIN OF CUSTODY**

1.	Date <i>5/6/13</i>	Name (Print) <i>Rich Trainan</i>	Organization <i>PG&amp;E</i>	Signature <i>[Signature]</i>	Date <i>5/6/13</i>	Time Custody Released <i>1700</i>
	Time Custody Received <i>0750</i>					
2.	Date	Name (Print)	Organization	Signature	Date	Time Custody Released
	Time Custody Received					
3.	Date <i>5-7-13</i>	Name (Print) <i>JA</i>	Organization <i>DWR/LB</i>	Signature <i>[Signature]</i>	Date	Time Custody Released
	Time Custody Received <i>11:30</i>					

**LABORATORY REMARKS (Leave Blank)** *≤ 0.01 MR/HR*

**A. Condition at Time of Receipt:**

Acceptable     Broken Container     Leaked in Transit     Improper Container  
 Holding Time Exceeded     Sample Not Cooled     Insufficient Sample

**B. Preservatives/Carriers:**

Added While Sampling     Added in Laboratory     Not Added     Not Applicable



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804

Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 13-0349

Investigator: Chris Christensen	RHB	Requestor: Roger Lupo	RHB
	CA	CDPH - RHB, 1500 Capitol Av., MS 7610	
Phone Number: 707-299-8761		Sacramento CA 95814-5006	Phone Number: 916-440-7955
Site/Project Name: Humboldt Creamery / Milk / 2nd Qtr 2013			
System No:	Billing Agency:	Samples Received by Lab: 5/7/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0349-01	Sample ID: R 96066 Sample Type: Milk	Time Collected: 5/6/2013 07:15	Sampling Point: Humboldt Creamery	
K-40	EPA 901.1	1270 +/- 34.2	57.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received <b>5-7-13</b>	Lab No. (Leave Blank) <b>13-0349</b>
	Date & Time Sampled <b>5-6-13 0715</b>	Serial Number <b>R 96066</b>
<b>Collector Information</b> Name: <b>Chris Christensen</b> Dept./Branch: Address: <b>231 Annaly Dr Fortuna CA 95540</b> Telephone No.:	<b>Reporting Information</b> Name: <b>Milk + Dairy Food Safety Branch</b> Dept./Branch: <b>1220 N Street</b> Address: <b>Sacramento CA 95814</b> Telephone No.:	
<b>Sample Information</b> System Name / Facility: <b>Humboldt Creamery</b> Sampling Point (s): <b>572 Highway 1 Fortuna CA 95540</b> System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____	

**TYPE OF SAMPLE** (Check all applicable boxes)

<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Surface Water	<input type="checkbox"/> Wastewater
<input type="checkbox"/> Raw	<input type="checkbox"/> Water Treatment Plant (WTP)	<input type="checkbox"/> Distribution System	<input type="checkbox"/> Point of Use (POU)
<input type="checkbox"/> Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted			
<input type="checkbox"/> Air Filters	Date/Time	<input type="checkbox"/> Seawater	<input type="checkbox"/> Sludge (Semi-solid Samples)
Finishing: _____	_____	<input checked="" type="checkbox"/> Milk	<input type="checkbox"/> Soil/Sediment
Starting: _____	_____	<input type="checkbox"/> Wipes	<input type="checkbox"/> Biota (Type): _____
Net (M <sup>3</sup> ) _____	_____	<input type="checkbox"/> Radon Canister	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Air Charcoal Cartridge			

**COMMENTS:** (Cautions, etc.): \_\_\_\_\_

Field Treatment: Preservatives added: \_\_\_\_\_ Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_

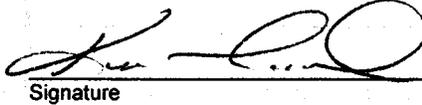
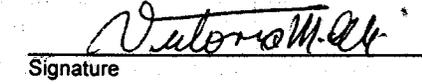
Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_

Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED** (For questions, please call 510-620-2911)

<input type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium ( <sup>3</sup> H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

**CHAIN OF CUSTODY**

1. <b>5-6-13</b> Date	<b>KEN LAND</b> Name (Print)		<b>5-6-13</b> Date
<b>0710</b> Time Custody Received	<b>Humboldt Creamery</b> Organization	Signature	<b>0715</b> Time Custody Released
2. <b>5-6-13</b> Date	<b>Chris Christensen</b> Name (Print)		<b>5-6-13</b> Date
<b>0715</b> Time Custody Received	<b>Milk + Dairy Food Safety</b> Organization	Signature	<b>0720</b> Time Custody Released
3. <b>5-7-13</b> Date	<b>JA</b> Name (Print)		_____ Date
<b>11:30</b> Time Custody Received	<b>DWR LB</b> Organization	Signature	_____ Time Custody Released

**LABORATORY REMARKS** (Leave Blank)

**≤ 0.01 uR/HR**

**A. Condition at Time of Receipt:**

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

**B. Preservatives/Carriers:**

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
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Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804  
Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0338**

Investigator: Gary Schultz	Cal. DHS	Requestor: Roger Lupo	RHB
415 Knollcrest Drive, Suite 110		CDPH - RHB, 1500 Capitol Av., MS 7610	
Redding Ca 96002		Sacramento CA 95814-5006	
Phone Number: 530-224-4868		Phone Number: 916-440-7955	
Site/Project Name: Rumiano Cheese / Milk / 2nd Qtr 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 5/3/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0338-01	Sample ID: R 96064 Sample Type: Milk	Time Collected: 5/1/2013 11:00	Sampling Point: Rumiano Cheese	
K-40	EPA 901.1	1290 +/- 35.1	63.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received <b>5-3-13</b>	Lab No. (Leave Blank) <b>13-0338</b>
	Date & Time Sampled <b>5-1-13 11:00</b>	Serial Number <b>R 96064</b>

<b>Collector Information</b> Name: <b>GARY SMITS</b> Dept./Branch: Address: <b>516 9B ST. CRESCENT CITY CA 95531</b> Telephone No.: <b>707 465-1535</b>	<b>Reporting Information</b> Name: Dept./Branch: Address: <b>Roger Lupo</b> Telephone No.:
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<b>Sample Information</b> System Name / Facility: <b>RUMIANO CHEESE Co</b> Sampling Point (s): <b>FARM PICK UP LOAD #1</b> System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE (Check all applicable boxes)**

Drinking Water     Groundwater     Surface Water     Wastewater  
 Raw     Water Treatment Plant (WTP)     Distribution System     Point of Use (POU)

Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted

<input type="checkbox"/> Air Filters    Date/Time Finishing: _____ Starting: _____ Net (M <sup>3</sup> ) _____	<input type="checkbox"/> Seawater <input checked="" type="checkbox"/> Milk <input type="checkbox"/> Wipes <input type="checkbox"/> Radon Canister	<input type="checkbox"/> Sludge (Semi-solid Samples) <input type="checkbox"/> Soil/Sediment <input type="checkbox"/> Biota (Type): _____ <input type="checkbox"/> Other: _____
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Air Charcoal Cartridge

**COMMENTS: (Cautions, etc.):** \_\_\_\_\_

Field Treatment: Preservatives added: \_\_\_\_\_ Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_  
 Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_  
 Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

<input checked="" type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium ( <sup>3</sup> H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

**CHAIN OF CUSTODY**

1. <b>5-1-13</b> Date <b>11:00 AM</b> Time Custody Received	<b>GARY SMITS</b> Name (Print) <b>RUMIANO CHEESE Co</b> Organization	 Signature	<b>5-2-13</b> Date <b>8:30 AM</b> Time Custody Released
2. _____ Date Time Custody Received	_____ Name (Print) Organization	_____ Signature	_____ Date Time Custody Released
3. <b>5-3-13</b> Date <b>11:00</b> Time Custody Received	<b>UA</b> Name (Print) <b>DWR/LB</b> Organization	 Signature	_____ Date Time Custody Released

**LABORATORY REMARKS (Leave Blank)**

**A. Condition at Time of Receipt:**

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

**B. Preservatives/Carriers:**

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
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**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0250**

Investigator: Rick Treinen PO Box 56 Avila Beach CA 93424 Phone Number: 805-545-6481	RHB	Requestor: Roger Lupo CDPH - RHB, 1500 Capitol Av., MS 7610 Sacramento CA 95814-5006 Phone Number: 916-440-7955	RHB
Site/Project Name: Diablo Canoyon NPP / Milk / April 2013		Samples Received by Lab: 4/9/2013	
System No:	Billing Agency: RHB		

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0250-01	Sample ID: R 96025 Sample Type: Milk	Time Collected: 4/8/2013 07:40	Sampling Point: Cal Poly Dairy Farms	
I-131	EPA 901.1	-0.493 +/- 0.574	1.50	pCi/L
K-40	EPA 901.1	1260 +/- 27.7	29.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received 4-9-13	Lab No. (Leave Blank) 13 0250
	Date & Time Sampled 4/8/13 0740	Serial Number R 96025

<b>Collector Information</b> Name: Rick Treinen Dept./Branch: PO Box 56 Address: Avila Beach, CA 93424 Telephone No.: 805-545-6481	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:
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<b>Sample Information</b> System Name / Facility: CALPOLY DAIRY Sampling Point (s): 5F2 System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE** (Check all applicable boxes)

Drinking Water     Groundwater     Surface Water     Wastewater  
 Raw     Water Treatment Plant (WTP)     Distribution System     Point of Use (POU)  
 Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted

Air Filters    Date/Time \_\_\_\_\_     Seawater     Sludge (Semi-solid Samples)  
 Finishing: \_\_\_\_\_     Milk     Soil/Sediment  
 Starting: \_\_\_\_\_     Wipes     Biota (Type): \_\_\_\_\_  
 Net (M<sup>3</sup>) \_\_\_\_\_     Radon Canister     Other: \_\_\_\_\_  
 Air Charcoal Cartridge

**COMMENTS:** (Cautions, etc.):

Field Treatment: Preservatives added: Formaldehyde    Iced/Frozen: \_\_\_\_\_    Other: \_\_\_\_\_  
 Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_  
 Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED** (For questions, please call 510-620-2911)

Gross Alpha     Gross Beta     Gamma Scan  
 Total Uranium     Total Beta (LSC)     NORM (Gamma)  
 Total Radium     Tritium (<sup>3</sup>H)     Isotopic Americium / Curium  
 Radium-226     Carbon-14     Isotopic Plutonium  
 Radium-228     Iodine-131     Isotopic Thorium  
 Radon-222     Strontium-89, 90     Isotopic Uranium  
 Other (Specify): L     Nickel-63     Iron-55

**CHAIN OF CUSTODY**

1.	Date: 4/8/13	Name (Print): Rick Treinen	Signature: [Signature]	Date: 4/8/13
	Time Custody Received: 0740	Organization: PG&E		Time Custody Released: 1700
2.	Date: 3/1	Name (Print):	Signature:	Date:
	Time Custody Received: 4-9-13	Organization: UA	Signature:	Time Custody Released:
3.	Date: 9:20	Name (Print): DWRLB	Signature: [Signature]	Date:
	Time Custody Received:	Organization:	Signature:	Time Custody Released:

**LABORATORY REMARKS** (Leave Blank)

**A. Condition at Time of Receipt:**  
 Acceptable     Broken Container     Leaked in Transit     Improper Container  
 Holding Time Exceeded     Sample Not Cooled     Insufficient Sample

**B. Preservatives/Carriers:**  
 Added While Sampling     Added in Laboratory     Not Added     Not Applicable



**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0172**

Investigator: Tom Hook	RHB	Requestor: Roger Lupo	RHB
P O Box 56		CDPH - RHB, 1500 Capitol Av., MS 7610	
Avila Beach	CA 93424	Sacramento	CA 95814-5006
Phone Number: 805-545-4409		Phone Number: 916-440-7955	
Site/Project Name: Diablo Canoyon NPP / Milk / March 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 3/6/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0172-01	Sample ID: R 86922 Sample Type: Milk	Time Collected: 3/5/2013 07:20	Sampling Point: Cal Poly Dairy Farms	
I-131	EPA 901.1	-0.157 +/- 0.623	1.64	pCi/L
K-40	EPA 901.1	1260 +/- 27.7	27.8	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

Sanitation and Radiation Laboratories Branch
850 Marina Bay Parkway, G164
Richmond, CA 94804
510-620-2911

Date Received: 3-6-13
Lab No. (Leave Blank): 13-0177
Date & Time Sampled: 3/5/13-0720
Serial Number: R 86922

Collector Information
Name: TOM HOOK
Dept./Branch: P.O. BOX 56
Address: AVILA BEACH CA 93424
Telephone No.: (305) 545-4409

Reporting Information
Name:
Dept./Branch:
Address:
Telephone No.:

Sample Information
System Name / Facility: CAL POLY DAMP
Sampling Point (s): 5F2
System No.:

Billing Agency
DWFOB ( )
DWTPE
EMB
RHB
FDB
Other (Specify)

TYPE OF SAMPLE (Check all applicable boxes)
Drinking Water
Raw
Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted

Air Filters
Seawater
Milk
Wipes
Radon Canister
Sludge (Semi-solid Samples)
Soil/Sediment
Biota (Type):
Other:

COMMENTS: (Cautions, etc.):
Field Treatment: Preservatives added: FORMALDEHYDE
Field Measurement: mR/hr
Rush/Priority (should be prearranged and have supervisory approval)

ANALYSIS REQUESTED (For questions, please call 510-620-2911)
Gross Alpha
Total Uranium
Total Radium
Radium-226
Radium-228
Radon-222
Other (Specify):
Gross Beta
Total Beta (LSC)
Tritium (3H)
Carbon-14
Iodine-131
Strontium-89, 90
Nickel-63
Gamma Scan
NORM (Gamma)
Isotopic Americium / Curium
Isotopic Plutonium
Isotopic Thorium
Isotopic Uranium
Iron-55

CHAIN OF CUSTODY
1. Date: 3/5/13, Time Custody Received: 10720, Name (Print): TOM HOOK, Organization: PG-A, Signature: [Signature], Date: 3/5/13, Time Custody Released: 1700
2. Date: , Time Custody Received: , Name (Print): , Organization: , Signature: , Date: , Time Custody Released:
3. Date: 3-6-13, Time Custody Received: 2:30, Name (Print): VIA, Organization: DURLB, Signature: [Signature], Date: , Time Custody Released:

LABORATORY REMARKS (Leave Blank)
A. Condition at Time of Receipt:
B. Preservatives/Carriers:



**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0113**

Investigator: Chris Christensen	RHB	Requestor: Roger Lupo	RHB
	CA	CDPH - RHB, 1500 Capitol Av., MS 7610	
Phone Number: 707-299-8761		Sacramento CA 95814-5006	Phone Number: 916-440-7955
Site/Project Name: Humboldt Creamery / Milk / 1st Qtr 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 2/12/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0113-01	Sample ID: R 86886 Sample Type: Milk	Time Collected: 2/11/2013 07:15	Sampling Point: Humboldt Creamery	
K-40	EPA 901.1	1310 +/- 31.3	34.6	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

Sanitation and Radiation Laboratories Branch
850 Marina Bay Parkway, G164
Richmond, CA 94804
510-620-2911

Date Received: 2-12-13
Lab No. (Leave Blank): 13-0113
Date & Time Sampled: 2-11-13 0715
Serial Number: R 86886

Collector Information
Name: Chris Christensen
Dept./Branch:
Address: 231 Annaly Dr
Fortuna CA 95540
Telephone No.:

Reporting Information
Name: Milk & Dairy Food Safety Branch
Dept./Branch: 1220 N Street
Address: Sacramento CA 95814
Telephone No.:

Sample Information
System Name / Facility: Humboldt Creamery
Sampling Point (s): 572 Highway 1
System No.: Fortuna CA 95540

Billing Agency
DWFOB ( )
DWTPB
EMB
RHB
FDB
Other (Specify)

TYPE OF SAMPLE (Check all applicable boxes)
Drinking Water
Raw
Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted
Groundwater
Water Treatment Plant (WTP)
Surface Water
Distribution System
Wastewater
Point of Use (POU)

Air Filters
Finishing:
Starting:
Net (M^3)
Air Charcoal Cartridge
Seawater
Milk
Wipes
Radon Canister
Sludge (Semi-solid Samples)
Soil/Sediment
Biota (Type):
Other:

COMMENTS: (Cautions, etc.):
Field Treatment: Preservatives added:
Field Measurement: mR/hr
Rush/Priority (should be prearranged and have supervisory approval)

ANALYSIS REQUESTED (For questions, please call 510-620-2911)
Gross Alpha
Total Uranium
Total Radium
Radium-226
Radium-228
Radon-222
Other (Specify):
Gross Beta
Total Beta (LSC)
Tritium (3H)
Carbon-14
Iodine-131
Strontium-89, 90
Nickel-63
Gamma Scan
NORM (Gamma)
Isotopic Americium / Curium
Isotopic Plutonium
Isotopic Thorium
Isotopic Uranium
Iron-55

CHAIN OF CUSTODY
1. Karl Cronall
2. Chris Christensen
3. VA Victoria
Date: 2-11-13 0710
Time Custody Received:
Organization: Humboldt Creamery
Signature:
Date: 2-11-13 0715
Time Custody Released:
Organization:
Signature:
Date: 2-11-13 0720
Time Custody Released:
Organization:
Signature:

LABORATORY REMARKS (Leave Blank)
A. Condition at Time of Receipt:
B. Preservatives/Carriers:
< 0.01 MB/HR



**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0106**

Investigator: Gary Smits	RHB	Requestor: Roger Lupo	RHB
Lab 511, 9th St		CDPH - RHB, 1500 Capitol Av., MS 7610	
Crescent City CA 95531		Sacramento CA 95814-5006	
Phone Number:		Phone Number: 916-440-7955	
Site/Project Name: Rumiano Cheese / Milk / 1st Qtr 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 2/8/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0106-01	Sample ID: R 96109 Sample Type: Milk	Time Collected: 2/7/2013 13:49	Sampling Point: Rumiano Cheese	
K-40	EPA 901.1	1200 +/- 29.8	41.8	pCi/L

- Precision criteria for these method were determined to be acceptable.
- CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received 2-6-13	Lab No. (Leave Blank) 130106
	Date & Time Sampled 2-7-13 1:49	Serial Number R 96109

<b>Collector Information</b> Name: GARY SMITS Dept./Branch: Address: RUMIANO CHEESE CO 519TH ST CRESCENT CITY C.A. Telephone No.: 707 465-1335 95531	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:
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<b>Sample Information</b> System Name / Facility: RUMIANO CHEESE CO Sampling Point (s): FARM PICK UP System No.: LOAD #1	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
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**TYPE OF SAMPLE** (Check all applicable boxes)

<input type="checkbox"/> Drinking Water	<input checked="" type="checkbox"/> Groundwater	<input type="checkbox"/> Surface Water	<input type="checkbox"/> Wastewater
<input checked="" type="checkbox"/> Raw	<input type="checkbox"/> Water Treatment Plant (WTP)	<input type="checkbox"/> Distribution System	<input type="checkbox"/> Point of Use (POU)
<input type="checkbox"/> Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted			
<input type="checkbox"/> Air Filters	Date/Time	<input type="checkbox"/> Seawater	<input type="checkbox"/> Sludge (Semi-solid Samples)
Finishing: _____	_____	<input checked="" type="checkbox"/> Milk	<input type="checkbox"/> Soil/Sediment
Starting: _____	_____	<input type="checkbox"/> Wipes	<input type="checkbox"/> Biota (Type): _____
Net (M <sup>3</sup> ): _____	_____	<input type="checkbox"/> Radon Canister	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Air Charcoal Cartridge			

**COMMENTS:** (Cautions, etc.): \_\_\_\_\_

Field Treatment: Preservatives added: \_\_\_\_\_ Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_

Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_

Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED** (For questions, please call 510-620-2911)

<input type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium (³H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

**CHAIN OF CUSTODY**

1.	Date 2-6-13	Name (Print) GARY SMITS	Signature 	Date 2-7-13
	Time Custody Received 1:49 PM	Organization RUMIANO CHEESE		Time Custody Released 9:00 AM
2.	Date 2-8-13	Name (Print) VA	Signature 	Date
	Time Custody Received 1:40	Organization DWRLB		Time Custody Released
3.	Date	Name (Print)	Signature	Date
	Time Custody Received	Organization		Time Custody Released

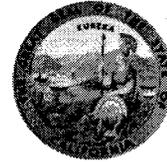
**LABORATORY REMARKS** (Leave Blank)    ≤ 0.01 MR/HR

**A. Condition at Time of Receipt:**

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

**B. Preservatives/Carriers:**

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
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**Drinking Water and Radiation Laboratory Branch**

850 Marina Bay Parkway, Richmond, CA 94804  
 Phone: (510) 620-2911 Fax: (510) 620-2940

**FINAL Analysis Results Report for Task ID. 13-0107**

Investigator: Rick Treinen	RHB	Requestor: Roger Lupo	RHB
PO Box 56		CDPH - RHB, 1500 Capitol Av., MS 7610	
Avila Beach	CA 93424	Sacramento	CA 95814-5006
Phone Number: 805-545-6481		Phone Number: 916-440-7955	
Site/Project Name: Diablo Canoyon NPP / Milk / February 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 1/8/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0107-01	Sample ID: R 92344 Sample Type: Milk	Time Collected: 2/7/2013 12:40	Sampling Point: Cal Poly Dairy Farms	
I-131		-0.232 +/- 0.517	1.42	pCi/L
K-40	EPA 901.1	1230 +/- 27.0	27.5	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

**REQUEST FOR SAMPLE ANALYSIS (Radiochemical)**

<b>Sanitation and Radiation Laboratories Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received <b>2-8-13</b>	Lab No. (Leave Blank) <b>13-0107</b>
	Date & Time Sampled <b>2/7/13 1240</b>	Serial Number <b>R 92344</b>
<b>Collector Information</b> Name: <b>Rick Trainen</b> Dept./Branch: <b>PO Box 56</b> Address: <b>Avila Beach, CA 93424</b> Telephone No.: <b>905-545-6481</b>	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:	
<b>Sample Information</b> System Name / Facility: <b>CAL POLY DAIRY</b> Sampling Point (s): System No.: <b>5F2</b>	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____	

**TYPE OF SAMPLE (Check all applicable boxes)**

- |                                                                                                                                                               |                                                      |                                                    |                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Drinking Water                                                                                                                       | <input type="checkbox"/> Groundwater                 | <input type="checkbox"/> Surface Water             | <input type="checkbox"/> Wastewater                  |
| <input type="checkbox"/> Raw                                                                                                                                  | <input type="checkbox"/> Water Treatment Plant (WTP) | <input type="checkbox"/> Distribution System       | <input type="checkbox"/> Point of Use (POU)          |
| <input type="checkbox"/> Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted |                                                      |                                                    |                                                      |
| <input type="checkbox"/> Air Filters                                                                                                                          | Date/Time                                            | <input type="checkbox"/> Seawater                  | <input type="checkbox"/> Sludge (Semi-solid Samples) |
| Finishing: _____                                                                                                                                              | _____                                                | <input checked="" type="checkbox"/> Milk           | <input type="checkbox"/> Soil/Sediment               |
| Starting: _____                                                                                                                                               | _____                                                | <input type="checkbox"/> Wipes                     | <input type="checkbox"/> Biota (Type): _____         |
| Net (M <sup>3</sup> ) _____                                                                                                                                   |                                                      | <input checked="" type="checkbox"/> Radon Canister | <input type="checkbox"/> Other: _____                |
| <input type="checkbox"/> Air Charcoal Cartridge                                                                                                               |                                                      |                                                    |                                                      |

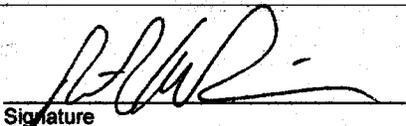
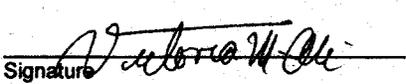
**COMMENTS: (Cautions, etc.):**

- Field Treatment: Preservatives added: **Formaldehyde** Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_
- Field Measurement: \_\_\_\_\_ mR/hr  Radionuclide(s), if known: \_\_\_\_\_
- Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

- |                                                 |                                                    |                                                      |
|-------------------------------------------------|----------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Gross Alpha            | <input type="checkbox"/> Gross Beta                | <input type="checkbox"/> Gamma Scan                  |
| <input type="checkbox"/> Total Uranium          | <input type="checkbox"/> Total Beta (LSC)          | <input type="checkbox"/> NORM (Gamma)                |
| <input type="checkbox"/> Total Radium           | <input type="checkbox"/> Tritium ( <sup>3</sup> H) | <input type="checkbox"/> Isotopic Americium / Curium |
| <input type="checkbox"/> Radium-226             | <input type="checkbox"/> Carbon-14                 | <input type="checkbox"/> Isotopic Plutonium          |
| <input type="checkbox"/> Radium-228             | <input type="checkbox"/> Iodine-131                | <input type="checkbox"/> Isotopic Thorium            |
| <input type="checkbox"/> Radon-222              | <input type="checkbox"/> Strontium-89, 90          | <input type="checkbox"/> Isotopic Uranium            |
| <input type="checkbox"/> Other (Specify): _____ | <input type="checkbox"/> Nickel-63                 | <input type="checkbox"/> Iron-55                     |

**CHAIN OF CUSTODY**

1.	Date: <b>2/7/13</b>	Name (Print): <b>Rick Trainen</b>	Signature: 	Date: <b>2/7/13</b>
	Time Custody Received: <b>1240</b>	Organization: <b>PG&amp;E</b>		Time Custody Released: <b>1700</b>
2.	Date: _____	Name (Print): _____	Signature: _____	Date: _____
	Time Custody Received: _____	Organization: _____		Time Custody Released: _____
3.	Date: <b>2-8-13</b>	Name (Print): <b>VA</b>	Signature: 	Date: _____
	Time Custody Received: <b>1:40</b>	Organization: <b>DWR&amp;B</b>		Time Custody Released: _____

**LABORATORY REMARKS (Leave Blank)**

- A. Condition at Time of Receipt:** **≤ 0.01 MR/HR**
- |                                                |                                            |                                              |                                             |
|------------------------------------------------|--------------------------------------------|----------------------------------------------|---------------------------------------------|
| <input type="checkbox"/> Acceptable            | <input type="checkbox"/> Broken Container  | <input type="checkbox"/> Leaked in Transit   | <input type="checkbox"/> Improper Container |
| <input type="checkbox"/> Holding Time Exceeded | <input type="checkbox"/> Sample Not Cooled | <input type="checkbox"/> Insufficient Sample |                                             |
- B. Preservatives/Carriers:**
- |                                               |                                              |                                    |                                         |
|-----------------------------------------------|----------------------------------------------|------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Added While Sampling | <input type="checkbox"/> Added in Laboratory | <input type="checkbox"/> Not Added | <input type="checkbox"/> Not Applicable |
|-----------------------------------------------|----------------------------------------------|------------------------------------|-----------------------------------------|



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804

Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 13-0050

Investigator: Tom Hook	RHB	Requestor: Roger Lupo	RHB
P O Box 56		CDPH - RHB, 1500 Capitol Av., MS 7610	
Avila Beach	CA 93424	Sacramento	CA 95814-5006
Phone Number: 805-545-4409		Phone Number: 916-440-7955	
Site/Project Name: Diablo Canoyon NPP / Milk / January 2013			
System No:	Billing Agency: RHB	Samples Received by Lab: 1/23/2013	

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 13-0050-01	Sample ID: R 96126 Sample Type: Milk	Time Collected: 1/22/2013 07:35	Sampling Point: Cal Poly Dairy Farms	
I-131	EPA 901.1	0.337 +/- 0.514	1.43	pCi/L
K-40	EPA 901.1	1210 +/- 26.7	27.0	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

**REQUEST FOR SAMPLE ANALYSIS (Radiochemical)**

<b>Drinking Water and Radiation Laboratory Branch</b> 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911	Date Received <b>1-23-13</b>	Lab No. (Leave Blank) <b>13-0050</b>
	Date & Time Sampled <b>1/22/13 - 0735</b>	Serial Number <b>R 96126</b>

<b>Collector Information</b> Name: <b>Tom Hook</b> Dept./Branch: <b>P.O. Box 56</b> Address: <b>AVILA BEACH CA 93424</b> Telephone No.: <b>(805) 545-4409</b>	<b>Reporting Information</b> Name: Dept./Branch: Address: Telephone No.:
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------

<b>Sample Information</b> System Name / Facility: <b>CAL POLY DAIRY</b> Sampling Point (s): <b>SF2</b> System No.:	<b>Billing Agency</b> <input type="checkbox"/> DWFOB ( ) <input type="checkbox"/> RHB <input type="checkbox"/> RWQCB ( ) <input type="checkbox"/> DTSC <input type="checkbox"/> DWTPB <input type="checkbox"/> FDB <input type="checkbox"/> DWR <input type="checkbox"/> CDFG <input type="checkbox"/> EMB <input type="checkbox"/> Other (Specify) _____
-----------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**TYPE OF SAMPLE (Check all applicable boxes)**

<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Surface Water	<input type="checkbox"/> Wastewater
<input type="checkbox"/> Raw	<input type="checkbox"/> Water Treatment Plant (WTP)	<input type="checkbox"/> Distribution System	<input type="checkbox"/> Point of Use (POU)

Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxzone / Fluoridated / Coagulated / pH Adjusted

<input type="checkbox"/> Air Filters	Date/Time	<input type="checkbox"/> Seawater	<input type="checkbox"/> Sludge (Semi-solid Samples)
Finishing: _____	_____	<input checked="" type="checkbox"/> Milk	<input type="checkbox"/> Soil/Sediment
Starting: _____	_____	<input type="checkbox"/> Wipes	<input type="checkbox"/> Biota (Type): _____
Net (M <sup>3</sup> ) _____		<input type="checkbox"/> Radon Canister	<input type="checkbox"/> Other: _____

Air Charcoal Cartridge

**COMMENTS: (Cautions, etc.):** \_\_\_\_\_

Field Treatment: Preservatives added: \_\_\_\_\_ Iced/Frozen: \_\_\_\_\_ Other: \_\_\_\_\_

Field Measurement: \_\_\_\_\_ mR/hr     Radionuclide(s), if known: \_\_\_\_\_

Rush/Priority (should be prearranged and have supervisory approval)

**ANALYSIS REQUESTED (For questions, please call 510-620-2911)**

<input type="checkbox"/> Gross Alpha	<input type="checkbox"/> Gross Beta	<input type="checkbox"/> Gamma Scan
<input type="checkbox"/> Total Uranium	<input type="checkbox"/> Total Beta (LSC)	<input type="checkbox"/> NORM (Gamma)
<input type="checkbox"/> Total Radium	<input type="checkbox"/> Tritium (³H)	<input type="checkbox"/> Isotopic Americium / Curium
<input type="checkbox"/> Radium-226	<input type="checkbox"/> Carbon-14	<input type="checkbox"/> Isotopic Plutonium
<input type="checkbox"/> Radium-228	<input type="checkbox"/> Iodine-131	<input type="checkbox"/> Isotopic Thorium
<input type="checkbox"/> Radon-222	<input type="checkbox"/> Strontium-89, 90	<input type="checkbox"/> Isotopic Uranium
<input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Nickel-63	<input type="checkbox"/> Iron-55

**CHAIN OF CUSTODY**

1. Date: <b>1/22/13</b>	Name (Print): <b>Tom Hook</b>	Signature: _____	Date: <b>1/22/13</b>
Time Custody Received: <b>0735</b>	Organization: <b>PG&amp;E</b>	Signature: _____	Time Custody Released: <b>1700</b>
2. Date: _____	Name (Print): _____	Signature: _____	Date: _____
Time Custody Received: _____	Organization: _____	Signature: _____	Time Custody Released: _____
3. Date: <b>1-23-13</b>	Name (Print): <b>UA</b>	Signature: _____	Date: _____
Time Custody Received: <b>10:45</b>	Organization: <b>DWR/LB</b>	Signature: _____	Time Custody Released: _____

**LABORATORY REMARKS (Leave Blank)**

**A. Condition at Time of Receipt:** **≤ 0.01 mR/hr**

<input type="checkbox"/> Acceptable	<input type="checkbox"/> Broken Container	<input type="checkbox"/> Leaked in Transit	<input type="checkbox"/> Improper Container
<input type="checkbox"/> Holding Time Exceeded	<input type="checkbox"/> Sample Not Cooled	<input type="checkbox"/> Insufficient Sample	

**B. Preservatives/Carriers:**

<input type="checkbox"/> Added While Sampling	<input type="checkbox"/> Added in Laboratory	<input type="checkbox"/> Not Added	<input type="checkbox"/> Not Applicable
-----------------------------------------------	----------------------------------------------	------------------------------------	-----------------------------------------