

BARON CONSULTING CO.

HARRY AGAHIGIAN, Ph.D., DIRECTOR

analytical services

P.O. Box 3337, MILFORD, CT 06460

April 26, 2013

Mr. Tom Thompson
U.S. Nuclear Regulatory Commission
Mail Control #579268
Region I DNMS
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713


RE: Leak Test results for active sealed sources
License No: 06-17669-01
Control No: 579807

Per the telephone conversation of 4/25/13, please find the last two leak tests for the two sealed sources that are currently in the GC's.

- 1) Isotope: Nickel 63
Source Serial Number: F2981
Activity 15 mCi
GC/ECD in the Hewlett Packard G1223A ECD
Passed on July 10, 2012 and January 13, 2013
- 2) Isotope: Nickel 63
Source Serial Number: 5182
Activity 15 mCi
GC/ECD in the Perkin Elmer N610-0063
Passed on July 10, 2012 and January 13, 2013

Please contact me if you have any questions or wish more information.

BALO/law


Barbara Obert
Laboratory Manager

REC'D IN LAT 4-26-13
via fax

NMSS/RGNI MATERIALS-002

This report is submitted with the understanding that it is not to be reproduced for advertising or other purposes over our signature without express written permission from us.
We do not accept any liability concerning the use of these results.

NOT RESPONSIBLE FOR SAMPLES LEFT OVER 30 DAYS AFTER RECEIPT OF REPORT.

Connecticut Public Health Laboratory No. 0440 EPA Number CT015

REC RG1 04 30 13 AM 07:22

SEALED SOURCE LEAK TEST CERTIFICATE

Baron Consulting Co., Inc.
273 Pepe's Farm Road
Milford, CT 06460

Attn: Ms. Barbara Obert
phone: 203\874-5678
code: 655

SOURCE INFORMATION

Isotope **Nickel 63**
Source Serial Number **F2981**
Activity **15 mCi**
Make & Model **Hewlett Packard G1223A ECD**
Device Number **GC / ECD**
Wiped by _____ Date of Wipe **01/04/2013**

RESULTS

	Bkg CPM	Gross CPM	Efficiency	removable activity for this source is
Alpha	0	0	0.62	< 0.0001 μCi
Beta-Gamma	30	36	0.32	< 0.0001 μCi

removable is < 0.005 μCi

PASS

The above source wipe has been assayed to determine source leakage. Regulations define a source as leaking when an appropriate wipe test has removed 0.005 uCi or more of activity.

Microcurie conversion is DPM / 2.2×10^6

all sources are simultaneously checked for alpha and beta-gamma activity

January 13, 2013
Date of Assay

3013.401
NSS assay No.

Greg Fox



SEALED SOURCE LEAK TEST CERTIFICATE

Baron Consulting Co., Inc.
273 Pepe's Farm Road
Milford, CT 06460

Attn: Ms. Barbara Obert
phone: 203\874-5678
code: 655

SOURCE INFORMATION

Isotope **Nickel 63**
Source Serial Number **F2981**
Activity **15 mCi**
Make & Model **Hewlett Packard G1223A ECD**
Device Number **GC / ECD**
Wiped by **R. DiCicco** Date of Wipe **07/03/2012**

RESULTS

	Bkg CPM	Gross CPM	Efficiency	removable activity for this source is
Alpha	0	0	0.62	< 0.0001 μCi
Beta-Gamma	30	48	0.32	< 0.0001 μCi

removable is < 0.005 μCi

PASS

The above source wipe has been assayed to determine source leakage. Regulations define a source as leaking when an appropriate wipe test has removed 0.005 μCi or more of activity.

Microcurie conversion is $\text{DPM} / 2.2 \times 10^6$

all sources are simultaneously checked for alpha and beta-gamma activity

July 10, 2012
Date of Assay

2192.201
NSS assay No.

Greg Fox

Greg Fox
Assayed by

SEALED SOURCE LEAK TEST CERTIFICATE

Baron Consulting Co., Inc.
273 Pepe's Farm Road
Milford, CT 06460

Attn: Ms. Barbara Obert
phone: 203\874-5678
code: 655

SOURCE INFORMATION

Isotope **Nickel 63**
Source Serial Number **5182**
Activity **15 mCi**
Make & Model **Perkin Elmer N610-0063**
Device Number **GC / ECD**
Wiped by _____ Date of Wipe **01/04/2013**

RESULTS

	Bkg CPM	Gross CPM	Efficiency	removable activity for this source is
Alpha	0	0	0.62	< 0.0001 μCi
Beta-Gamma	30	41	0.32	< 0.0001 μCi

removable is < 0.005 μCi

PASS

The above source wipe has been assayed to determine source leakage. Regulations define a source as leaking when an appropriate wipe test has removed 0.005 μCi or more of activity.

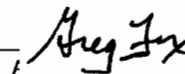
Microcurie conversion is $\text{DPM} / 2.2 \times 10^6$

all sources are simultaneously checked for alpha and beta-gamma activity

January 13, 2013
Date of Assay

3013.402
NSS assay No.

Greg Fox



SEALED SOURCE LEAK TEST CERTIFICATE

Baron Consulting Co., Inc.
273 Pepe's Farm Road
Milford, CT 06460

Attn: Ms. Barbara Obert
phone: 203\874-5678
code: 655

SOURCE INFORMATION

Isotope **Nickel 63**
Source Serial Number **5182**
Activity **15 mCi**
Make & Model **Perkin Elmer N610-0063**
Device Number **GC / ECD**
Wiped by **R. DiCicco** Date of Wipe **07/03/2012**

RESULTS

	Bkg CPM	Gross CPM	Efficiency	removable activity for this source is
Alpha	0	0	0.62	< 0.0001 μCi
Beta-Gamma	30	34	0.32	< 0.0001 μCi

removable is < 0.005 μCi

PASS

The above source wipe has been assayed to determine source leakage. Regulations define a source as leaking when an appropriate wipe test has removed 0.005 μCi or more of activity.

Microcurie conversion is $\text{DPM} / 2.2 \times 10^6$

all sources are simultaneously checked for alpha and beta-gamma activity

July 10, 2012
Date of Assay

2192.202
NSS assay No.

Greg Fox

Assayed by

