

MidWest Bio-Products, Inc.
618 Liberty St.
Covington, IN 47932


Deborah Piskura
Senior Health Physicist
US Nuclear Regulatory Commission, Region III
Division of Nuclear Materials Safety
2443 Warrenville Road, Suite 210
Lisle, IL 60532

July 29, 2017

Dear Ms. Piskura

Enclosed, please find a current environmental survey (wipe test) for the lab. I've included the results, and copies of the original output from the scintillation counter, including the pre-sampling normalization read-out. As you can see, I generally read the samples twice, once immediately after swiping, and a second, more accurate read, usually a few hours later. The extra time allows for dissipation of static electricity, which can be significant compared to the very low counts measured in the environmental surveys. I've also given you copies of results from a few past receiving surveys and environmental monitoring: from 08/2016, 07/2016, and 08/2015. These were apparently filed with the ^3H -TTP inventory. Please let me know if you need anything further in support of these records, or if you have any further questions. Sorry to have missed your visit!

Best Regards,



Heather Y. Miyagi, DVM PhD
midwestbioproducts@gmail.com
(217) 419-4280

RECEIVED AUG 01 2017

7/27/2017 for NRC inspx (1 min count protocol 2)

1	waterbath	27
2	hot bench	21
3	floor door	17
4	metal bench	18
5	dish sink	28
6	hand sink	34
7	hot sink	24
8	door knob	31
9	count. counter	33
10	bench	34
	BANK / CONTROL BLEND	34
	outside door	29

Protocol #: 2 Name: km 28-Jul-2017 10:15
 Region A: LL-UL= 0.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
 Region B: LL-UL= 2.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
 Region C: LL-UL= 0.0- 0.0 Lcr=1000 Bkg= 0.00 %2 Sigma=0.00
 Time = 1.00 QIP = SIS
 Data/Application Drive & Path = B:

S#	TIME	CPMA	SIS	FLAG
1	1.00	27.00	14.136	
2	1.00	21.20	7.643	
3	1.00	17.00	17.844	
4	1.00	18.00	15.872	
5	1.00	28.00	9.114	
6	1.00	34.00	12.793	
7	1.00	24.00	12.573	
8	1.00	31.00	10.571	
9	1.00	33.00	9.533	
10	1.00	34.00	15.956	
11	1.00	34.00	8.922	
12	1.00	29.00	13.299	

after Ntahc discharge

SYSTEM NORMALIZED

C14 IPA DATA PROCESSED - 28-Jul-2017 08:51
 C14 Eff (0-156 keV) = 95.66 %
 C14 CHI SQUARE IPA DATA PROCESSED - 28-Jul-2017 09:01
 C14 Chi Square = 16.61
 H3 IPA DATA PROCESSED - 28-Jul-2017 09:02
 H3 Eff (0-18.6 keV) = 63.16 %
 H3 CHI SQUARE IPA DATA PROCESSED - 28-Jul-2017 09:13
 H3 Chi Square = 33.27
 BKG IPA DATA PROCESSED - 28-Jul-2017 10:13
 Bkg (0-18.6 keV) = 11.60 cpm
 Bkg (0-156 keV) = 16.20 cpm
 C14 E^2/B (1-156 keV) = 689.89
 H3 E^2/B (1-18.6 keV) = 341.06

Protocol #: 2

Name: km

27-Jul-2017 18:58

wipe test

Region A: LL-UL= 0.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00

Region B: LL-UL= 2.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00

Region C: LL-UL= 0.0- 0.0 Lcr=1000 Bkg= 0.00 %2 Sigma=0.00

Time = 1.00 QIP = SIS

Data/Application Drive & Path = B:

*had
- immediately
after swipe*

S#	TIME	CPMA	SIS FLAG
1	1.00	88.20	8.510
2	1.00	103.00	5.703
3	1.00	110.00	7.713
4	1.00	74.00	7.401
5	1.00	133.20	7.410
6	1.00	116.20	9.076
7	1.00	143.00	6.745
8	1.00	105.40	6.436
9	1.00	146.00	8.794
10	1.00	129.00	6.859
11	1.00	177.00	7.361
12	1.00	92.00	9.438

DELIVERY 87262003	PAGE 1/1
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A

87262003

PerkinElmer Health Sciences, Inc.
549 Albany Street
BOSTON MA 02118
USA
www.perkinelmer.com

DELIVER TO:	MIDWEST BIOPRODUCTS INC 618 LIBERTY ST COVINGTON IN 47932 USA
XPODIR	
NO LABEL	TI 0.0
ISOTOPES: H-3 0.037000GBq / 1.000000mCi	
ATTN: MIYAGI, MARY	
ORDER NUMBER	CUSTOMER PO NUMBER
3442848	160802P1
SHIP TERMS	F02 - FOB Factory - Prepay & Add
SHIPPING POINT	US36 - Boston Shipping

SOLD TO/BILL TO:
MIDWEST BIOPRODUCTS INC
618 LIBERTY ST
COVINGTON IN 47932
USA

IRS NO. 04-3361624

CUSTOMER NUMBER		ENTRY DATE		SCHEDULED DATE		SHIPPING DATE		INSPECTOR	PKG
100543836		08/02/2016		08/04/2016		08/04/2016			DI
LINE NO.	QUANTITY ORDERED	QUANTITY SHIPPED	PART NUMBER S/LOC. BIN TXT	DESCRIPTION UN NO. PSN. CLASS. PKG. TARIFF		PACKAGE SIZE	BATCH/SERIAL NUMBER		
10	1.000	1.000	NET221A001MC SBU1	2'-Deoxythymidine-5'-triphosphate, tetra		001MC 37 MBq	2185425 /1		

8/6 *received ~ into water.*

receiving wipe test

<i>123</i>	<i>background</i>	<i>133</i>
<i>108</i>	<i>box outside</i>	<i>49</i>
<i>126</i>	<i>box inside</i>	<i>72</i>
<i>106</i>	<i>styrofoam inside dry ice</i>	<i>76</i>
<i>74</i>	<i>blue dewar outside</i>	<i>69</i>

ANY QUESTIONS REGARDING THIS ORDER CALL: (800) 762-4000

WIPE TEST

RECEIVING; ENVIRONMENT CHECK. / PBE RT PREP.

7/14/2016

	cpm	cpm	Read 7/14/2016 d/t
1 background	45	144	scint counter
2 box external	56	143	malfunction
3 inside box/styrofoam outside	47	164	
4 inside styrofoam	57	112	read of: post
5 outside blue down	58	115	repair
6 hot bench	38.2	11	
7 waterbath	42	101	
8 hot sink	36	94	
9 benchtop	40	100	
10 coldrm doors	48	82	

Wipe Tests

8-4-2015

8/5 read	8/4	receiving for ^{3/4} TTP
82	134	background
74	143	external box
77	120	styro-foam inside
85	95	outside blue dewar
65	102	inside box
133	229	7/21 wipe (o/s blue dewar)

set up. nest (de-static)
 2pm → 12mm
 will read in 10h.
 read @ 12³⁰ pm 8/5

read 8/5

120	background
90	ext box
68	styro inside
70	outside blue dewar
158	7/21 wipe (o/s blue dewar)
70	inside box

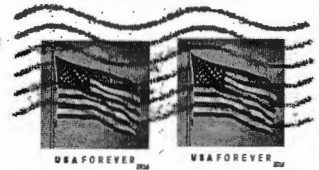
morning over 100 counts
 over background.
 incoming wipe okay

MWB
Medwest Bio-Products, Inc.

618 Liberty Street
Covington, Indiana USA 47932

INDIANAPOLIS IN 460

29 JUL 2017 PM 5 L



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