

MS-16 J-6

NRC FORM 314
(7-1998)
10 CFR 30.36(c)(1)(iv)
10 CFR 40.42(c)(1)(iv)
10 CFR 70.38(c)(1)(iv)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0028

EXPIRES: 07/31/2001

Estimated burden per response to comply with this mandatory information collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility has been cleared of radioactive material before the facility is released for unrestricted use. Forward comments regarding burden estimate to the Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0028), Office of Management and Budget, Washington, DC 20503. If an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

CERTIFICATE OF DISPOSITION OF MATERIALS

INSTRUCTIONS: ALL ITEMS MUST BE COMPLETED - PRINT OR TYPE
SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSE

LICENSEE NAME AND ADDRESS
*PONTIFICAL CATHOLIC UNIVERSITY OF PUERTO RICO
College of Sciences
Scientific Research Center
2250 Ave. Las Americas Suite 565
Ponce, PR 00717-0997*

LICENSE NUMBER
52-13508-03
LICENSE EXPIRATION DATE
August 31, 2006

A. MATERIALS DATA (Check one and complete as necessary)

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT:
(Check and/or complete the appropriate item(s) below.)

1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE. *03019921*

OR
 2. ALL ACTIVITIES AUTHORIZED BY THE LICENSE HAVE CEASED AND ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER. (If additional space is needed, use the reverse side or provide attachments.)

Describe specific material transfer actions and, if there were radioactive wastes generated in terminating this license, the disposal actions including the disposition of low-level radioactive waste, mixed waste, Greater-than-Class-C waste, and sealed sources, if applicable.

H³, C¹⁴

For transfers, specify the date of the transfer, the name of the licensed recipient, and the recipient's NRC license number or Agreement State name and license number.

See attachments

If materials were disposed of directly by the licensee rather than transferred to another licensee, licensed disposal site or waste contractor, describe the specific disposal procedures (e.g., decay in storage).

RECEIVED REGION 1
2006 JUL 17 PM 1:19

B. OTHER DATA

1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE TERMINATE IT.
 2. A RADIATION SURVEY WAS CONDUCTED BY THE LICENSEE TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE.

NO (Attach explanation)
 YES, THE RESULTS (Check one)
 ARE ATTACHED, or
 WERE FORWARDED TO NRC ON (Date)

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM
NAME: *Carmen I. Asencio*
TELEPHONE NUMBER (Include Area Code): *(787) 841-2000 ext. 2952*

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO
*Carmen I. Asencio
Pontifical Catholic University
2250 Ave. Las Americas Suite 654 Ponce, PR 00717-0997*

CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE: *Carmen I. Asencio, RSO*
SIGNATURE: *[Signature]*
DATE: *6/28/06*

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTIONS.

Day & Date 4/13/04
 Manifest No. N/A ()
 Manifest No. ()
 Manifest No. ()
 Manifest No. ()
 Manifest No. ()
 Customer Pompey / Haverhill Police
 Site Address _____



CLEANPACK DIVISION

Job No. 08752957
 P.O. No. 42544
 Billing Type QUOTE / CONTRACT / STD
 QUOTE # _____
 On-site Contact Ailda Santiago
 Billing Address _____
 Attn: _____

LABOR	ID #	Per Diem	Straight Time	Over Time	Double Time	JOB DESCRIPTION
						Packaging of radioactive material for sampling at Ecology Services
						Greg Howett (Signature)

MATERIALS USED			MATERIALS D/O		
55 Gal. Steel	55 Gal. Fiber	Verm	55 Gal. Steel	Verm	
55 Gal. Poly	30 Gal. Fiber	Cu Yd Box	55 Gal. Poly	Cu Yd Box	
16 Gal. Poly	20 Gal. Fiber	Combo Box	16 Gal. Poly	Combo Box	
30 Gal. Poly	10 Gal. Fiber	85 Gal. Poly	30 Gal. Poly	85 Gal. Poly	
30 Gal. Steel	5 Gal. Fiber	85 Gal. Steel	30 Gal. Steel	85 Gal. Steel	
5 Gal. Poly			5 Gal. Poly		

QTY.	SIZE	DISPOSAL CODE / PROFILE #	WEIGHT	MANIFEST NO.
		"No Disposal"		
		1 x 05 gallon pail		

TRANSPORTATION / EQUIP. FLEET # FLEET # FLEET #

Box Truck/PU/Van/PV _____

Personal Vehicle _____

MOB/Demob Yes No

Bobcat/Forklift: Rental Yes No

NEW PROFILES	SAMPLE	NEW PROFILES	SAMPLE
	() Y () N		() Y () N
	() Y () N		() Y () N
	() Y () N		() Y () N
	() Y () N		() Y () N

WASTE LEFT ON SITE

QTY.	SIZE	TYPE / DESCRIPTION

JOB COMPLETE YES NO

IF NO, WHY? _____

CHANGE ORDER INITIATED YES NO CUST. INIT. _____

BY Ailda Santiago (Signature)
Ailda Santiago (Print)
Coordinadora Ambiental (Title)
4/13/04 (Date)



CHAIN OF CUSTODY

10220 Old Columbia Road
Columbia, Maryland 21046
410-381-2600
800-932-7299
Fax 410-381-2602

SAMPLE GENERATOR INFORMATION

NAME:		Pontifica Universidad Católica	
LOCATION (CITY/ST):		PONCE, PR	
SAMPLE TYPE:		SOLID	
AMOUNT COLLECTED:	4 (lbs)	TIME COLLECTED:	2:30
COLLECTOR'S NAME:	GREG HOWETT	DATE COLLECTED:	4-13-04

FIELD INFORMATION - SPECIAL INSTRUCTIONS

Packaged and shipped by ESI

CHAIN OF POSSESSION

ORIGIN:	PUCPR	ACCEPTED BY:	
NAME:	Hilda Santiago	NAME:	
SIGNATURE:	<i>Hilda Santiago</i>	SIGNATURE:	
DATE:	4/13/04	DATE:	
ORGANIZATION:	PUCPR	ORGANIZATION:	

ACCEPTED BY:		ACCEPTED BY:	
NAME:		NAME:	
SIGNATURE:		SIGNATURE:	
DATE:		DATE:	
ORGANIZATION:		ORGANIZATION:	

LAB INFORMATION

SAMPLE SHIPPED VIA:	FEDEX	<input checked="" type="checkbox"/> ESI	<input type="checkbox"/> MAIL	<input type="checkbox"/> OTHER
SAMPLE RECEIVED BY:		SIGNATURE:		
DATE:		TIME:		

BILLING INFORMATION

ESI Quote #:	04-080-BK		
Billing Customer:	Clean Harbors Environmental Services, Inc.	PO#:	
Billing Contact:	Edgar Medina	Phone #:	787-846-0300 x 3



CHAIN OF CUSTODY

10220 Old Columbia Road
Columbia, Maryland 21046
410-381-2600
800-932-7299
Fax 410-381-2602

SAMPLE GENERATOR INFORMATION

NAME:	Pontifica Universidad Católica		
LOCATION (CITY/ST):			
SAMPLE TYPE:			
AMOUNT COLLECTED:		TIME COLLECTED:	
COLLECTOR'S NAME:		DATE COLLECTED:	

FIELD INFORMATION - SPECIAL INSTRUCTIONS

Packaged and shipped by ESI

CHAIN OF POSSESSION

ORIGIN		ACCEPTED BY	
NAME:		NAME:	
SIGNATURE:		SIGNATURE:	
DATE:		DATE:	
ORGANIZATION:		ORGANIZATION:	

ACCEPTED BY		ACCEPTED BY	
NAME:		NAME:	
SIGNATURE:		SIGNATURE:	
DATE:		DATE:	
ORGANIZATION:		ORGANIZATION:	

LAB INFORMATION

SAMPLE SHIPPED VIA:	FEDEX		ESI		MAIL		OTHER	
SAMPLE RECEIVED BY:	Steven Keller			SIGNATURE:	St A. Keller			
DATE:				TIME:				

BILLING INFORMATION

ESI Quote #:	04-080-BK		
Billing Customer:	Clean Harbors Environmental Services, Inc.	PO#:	
Billing Contact:	Edgar Medina	Phone #:	787-846-0300 x 3



ECOLOGY SERVICES, INC.

10220 Old Columbia Road
Columbia, Maryland 21046
(410) 381-2600
1-800-932-7299
Fax (410) 381-2602

June 16, 2004

Mr. Edgar Medina
Clean Harbors Environmental Services, Inc.
Rural Road 666, Km. 0.05
Bo. Magueyes
Barceloneta, P.R. 00617

RE: Sample Analysis Results for: Pontifica Universidad Catolica(04-080-BK)

Dear Mr. Medina:

I have enclosed the results of samples analyzed for your client. Please forward a copy of the attached results to them for their records. Any waste incident to the analysis of samples will be properly disposed as Ecology Services, Inc. laboratory waste in accordance with all applicable State and Federal regulations.

If you have any questions or concerns, please contact your account manager.

Thank you for your continued use of Ecology Services, Inc. for your health physics service needs.

Sincerely,

Elise Ruzewski
Administrative Assistant

RECEIVED
Ofc. Seguro, Seguridad
y Salud Ocupacional

AUG 24 2004

PONTIFICIA UNIVERSIDAD
CATOLICA DE P. R.

LS Counter Data Reduction Program - ESI
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Instrument Data: Beckman LS-2800

Report Date: 29-Apr-04

Window: 0 ULL: 400 (Tritium)

Sample Date: 14-Apr-04

Background Data:

Bkg CPM	Count Time (min)	% Error (95% C.L.)
10.00	1.00	61.98%

Analysis By: SAK

MDA Data:

MDA (CPM) 18

MDA (DPM): 25

Sample Data:

Note: A zero reading for DPM values indicates only that the sample activity was less than the MDA.

Seq No.	Sample ID	Count Time (min)	Average H Number	CPM	Efficiency	DPM	Error (95% C.L.)
1	Wipe #1	1.00	128.0	17.00	31.3%	0	0.00%
2	2	1.00	127.0	16.00	31.6%	0	0.00%
3	3	1.00	125.0	12.00	32.1%	0	0.00%
4	4	1.00	125.0	16.00	32.1%	0	0.00%
5	5	1.00	123.0	11.00	32.6%	0	0.00%
6	6	1.00	126.0	14.00	31.8%	0	0.00%
7	7	1.00	119.0	8.00	33.5%	0	0.00%
8	8	1.00	122.0	10.00	32.8%	0	0.00%
9	9	1.00	122.0	11.00	32.8%	0	0.00%
10	10	1.00	129.0	8.00	31.1%	0	0.00%
11	11	1.00	119.0	14.00	33.5%	0	0.00%
12	12	1.00	122.0	8.00	32.8%	0	0.00%
13	13	1.00	127.0	14.00	31.6%	0	0.00%
14	14	1.00	130.0	14.00	30.8%	0	0.00%
15	15	1.00	124.0	15.00	32.3%	0	0.00%
16	16	1.00	126.0	13.00	31.8%	0	0.00%
17	17	1.00	123.0	15.00	32.6%	0	0.00%
18	18	1.00	122.0	11.00	32.8%	0	0.00%
19	19	1.00	124.0	12.00	32.3%	0	0.00%
20	20	1.00	124.0	12.00	32.3%	0	0.00%
21	21	1.00	128.0	12.00	31.3%	0	0.00%
22	22	1.00	132.0	13.00	30.3%	0	0.00%
23	23	1.00	128.0	4.00	31.3%	0	0.00%
24	24	1.00	119.0	9.00	33.5%	0	0.00%
25	25	1.00	124.0	11.00	32.3%	0	0.00%
26	26	1.00	120.0	6.00	33.3%	0	0.00%
27	27	1.00	126.0	3.00	31.8%	0	0.00%
28	28	1.00	124.0	16.00	32.3%	0	0.00%
29	29	1.00	125.0	8.00	32.1%	0	0.00%
30	Wipe #30	1.00	127.0	11.00	31.6%	0	0.00%

LS Counter Data Reduction Program - ESI
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Instrument Data: Beckman LS-2800

Report Date: 29-Apr-04

Window: 401 UL: 670 (Carbon-14)

Sample Date: 14-Apr-04

Background Data:

Bkg CPM	Count Time (min)	% Error (95% C.L.)
11.00	1.00	59.10%

Analysis By: SAK

MDA Data:

MDA (CPM): 18 MDA (DPM): 28

Sample Data: Note: A zero reading for DPM values indicates only that the sample activity was less than the MDA.

Seq No.	Sample ID	Count Time (min)	Average H Number	CPM	Efficiency	DPM	Error (95% C.L.)
1	Wipe #1	1.00	128.0	23.00	71.8%	0	0.00%
2	2	1.00	127.0	38968.00	71.9%	54179	11.22%
3	3	1.00	125.0	56.00	72.0%	62	30.75%
4	4	1.00	125.0	17.00	72.0%	0	0.00%
5	5	1.00	123.0	33.00	72.2%	30	40.95%
6	6	1.00	126.0	37988.00	72.0%	52764	11.23%
7	7	1.00	119.0	9.00	72.5%	0	0.00%
8	8	1.00	122.0	12.00	72.3%	0	0.00%
9	9	1.00	122.0	34333.00	72.3%	47502	11.23%
10	10	1.00	129.0	55.00	71.8%	61	31.04%
11	11	1.00	119.0	78.00	72.5%	92	26.21%
12	12	1.00	122.0	23465.00	72.3%	32461	11.25%
13	13	1.00	127.0	48.00	71.9%	51	33.30%
14	14	1.00	130.0	35454.00	71.7%	49439	11.23%
15	15	1.00	124.0	14.00	72.1%	0	0.00%
16	16	1.00	126.0	23433.00	72.0%	32542	11.25%
17	17	1.00	123.0	11.00	72.2%	0	0.00%
18	18	1.00	122.0	41.00	72.3%	42	36.24%
19	19	1.00	124.0	13.00	72.1%	0	0.00%
20	20	1.00	124.0	12320.00	72.1%	17069	11.32%
21	21	1.00	128.0	8.00	71.8%	0	0.00%
22	22	1.00	132.0	13.00	71.5%	0	0.00%
23	23	1.00	128.0	37611.00	71.8%	52343	11.23%
24	24	1.00	119.0	54.00	72.5%	59	31.33%
25	25	1.00	124.0	7.00	72.1%	0	0.00%
26	26	1.00	120.0	34322.00	72.4%	47397	11.23%
27	27	1.00	126.0	29.00	72.0%	0	0.00%
28	28	1.00	124.0	15.00	72.1%	0	0.00%
29	29	1.00	125.0	77.00	72.0%	92	26.37%
30	Wipe #30	1.00	127.0	8.00	71.9%	0	0.00%

LS Counter Data Reduction Program - ESI
--

Instrument Data: Beckman LS-2800

Report Date: 29-Apr-04

Window: 671 UL: 1000 (Phosphorus-32)

Sample Date: 14-Apr-04

Background Data:

Analysis By: SAK

Bkg	Count Time	% Error
CPM	(min)	(95% C.L.)
10.00	1.00	61.98%

MDA Data:

MDA (CPM): 18 MDA (DPM): 22

Sample Data: Note: A zero reading for DPM values indicates only that the sample activity was less than the MDA.

Seq No.	Sample ID	Count		CPM	Efficiency	DPM	Error (95% C.L.)
		Time (min)	Average H Number				
1	Wipe #1	1.00	128.0	11.00	81.7%	0	0.00%
2	2	1.00	127.0	17.00	81.7%	0	0.00%
3	3	1.00	125.0	16.00	81.6%	0	0.00%
4	4	1.00	125.0	10.00	81.6%	0	0.00%
5	5	1.00	123.0	10.00	81.6%	0	0.00%
6	6	1.00	126.0	12.00	81.7%	0	0.00%
7	7	1.00	119.0	20.00	81.6%	0	0.00%
8	8	1.00	122.0	9.00	81.6%	0	0.00%
9	9	1.00	122.0	13.00	81.6%	0	0.00%
10	10	1.00	129.0	9.00	81.7%	0	0.00%
11	11	1.00	119.0	14.00	81.6%	0	0.00%
12	12	1.00	122.0	15.00	81.6%	0	0.00%
13	13	1.00	127.0	14.00	81.7%	0	0.00%
14	14	1.00	130.0	13.00	81.7%	0	0.00%
15	15	1.00	124.0	8.00	81.6%	0	0.00%
16	16	1.00	126.0	7.00	81.7%	0	0.00%
17	17	1.00	123.0	10.00	81.6%	0	0.00%
18	18	1.00	122.0	11.00	81.6%	0	0.00%
19	19	1.00	124.0	13.00	81.6%	0	0.00%
20	20	1.00	124.0	9.00	81.6%	0	0.00%
21	21	1.00	128.0	9.00	81.7%	0	0.00%
22	22	1.00	132.0	10.00	81.7%	0	0.00%
23	23	1.00	128.0	6.00	81.7%	0	0.00%
24	24	1.00	119.0	10.00	81.6%	0	0.00%
25	25	1.00	124.0	12.00	81.6%	0	0.00%
26	26	1.00	120.0	15.00	81.6%	0	0.00%
27	27	1.00	126.0	10.00	81.7%	0	0.00%
28	28	1.00	124.0	16.00	81.6%	0	0.00%
29	29	1.00	125.0	11.00	81.6%	0	0.00%
30	Wipe #30	1.00	127.0	13.00	81.7%	0	0.00%

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: <i>Catholic University</i> <i>Ponce, PR</i> REPORT <i>1006-001</i>	2. NRC/REGIONAL OFFICE REGION I US NUCLEAR REGULATORY COMMISSION 475 ALLENDALE ROAD KING OF PRUSSIA, PENNSYLVANIA 19406-1415
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3. DOCKET NUMBER(S) <i>30-19921</i>	4. LICENSEE NUMBER(S) <i>57-13508-03</i>	5. DATE(S) OF INSPECTION <i>3/23/06</i>
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LICENSEE:
 The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

_____ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

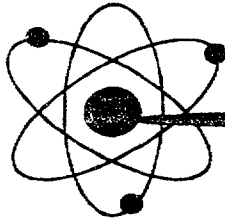
- 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	<i>Hector Bermudez</i>	<i>[Signature]</i>	<i>3/23/06</i>



Wisconsin Radiological Laboratories, Inc.

521 N. Business Park Circle · Stoughton, WI 53589

Phone: 608 - 877 - 0636 Fax: 608 - 877 - 0656

May 11, 2006

Prof. Carmen I. Asencio
Pontifical Catholic University of Puerto Rico
2250 Las Americas, Suite 654
Ponce, Puerto Rico 00717-9997

This letter is to report the wipe test results taken from one or more of your gamma-emitting radioactive sealed sources and on the wipes from the waste room floor taken on April 26, 2006. The sample analysis was performed on May 2, 2006 in a high efficiency sodium iodide well counter. Results were evaluated by comparison with standard sources whose activity is directly traceable to NIST standards. The sample indicated removable activity of less than 0.005 microCurie. All tests were performed under authorization of USNRC license 48-26319-01 issued to Wisconsin Radiological Laboratories (WRL). Tabular summaries of the test results are attached for your permanent records.

The waste room wipe analysis for the C^{14} and H^3 radionuclides was performed on May 11, 2006 in the above instrument and levels were found to be less than the detectable amount.

If you have any questions or require further assistance, please do not hesitate to call upon me at (608)877-0636.

Sincerely,

Lawrence J. McDonnell, Director,
Laboratory Operations

Catholic University of Puerto Rico

Prof. Carmen I. Asencio

Leak Test Results May 2, 2006

ORDER NO: C05104

TEST NO.	SOURCE SERIAL #	MANF ISOTOPE	DATE WIPED	ACTIVITY (DPM)	ACTIVITY (uCi)	ERROR (uCi)	MDA (uCi)	
05507	1035	JL Shepherd Cs-137	4/26/06	0.00	<MDA	2.85×10^{-6}	3.5203×10^{-5}	Irrad. Plate
05508	1035	JL Shepherd Cs-137	4/26/06	0.00	<MDA	2.86×10^{-6}	3.5203×10^{-5}	Source Mech.
05510	FE120	Wipe (Floor) Cs-137	4/26/06	0.00	<MDA	2.86×10^{-6}	3.5203×10^{-5}	
05511	FE120	Wipe (Floor) Cs-137	4/26/06	0.00	<MDA	2.84×10^{-6}	3.5203×10^{-5}	
05512	FE120	Wipe (Floor) Cs-137	4/26/06	10.17	<MDA	2.88×10^{-6}	3.5203×10^{-5}	

Comments: Results are reported as Net CPM (net counts per minute), Activity in disintegrations per minute (DPM) and in units of microcuries (uCi). The reported error is the two sigma statistical counting uncertainty, and the MDA is the minimum detectable amount of radioactivity that can be detected by the counting instrument and is reported in units of microcuries (uCi). All results below the MDA are reported as equal to the MDA.