



October 17, 2007

Entrix, Inc
Jillian Aldrin
701 University Ave Suite 200
Sacramento, CA 95825

RE: Brooks Rand Project: ENX002; Report #: 07BR1353

Dear Ms. Aldrin,

This report details the monomethyl mercury (MMHg) analysis of two fish composite samples received by Brooks Rand Labs (BRL) on September 14, 2007. The remaining fish samples received with this shipment were logged in under BRL Tracking number 07BR1337 and will be reported on a later date. The samples were received, stored, prepared, and analyzed according to BRL standard operating procedures (SOPs) and a modification of EPA Method 1630.

Once thawed, the samples filleted and were homogenized using pre-cleaned commercial grade homogenization equipment. A homogenization blank ("HB-07-1055-Hg") was collected and analyzed with the samples.

Results were blank corrected as described in the calculations section of the applicable BRL SOP and may have been evaluated using detection limits that have been adjusted to account for sample aliquot size. Please refer to the Quality Assurance Summary for sample-specific method detection limits (MDLs)/practical quantitation limits (PQLs), and QA details. The matrix spike/matrix spike duplicate (MS/MSD) set prepared from sample "HH-BT1" (07BR1353-01) was spiked at a concentration less than the native sample concentration, therefore the recovery criterion did not apply. A post preparation spike (PPS) analyzed at an appropriate concentration produced an excellent recovery.

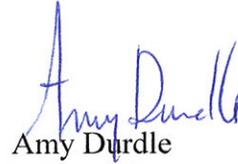
The result less than or equal to the MDL has been qualified "U" for non-detect and has been reported at the MDL. All QA criteria were met. No additional qualification of the data was required.

If you have any questions regarding this report, please feel free to contact us at any time.

Sincerely,



Amanda Fawley
Project Manager
amanda@brooksrand.com



Amy Durdle
Project Manger
amy@brooksrand.com

Reported by
Brooks Rand LLC

Contact: Amanda Fawley
3958 6th Avenue NW
Seattle, WA 98107
Tel: 206-632-6206 Fax: 206-632-6017

Summary of Results for
Entrix, Inc.

Contact: Jillian Aldrin
701 University Ave Suite 200
Sacramento CA 95825
Tel: 916-923-1097

Lab Project # ENX002
Lab Tracking # 07BR1353

Lab Services Agreement ENX002

Sample/Sampling/Receiving Info

Entrix, Inc.

BRL

Sample Identification	Sampling Date	Matrix	Submatrix	Sample Number	Receiving Date
HH-BT1	9/11/2007	Biota	Fish	07BR1353 - 01	9/14/2007
HH-BT1	9/11/2007	Biota	Fish	07BR1353 - 01	9/14/2007
FM-BT-1	9/12/2007	Biota	Fish	07BR1353 - 02	9/14/2007
FM-BT-1	9/12/2007	Biota	Fish	07BR1353 - 02	9/14/2007
HB-07-1055-Hg	10/2/2007	Biota	Blank	07BR1353 - 03	9/14/2007
HB-07-1055-Hg	10/2/2007	Biota	Blank	07BR1353 - 03	9/14/2007

Wednesday, October 17, 2007


Project Manager

Reported by

Brooks Rand LLC

Contact: Amanda Fawley

3958 6th Avenue NW

Seattle, WA 98107

Tel: 206-632-6206 Fax: 206-632-6017

Summary of Results for

Entrix, Inc.

Contact: Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

Lab Project # ENX002

Lab Tracking # 07BR1353

Lab Services Agreement ENX002

Hg(Monomethyl)

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
HH-BT1	07BR1353 - 01	T	10/11/2007	10/15/2007	07-1066	1,070.000	ng/g	
FM-BT-1	07BR1353 - 02	T	10/11/2007	10/15/2007	07-1066	183.000	ng/g	
HB-07-1055-Hg	07BR1353 - 03	T	10/11/2007	10/15/2007	07-1066	1.000	ng/g	U

Wednesday, October 17, 2007


Project Manager

Sample Physical Characteristics Log

Prep Technician: Bryce

Date: 10/2/07

Client ID(s): ENX002

Sample ID	Matrix/Submatrix	Physical Characteristics
070F1353	Biotin/Fish	Fish 1 - ID - HH-1A-BT-34
		Weight - 984g contained eggs
		Length - 43cm
		Faded Black/Red spots on top
		Fish 2 - ID - HH-3A-BT-3
		Weight - 1330g contained eggs
		Length - 40cm large eggs, near birth
		Small clustered spots (many)
		Fish 3 - ID - HH-2A-BT-6
		Weight - 800g
		Length - 39cm
		Darker in color, spots very faded
		Fish 4 - ID - HH-2C-BT-1
		Weight - 477g
		Length - 33cm
		Very thin, most spots near head.
		Fish 5 - ID - HH-1B-BT-15
		Weight - 1093g
		Length - 40cm
		Darker in color, Dark spots

Tissue
 light and
 not pink
 like
 others

Tissue
 light and
 not pink
 like
 others

Additional Notes: _____

Sample Physical Characteristics Log

Prep Technician: Bryce

Date: 10/2/07

Client ID(s): ENX002

Sample ID	Matrix/Submatrix	Physical Characteristics	ID
07BRB33-02	biota / Fish	Fish 1 weight 598g Length ~ 42 30 cm Silvery skin w/ black & Red spotted markings	FM- ED _{nm} -BT-1
		Fish 2 weight 438g Length ~ 28 cm Silvery skin, spotted, thin	FM-2A-BT-2
		Fish 3 weight 745g Length ~ 35 cm - Contained eggs Less defined markings	FM-3D-BT-3
		Fish 4 weight 451g 30 length ~ 30 cm - Contained eggs Silver w/ black spots, no red	FM-2B-BT-4
		Fish 5 weight 548g Length ~ 30 cm Defined Black spots on sides	FM-1A-BT-1

Additional Notes: _____

QUALITY ASSURANCE SUMMARY



3958 6th Avenue NW
Seattle, WA 98107
Voice: 206-632-6206
Fax: 206-632-6017

Batch #: 07-1066

Method #: BR-0011

Analyte: MMHg

Matrix: Biota

BIAS Criterion: Recovery = 67-133%			
Continuing Calibration Verification (CCV)			
QCS ID	Certified Value ng/L	Measured Value ng/L	Recovery %
CCV1	0.625	0.585	94%
CCV2	0.625	0.610	98%

BIAS Criterion: Recovery = 80-120%			
Independent Calibration Verification (ICV)			
QCS ID	Certified Value ng/L	Measured Value ng/L	Recovery %
ICV*	7.33	6.64	91%

* The ICV standard is prepared from an aliquot of the CRM DORM-2.

BIAS Criteria: Recovery = 65-135%			
Certified Reference Material (CRM)			
CRM ID	Certified Value ng/g	Measured Value ng/g	Recovery %
DORM-2	4470	4254	95%

BIAS Criteria: Recovery = 65-135%, RPD ≤ 35%								
Matrix Spikes/Matrix Spike Duplicates (MS/MSD)								
Sample ID	Sample Value ng/g AR	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked Value ng/g AR	Measured Value ng/g AR	MS Recovery %	Spiked Value ng/g AR	Measured Value ng/g AR	MSD Recovery %	
07BR1353-01	1066	480	1573	106%	522	1692	120%	7%

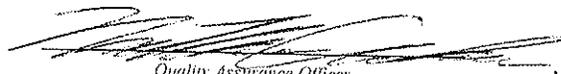
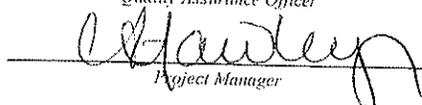
BIAS Criterion: Recovery = 67-133%				
Post-Preparation Spike (PPS)				
Sample ID	Sample Value ng/g AR	Spiked Value ng/g AR	Measured Value ng/g AR	PPS Recovery %
07BR1353-01	1066	3626	5034	109%

PRECISION Criteria: RPD ≤ 35% or results +/- 2xPQL if < 5xPQL				
Method Duplicate Analysis (MD)				
Sample ID	Sample Value ng/g AR	Duplicate Value ng/g AR	Average Value ng/g AR	RPD %
07BR1353-01	1066	1107	1087	4%

Method Blanks (MB) Criteria: Avg. < 2x MDL, Std Dev < 2/3 MDL					
MB1 ng/g	MB2 ng/g	MB3 ng/g	MB4 ng/g	Average ng/g	Std Dev ng/g
0.3	0.2	0.2	0.1	0.2	0.1

Method Detection Limits	
MDL ng/g	PQL ng/g
1.0	3.0

Sample Specific Reporting Limits		
Sample ID	MDL ng/g	PQL ng/g
07BR1353-01	9	26
07BR1353-02	10	29


 Quality Assurance Officer

 Project Manager



3958 6th Avenue NW Phone: 206-632-6206
 Seattle, WA 98107 Fax: 206-632-6017
 www.brooksrand.com Email: brl@brooksrand.com

Sample Receiving Log

Tracking # **07BR1353**

Customer: Entrix, Inc.
 Contact: Brian Frantz
 Project Ref. #: ENX002
 BRL Project Manager: Amanda Fawley

Due Date: 10/19/2007
 Receiving Date: 9/14/2007
 Receiving Time: 8:45 AM
 Logged-in by: Amanda Fawley
 Log-in Date: 9/21/2007
 Log-in Time: 2:30 AM

QA Level Standard
 Sample Condition Intact
 Shipping container intact? Yes
 Shipping container type: Cooler
 Shipping container temp: See COC
 Shipping container coolant: Ice
 Sample Turnaround Time: 35
 Contract Turnaround Time: 28 days

Airbill present? Yes
 Airbill # See Comments
 Courier: FedEx
 Custody seal present? No
 Custody seal intact? No
 COC Present? Yes
 COC/Sample tag agree? Yes
 COC Number: N/A

Comments: Samples were split off from BRL tracking number 07BR1337.

Lab ID:

01 Matrix/Sub-Matrix: Biota, Fish
 Preservation:
 Acid Lot#:
 pH: Filtered?: No
 Sample Tag #: HH-BT1
 Collection Date/Time: 9/11/2007,
 ContainerType and Lot #: Plastic bag,
 Size: Sample Storage Location: Freezer #3
 Comments: This lab ID has 5 fish
 Analysis / Method: Compositing In-House
 Analysis / Method: Filletting In-House
 Analysis / Method: Hg(Monomethyl) EPA 1630 Mod.
 Analysis / Method: Homogenization BR-0103

02 Matrix/Sub-Matrix: Biota, Fish
 Preservation:
 Acid Lot#:
 pH: Filtered?: No
 Sample Tag #: FM-BT-1
 Collection Date/Time: 9/12/2007,
 ContainerType and Lot #: Plastic bags,
 Size: Sample Storage Location: Freezer #3
 Comments: This lab ID has 5 fish
 Analysis / Method: Compositing In-House
 Analysis / Method: Filletting In-House
 Analysis / Method: Hg(Monomethyl) EPA 1630 Mod.
 Analysis / Method: Homogenization BR-0103

Lab ID:

[Signature] 9/21/07
Sample Custodian signature Date

[Signature] 9/27/07
Reviewed By signature Date



Chain Of Custody Record

Client: ENTRIX
 Contact: Coralie Dayde
 Address: 2300 Claydon Rd, Ste 200
 Concord, CA 94520
 Phone #: 925-925-9920
 PO #:

COC receipt confirmation? (Y/N)
 If yes, by Fax / Email (circle one)
 Fax #: _____
 Email: _____
 Sampler's name: Coralie Dayde
 Client project ID: PWA WQ 3177621
 BRL project ID: ENX002

Ship to: Brooks Rand LLC
 3958 6th Avenue NW
 Seattle, WA 98107
 Phone: 206-632-6206
 Fax: 206-632-6017
 Email: samples@brookstrand.com
 www.brookstrand.com

Sample ID	Collection		Miscellaneous	Field Preservation			Analyses required						Comments							
	Date	Time		Sampler (initials)	Matrix type	# of containers	Sample field filtered (Y/N)	Unpreserved / ice only	HCl/HNO ₃ /BrCl (circle one)	Other (specify)	Total Hg, EPA 1631	Methyl Hg, EPA 1630		Metals ICP-MS (specify)	As / Se species (specify)	% Solids	Filtration	Other (specify)	Other (specify)	Other (specify)
1	9/11	10:00	CD	Fish			X			X										Fillet Fish
2	9/11	11:00	CD	Fish			X			X										Homogenize
3	9/11	12:15	CD	Fish			X			X										without skin any
4	9/11	13:45	CD	Fish			X			X										SHRIMP
5	9/12	9:45	CD	Fish			X			X										
6																				
7																				
8																				
9																				
10																				

Relinquished by: Coralie Dayde Date: 9/12/07 Time: 7:45
 Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____
 Received at BRL by: Michael Mead Date: 9/14/07 Time: 08:45

Shipping carrier: _____ # of coolers: _____
 BRL Tracking #: _____



Chain Of Custody Record

Page 1 of 1
 White: LAB COPY
 Yellow: CUSTOMER COPY

Client: **ENTRIX** Ship to: **Brooks Rand LLC**
 Contact: **CORALIE DAYDE** 3958 6th Avenue NW
 Address: **2300 CLAYTON RD, Ste 200** Seattle, WA 98107
CONCORD, CA 94520 Phone: 206-632-6206
 Fax #: 206-632-6017
 Email: **C.DAYDE@brooksrand.com**
 Phone #: **925-988-1234** Client project ID: **3177621**
 PO #: BRL project ID: **ENX002** www.brooksrand.com

Sample ID	Collection		Miscellaneous			Field Preservation			Analyses required						Comments				
	Date	Time	Sampler (initials)	Matrix type	# of containers	Sample field filtered (Y/N)	Unpreserved / ice only	HCl/HNO ₃ /BrCl (circle one)	Other (specify)	Total Hg, EPA 1631	Methyl Hg, EPA 1630	Metals ICP-MS (specify)	As / Se species (specify)	% Solids		Filtration	Other (specify)	Other (specify)	Other (specify)
1	9/12	15:50		Fish			X			X									plastic bucket
2	9/12	16:20		Fish			X			X									fish without
3	9/12	18:30		Fish			X			X									skin and
4	9/13	9:30		Fish			X			X									monoglyceride
5	9/13	11:30		Fish			X			X									plastic hold
6	9/12	15:50		fish			X			X									until more
7	9/13	10:20		Fish			X			X									specimen jar
8	9/11	14:20		Fish			X			X									
9	9/13	11:24		Fish			X			X									
10	9/13	15:30		Fish			X			X									

Relinquished by: **Gabe Davis** Date: **9/13/07** Time: **16:45** Received by: _____ Date: _____ Time: _____
 Relinquished by: _____ Date: _____ Time: _____ Received at BRL by: **Mark-Mead** Date: **9/14/07** Time: **08:45**
 Shipping carrier: _____ # of coolers: _____ BRL Tracking #: _____