

## **APPENDIX II**

**Particulate, Anions and Metals Analysis**

**Dioxin, Furan, Co-planar PCB, CB, PCP  
and PAH Analytical Reports**

**VOC Analytical Data**

Gelda Scientific → Report #01



Hospital for Sick Children

**Advanced Protein Technology Centre  
Amino Acid Analysis Facility**

100 College St. Room 522  
Toronto, ON M5G 1L5

Phone: 416-978-5554 Fax: 416-978-8802

416-813-7654

**Fax**

Eco Waste Solutions  
5195 Harvester Rd.,  
Unit #6,  
Burlington, Ont. L7L 6S9  
Rec: 7/18/03  
Rpt: 7/30/03 (905)634-0831

To: <u>Dr. Damien Boyd</u> <u>Gelda Scientific / Gelda Foods</u>	From: <u>Rey Interior</u>
Fax #: <u>905-673-8114</u>	Date: Jul 30, 2003
No. of Pages: 4 (including cover sheet)	
Re: Amino acid analysis result/s	

Comments:

0.5023 gm of ash material was weighed out and amino acids extracted with 500 uL of 0.1M HCl, mixed thoroughly, then centrifuged and 50 uL aliquot of supernatant was taken for analysis. no amino acid/s was/were detected.

Ash Sample [Dorchester/Ontario]  
Animal Ash: 7/17/03.

*[Signature]*

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Amino Acid Analysis Facility  
 HSC ADVANCED PROTEIN TECHNOLOGY CENTRE  
 Dept. of Structural Biology & Biochemistry  
 Hospital for Sick Children

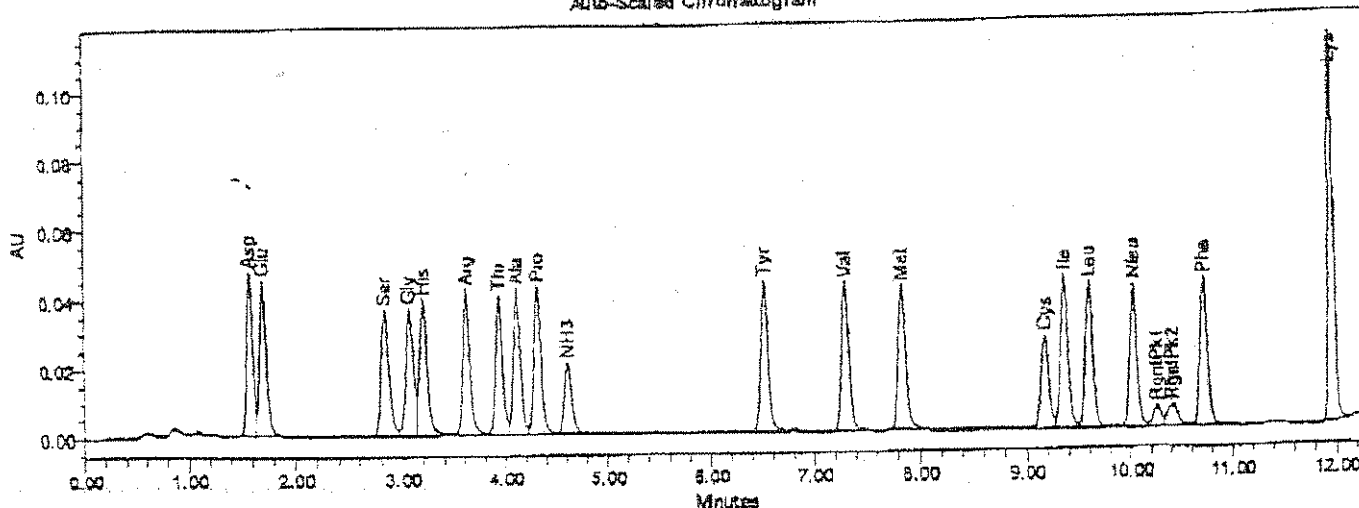
Date: 30/07/2003

Sample Information

Vial: 2 Injection: 1 Injection Volume: 10.00 ul ResultId: 25688 Date Acquired: 29/07/2003 2:55:41 PM  
 Sample File Name: 0729HY02 Acq Method Set: Hydrolyzates3B1A Method Set  
 Investigator: Damien Boyd Date Processed: 30/07/2003 11:21:37 AM  
 Processing Method: Hydrolyzates3B1Nieu

Calibration Standard  
 Pierce Amino Acid Standard H; Derivatized with PITC; Pico-Tag column (3.9 mm X 15 cm); Column Temperature: 38 C;  
 Waters Modified Pico-Tag Gradient; Waters Alliance 2690 Separations Module; Waters 2487 Dual Wavelength Absorbance Detector;  
 Detection at 254 nm; Waters Millennium 21 Chromatography Software

Auto-Scaled Chromatogram



Component Results (Amt. in pmoles)

	Name	RT	Area	Amount
1	Asp	1.577	191048	250.000
2	Glu	1.706	197272	250.000
3	Ser	2.856	189336	250.000
4	Gly	3.057	184648	250.000
5	His	3.199	206811	250.000
6	Arg	3.617	194265	250.000
7	Thr	3.937	191980	250.000
8	Ala	4.114	199784	250.000
9	Pro	4.312	205802	250.000
10	NH3	4.814	165348	250.000
11	Tyr	6.513	213857	250.000
12	Val	7.296	210677	250.000
13	Met	7.837	213198	250.000
14	Cys	9.178	137488	125.000
15	Ile	9.360	219188	250.000
16	Leu	9.594	209862	250.000
17	Met	10.032	207200	250.000
18	RgmtPk1	10.285	32848	250.000
19	RgmtPk2	10.414	41297	250.000

	Name	RT	Area	Amount
20	Phe	10.724	214784	250.000
21	Lys	11.958	397118	250.000

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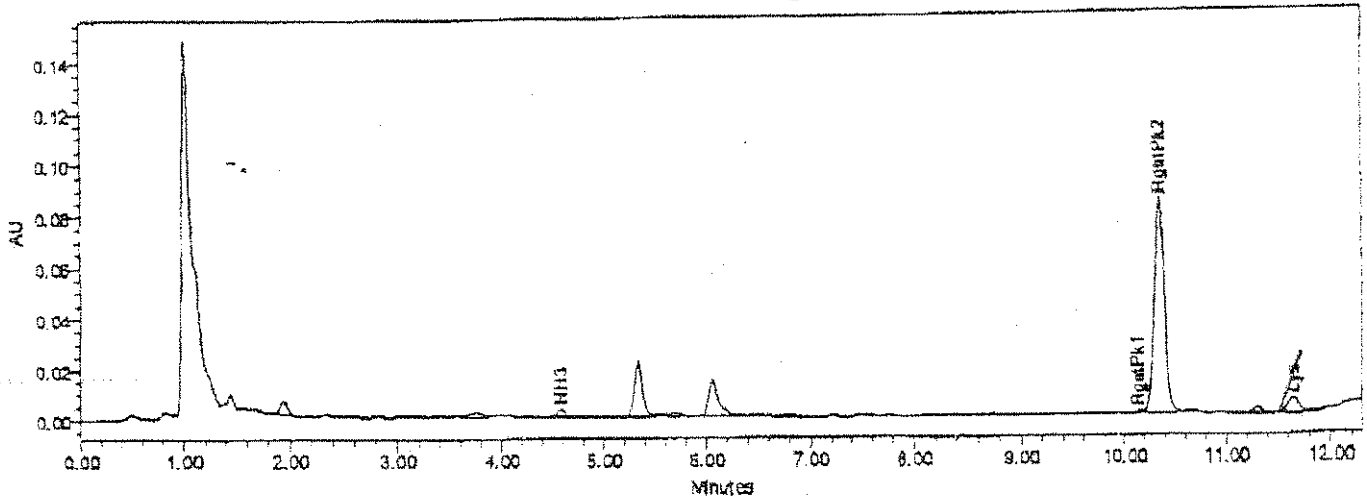
Date: 30/07/2003

Sample Information

Vial: 19	Injection: 1	Dil_Vol: (uL)	Injection Volume: 20 ul	Date Acquired	29/07/2003 10:13:21 PM	
Sample File Name:	0729HY19		Result Id	25704	Acq Method Set	Hydrolyzates3B1A Method Set
Investigator/Spl. Name:	Damien Boyd EW-1 Ash Sample			Data Processed	30/07/2003 11:46:38 AM	
Amt_Taken:	0.5023 gm		Processing Method	Hydrolyzates3B1N1au		

Comments:

Auto-Scaled Chromatogram



Component Results (Amt. in pmoles)

	Name	RT	Area	Amount
1	NH3	4.587	17435	206.069
2	RgnPk1	10.138	2530	96.298
3	RgnPk2	10.348	560603	18968.641
4	Lys	11.048	35488	141.705

AMINO ACID ANALYSIS FACILITY

Investigator: Damien Boyd

Sample Name: EW-1

Lot No.:

ID No.: 0729HY19

Amino Acids

Sample Wt. (gm): 0.5023  
 Dilution Vol.(uL): 500  
 Aliquot Vol. (uL): 50  
 Final Wt. (mg): 50.230

Amino Acids	pmoles	Res. Wt.	ugrams	ug/mg spl.	%
Asp		115.08	0.00	0.00	0.0
Glu		129.11	0.00	0.00	0.0
Ser		87.07	0.00	0.00	0.0
Gly		57.05	0.00	0.00	0.0
His		137.14	0.00	0.00	0.0
Arg		156.18	0.00	0.00	0.0
Thr		101.10	0.00	0.00	0.0
Ala		71.07	0.00	0.00	0.0
Pro		97.11	0.00	0.00	0.0
Tyr		163.17	0.00	0.00	0.0
Val		99.13	0.00	0.00	0.0
Met		131.19	0.00	0.00	0.0
Ile		113.15	0.00	0.00	0.0
Leu		113.15	0.00	0.00	0.0
Phe		147.17	0.00	0.00	0.0
Lys		128.17	0.00	0.00	0.0
Total:			0.00	0.00	
			ug	ug/mg spl.	

*None Detected*

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## **Eco Waste Solutions: Animal Incineration since 1997**

Eco Waste Solutions, based in Burlington, Ontario was established in 1994. We are an environmental technology company focused on point-of-need waste management solutions. Our patented thermal treatment provides an environmentally responsible waste management alternatives for a range of waste types including biological and pathological waste. Eco Waste Solutions' technology has been in use for the processing of animal carcasses, tissues and parts since 1997. **Recently, Eco Waste Solutions was awarded a major project with the Government of Venezuela to provide 6 units to be strategically dispersed throughout the country to process deceased large animals.**

### **Eco Waste Solutions – Sample Animal Project References**

#### **Clear Blu Farms/Ontario Pet Cremation (Since 1999)**

**Dorchester, Ontario**

**Barry Hunter (519) 268-6266**

Barry is in the process of commissioning his third ECO model animal cremation system. He operates this equipment up to 7 days per week, processing 10 to 12 tons per week of animal carcasses, parts and research lab residuals.

#### **Rainbow Bridge Pet Cremation Services (Since 2000)**

**Oklahoma, USA**

**Sue Wickard (580) 351-8280**

This business operates a pet cremation service utilizing the ECO Waste Solutions Animal Cremation System Model CA 100.

#### **Curacao Incineration Company (Since 2001)**

**Curacao, Netherlands Antilles**

**John Amerika (599) 9-561-6227**

The Eco Waste Oxidizer handles all of the dead animal carcasses and veterinary wastes for this Caribbean Island.

#### **Animal Control Centre – City of Mississauga (Since 1997)**

**Mississauga, Ontario**

**Janet Michaud (905) 615-3200 ext. 5866**

This ECO Model unit processes up to 1200 lbs per day of dead animals from domestic pets to deer and other large animals killed on local roads.

#### **Hawaii State Animal Quarantine – Halawa Necropsy Facility (Since 1997)**

**Halawa, Hawaii USA**

**Dr. Thomas Sawa (808) 483-7130**

This unit destroys any animals which are euthanized or die in quarantine or of infectious diseases that may threaten public health, wildlife or livestock populations.