

NOTE: Proper completion of this form is required in order to proceed with analysis  
See reverse for your nearest Bodycote location and proper sampling protocol

<b>Billing Address:</b>		<b>Copy of Report To:</b>		<b>Copy of Invoice:</b> <input type="checkbox"/>	
Company: <b>North Island Laboratories</b>		Company: <b>Same</b>		Mail Invoice to this address for approval <input type="checkbox"/>	
Address: <b>2755B Moray Avenue</b>		Address:			
Attention:		Attention:		Report Results:	
Phone: <b>1-250-338-7786</b>		Phone:		Fax <input type="checkbox"/>	
Fax: <b>1-250-338-7553</b>		Fax:		Mail <input type="checkbox"/>	
Cell:		Cell:		Courier <input type="checkbox"/>	
e-mail:		e-mail:		e-mail <input type="checkbox"/>	
QA/QC Report <input type="checkbox"/>				e-Service <input type="checkbox"/>	
Report Results:					
Fax <input checked="" type="checkbox"/>					
Mail <input checked="" type="checkbox"/>					
Courier <input type="checkbox"/>					
e-mail <input type="checkbox"/>					
e-Service <input type="checkbox"/>					

**Information to be included on Report and Invoice.**

Project ID: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Legal Location: \_\_\_\_\_  
 PO#: \_\_\_\_\_  
 Proj. Acct. Code: \_\_\_\_\_  
 Agreement ID: **8834**

**Rush** Please contact the laboratory to confirm rush dates and times before submitting samples.

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH All analysis As indicated  
 required on:  **or**

Date Required: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Bodycote Authorization: \_\_\_\_\_

Sample Custody (Please Print)

Sampled by: \_\_\_\_\_  
 Company: \_\_\_\_\_ Signature: \_\_\_\_\_

I authorize Bodycote to proceed with the work indicated on this form:

Date: \_\_\_\_\_ Initial: \_\_\_\_\_  
 Received by: **BM** Sample Temp. **12** °C  
 Waybill # **OCT 08 2008**  
 Company **Dynmix** Time **11:00**

**Special Instructions / Comments**

*Seperate Report Please*

**FOR LAB USE ONLY**

Condition of containers / coolers upon arrival at lab

Check here if Bodycote is required to report results directly to a regulatory body (Please include contact information)

Check here if you're testing POTABLE WATER for **HUMAN CONSUMPTION.**

Please indicate which regulations you are required to meet: \_\_\_\_\_

Sample Identification	Location	Depth			Date/Time Sampled	Matrix	Sampling Method	Number of Containers	Enter tests above (✓ relevant samples below)													
		IN	CM	M					MRBW	PD30	EPH	VOC	PHGLYPW	PAH	PCB	NH4	TU24	THG	COLA	TDS		
1 #69816-01		-						12	X	X	X	X	X	X	X	X	X	X	X	X	X	
2		-																				
3		-																				
4		-																				
5		-																				
6		-																				
7		-																				
8		-																				
9		-																				
10		-																				
11		-																				
12		-																				
13		-																				
14		-																				
15		-																				

Bill To: North Island Laboratories  
 Report To: North Island Laboratories  
 2755B Moray Avenue  
 Courtenay, BC, Canada  
 V9N 8M9  
 Attn: Sandy Felgenhauer  
 Sampled By:  
 Company:

Project:  
 ID:  
 Name:  
 Location:  
 LSD:  
 P.O.:  
 Acct code:

Lot ID: **647584**  
 Approval Status: Approved  
 Invoice Frequency: by Lot  
 COD Status:  
 Control Number: A042655  
 Date Received: Oct 8, 2008  
 Date Reported: Oct 16, 2008  
 Report Number: 1162277

Contact	Company	Address
Sandy Felgenhauer	North Island Laboratories	2755B Moray Avenue Courtenay, BC V9N 8M9 Phone: (250) 338-7786 Email: nilabs@telus.net
		Fax: (250) 338-7553

	Copies	Delivery	Format
M	1	Post	
	1	Email - Single Report	PDF
	1	Email - Single Report	Single Descriptor List

\_\_\_\_\_ PAGES IN THIS TRANSMISSION

**Notes To Clients:**

- This report was re-issued to include missing Sodium analysis. Report 1162277 replaces original report 1158750

**Reports associated with this Lot**

<u>Id/Format/Report Date</u>	<u>Id/Format/Report Date</u>	<u>Id/Format/Report Date</u>
1158570 Env2 3 Smp & DL 16-Oct-08		

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Bill To: North Island Laboratories  
Report To: North Island Laboratories  
2755B Moray Avenue  
Courtenay, BC, Canada  
V9N 8M9  
Attn: Sandy Felgenhauer  
Sampled By:  
Company:

Project:  
ID:  
Name:  
Location:  
LSD:  
P.O.:  
Acct code:

Lot ID: **647584**  
Control Number: A042655  
Date Received: Oct 8, 2008  
Date Reported: Oct 16, 2008  
Report Number: 1162277

**Sample Disposal Date: November 15, 2008**

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

Extend Sample Storage Until \_\_\_\_\_ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	\$ 10.00
Storage for 6 to 20 samples per month	\$ 15.00
Storage for 21 to 50 samples per month	\$ 30.00
Storage for 51 to 200 samples per month	\$ 60.00
Storage for more than 200 samples per month	\$ 110.00

Return Sample, collect, to the address below via:

Greyhound

Loomis

Purolator

Other (specify) \_\_\_\_\_

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Signature \_\_\_\_\_

## Analytical Report

Bill To: North Island Laboratories  
 Report To: North Island Laboratories  
 2755B Moray Avenue  
 Courtenay, BC, Canada  
 V9N 8M9  
 Attn: Sandy Felgenhauer  
 Sampled By:  
 Company:

Project:  
 ID:  
 Name:  
 Location:  
 LSD:  
 P.O.:  
 Acct code:

Lot ID: **647584**  
 Control Number: A042655  
 Date Received: Oct 8, 2008  
 Date Reported: Oct 16, 2008  
 Report Number: 1162277

**Reference Number**      647584-1  
**Sample Date**  
**Sample Location**  
**Sample Description**      69816-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Inorganic Nonmetallic Parameters</b>					
Ammonium - N	mg/L	0.09			0.01
<b>Metals Total</b>					
Mercury	Total ug/L	<0.01			0.01
Calcium	Total mg/L	8.93			0.03
Iron	Total mg/L	<0.02			0.02
Magnesium	Total mg/L	2.39			0.02
Manganese	Total mg/L	<0.005			0.005
Phosphorus	Total mg/L	0.018			0.01
Potassium	Total mg/L	0.2			0.1
Silicon	Total mg/L	10.4			0.05
Sodium	Total mg/L	3.67			0.02
Aluminum	Total mg/L	<0.005			0.005
Antimony	Total mg/L	<0.0002			0.0002
Arsenic	Total mg/L	<0.0002			0.0002
Barium	Total mg/L	0.001			0.001
Beryllium	Total mg/L	<0.00004			0.00004
Bismuth	Total mg/L	<0.0001			0.0001
Boron	Total mg/L	<0.005			0.004
Cadmium	Total mg/L	<0.00001			0.00001
Chromium	Total mg/L	0.001			0.0004
Cobalt	Total mg/L	<0.00002			0.00002
Copper	Total mg/L	0.095			0.001
Lead	Total mg/L	0.0005			0.0001
Lithium	Total mg/L	<0.001			0.001
Manganese	Total mg/L	0.0002			0.0001
Molybdenum	Total mg/L	0.00007			0.00002
Nickel	Total mg/L	<0.001			0.001
Selenium	Total mg/L	<0.0006			0.0006
Silver	Total mg/L	0.00021			0.00001
Strontium	Total mg/L	0.032			0.001
Tellurium	Total mg/L	<0.0001			0.0001
Thallium	Total mg/L	<0.00001			0.00001
Thorium	Total mg/L	<0.0001			0.0001
Tin	Total mg/L	0.0003			0.0001
Titanium	Total mg/L	0.0011			0.0001
Uranium	Total mg/L	<0.0004			0.0004
Vanadium	Total mg/L	0.00190			0.00004
Zinc	Total mg/L	0.006			0.001

## Analytical Report

Bill To: North Island Laboratories	Project:
Report To: North Island Laboratories	ID:
2755B Moray Avenue	Name:
Courtenay, BC, Canada	Location:
V9N 8M9	LSD:
Attn: Sandy Felgenhauer	P.O.:
Sampled By:	Acct code:
Company:	

Lot ID: <b>647584</b>
Control Number: A042655
Date Received: Oct 8, 2008
Date Reported: Oct 16, 2008
Report Number: 1162277

<b>Reference Number</b>	647584-1
<b>Sample Date</b>	
<b>Sample Location</b>	
<b>Sample Description</b>	69816-01
<b>Matrix</b>	Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Metals Total - Continued</b>					
Zirconium	Total	mg/L	<0.0001		0.0001
<b>Physical and Aggregate Properties</b>					
Colour	Apparent	Colour units	6		5
Solids	Total Dissolved	mg/L	142		5
<b>Routine Water</b>					
pH	@ 25 °C	pH	7.53		
<b>Extractable Petroleum Hydrocarbons - Water</b>					
LEPHw		ug/L	<100		100
HEPHw		ug/L	<100		100
<b>Polycyclic Aromatic Hydrocarbons - Water</b>					
Acenaphthene		ug/L	<0.1		0.1
Acenaphthylene		ug/L	<0.1		0.1
Acridine		ug/L	<0.05		0.05
Anthracene		ug/L	<0.1		0.1
Benzo(a)anthracene		ug/L	<0.01		0.01
Benzo(a)pyrene		ug/L	<0.01		0.01
Benzo(b)fluoranthene		ug/L	<0.01		0.01
Benzo(g,h,i)perylene		ug/L	<0.1		0.1
Benzo(k)fluoranthene		ug/L	<0.02		0.02
Chrysene		ug/L	<0.1		0.1
Dibenzo(a,h)anthracene		ug/L	<0.01		0.01
Fluoranthene		ug/L	<0.1		0.1
Fluorene		ug/L	<0.1		0.1
Indeno(1,2,3-c,d)pyrene		ug/L	<0.1		0.1
Naphthalene		ug/L	<0.1		0.1
Phenanthrene		ug/L	<0.1		0.1
Pyrene		ug/L	<0.02		0.02
Quinoline		ug/L	<3.4		3.4
<b>PAH - Water - Surrogate Recovery</b>					
2-Fluorobiphenyl	PAH - Surrogate	%	76		30-130
Nitrobenzene-d5	PAH - Surrogate	%	92		23-130
p-Terphenyl-d14	PAH - Surrogate	%	88		18-137
<b>Polychlorinated Biphenyls - Water</b>					
Aroclor 1016		ug/L	<0.1		0.1
Aroclor 1221		ug/L	<0.1		0.1
Aroclor 1232		ug/L	<0.1		0.1
Aroclor 1242		ug/L	<0.1		0.1
Aroclor 1248		ug/L	<0.1		0.1

## Analytical Report

Bill To: North Island Laboratories      Project:  
 Report To: North Island Laboratories      ID:  
           2755B Moray Avenue                Name:  
           Courtenay, BC, Canada            Location:  
           V9N 8M9                                LSD:  
 Attn: Sandy Felgenhauer                    P.O.:  
 Sampled By:                                    Acct code:  
 Company:

Lot ID: **647584**  
 Control Number: A042655  
 Date Received: Oct 8, 2008  
 Date Reported: Oct 16, 2008  
 Report Number: 1162277

**Reference Number**      647584-1  
**Sample Date**  
**Sample Location**  
**Sample Description**      69816-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Polychlorinated Biphenyls - Water - Continued</b>					
Aroclor 1254	ug/L	<0.1			0.1
Aroclor 1260	ug/L	<0.1			0.1
Aroclor 1262	ug/L	<0.1			0.1
Aroclor 1268	ug/L	<0.1			0.1
Total PCBs	ug/L	<0.1			0.1
<b>Polychlorinated Biphenyls - Water - Surrogate</b>					
Decachlorobiphenyl      Surrogate	%	86			50-150
<b>VOC Screen - Water</b>					
Acetone	ug/L	<25			25
Acetonitrile	ug/L	<25			25
Acrylonitrile	ug/L	<25			25
Allyl Chloride	ug/L	<25			25
Benzene	ug/L	<1			1
Bromobenzene	ug/L	<1			1
Bromochloromethane	ug/L	<1			1
Bromodichloromethane	ug/L	<1			1
Bromoform	ug/L	<1			1
Bromomethane	ug/L	<10			10
2-Butanone (MEK)	ug/L	<25			25
n-Butylbenzene	ug/L	<1			1
sec-Butylbenzene	ug/L	<1			1
tert-Butylbenzene	ug/L	<1			1
Carbon Tetrachloride	ug/L	<1			1
Chlorobenzene	ug/L	<1			1
Chloroethane	ug/L	<10			10
2-Chloroethyl Vinyl Ether	ug/L	<1			1
Chloroform	ug/L	<1			1
Chloromethane	ug/L	<10			10
2-Chlorotoluene	ug/L	<1			1
4-Chlorotoluene	ug/L	<1			1
Dibromochloromethane	ug/L	<1			1
1,2-Dibromo-3-Chloropropane	ug/L	<1			1
1,2-Dibromoethane	ug/L	<1			1
Dibromomethane	ug/L	<1			1
1,4-Dichloro-2-Butene(cis)	ug/L	<25			25
1,4-Dichloro-2-Butene(trans)	ug/L	<25			25
1,2-Dichlorobenzene	ug/L	<1			1

## Analytical Report

Bill To: North Island Laboratories  
 Report To: North Island Laboratories  
 2755B Moray Avenue  
 Courtenay, BC, Canada  
 V9N 8M9  
 Attn: Sandy Felgenhauer  
 Sampled By:  
 Company:

Project:  
 ID:  
 Name:  
 Location:  
 LSD:  
 P.O.:  
 Acct code:

Lot ID: **647584**  
 Control Number: A042655  
 Date Received: Oct 8, 2008  
 Date Reported: Oct 16, 2008  
 Report Number: 1162277

Reference Number 647584-1  
 Sample Date  
 Sample Location  
 Sample Description 69816-01  
 Matrix Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>VOC Screen - Water - Continued</b>					
1,3-Dichlorobenzene	ug/L	<1			1
1,4-Dichlorobenzene	ug/L	<1			1
1,1-Dichloroethane	ug/L	<1			1
1,2-Dichloroethane	ug/L	<1			1
1,1-Dichloroethene	ug/L	<1			1
1,2-Dichloroethene(cis)	ug/L	<1			1
1,2-Dichloroethene(trans)	ug/L	<1			1
Dichlorodifluoromethane	ug/L	<10			10
1,2-Dichloropropane	ug/L	<1			1
1,3-Dichloropropane	ug/L	<1			1
2,2-Dichloropropane	ug/L	<10			10
1,1-Dichloropropene	ug/L	<1			1
1,3-Dichloropropene(cis)	ug/L	<1			1
1,3-Dichloropropene(trans)	ug/L	<1			1
Ethylbenzene	ug/L	<1			1
Ethyl Methacrylate	ug/L	<25			25
Hexachlorobutadiene	ug/L	<1			1
Hexachloroethane	ug/L	<1			1
2-Hexanone	ug/L	<25			25
Iodomethane	ug/L	<1			1
p-Isopropyltoluene	ug/L	<1			1
Methacrylonitrile	ug/L	<25			25
Methylene Chloride	ug/L	<5			5
Methyl Methacrylate	ug/L	<25			25
4-Methyl-2-Pentanone (MIBK)	ug/L	<25			25
Methyl t-Butyl Ether	ug/L	<1			1
Naphthalene	ug/L	<5			5
Pentachloroethane	ug/L	<1			1
Propionitrile	ug/L	<25			25
iso-Propylbenzene	ug/L	<1			1
n-Propylbenzene	ug/L	<1			1
Styrene	ug/L	<1			1
1,1,1,2-Tetrachloroethane	ug/L	<1			1
1,1,1,2,2-Tetrachloroethane	ug/L	<1			1
Tetrachloroethene	ug/L	<1			1
Toluene	ug/L	<1			1
1,2,3-Trichlorobenzene	ug/L	<1			1

## Analytical Report

Bill To: North Island Laboratories  
 Report To: North Island Laboratories  
 2755B Moray Avenue  
 Courtenay, BC, Canada  
 V9N 8M9  
 Attn: Sandy Felgenhauer  
 Sampled By:  
 Company:

Project:  
 ID:  
 Name:  
 Location:  
 LSD:  
 P.O.:  
 Acct code:

Lot ID: **647584**  
 Control Number: A042655  
 Date Received: Oct 8, 2008  
 Date Reported: Oct 16, 2008  
 Report Number: 1162277

**Reference Number** 647584-1  
**Sample Date**  
**Sample Location**  
**Sample Description** 69816-01  
**Matrix** Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>VOC Screen - Water - Continued</b>					
1,2,4-Trichlorobenzene	ug/L	<1			1
1,1,1-Trichloroethane	ug/L	<1			1
1,1,2-Trichloroethane	ug/L	<1			1
Trichloroethene	ug/L	<1			1
Trichlorofluoromethane	ug/L	<1			1
1,2,3-Trichloropropane	ug/L	<1			1
1,2,4-Trimethylbenzene	ug/L	<1			1
1,3,5-Trimethylbenzene	ug/L	<1			1
Vinyl Chloride	ug/L	<2			2
Total Xylenes (m,p,o)	ug/L	<1			1
<b>VOC - Water - Surrogate Recovery</b>					
Dibromofluoromethane	EPA Surrogate %	112			86-118
Toluene-d8	EPA Surrogate %	89			85-115
Bromofluorobenzene	EPA Surrogate %	99			86-115
<b>Multiresidue Pesticides in Water</b>					
BifenoX	ug/L	<0.5			0.5
Bromopropylate	ug/L	<0.5			0.5
Butralin	ug/L	<0.5			0.5
Carboxin	ug/L	<0.5			0.5
Chinomethionate	ug/L	<0.5			0.5
Chlorbromuron	ug/L	<0.5			0.5
Chlordimeform	ug/L	<0.5			0.5
Chlorobenzilate	ug/L	<0.5			0.5
Clomazone	ug/L	<0.5			0.5
Crufomate	ug/L	<0.5			0.5
Cypermethrin	ug/L	<0.5			0.5
Cyprazine	ug/L	<0.5			0.5
Deltamethrin	ug/L	<0.5			0.5
Demeton-s-methyl	ug/L	<0.5			0.5
Dialifos	ug/L	<0.5			0.5
Dichloran	ug/L	<0.5			0.5
Dimethachlor	ug/L	<0.5			0.5
Dinitramine	ug/L	<0.5			0.5
Diphenamid	ug/L	<0.5			0.5
Ethofumesate	ug/L	<0.5			0.5
Etrimfos	ug/L	<0.5			0.5
Fenamiphos	ug/L	<0.5			0.5
Fenson	ug/L	<0.5			0.5



## Analytical Report

Bill To: North Island Laboratories  
 Report To: North Island Laboratories  
 2755B Moray Avenue  
 Courtenay, BC, Canada  
 V9N 8M9  
 Attn: Sandy Felgenhauer  
 Sampled By:  
 Company:

Project:  
 ID:  
 Name:  
 Location:  
 LSD:  
 P.O.:  
 Acct code:

Lot ID: **647584**  
 Control Number: A042655  
 Date Received: Oct 8, 2008  
 Date Reported: Oct 16, 2008  
 Report Number: 1162277

**Reference Number**      647584-1  
**Sample Date**  
**Sample Location**  
**Sample Description**      69816-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Multiresidue Pesticides in Water - Continued</b>					
Fenvalerate	ug/L	<0.5			0.5
Fluchloralin	ug/L	<0.5			0.5
Heptenophos	ug/L	<0.5			0.5
Iprodione	ug/L	<0.5			0.5
Metazachlor	ug/L	<0.5			0.5
Methamidophos	ug/L	<0.5			0.5
Methoprene	ug/L	<0.5			0.5
Myclobutanil	ug/L	<0.5			0.5
Norflurazon	ug/L	<0.5			0.5
Paraoxon	ug/L	<0.5			0.5
Pebulate	ug/L	<0.5			0.5
Propanil	ug/L	<0.5			0.5
Propargite	ug/L	<0.5			0.5
Propiconazole	ug/L	<0.5			0.5
Pyridaben	ug/L	<0.5			0.5
Tebuconazole	ug/L	<0.5			0.5
Terbacil	ug/L	<0.5			0.5
Tetramethrin	ug/L	<0.5			0.5
Triadimenol	ug/L	<0.5			0.5
Triazophos	ug/L	<0.5			0.5
Vernolate	ug/L	<0.5			0.5
<b>Organochlorine Pesticides in Water</b>					
Aldrin	ug/L	<0.1			0.1
BHC (alpha isomer)	ug/L	<0.1			0.1
BHC (beta isomer)	ug/L	<0.1			0.1
BHC (delta isomer)	ug/L	<0.1			0.1
Captan	ug/L	<0.5			0.5
Chlorbenseide	ug/L	<0.1			0.1
Chlordane-cis	ug/L	<0.1			0.1
Chlordane-trans	ug/L	<0.1			0.1
Chlorfenson	ug/L	<0.1			0.1
Chlorothalonil	ug/L	<0.5			0.5
Chlorthal-dimethyl	ug/L	<0.1			0.1
DDD-o,p'	ug/L	<0.1			0.1
DDD-p,p'	ug/L	<0.1			0.1
DDE-o,p'	ug/L	<0.1			0.1
DDE-p,p'	ug/L	<0.1			0.1
DDT-o,p'	ug/L	<0.1			0.1

## Analytical Report

Bill To: North Island Laboratories      Project:  
 Report To: North Island Laboratories      ID:  
           2755B Moray Avenue                Name:  
           Courtenay, BC, Canada          Location:  
           V9N 8M9                              LSD:  
 Attn: Sandy Felgenhauer                  P.O.:  
 Sampled By:                                  Acct code:  
 Company:

Lot ID: **647584**  
 Control Number: A042655  
 Date Received: Oct 8, 2008  
 Date Reported: Oct 16, 2008  
 Report Number: 1162277

**Reference Number**      647584-1  
**Sample Date**  
**Sample Location**  
**Sample Description**      69816-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Organochlorine Pesticides in Water - Continued</b>					
DDT-p,p'	ug/L	<0.1			0.1
Dichlofluanid	ug/L	<0.1			0.1
Dicofol	ug/L	<0.5			0.5
Dieldrin	ug/L	<0.5			0.5
Endosulfan I	ug/L	<0.1			0.1
Endosulfan II	ug/L	<0.1			0.1
Endosulfan sulfate	ug/L	<0.1			0.1
Endrin	ug/L	<0.1			0.1
Folpet	ug/L	<0.5			0.5
Heptachlor	ug/L	<0.1			0.1
Heptachlor Epoxide	ug/L	<0.1			0.1
Hexachlorobenzene	ug/L	<0.1			0.1
Lindane	ug/L	<0.1			0.1
Methoxychlor	ug/L	<0.1			0.1
Mirex	ug/L	<0.1			0.1
Nitrofen	ug/L	<0.1			0.1
Permethrin-cis	ug/L	<0.1			0.1
Permethrin-trans	ug/L	<0.1			0.1
Procymidone	ug/L	<0.1			0.1
Propachlor	ug/L	<0.1			0.1
Quintozene	ug/L	<0.1			0.1
Tecnazene	ug/L	<0.1			0.1
Tetradifon	ug/L	<0.1			0.1
Tolyfluanid	ug/L	<0.1			0.1
Triadimefon	ug/L	<0.1			0.1
Vinclozolin	ug/L	<0.1			0.1
<b>Organochlorine Pesticides -Water- Surrogate Rec.</b>					
TPP	Surrogate	%	89		50-140
<b>Organophosphate Pesticides in Water</b>					
Acephate	ug/L	<0.5			0.5
Aspon	ug/L	<0.5			0.5
Azinphos-ethyl	ug/L	<0.5			0.5
Azinphos-methyl	ug/L	<0.5			0.5
Bromophos	ug/L	<0.5			0.5
Bromophos-ethyl	ug/L	<0.5			0.5
Carbophenothion	ug/L	<0.5			0.5
Chlorfenvinphos	ug/L	<0.5			0.5
Chlormephos	ug/L	<0.5			0.5

## Analytical Report

Bill To: North Island Laboratories      Project:  
 Report To: North Island Laboratories      ID:  
           2755B Moray Avenue                Name:  
           Courtenay, BC, Canada            Location:  
           V9N 8M9                              LSD:  
 Attn: Sandy Felgenhauer                    P.O.:  
 Sampled By:                                  Acct code:  
 Company:

Lot ID: **647584**  
 Control Number: A042655  
 Date Received: Oct 8, 2008  
 Date Reported: Oct 16, 2008  
 Report Number: 1162277

**Reference Number**      647584-1  
**Sample Date**  
**Sample Location**  
**Sample Description**      69816-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Organophosphate Pesticides in Water - Continued</b>					
Chlorpyrifos	ug/L	<0.5			0.5
Chlorpyrifos-methyl	ug/L	<0.5			0.5
Chlorthiophos	ug/L	<0.5			0.5
Cyanophos	ug/L	<0.5			0.5
Demeton	ug/L	<0.5			0.5
Diazinon	ug/L	<0.5			0.5
Dichlofenthion	ug/L	<0.5			0.5
Dichlorvos	ug/L	<0.5			0.5
Dicrotophos	ug/L	<0.5			0.5
Dimethoate	ug/L	<0.5			0.5
Disulfoton	ug/L	<0.5			0.5
EPN	ug/L	<0.5			0.5
Ethion	ug/L	<0.5			0.5
Fenclorphos	ug/L	<0.5			0.5
Fenitrothion	ug/L	<0.5			0.5
Fenthion	ug/L	<0.5			0.5
Fonofos	ug/L	<0.5			0.5
Isofenphos	ug/L	<0.5			0.5
Malaoxon	ug/L	<0.5			0.5
Malathion	ug/L	<0.5			0.5
Methyl Parathion	ug/L	<0.5			0.5
Mevinphos	ug/L	<0.5			0.5
Omethoate	ug/L	<0.5			0.5
Parathion	ug/L	<0.5			0.5
Phorate	ug/L	<0.5			0.5
Phosalone	ug/L	<0.5			0.5
Phosmet	ug/L	<0.5			0.5
Phosphamidon	ug/L	<0.5			0.5
Pirimiphos-ethyl	ug/L	<0.5			0.5
Pirimiphos-methyl	ug/L	<0.5			0.5
Profenofos	ug/L	<0.5			0.5
Pyrazophos	ug/L	<0.5			0.5
Quinalophos	ug/L	<0.5			0.5
Sulfotep	ug/L	<0.5			0.5
Terbufos	ug/L	<0.5			0.5
Tetrachlorvinphos	ug/L	<0.5			0.5
<b>Organophosphate Pesticides -Water- Surrogate Rec.</b>					
TPP	Surrogate	%	89		50-140

## Analytical Report

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 2755B Moray Avenue  
 Courtenay, BC, Canada  
 V9N 8M9  
 Attn: Sandy Felgenhauer  
 Sampled By:  
 Company:

Project:  
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 P.O.:  
 Acct code:

Lot ID: **647584**  
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**Reference Number**      647584-1  
**Sample Date**  
**Sample Location**  
**Sample Description**      69816-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Acid Herbicides in Water</b>					
2,4,5-T	ug/L	<0.1			0.1
2,4,5-TP	ug/L	<0.1			0.1
2,4-D	ug/L	<0.1			0.1
2,4-DB	ug/L	<0.1			0.1
Bromoxynil	ug/L	<0.1			0.1
Clopyralid	ug/L	<0.1			0.1
Dicamba	ug/L	<0.1			0.1
Dichlorprop	ug/L	<0.1			0.1
Dinoseb	ug/L	<0.1			0.1
Imazamox	ug/L	<0.1			0.1
Imazapyr	ug/L	<0.1			0.1
Imazethapyr	ug/L	<0.1			0.1
MCPA	ug/L	<0.1			0.1
MCPB	ug/L	<0.1			0.1
Mecoprop	ug/L	<0.1			0.1
Picloram	ug/L	<0.1			0.1
Triclopyr	ug/L	<0.1			0.1
<b>Acid Herbicides - Water - Surrogate Recovery</b>					
2,4-DCPA	Surrogate	%	94		30-120
<b>Neutral Herbicides in Water</b>					
Alachlor	ug/L	<0.5			0.5
Atrazine	ug/L	<0.5			0.5
Benfluralin	ug/L	<0.5			0.5
Butylate	ug/L	<0.5			0.5
Chlorpropham	ug/L	<0.5			0.5
Cyanazine	ug/L	<0.5			0.5
Desethyl Atrazine	ug/L	<0.5			0.5
Desmetryn	ug/L	<0.5			0.5
Diallate	ug/L	<0.5			0.5
Dichlobenil	ug/L	<0.5			0.5
Diclofop-methyl	ug/L	<0.5			0.5
Diphenylamine	ug/L	<0.5			0.5
Eptam (EPTC)	ug/L	<0.5			0.5
Ethalfuralin	ug/L	<0.5			0.5
Fenoxaprop-ethyl	ug/L	<0.5			0.5
Fluazifop-p-butyl	ug/L	<0.5			0.5
Hexazinone	ug/L	<0.5			0.5
Metalaxyl	ug/L	<0.5			0.5

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 2755B Moray Avenue  
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**Reference Number**      647584-1  
**Sample Date**  
**Sample Location**  
**Sample Description**      69816-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Neutral Herbicides in Water - Continued</b>					
Metolachlor	ug/L	<0.5			0.5
Metribuzin	ug/L	<0.5			0.5
Pirimicarb	ug/L	<0.5			0.5
Profluralin	ug/L	<0.5			0.5
Prometryn	ug/L	<0.5			0.5
Propazine	ug/L	<0.5			0.5
Propyzamide	ug/L	<0.5			0.5
Quizalofop-ethyl	ug/L	<0.5			0.5
Simazine	ug/L	<0.5			0.5
Simetryn	ug/L	<0.5			0.5
Terbuthylazine	ug/L	<0.5			0.5
Terbutryn	ug/L	<0.5			0.5
Triallate	ug/L	<0.5			0.5
Trifluralin	ug/L	<0.5			0.5
<b>Neutral Herbicides - Water - Surrogate Recovery</b>					
TPP	Surrogate	%	89		50-140
<b>Carbamates in Water</b>					
3-Hydroxycarbofuran	ug/L	<0.02			0.02
Aldicarb	ug/L	<0.02			0.02
Aldicarb sulfone	ug/L	<0.02			0.02
Aldicarb sulfoxide	ug/L	<0.02			0.02
Bendiocarb	ug/L	<0.02			0.02
BPMC	ug/L	<0.02			0.02
Carbaryl	ug/L	<0.02			0.02
Carbofuran	ug/L	<0.02			0.02
Imidacloprid	ug/L	<0.02			0.02
Methiocarb	ug/L	<0.02			0.02
Methomyl	ug/L	<0.02			0.02
Oxamyl	ug/L	<0.02			0.02
Promecarb	ug/L	<0.02			0.02
Propoxur	ug/L	<0.02			0.02
<b>Glyphosate in Water</b>					
Glyphosate	ug/L	<10			10
AMPA	ug/L	<10			10

## Analytical Report

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Approved by:   
Andrew Garrard, BSc  
Operations Manager

**Methodology and Notes**

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**Method of Analysis**

Method Name	Reference	Method	Date Analysis Started	Location
Acid Herbicides - Water	USGS	* Determination of Pesticides in Water by Graphitized Carbon-Based SPE & HPLC/MS, O-2060-1	10-Oct-08	BTG Calgary
Ammonia-N in Water	APHA	* Titrametric, 4500-NH3 C	10-Oct-08	BTG Surrey
Carbamates - Water	US EPA	* N-methylcarbamates by High Performance Liquid Chromatography (HPLC), 8318	10-Oct-08	BTG Calgary
Colour (Apparent) in water	APHA	* Visual Comparison Method, 2120 B	09-Oct-08	BTG Surrey
EPH - Water	BCELM	* Extractable Petroleum Hydrocarbons (EPH) in Water by GC/FID, EPH Water	11-Oct-08	BTG Surrey
FV2 Pesticides - Water	JAOAC	* Multi-Res Determination of Pesticides in FV by GC-MSD & LC, vol78	10-Oct-08	BTG Calgary
Glyphosate - Water	JAOAC	* Liquid Chromatography/Electrospray Ionization/Isotopic ... Mass Spectrometry Analysis of Aminomethyl Phosphonic Acid in Environmental Water and Vegetation Matrixes, JAOAC	09-Oct-08	BTG Calgary
Mercury Low Level (Total) in water	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	10-Oct-08	BTG Surrey
Metals SemiTrace (Total) in Liquids (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010B	08-Oct-08	BTG Surrey
Neutral Herbicides - Water	US EPA	* OC Pesticides by Gas Chromatography, 8081A	10-Oct-08	BTG Calgary
Organochlorine Pesticides - Water	US EPA	* OC Pesticides by Gas Chromatography, 8081A	10-Oct-08	BTG Calgary
Organophosphate Pesticides - Water	US EPA	* OP Compounds by Gas Chromatography: Capillary Column Techniq, 8141A	10-Oct-08	BTG Calgary
PAH - Water (Surrey)	BCELM	* Polycyclic Aromatic Hydrocarbons in Water by GC/MS - PBM, PAH Water	11-Oct-08	BTG Surrey
PCB - Water	US EPA	* US EPA method, 8082	11-Oct-08	BTG Calgary
pH in water (Surrey)	APHA	* Electrometric Method, 4500-H+ B	09-Oct-08	BTG Surrey
Solids Dissolved (Total, Fixed and Volatile) <sup>2</sup>	APHA	* Total Solids Dried at 103-105°C, 2540 B	10-Oct-08	BTG Surrey
Trace Metals (Total) in Water	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	08-Oct-08	BTG Surrey
Trace Metals (Total) in Water	US EPA	* Metals & Trace Elements by ICP-AES, 6010B	08-Oct-08	BTG Surrey
VOC - Water	US EPA	* US EPA method, 8260B/5030B	10-Oct-08	BTG Calgary

\* Bodycote method(s) based on reference method

**Methodology and Notes**

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V9N 8M9  
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**References**

APHA	Standard Methods for the Examination of Water and Wastewater
BCELM	B.C. Environmental Laboratory Manual
EPA	Environmental Protection Agency Test Methods - US
JAOAC	J. Assoc. Off. Anal. Chem.
US EPA	US Environmental Protection Agency Test Methods
USGS	U.S. Geological Survey National Water Quality Laboratory

**Comments:**

- This report was re-issued to include missing Sodium analysis. Report 1162277 replaces original report 1158750

Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

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