

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: **673791**  
Approval Status: Approved  
Invoice Frequency: by Lot  
COD Status:  
Control Number: A042632/1  
Date Received: Mar 20, 2009  
Date Reported: Apr 1, 2009  
Report Number: 1203269

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Contact & Affiliation	Address	Delivery Commitments
Sandy Felgenhauer North Island Laboratories	2755B Moray Avenue Courtenay, British Columbia V9N 8M9 Phone: (250) 338-7786 Fax: (250) 338-7553 Email: nilabs@telus.net	On [Lot Verification] send (COA) by Email - Multiple Reports On [Report Approval] send (COC, Test Report) by Email - Merge Reports On [Report Approval] send (Test Report) by Email - Single Report On [Report Approval] send (COC, Test Report) by Email - Merge Reports On [Report Approval] send (Test Report) by Email - Single Report On [Lot Approval and Final Test Report Approval] send (COC, Test Report, Invoice, Test Report) by Post

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**Notes To Clients:**

- Report re-issued to put sample 17 on its own report.

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**Sample Disposal Date: April 29, 2009**

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

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**Reference Number**      673791-17  
**Sample Date**  
**Sample Time**  
**Sample Location**  
**Sample Description**      72415-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Inorganic Nonmetallic Parameters</b>					
Ammonia - N	mg/L	0.01			
<b>Metals Dissolved</b>					
Aluminum	Dissolved mg/L	<0.005			0.005
Antimony	Dissolved mg/L	<0.0002			0.0002
Arsenic	Dissolved mg/L	<0.0002			0.0002
Barium	Dissolved mg/L	0.002			0.001
Beryllium	Dissolved mg/L	<0.00004			0.00004
Bismuth	Dissolved mg/L	<0.0001			0.0001
Boron	Dissolved mg/L	<0.004			0.004
Cadmium	Dissolved mg/L	<0.00001			0.00001
Chromium	Dissolved mg/L	0.0007			0.0004
Cobalt	Dissolved mg/L	<0.00002			0.00002
Copper	Dissolved mg/L	<0.001			0.001
Iron	Dissolved mg/L	<0.01			0.01
Lead	Dissolved mg/L	0.0005			0.0001
Lithium	Dissolved mg/L	<0.001			0.001
Manganese	Dissolved mg/L	<0.0001			0.0001
Molybdenum	Dissolved mg/L	<0.00002			0.00002
Nickel	Dissolved mg/L	<0.001			0.001
Selenium	Dissolved mg/L	<0.0006			0.0006
Silver	Dissolved mg/L	<0.00001			0.00001
Strontium	Dissolved mg/L	0.035			0.001
Sulfur	Dissolved mg/L	0.3			0.1
Tellurium	Dissolved mg/L	<0.0001			0.0001
Thallium	Dissolved mg/L	<0.00001			0.00001
Thorium	Dissolved mg/L	<0.0001			0.0001
Tin	Dissolved mg/L	<0.0001			0.0001
Titanium	Dissolved mg/L	0.0007			0.0001
Uranium	Dissolved mg/L	<0.0004			0.0004
Vanadium	Dissolved mg/L	0.00200			0.00004
Zinc	Dissolved mg/L	0.009			0.001
Zirconium	Dissolved mg/L	<0.0001			0.0001
<b>Metals Total</b>					
Mercury	Total ug/L	<0.01			0.01
Aluminum	Total mg/L	<0.005			0.005
Antimony	Total mg/L	<0.0002			0.0002
Arsenic	Total mg/L	<0.0002			0.0002

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**Reference Number** 673791-17  
**Sample Date**  
**Sample Time**  
**Sample Location**  
**Sample Description** 72415-01  
**Matrix** Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Metals Total - Continued</b>					
Barium	Total	mg/L	0.002		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
Calcium	Total	mg/L	16.9		0.05
Chromium	Total	mg/L	0.0005		0.0004
Cobalt	Total	mg/L	<0.00002		0.00002
Copper	Total	mg/L	<0.001		0.001
Iron	Total	mg/L	<0.01		0.01
Lead	Total	mg/L	0.0007		0.0001
Lithium	Total	mg/L	<0.001		0.001
Magnesium	Total	mg/L	2.26		0.05
Manganese	Total	mg/L	<0.0001		0.0001
Molybdenum	Total	mg/L	0.00004		0.00002
Nickel	Total	mg/L	<0.001		0.001
Phosphorus	Total	mg/L	0.021		0.01
Potassium	Total	mg/L	0.5		0.1
Selenium	Total	mg/L	<0.0006		0.0006
Silicon	Total	mg/L	10.4		0.05
Silver	Total	mg/L	<0.00001		0.00001
Sodium	Total	mg/L	2.98		0.02
Strontium	Total	mg/L	0.031		0.001
Sulfur	Total	mg/L	0.3		0.1
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	<0.0001		0.0001
Titanium	Total	mg/L	0.0006		0.0001
Uranium	Total	mg/L	<0.0004		0.0004
Vanadium	Total	mg/L	0.00186		0.00004
Zinc	Total	mg/L	0.01		0.001
Zirconium	Total	mg/L	<0.0001		0.0001
<b>Physical and Aggregate Properties</b>					
Colour	Apparent	Colour units	<5		5
Solids	Total Dissolved	mg/L	108		5

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**Sample Description**      72415-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Routine Water</b>					
pH	@ 25 °C	pH	7.92		
Calcium	Dissolved	mg/L	15.0		0.05
Magnesium	Dissolved	mg/L	1.87		0.05
Phosphorus	Dissolved	mg/L	<0.01		0.01
Potassium	Dissolved	mg/L	0.3		0.1
Silicon	Dissolved	mg/L	13.7		0.05
Sodium	Dissolved	mg/L	2.7		0.02
Chloride	Dissolved	mg/L	2.06		0.02
Fluoride	Dissolved	mg/L	0.07		0.01
Nitrate - N	Dissolved	mg/L	0.11		0.01
Nitrite - N	Dissolved	mg/L	<0.01		0.01
Sulfate (SO <sub>4</sub> )	Dissolved	mg/L	0.71		0.05
Hardness	as CaCO <sub>3</sub>	mg/L	45		5
<b>Extractable Petroleum Hydrocarbons - Water</b>					
EPHw10-19		ug/L	<100		100
EPHw19-32		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	0.04		0.02
<b>PAH - Water - Surrogate Recovery</b>					
2-Fluorobiphenyl	PAH - Surrogate	%	79		30-130
Nitrobenzene-d5	PAH - Surrogate	%	79		23-130

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**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>PAH - Water - Surrogate Recovery - Continued</b>					
p-Terphenyl-d14      PAH - Surrogate	%	78			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
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	%	51			50-150
<b>VOC Screen - Water</b>					
Benzene	ug/L	<1			1
Bromodichloromethane	ug/L	<1			1
Bromoform	ug/L	<1			1
Bromomethane	ug/L	<10			10
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
Dibromochloromethane	ug/L	<1			1
1,2-Dichlorobenzene	ug/L	<1			1
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
1,1,1-Dichloroethene	ug/L	<1			1
1,2-Dichloroethene(cis)	ug/L	<1			1
1,2-Dichloroethene(trans)	ug/L	<1			1
1,2-Dichloropropane	ug/L	<1			1
1,3-Dichloropropene(cis)	ug/L	<1			1
1,3-Dichloropropene(trans)	ug/L	<1			1

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**Matrix** Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>VOC Screen - Water - Continued</b>					
Ethylbenzene	ug/L	<1			1
Methylene Chloride	ug/L	<5			5
Styrene	ug/L	<1			1
1,1,2,2-Tetrachloroethane	ug/L	<1			1
Tetrachloroethene	ug/L	<1			1
Toluene	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
Vinyl Chloride	ug/L	<2			2
Total Xylenes (m,p,o)	ug/L	<1			1
<b>VOC - Water - Surrogate Recovery</b>					
Dibromofluoromethane	EPA Surrogate %	98			86-118
Toluene-d8	EPA Surrogate %	102			85-115
Bromofluorobenzene	EPA Surrogate %	94			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

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**Sample Description**      72415-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Multiresidue Pesticides in Water - Continued</b>					
Etrinfos	ug/L	<0.5			0.5
Fenamiphos	ug/L	<0.5			0.5
Fenson	ug/L	<0.5			0.5
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



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**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Organochlorine Pesticides in Water - Continued</b>					
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
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	%	88		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

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 Report Number: 1203269

**Reference Number**      673791-17  
**Sample Date**  
**Sample Time**  
**Sample Location**  
**Sample Description**      72415-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Organophosphate Pesticides in Water - Continued</b>					
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
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
Fenchlorphos	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

## 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: **673791**  
 Control Number: A042632/1  
 Date Received: Mar 20, 2009  
 Date Reported: Apr 1, 2009  
 Report Number: 1203269

<b>Reference Number</b>	673791-17
<b>Sample Date</b>	
<b>Sample Time</b>	
<b>Sample Location</b>	
<b>Sample Description</b>	72415-01
<b>Matrix</b>	Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Organophosphate Pesticides in Water - Continued</b>					
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 %	88			50-140
<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 %	97			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

## 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: **673791**  
 Control Number: A042632/1  
 Date Received: Mar 20, 2009  
 Date Reported: Apr 1, 2009  
 Report Number: 1203269

**Reference Number**      673791-17  
**Sample Date**  
**Sample Time**  
**Sample Location**  
**Sample Description**      72415-01  
**Matrix**                      Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Neutral Herbicides in Water - Continued</b>					
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
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	%	88		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

**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: **673791**  
 Control Number: A042632/1  
 Date Received: Mar 20, 2009  
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**Reference Number** 673791-17  
**Sample Date**  
**Sample Time**  
**Sample Location**  
**Sample Description** 72415-01  
**Matrix** Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Carbamates in Water - Continued</b>					
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

Approved by:   
 Andrew Garrard, BSc  
 General 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	23-Mar-09	BTG Calgary
Ammonia-N in Water	APHA	* Titrametric, 4500-NH3 C	24-Mar-09	BTG Surrey
Anions by IEC in water (Surrey)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	23-Mar-09	BTG Surrey
Carbamates - Water	US EPA	* N-methylcarbamates by High Performance Liquid Chromatography (HPLC), 8318	23-Mar-09	BTG Calgary
Colour (Apparent) in water	APHA	* Visual Comparison Method, 2120 B	23-Mar-09	BTG Surrey
EPH - Water	BCELM	* Extractable Petroleum Hydrocarbons (EPH) in Water by GC/FID, EPH Water	20-Mar-09	BTG Surrey
FV2 Pesticides - Water	JAOAC	* Multi-Res Determination of Pesticides in FV by GC-MSD & LC, vol78	23-Mar-09	BTG Calgary
Glyphosate - Water	JAOAC	* Liquid Chromatography/Electrospray Ionization/Isotopic ... Mass Spectrometry Analysis of Aminomethyl Phosphonic Acid in Environmental Water and Vegetation Matrixes, JAOAC	25-Mar-09	BTG Calgary
Mercury Low Level (Total) in water	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	23-Mar-09	BTG Surrey
Metals SemiTrace (Dissolved) in water	US EPA	* Metals & Trace Elements by ICP-AES, 6010B	24-Mar-09	BTG Surrey
Metals SemiTrace (Total) in Water	US EPA	* Metals & Trace Elements by ICP-AES, 6010B	20-Mar-09	BTG Surrey
Neutral Herbicides - Water	US EPA	* OC Pesticides by Gas Chromatography, 8081B	23-Mar-09	BTG Calgary
Organochlorine Pesticides - Water	US EPA	* OC Pesticides by Gas Chromatography, 8081B	23-Mar-09	BTG Calgary
Organophosphate Pesticides - Water	US EPA	* OP Compounds by Gas Chromatography: Capillary Column Techniq, 8141A	23-Mar-09	BTG Calgary
PAH - Water (Surrey)	BCELM	* Polycyclic Aromatic Hydrocarbons in Water by GC/MS - PBM, PAH Water	20-Mar-09	BTG Surrey
PCB - Water	US EPA	* Biological US Method, 8082A	26-Mar-09	BTG Calgary
pH in water (Surrey)	APHA	* Electrometric Method, 4500-H+ B	23-Mar-09	BTG Surrey
Solids Dissolved (Total, Fixed and Volatile) <sup>2</sup>	APHA	* Total Dissolved Solids Dried at 180 C, 2540 C	24-Mar-09	BTG Surrey
Trace Metals (dissolved) in Water	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	24-Mar-09	BTG Surrey
Trace Metals (dissolved) in Water	US EPA	* Metals & Trace Elements by ICP-AES, 6010B	24-Mar-09	BTG Surrey

## Methodology and Notes

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Method Name	Reference	Method	Date Analysis Started	Location
Trace Metals (Total) in Water	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	20-Mar-09	BTG Surrey
Trace Metals (Total) in Water	US EPA	* Metals & Trace Elements by ICP-AES, 6010B	20-Mar-09	BTG Surrey
VOC - Water	US EPA	* US EPA method, 8260B/5030B	23-Mar-09	BTG Calgary

*\* Bodycote method(s) based on reference method*

### References

APHA	Standard Methods for the Examination of Water and Wastewater
B.C.M.O.E	B.C. Ministry of Environment
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:

- Report re-issued to put sample 17 on its own report.

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

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

No Chain of Custody Available.