

**ASSESSMENT STUDY OF
WATER AND WASTEWATER SYSTEMS
AND ASSOCIATED
WATER MANAGEMENT PRACTICES
AT RED BLUFF FIRST NATION**

**A
REPORT
TO
INDIAN AND NORTHERN AFFAIRS CANADA
BC REGION**

** NovaTec Consultants Inc.
*Environmental Engineers and Scientists***

Appendix C

Water Testing Results

	hatak0	location	date	gen.bact	t.colif	f.colif	treatm	sampler
1		BT, CS	01/13/00	4	0	0		2.00
2	D.C.Store	KT, CS	01/13/00	6	6	6		2.00
3		KT, CS	01/13/00	4	0	0		2.00
4	Band Office	BT, CS	01/13/00	0	0	0		2.00
s.19(1) 5		KT, CS	01/13/00	0	0	0		2.00
6	Band Office	Bathroom Tap	01/20/00	0	0	0		1.00
7	Band Office	BT, CS	03/02/00	3323	0	0		1.00
8	Band Office	Water Cooler	03/02/00	52	0	0		1.00
9	Band Office	BT, CS	04/06/00	70	0	0		1.00
10		KT, CS	04/05/00	6	0	0		2.00
11		KT, CS	04/05/00	0	0	0		2.00
12		BT, CS	04/05/00	0	0	0		2.00
13		KT, CS	04/05/00	0	0	0		2.00
14		KT, PW	04/05/00		3000	4583		2.00
15	4 Plex	KT, CS	04/19/00	0	0	0		2.00
16		KT, CS	04/19/00	0	0	0		2.00
17		KT, CS	04/19/00	3000	0	0		2.00
18		KT, PW	04/19/00	696	8	0		2.00
19		BT, PW	04/19/00	0	0	0		
20	Band Office	BT, CS	05/03/00	0	0	0		2.00

s.19(1)

	lhatako	location	date	gen.bact	t.colif	f.colif	treatm	sampler
21		KT, PW	05/03/00	6	0	0	.	2.00
22		Pumphouse PW	05/03/00	0	0	0	.	2.00
23		KT	05/03/00	0	0	0	.	2.00
24		West Quesnel	05/03/00	12	0	0	.	2.00
25		KT, CS	05/03/00	0	0	0	.	2.00
26		KT, CS	05/03/00	4	0	0	.	2.00
27		T, CS	06/26/00	3162	0	0	.	2.00
28	Store	BT, CS	06/26/00	4	0	0	.	2.00
29		KT, PW	06/26/00	3000	0	0	.	2.00
30	4 Plex #4	KT, CS	06/26/00	576	0	0	.	2.00
31		KT, PW	06/26/00	3000	0	0	.	2.00
32		KT, CS	06/26/00	2	0	0	.	2.00
33		Private Water	07/24/00	0	0	0	.	2.00
34		KT, CS	07/31/00	3000	528	8	.	2.00
35		KT, CS	07/31/00	0	0	0	.	2.00
36		KT, CS	07/31/00	0	0	0	.	2.00
37		KT	07/31/00	.	3000	366	.	2.00
38		KT	07/31/00	0	0	0	.	2.00
39		KT	07/31/00	8894	0	0	.	2.00

	hatako	location	date	gen.bact	t.colif	f.colif	treatm	sampler
1		KT, CS	01/23/01	0	0	0		2.00
2		KT, CS	01/23/01	2	0	0		2.00
3		KT, CS	01/23/01		3000	3000		2.00
s.19(1)		KT, CS	01/23/01	50	4	0		2.00
5	Band Office	Men's BT	01/23/01	0	0	0		2.00
6	Unit #1 4 Plex	KT, CS	01/23/01	0	0	0		2.00
7		KT, CS	01/23/01	0	0	0		2.00
8		KT, PW	01/23/01	0	0	0		2.00
9		KT, PW	01/23/01	0	0	0		2.00
10		KT, PW	01/23/01	774	0	0		2.00
11		KT, PW	01/23/01	0	0	0		2.00
12		KT, PW	01/23/01	858	0	0		2.00
13	Band Office	Com.GW System	06/07/01	0	0	0		1.00

	lhatacho	location	date	gen.bact	t.coif	fecal.c	treatm	sampler
1	Band Office GW	CS, Untreated	02/20/02	0	0	0	.	1.00
s.19(1)		Untreated	02/20/02	2	0	0	.	1.00
3	Band Office, CS	GW Untreated	09/12/02	0	0	0	.	



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Certificate of Analysis

8577 Commerce Court
Burnaby, B.C.
Canada V5A 4N5
Tel 604 444 4808
Fax 604 444 4511

Reported To :

HEALTH CANADA

Client Code CE

220 - 177 VICTORIA STREET
PRINCE GEORGE, BC
V2L 5R8

Phone : (250) 561-5384
FAX : (250) 564-3272

Project Information :

Project ID : LHATACHO-BAND OFFICE
Submitted By: I.BAIRD

Requisition Forms :

Form 08098476 logged on 25-Feb-02 completed on 3-Mar-02

Remarks :

- + All organic data is blank corrected except for PCDD/F, Hi-res MS and CLP volatile analyses
- + 'MDL' = Method Detection Limit, '<' = Less than MDL, '---' = Not analyzed
- + 'CDWG' = Canadian Drinking Water Guidelines
- + Solids results are based on dry weight except Biota Analyses & Special Waste Oil & Grease
- + Organic analyses are not corrected for extraction recovery standards except for Isotope Dilution methods, (i.e. CARB 429 PAH, all PCDD/F and DBD/DBF analyses)
- + All Groundwater samples except BTEX/VOC's or Purgeable Hydrocarbons are decanted and/or filtered prior to analysis unless otherwise mandated by regulatory agency
- + This report shall not be reproduced except in full, without the written approval of the laboratory

Methods used by Philip are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', 20th Edition, published by the American Public Health Association, or in US EPA protocols found in the 'Test Methods For Evaluating Solid Waste, Physical/Chemical Method, SW846', 3rd Edition. Other procedures are based on methodologies accepted by the appropriate regulatory agency. Methodology briefs are available by written request.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Liability for any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at Philip for a period of 30 days from receipt of data or as per contract.

PHILIP Project Manager: James Teshima

px

James Teshima

Post-It Fax Note	7671E	Date	24/04/02	# of pages	2
To	Martin Vogel	From	Baird		
Co / Dept	Nova Rec.	Co.			
Phone #		Phone #	561-5378		
Fax #	250-391-9210	Fax #			



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ANALYTICAL REPORT
Form 08098476

Client : HEALTH CANADA
Project : LHATACHO-BAND OFFICE
Sampling site :
Submitted by : J. BAIRD

Philip ID : 12010418
Client ID : LHATACHO

Sparcode	Parameter	Unit	MDL	CDWG	
PHYSICAL					
00041220	pH	pH units	0.1	6.5-8.5	8.2
00021300	Color True	Col.Unit	5	15	< 5
00111160	Specific Conductance	uS/cm	1	---	672
SCCASCALC	Computed Conductance	uS/cm		---	770
CCPDCALC	Conductance % Diff.	%		---	13.6
00081071	Residue Nonfilterable (TSS)	mg/L	4	---	< 4
007H1035	Residue Filterable 1.0u (TDS)	mg/L	10	500	394
CTDSCALC	Computed TDS	mg/L		---	379
TDSRCALC	TDS % Diff.	%		---	-3.8
00151140	Turbidity	NTU	0.10	1.0	0.42
0107CALC	Hardness Total -T	mg/L		500	384
GENERAL INORGANICS					
01011211	Alkalinity Phen. 8.3 as CaCO3	mg/L	1	---	< 1
01021210	Alkalinity Total as CaCO3	mg/L	1	---	402
CO3-CALC	Carbonate as CO3=	mg/L		---	< 0.5
HCO3CALC	Bicarbonate as HCO3-	mg/L		---	490
OH--CALC	Hydroxide as OH-	mg/L		---	< 0.5
2105AA04	Cyanide(SAD) + Thiocyanate	mg/L	0.0005	0.2	< 0.0005
0125LLHS	Sulfide Total	mg/L	0.005	0.05	< 0.005
ANIONS					
11041334	Chloride Dissolved	mg/L	0.5	< 250	1.5
11061341	Fluoride Dissolved	mg/L	0.01	1.5	0.12
IonBCALC	Ion Balance	%		---	0.6
AnnsCALC	Total Anions	meq/L		---	8.24
CinsCALC	Total Cations	meq/L		---	8.35
LangCALC	Langelier Index	pH units		---	1.0
pHSACALC	Saturation pH	pH units		---	7.2
CARBON					
01030912	Organic Carbon - Total	mg/L	0.5	---	0.5

Matrix : Water
Sampled on: 02/02/20 10:20

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ANALYTICAL REPORT
Form 08098476

Client : HEALTH CANADA
Project : LHATACHO-BAND OFFICE
Sampling site :
Submitted by : I.BAIRD

Philip ID : 12010418
Client ID : LHATACHO

Sparcode	Parameter	Unit	MDL	CDWG	
NITROGEN					
11081351	Ammonia Nitrogen (N)	mg/L	0.005	---	< 0.005
1110CALC	Nitrate Nitrogen Dissolved (N)	mg/L		10.0	0.06
11091350	Nitrate + Nitrite (N)	mg/L	0.02	10.0	0.06
11111354	Nitrite Nitrogen (N)	mg/L	0.005	1.0	< 0.005
SULFATE					
11211405	Sulfate	mg/L	0.5	< 500	7.3
METALS TOTAL					
Al-T0031	Aluminum	mg/L	0.02	---	< 0.02
As-TMS31	Arsenic	mg/L	0.001	0.025	0.009
Ba-T0031	Barium	mg/L	0.001	1.0	0.031
B--T0031	Boron	mg/L	0.008	5.0	0.013
Cd-T0031	Cadmium	mg/L	0.002	0.005	< 0.002
Ca-T0031	Calcium	mg/L	0.05	---	46.4
Cr-T0031	Chromium	mg/L	0.002	0.05	< 0.002
Co-T0031	Cobalt	mg/L	0.003	---	< 0.003
Cu-T0031	Copper	mg/L	0.001	1.0	0.223
Fe-T0031	Iron	mg/L	0.005	0.3	0.030
Pb-TMS31	Lead	mg/L	0.001	0.01	< 0.001
Mg-T0031	Magnesium	mg/L	0.05	---	65.0
Mn-T0031	Manganese	mg/L	0.001	0.05	0.029
Hg-T0310	Mercury	mg/L	0.00005	0.001	< 0.00005
Mo-T0031	Molybdenum	mg/L	0.005	---	< 0.005
Ni-T0031	Nickel	mg/L	0.008	---	< 0.008
K_T0031	Potassium	mg/L	0.4	---	4.6
Se-TMS31	Selenium	mg/L	0.001	0.01	< 0.001
Ag-T0031	Silver	mg/L	0.01	---	< 0.01
Na_T0031	Sodium	mg/L	0.05	200	12.9
U--TLLMS	Uranium	mg/L	0.00001	0.1	0.00332
V--T0031	Vanadium	mg/L	0.003	---	< 0.003
Zn-T0031	Zinc	mg/L	0.002	5.0	0.017

Matrix : Water
Sampled on: 02/02/20 10:20

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ANALYTICAL REPORT
Form 08098476

Client : HEALTH CANADA
Project : LHATACHO-BAND OFFICE
Sampling site :
Submitted by : I.BAIRD

Philip ID : 12010418
Client ID : LHATACHO

Sparcode	Parameter	Unit	MDL	CDWG	
CHLORINATED PHENOLS					
EX9946Z7	Water Prep for CPs	date			02/02/26
MCP2CPWA	2-chlorophenol	mg/L	0.001	---	< 0.001
MCP3CPWA	3-chlorophenol	mg/L	0.001	---	< 0.001
MCP4CPWA	4-chlorophenol	mg/L	0.001	---	< 0.001
CPE1CPWA	2,3-Dichlorophenol	mg/L	0.0001	---	< 0.0001
CPH1CPWA	2,4+3,4-DiClPhenol	mg/L	0.0001	---	< 0.0001
CPH2CPWA	2,5-Dichlorophenol	mg/L	0.0001	---	< 0.0001
CP09CPWA	2,6-Dichlorophenol	mg/L	0.0001	---	< 0.0001
CPE3CPWA	3,5-Dichlorophenol	mg/L	0.0001	---	< 0.0001
CP03CPWA	2,3,4-Trichlorophenol	mg/L	0.0001	---	< 0.0001
CP04CPWA	2,3,5-Trichlorophenol	mg/L	0.0001	---	< 0.0001
CP05CPWA	2,3,6-Trichlorophenol	mg/L	0.0001	---	< 0.0001
CP06CPWA	2,4,5-Trichlorophenol	mg/L	0.0001	---	< 0.0001
CP07CPWA	2,4,6-Trichlorophenol	mg/L	0.0001	---	< 0.0001
CP44CPWA	3,4,5-Trichlorophenol	mg/L	0.0001	---	< 0.0001
CP02CPWA	2,3,4,5-Tetrachlorophenol	mg/L	0.0001	---	< 0.0001
CP01CPWA	2346+2356-TeClPhenol	mg/L	0.0001	---	< 0.0001
P022CPWA	Pentachlorophenol	mg/L	0.0001	---	< 0.0001
SURROGATE RECOVERY					
DC01SURR	CL2 Phenylaceticacid	%		---	84
BR3-CPWA	Tribromophenol	%	40	---	101
HYDROCARBONS					
H099PT11	VH C6-C10	mg/L	0.1	---	< 0.1
EX995172	Volat. Wat. Pre-Scr.	date			02/02/26
H097CALC	VPHw	mg/L		---	< 0.1
POLYCYCLIC AROMATIC HYDROCARBONS					
EX9946Z4	PAH Extraction-Water	date			02/02/27
PA05MW02	Benzo(a)pyrene	mg/L	0.00001	0.00001	< 0.00001
				Matrix :	Water
				Sampled on:	02/02/20 10:20

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Client : HEALTH CANADA
 Project : LHATACHO-BAND OFFICE
 Sampling site :
 Submitted by : I.BAIRD

Philip ID : 12010418
 Client ID : LHATACHO

Sparcode	Parameter	Unit	MDL	CDWG	
VOLATILE ORGANICS-MAH					
B020MS11	Benzene	ug/L	0.5	5.0	< 0.5
V919MS11	Chlorobenzene	ug/L	0.5	80.0	< 0.5
V924MS11	1,2-Dichlorobenzene	ug/L	0.5	200.0	< 0.5
V925MS11	1,3-Dichlorobenzene	ug/L	0.3	---	< 0.3
V926MS11	1,4-Dichlorobenzene	ug/L	0.4	5.0	< 0.4
B021MS11	Ethylbenzene	ug/L	0.5	---	< 0.5
V921MS11	Styrene	ug/L	0.4	---	< 0.4
T001MS11	Toluene	ug/L	0.5	24.0	< 0.5
X_8842_5	Xylenes	ug/L	0.5	300.0	< 0.5
X003MS11	m,p - Xylene	ug/L	0.5	---	< 0.5
X002MS11	o - Xylene	ug/L	0.5	---	< 0.5
VOLATILE ORGANICS-CHLORINATED ALIPHATIC					
V903MS11	Bromomethane	ug/L	3	---	< 3
C034MS11	Carbon tetrachloride	ug/L	1	---	< 1
V904MS11	Chloroethane	ug/L	4	---	< 4
V914MS11	2-chloroethylvinylether	ug/L	2	---	< 2
V901MS11	Chloromethane	ug/L	1	---	< 1
V909MS11	1,1-Dichloroethane	ug/L	0.7	---	< 0.7
V912MS11	1,2-Dichloroethane	ug/L	0.5	---	< 0.5
V906MS11	1,1-Dichloroethene	ug/L	0.4	---	< 0.4
V910MS11	cis-1,2-Dichloroethene	ug/L	0.4	---	< 0.4
V908MS11	trans-1,2-Dichloroethene	ug/L	0.7	---	< 0.7
V907MS11	Dichloromethane	ug/L	0.9	---	< 0.9
V913MS11	1,2-Dichloropropane	ug/L	0.5	---	< 0.5
V915MS11	cis-1,3-Dichloropropene	ug/L	0.4	---	< 0.4
V916MS11	trans-1,3-Dichloropropene	ug/L	0.3	---	< 0.3
V918MS11	1,2-Dibromoethane	ug/L	1	---	< 1
V923MS11	1,1,2,2-Tetrachloroethane	ug/L	0.5	---	< 0.5
T030MS11	Tetrachloroethene	ug/L	0.5	30.0	< 0.5
V911MS11	1,1,1-Trichloroethane	ug/L	0.7	---	< 0.7
V917MS11	1,1,2-Trichloroethane	ug/L	0.5	---	< 0.5
T029MS11	Trichloroethene	ug/L	0.6	50.0	< 0.6
V905MS11	Trichlorofluoromethane	ug/L	4	---	< 4

Matrix : Water
 Sampled on: 02/02/20 10:20

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ANALYTICAL REPORT Form 08098476

Client : HEALTH CANADA
Project : LHATACHO-BAND OFFICE
Sampling site :
Submitted by : I.BAIRD

Philip ID : 12010418
Client ID : LHATACHO

Sparcode	Parameter	Unit	MDL	CDWG	
V902MS11	Vinyl Chloride	ug/L	1	2.0	< 1
VOLATILE ORGANICS-TRihalOMETHANES					
B012MS11	Bromodichloromethane	ug/L	0.5	100.0	< 0.5
B013MS11	Bromoform	ug/L	0.4	100.0	< 0.4
C032MS11	Chloroform	ug/L	0.6	100.0	< 0.6
C033MS11	Dibromochloromethane	ug/L	0.4	100.0	< 0.4
VOC SURROGATE RECOVERY					
VS01VSUR	Bromofluorobenzene	%	0	---	93
VS02VSUR	d4-1,2-dichloroethane	%	0	---	117
VS03VSUR	d8-Toluene	%	0	---	88

Matrix : Water
Sample on: 02/02/20 10:20



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SPIKE SUMMARY
Form 08098476

Parameter	Client ID	Philip ID	Sample Conc.	Sample & Spike Conc.	Spike Amount	Unit	Percent Recovery
pH	Blank Spike. Batch :	24400768	< 0.1	6.0	6	pH units	100
Residue Nonfilterable (TSS)	Blank Spike. Batch :	24400756	< 4	199	200	mg/L	100
Residue Filterable 1.0u (TDS)	Blank Spike. Batch :	24400749	< 10	96	100	mg/L	94
Turbidity	Blank Spike. Batch :	24400754	< 0.10	2.01	2	NTU	96
Alkalinity Total as CaCO3	Blank Spike. Batch :	24400769	< 1	100	100	mg/L	100
Cyanide(SAD) + Thiocyanate	Blank Spike. Batch :	24100439	0.0005	0.0213	.02	mg/L	104
Sulfide Total	Blank Spike. Batch :	24100430	< 0.005	0.096	.1	mg/L	96
Chloride Dissolved	Blank Spike. Batch :	24100427	< 0.5	104	100	mg/L	104
Fluoride Dissolved	Blank Spike. Batch :	24100440	< 0.01	0.50	.5	mg/L	100
Organic Carbon - Total	Blank Spike. Batch :	24100412	< 0.5	10.7	10	mg/L	107
Ammonia Nitrogen (N)	Blank Spike. Batch :	24100431	< 0.005	0.188	.2	mg/L	94
Nitrate + Nitrite (N)	Blank Spike. Batch :	24100431	< 0.02	0.55	.6	mg/L	91
Nitrite Nitrogen (N)	Blank Spike. Batch :	24100431	< 0.005	0.200	.2	mg/L	100
Sulfate Dissolved	Blank Spike. Batch :	24100428	< 0.5	105	100	mg/L	105
Mercury	Blank Spike. Batch :	24200683	< 0.00005	0.00046	.0005	mg/L	92
Arsenic	Blank Spike. Batch :	24200676	< 0.001	0.021	.02	mg/L	105
Lead	Blank Spike. Batch :	24200676	< 0.001	0.021	.02	mg/L	104
Selenium	Blank Spike. Batch :	24200676	< 0.001	0.020	.02	mg/L	101
Pentachlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0021	.002	mg/L	104
2346 + 2356-TeClPhenol	Blank Spike. Batch :	24500372	< 0.0001	0.0038	.004	mg/L	95
4-chlorophenol	Blank Spike. Batch :	24500372	< 0.001	0.022	.02	mg/L	110
2,3,4,5-Tetrachlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0020	.002	mg/L	98
2,3,4-Trichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0018	.002	mg/L	88
2,3,5-Trichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0018	.002	mg/L	89
2,3,6-Trichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0017	.002	mg/L	84
2,4,5-Trichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0018	.002	mg/L	88
2,4,6-Trichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0016	.002	mg/L	82
3,4,5-Trichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0021	.002	mg/L	105
2,4 + 3,4-DiClPhenol	Blank Spike. Batch :	24500372	< 0.0001	0.0038	.004	mg/L	96
2,3-Dichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0016	.002	mg/L	81
2,5-Dichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0017	.002	mg/L	85
3,5-Dichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0019	.002	mg/L	95
2,6-Dichlorophenol	Blank Spike. Batch :	24500372	< 0.0001	0.0016	.002	mg/L	82
2-chlorophenol	Blank Spike. Batch :	24500372	< 0.001	0.018	.02	mg/L	88
3-chlorophenol	Blank Spike. Batch :	24500372	< 0.001	0.020	.02	mg/L	99
Benzo(a)pyrene	Blank Spike. Batch :	24500365	< 0.00001	0.0018	.0025	mg/L	71
Chloromethane	Blank Spike. Batch :	25201024	< 1	56	56	ug/L	112
Vinyl Chloride	Blank Spike. Batch :	25201024	< 1	55	50	ug/L	109



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SPIKE SUMMARY
Form 08098476

Parameter	Client ID	Philip ID	Sample Conc.	Sample & Spike Conc.	Spike Amount	Unit	Percent Recovery
Bromomethane	Blank Spike. Batch :	25201024	< 3	48	50	ug/L	97
Chloroethane	Blank Spike. Batch :	25201024	< 4	51	50	ug/L	101
Trichlorofluoromethane	Blank Spike. Batch :	25201024	< 4	46	50	ug/L	92
1,1-Dichloroethene	Blank Spike. Batch :	25201024	< 0.4	11	10	ug/L	106
Dichloromethane	Blank Spike. Batch :	25201024	< 0.9	9.4	10	ug/L	92
trans-1,2-Dichloroethene	Blank Spike. Batch :	25201024	< 0.7	10	10	ug/L	102
1,1-Dichloroethane	Blank Spike. Batch :	25201024	< 0.7	10	10	ug/L	101
cis-1,2-Dichloroethene	Blank Spike. Batch :	25201024	< 0.4	9.9	10	ug/L	99
Chloroform	Blank Spike. Batch :	25201024	< 0.6	10	10	ug/L	100
1,1,1-Trichloroethane	Blank Spike. Batch :	25201024	< 0.7	10	10	ug/L	103
1,2-Dichloroethane	Blank Spike. Batch :	25201024	< 0.5	11	10	ug/L	106
Carbon tetrachloride	Blank Spike. Batch :	25201024	< 1	10	10	ug/L	104
Benzene	Blank Spike. Batch :	25201024	< 0.5	11	10	ug/L	107
1,2-Dichloropropane	Blank Spike. Batch :	25201024	< 0.5	11	10	ug/L	108
Trichloroethene	Blank Spike. Batch :	25201024	< 0.6	11	10	ug/L	106
Bromodichloromethane	Blank Spike. Batch :	25201024	< 0.5	11	10	ug/L	107
cis-1,3-Dichloropropene	Blank Spike. Batch :	25201024	< 0.4	10	10	ug/L	100
trans-1,3-Dichloropropene	Blank Spike. Batch :	25201024	< 0.3	11	10	ug/L	111
Toluene	Blank Spike. Batch :	25201024	< 0.5	10	10	ug/L	103
1,1,2-Trichloroethane	Blank Spike. Batch :	25201024	< 0.5	11	10	ug/L	108
Dibromochloromethane	Blank Spike. Batch :	25201024	< 0.4	11	10	ug/L	109
1,2-Dibromoethane	Blank Spike. Batch :	25201024	< 1	11	10	ug/L	108
Tetrachloroethene	Blank Spike. Batch :	25201024	< 0.5	11	10	ug/L	105
Chlorobenzene	Blank Spike. Batch :	25201024	< 0.5	10	10	ug/L	103
Ethylbenzene	Blank Spike. Batch :	25201024	< 0.5	10	10	ug/L	102
m,p - Xylene	Blank Spike. Batch :	25201024	< 0.5	21	20	ug/L	105
Bromoform	Blank Spike. Batch :	25201024	< 0.4	11	10	ug/L	105
Styrene	Blank Spike. Batch :	25201024	< 0.4	10	10	ug/L	104
o - Xylene	Blank Spike. Batch :	25201024	< 0.5	10	10	ug/L	104
1,1,2,2-Tetrachloroethane	Blank Spike. Batch :	25201024	< 0.5	11	10	ug/L	108
1,2-Dichlorobenzene	Blank Spike. Batch :	25201024	< 0.5	11	10	ug/L	105
1,3-Dichlorobenzene	Blank Spike. Batch :	25201024	< 0.3	10	10	ug/L	100
1,4-Dichlorobenzene	Blank Spike. Batch :	25201024	< 0.4	10	10	ug/L	103



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ANALYSIS DATES
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Philip ID:	12010418	
Client ID:	LHATACHO	
00041220	pH	01-MAR-2002
00021300	Color True	01-MAR-2002
00111160	Specific Conductance	01-MAR-2002
00081071	Residue Nonfilterable (TSS)	28-FEB-2002
007H1035	Residue Filterable 1.0u (TDS)	25-FEB-2002
00151140	Turbidity	28-FEB-2002
01011211	Alkalinity Phen. 8.3 as CaCO3	01-MAR-2002
01021210	Alkalinity Total as CaCO3	01-MAR-2002
2105AA04	Cyanide(SAD) + Thiocyanate	27-FEB-2002
0125LLHS	Sulfide Total	27-FEB-2002
11041334	Chloride Dissolved	26-FEB-2002
11061341	Fluoride Dissolved	27-FEB-2002
TOC-W	15004 Sparg/Ox-Mem Color	26-FEB-2002
11081351	Ammonia Nitrogen (N)	27-FEB-2002
11091350	Nitrate + Nitrite (N)	27-FEB-2002
11111354	Nitrite Nitrogen (N)	27-FEB-2002
11211405	Sulfate	26-FEB-2002
Hg-T0310	Mercury	27-FEB-2002
MET-DWS	Public Metals ICP/HGA	26-FEB-2002
CPWAGCMS	GOLDCPS	28-FEB-2002
DC01SURR	CL2 Phenylacetic acid	28-FEB-2002
H099PT11	VH C6-C10	26-FEB-2002
PA05MW02	Benzo(a)pyrene	28-FEB-2002
VOC-W1	VOC's P&T GC/MS	26-FEB-2002
VOC-SR	Surrogate Recovery	26-FEB-2002
Matrix:	Water	
Sampled on:	20-FEB-2002	



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BATCH NUMBERS
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	Philip ID:	12010418
	Client ID:	LHATACHO
00041220	pH	24400768
00021300	Color True	24100459
00111160	Specific Conductance	24400770
00081071	Residue Nonfilterable (TSS)	24400756
007H1035	Residue Filterable 1.0u (TDS)	24400749
00151140	Turbidity	24400754
01011211	Alkalinity Phen. 8.3 as CaCO3	24400771
01021210	Alkalinity Total as CaCO3	24400769
2105AA04	Cyanide(SAD) + Thiocyanate	24100439
0125LLHS	Sulfide Total	24100430
11041334	Chloride Dissolved	24100427
11061341	Fluoride Dissolved	24100440
TOC-W	15004 Sparg/Ox-Mem Color	24100412
11081351	Ammonia Nitrogen (N)	24100431
11091350	Nitrate + Nitrite (N)	24100431
11111354	Nitrite Nitrogen (N)	24100431
11211405	Sulfate	24100428
Hg-T0310	Mercury	24200683
MET-DWS	Public Metals ICP/HGA	24200676
CPWAGCMS	GOLDCPS	24500372
DC01SURR	CL2 Phenylaceticacid	24500373
H099PT11	VH C6-C10	25201025
PA05MW02	Benzo(a)pyrene	24500365
VOC-W1	VOC's P&T GC/MS	25201024
VOC-SR	Surrogate Recovery	25201026
	Matrix:	Water
	Sampled on:	20-FEB-2002



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BLANK SUMMARY
Form 08098476

All method blanks were less than MDL

SRC ANALYTICAL

422 Downey Road
 Saskatoon, Saskatchewan S7N 4N1
 (306) 933-6932 1-800-240-8808

Health Canada E.H.S. Pacific
 220-177 Victoria Street
 Prince George, British Columbia V2L 5R8
 Attn: Ian Baird

Mar-08-2002

Date Samples Received: Feb-27-2002 Client P.O.:

SAMPLE	CLIENT DESCRIPTION			
3210	2/22/02	LHEIDLI T'ENNEH SOUTH (19)-BAND OFFICE	*WATER*	
3211	2/21/02	KWADACHA (FT. WARE-16) - HEALTH CLINIC	*WATER*	
3212	2/21/02	TSAY KEY (44) TSAY KEH DENE - HEALTH CLINIC	*WATER*	

ANALYTE	UNITS	LIMIT	3210	3211	3212
<i>FOR INDIVIDUAL EMITTER</i>					
RADIO CHEMISTRY					
Gross alpha	Bq/L	0.1	<0.16	<0.13	0.18±0.09
Gross beta	Bq/L	0.1	0.19±0.04	<0.08	<0.08

SAMPLE	CLIENT DESCRIPTION			
3213	2/20/02	LHATACHO-BAND OFFICE	*WATER*	
3214	2/19/02	REDSTONE CS	*WATER*	
3215	2/19/02	REDSTONE @ MICHAEL GARDENS CS	*WATER*	

ANALYTE	UNITS		3213	3214	3215
RADIO CHEMISTRY					
Gross alpha	Bq/L	0.1	<0.21	<0.10	<0.09
Gross beta	Bq/L	0.1	0.17±0.12	0.08±0.02	0.13±0.02

SAMPLE	CLIENT DESCRIPTION			
3216	2/21/02	TOOSEY CS	*WATER*	
3217	2/21/02	ANAHAM CS	*WATER*	
3218	2/21/02	STONE CS	*WATER*	

ANALYTE	UNITS		3216	3217	3218
RADIO CHEMISTRY					
Gross alpha	Bq/L		0.24±0.13	0.20±0.11	0.17±0.10
Gross beta	Bq/L		0.34±0.06	0.18±0.04	0.21±0.04

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Is(are) under consultation