

R E P O R T

LAKE BABINE FIRST NATION

**Assessment Studies of Water and
Wastewater Systems and
Associated Water Management
Practices at Selected
First Nation Communities**



ANALYTICAL SERVICES

06-May-02
Page 2 of 13

ANALYTICAL REPORT

Client : HEALTH CANADA
Project : TACHET-BAND OFFICE
Sampling site :
Submitted by : P.BRODA

Philip ID : 12016562
Client ID : TACHET
12016563
FT. BABINE

Sparcode	Parameter	Unit	MDL	CDWG		
PHYSICAL						
00041220	pH	pH units	0.1	6.5-8.5	7.9	7.6
00021300	Color True	Col.Unit	5	15	5	15
00111160	Specific Conductance	uS/cm	1	---	173	92
SCCACALC	Computed Conductance	uS/cm		---	182	93
CCPDCALC	Conductance % Diff.	%		---	4.9	1.1
00081071	Residue Nonfilterable (TSS)	mg/L	4	---	< 4	< 4
007H1035	Residue Filterable 1.0u (TDS)	mg/L	10	500	108	58
CTDSCALC	Computed TDS	mg/L		---	94	48
TDSRCALC	TDS % Diff.	%		---	-13.4	-18.9
00151140	Turbidity	NTU	0.10	1.0	0.22	0.17
0107CALC	Hardness Total -T	mg/L		500	81.0	43.7
GENERAL INORGANICS						
01011211	Alkalinity Phen. 8.3 as CaCO3	mg/L	1	---	< 1	< 1
01021210	Alkalinity Total as CaCO3	mg/L	1	---	57	42
CO3-CALC	Carbonate as CO3=	mg/L		---	< 0.5	< 0.5
HCO3CALC	Bicarbonate as HCO3-	mg/L		---	69.5	51.2
OH-CALC	Hydroxide as OH-	mg/L		---	< 0.5	< 0.5
2105AA04	Cyanide(SAD) + Thiocyanate	mg/L	0.0005	0.2	0.0008	< 0.0005
0125LLHS	Sulfide Total	mg/L	0.005	0.05	< 0.005	< 0.005
ANIONS						
11041334	Chloride Dissolved	mg/L	0.5	< 250	1.4	< 0.5
11061341	Fluoride Dissolved	mg/L	0.01	1.5	0.03	0.04
IonBCALC	Ion Balance	%		---	2.4	2.8
AansCALC	Total Anions	meq/L		---	1.70	0.95
CnsCALC	Total Cations	meq/L		---	1.78	1.00
LangCALC	Langelier Index	pH units		---	-0.3	-1.1
pHSACALC	Saturation pH	pH units		---	8.2	8.7
CARBON						
01030912	Organic Carbon - Total	mg/L	0.5	---	3.4	7.5

Matrix : Water
Sampled on: 02/03/20 16:00

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Sparcode	Parameter	Unit	MDL	CDWG		
NITROGEN						
11081351	Ammonia Nitrogen (N)	mg/L	0.005	---	< 0.005	0.005
1110CALC	Nitrate Nitrogen Dissolved (N)	mg/L		10.0	0.11	0.11
11091350	Nitrate + Nitrite (N)	mg/L	0.02	10.0	0.12	0.12
11111354	Nitrite Nitrogen (N)	mg/L	0.005	1.0	0.006	0.006
SULFATE						
11211405	Sulfate	mg/L	0.5	< 500	24.5	4.4
METALS TOTAL						
AJ-T0031	Aluminum	mg/L	0.02	---	0.13	< 0.02
Sb-TMS31	Antimony	mg/L	0.001	---	< 0.001	< 0.001
As-TMS31	Arsenic	mg/L	0.001	0.025	< 0.001	< 0.001
Ba-T0031	Barium	mg/L	0.001	1.0	0.023	0.019
B-T0031	Boron	mg/L	0.008	5.0	< 0.008	< 0.008
Cd-TMS31	Cadmium	mg/L	0.0001	0.005	< 0.0001	< 0.0001
Ca-T0031	Calcium	mg/L	0.05	---	27.5	12.6
Cr-T0031	Chromium	mg/L	0.005	0.05	< 0.005	< 0.005
Co-T0031	Cobalt	mg/L	0.005	---	< 0.005	< 0.005
Cu-T0031	Copper	mg/L	0.005	1.0	0.006	0.017
Fe-T0031	Iron	mg/L	0.005	0.3	0.005	0.023
Pb-TMS31	Lead	mg/L	0.0005	0.01	< 0.0005	< 0.0005
Mg-T0031	Magnesium	mg/L	0.05	---	3.00	2.97
Mn-T0031	Manganese	mg/L	0.001	0.05	< 0.001	< 0.001
Hg-T0310	Mercury	mg/L	0.00005	0.001	< 0.00005	< 0.00005
Mo-T0031	Molybdenum	mg/L	0.005	---	< 0.005	< 0.005
Ni-T0031	Nickel	mg/L	0.008	---	< 0.008	< 0.008
K_T0031	Potassium	mg/L	1	---	< 1	< 1
Se-TMS31	Selenium	mg/L	0.001	0.01	< 0.001	< 0.001
Ag-T0031	Silver	mg/L	0.01	---	< 0.01	< 0.01
Na_T0031	Sodium	mg/L	0.05	200	3.28	2.29
U--TLLMS	Uranium	mg/L	0.00001	0.1	0.00001	0.00003
V--T0031	Vanadium	mg/L	0.005	---	< 0.005	< 0.005
Zn-T0031	Zinc	mg/L	0.005	5.0	< 0.005	0.015

Matrix : Water
Sampled on: 02/03/20 16:00 Water
02/03/20 16:00

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Sparcode	Parameter	Unit	MDL	CDWG		
CHLORINATED PHENOLS						
EX9946Z7	Water Prep for CPs	date				
MCP2CPWA	2-chlorophenol	mg/L	0.001	---	02/03/25	02/03/27
MCP3CPWA	3-chlorophenol	mg/L	0.001	---	< 0.001	< 0.001
MCP4CPWA	4-chlorophenol	mg/L	0.001	---	< 0.001	< 0.001
CPE1CPWA	2,3-Dichlorophenol	mg/L	0.0001	---	< 0.001	< 0.001
CPH1CPWA	2,4+3,4-DiClPhenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CPH2CPWA	2,5-Dichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP09CPWA	2,6-Dichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CPE3CPWA	3,5-Dichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP03CPWA	2,3,4-Trichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP04CPWA	2,3,5-Trichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP05CPWA	2,3,6-Trichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP06CPWA	2,4,5-Trichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP07CPWA	2,4,6-Trichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP44CPWA	3,4,5-Trichlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP02CPWA	2,3,4,5-Tetrachlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
CP01CPWA	2346+2356-TeClPhenol	mg/L	0.0001	---	< 0.0001	< 0.0001
P022CPWA	Pentachlorophenol	mg/L	0.0001	---	< 0.0001	< 0.0001
SURROGATE RECOVERY						
DC01SURR	CL2 Phenylaceticacid	%		---	74	96
BR3-CPWA	Tribromophenol	%	40	---	112	97
HERBICIDES						
EX995351	Prep for Glyphosate	date				
A001P012	AMPA	mg/L	0.05	---	02/03/28	02/03/28
					< 0.05	< 0.05
HYDROCARBONS						
H099PT11	VH C6-C10	mg/L	0.1	---	< 0.1	< 0.1
EX995172	Volat. Wat. Pre-Scr.	date				
H097CALC	VPHw	mg/L		---	02/03/25	02/03/25
					< 0.1	< 0.1

Matrix : Water
Sampled on: 02/03/20 16:00 Water
02/03/20 16:00

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12016563
FT. BABINE

Sparcode	Parameter	Unit	MDL	CDWG		
POLYCYCLIC AROMATIC HYDROCARBONS						
EX9946Z4	PAH Extraction-Water	date				
PA05MW02	Benzo(a)pyrene	mg/L	0.00001	0.00001	02/03/25 < 0.00001	02/03/27 < 0.00001
VOLATILE ORGANICS-MAH						
B020MS11	Benzene	ug/L	0.5	5.0	< 0.5	< 0.5
V919MS11	Chlorobenzene	ug/L	0.5	80.0	< 0.5	< 0.5
V924MS11	1,2-Dichlorobenzene	ug/L	0.5	200.0	< 0.5	< 0.5
V925MS11	1,3-Dichlorobenzene	ug/L	0.3	---	< 0.3	< 0.3
V926MS11	1,4-Dichlorobenzene	ug/L	0.4	5.0	< 0.4	< 0.4
B021MS11	Ethylbenzene	ug/L	0.5	---	< 0.5	< 0.5
V921MS11	Styrene	ug/L	0.4	---	< 0.4	< 0.4
T001MS11	Toluene	ug/L	0.5	24.0	< 0.5	< 0.5
X_8842_5	Xylenes	ug/L	0.5	300.0	< 0.5	< 0.5
X003MS11	m,p - Xylene	ug/L	0.5	---	< 0.5	< 0.5
X002MS11	o - Xylene	ug/L	0.5	---	< 0.5	< 0.5
MTBEMS11	Methyl t-butyl ether	ug/L	5	---	< 5	< 5
VOLATILE ORGANICS-CHLORINATED ALIPHATIC						
V903MS11	Bromomethane	ug/L	3	---	< 3	< 3
C034MS11	Carbon tetrachloride	ug/L	1	---	< 1	< 1
V904MS11	Chloroethane	ug/L	4	---	< 4	< 4
V914MS11	2-chloroethylvinylether	ug/L	2	---	< 2	< 2
V901MS11	Chloromethane	ug/L	1	---	< 1	< 1
V909MS11	1,1-Dichloroethane	ug/L	0.7	---	< 0.7	< 0.7
V912MS11	1,2-Dichloroethane	ug/L	0.5	---	< 0.5	< 0.5
V906MS11	1,1-Dichloroethene	ug/L	0.4	---	< 0.4	< 0.4
V910MS11	cis-1,2-Dichloroethene	ug/L	0.4	---	< 0.4	< 0.4
V908MS11	trans-1,2-Dichloroethene	ug/L	0.7	---	< 0.7	< 0.7
V907MS11	Dichloromethane	ug/L	0.9	---	< 0.9	< 0.9
V913MS11	1,2-Dichloropropane	ug/L	0.5	---	< 0.5	< 0.5
V915MS11	cis-1,3-Dichloropropene	ug/L	0.4	---	< 0.4	< 0.4
V916MS11	trans-1,3-Dichloropropene	ug/L	0.3	---	< 0.3	< 0.3
V918MS11	1,2-Dibromoethane	ug/L	1	---	< 1	< 1
V923MS11	1,1,2,2-Tetrachloroethane	ug/L	0.5	---	< 0.5	< 0.5

Matrix : Water
Sampled on: 02/03/20 16:00 Water
02/03/20 16:00

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Philip ID : 12016562
Client ID : TACHET
12016563
FT. BABINE

Sparcode	Parameter	Unit	MDL	CDWG		
T030MS11	Tetrachloroethene	ug/L	0.5	30.0	< 0.5	< 0.5
V911MS11	1,1,1-Trichloroethane	ug/L	0.7	---	< 0.7	< 0.7
V917MS11	1,1,2-Trichloroethane	ug/L	0.5	---	< 0.5	< 0.5
T029MS11	Trichloroethene	ug/L	0.6	50.0	< 0.6	< 0.6
V905MS11	Trichlorofluoromethane	ug/L	4	---	< 4	< 4
V902MS11	Vinyl Chloride	ug/L	1	2.0	< 1	< 1
VOLATILE ORGANICS-TRIHALOMETHANES						
B012MS11	Bromodichloromethane	ug/L	0.5	100.0	0.9	< 0.5
B013MS11	Bromoform	ug/L	0.4	100.0	< 0.4	< 0.4
C032MS11	Chloroform	ug/L	0.6	100.0	37	< 0.6
C033MS11	Dibromochloromethane	ug/L	0.4	100.0	< 0.4	< 0.4
VOC SURROGATE RECOVERY						
VS01VSUR	Bromofluorobenzene	%	0	---	98	86
VS02VSUR	d4-1,2-dichloroethane	%	0	---	96	90
VS03VSUR	d8-Toluene	%	0	---	96	85

Matrix : Water
Sampled on: 02/03/20 16:00
Water
02/03/20 16:00

	ftbabine	location	date	gen.bact	t.colif	fecal.c
1	New School		01/08/02	0	0	0
2	Pumphouse		01/08/02	0	0	0
3	Pumphouse		01/15/02	78	0	0
4	Band Office		01/15/02	0	0	0
5	Pumphouse	Tested Water	01/22/02	0	0	0
6	Pumphouse	Tested Water	01/22/02	6	0	0
7	[REDACTED] .19(1)	House	01/22/02	0	0	0
8	[REDACTED]	House	01/22/02	0	0	0
9	Band Office		02/19/02	0	0	0
10	Treatment Plant		02/19/02	0	0	0
11	[REDACTED]	House	02/19/02	0	0	0
12	[REDACTED] s.19(1)	House	02/19/02	4	0	0
13	[REDACTED]	Lodge Water Sup	03/20/02	720	0	0
14	Band Office		03/20/02	120	0	0
15	[REDACTED]		03/20/02	70	0	0
16	[REDACTED] s.19(1)	Treated	03/26/02	0	0	0
17	[REDACTED]	Treated	03/26/02	0	0	0
18	Pumphouse	Raw Water	03/26/02	0	0	0
19	Pumphouse	Raw Water	04/16/02	48	2	0
20	Pumphouse	Treated Water	04/16/02	0	0	0
21	[REDACTED] .19(1)	Treated	04/16/02	0	0	0
22	[REDACTED]	Treated	04/16/02	0	0	0

	ftbabine	location	date	gen.bact	t.colif	fecal.c
1	Fisheries Bldg	BT, Pvt.Rv.Supp	08/17/01	1560	0	0
2	Lodge Cabin #3	KT, Lk Supply	08/17/01	372	0	0
3	House #53	KT CS	08/17/01	164	0	0
4	Health Centre	KT, CS	08/17/01	0	0	0
5		s.19 (1) Water	12/18/01	0	0	0
6	Pumphouse	Unfiltered	12/18/01	0	0	0

Page(s) 003034 to\à 003035

**Is(are) duplicate(s)
est(sont) (des) duplicata(s)**



158-5-12 Tachet

RESULTS OF ANALYSIS - Water

File No. J2850

Tachet
Babine
L. Supp.
98 03 25

<u>Physical Tests</u>							
Colour	(CU)		<5	14	<5	-	<5
Conductivity	(umhos/cm)		593	95	771	-	547
Total Dissolved Solids			376	63	450	-	312
Hardness	CaCO3		7.70	42.0	182	-	169
pH			7.43	7.28	7.62	-	7.89
Turbidity	(NTU)		0.5	0.4	1.7	-	1.0
<u>Dissolved Anions</u>							
Alkalinity-Total		CaCO3	315	38	258	-	294
Chloride	Cl		2.9	0.9	20.7	-	1.0
Fluoride	F		0.07	0.04	1.18	-	0.13
Sulphate	SO4		2	4	124	-	23
<u>Nutrients</u>							
Nitrate Nitrogen		N	0.201	0.103	<0.005	-	<0.005
Nitrite Nitrogen		N	0.016	0.001	0.004	-	<0.001
<u>Total Metals</u>							
Aluminum	T-Al		<0.2	<0.2	<0.2	<0.2	<0.2
Arsenic	T-As		0.0015	0.0003	0.0015	0.0164	0.0028
Barium	T-Ba		0.02	0.02	0.03	0.02	0.06
Boron	T-B		<0.1	<0.1	0.1	<0.1	<0.1
Cadmium	T-Cd		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcium	T-Ca		2.06	11.8	55.4	10.5	31.3
Chromium	T-Cr		<0.01	<0.01	<0.01	<0.01	<0.01
Copper	T-Cu		<0.01	<0.01	<0.01	0.01	<0.01
Iron	T-Fe		0.24	<0.03	0.13	<0.03	0.28
Lead	T-Pb		<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	T-Mg		0.62	3.03	10.5	2.68	22.1
Manganese	T-Mn		0.087	<0.005	0.121	<0.005	0.069
Mercury	T-Hg		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Potassium	T-K		7	<2	3	<2	10
Selenium	T-Se		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Sodium	T-Na		145	3	122	3	59
Zinc	T-Zn		0.015	0.020	0.011	0.072	<0.005

Remarks regarding the analyses appear at the beginning of this report. Results are expressed as milligrams per litre except for pH, Colour (CU), Conductivity (umhos/cm), and Turbidity (NTU).
< = Less than the detection limit indicated.

Exhibit 4

Summary of Babine Lake Water Quality (Near Tachet)

Water Quality Parameter	CDWG	Apr. 1, 1997	Jun. 16, 1997	Jul. 28, 1997	Sept. 9, 1997	Sept. 25, 1997	Oct. 28, 1997	Nov. 10, 1997	Nov. 28, 1997	Nov. 19, 1997	Jan. 16, 1998	Jan. 30, 1998	Feb. 27, 1998
pH	6.5 - 8.5	7.2	7.7	7.7	7.9	7.9	7.2	7.6	7.6	7.2	7.4	7.4	7.9
Alkalinity (mg/L CaCO ₃)		46	-	37	37	41	37	40	44	38	68	<5	76
Hardness (mg/L CaCO ₃)	< 150	43	50	40	40	40	-	37	27	40	41	37	43
Turbidity (FTU)	< 1	0.48	3.8	0.9	< 1	< 1	< 1	< 1	< 1	0.3	< 1	1	-
Colour (HCU)	< 15	< 5	-	15	10	15	15	< 5	7	20	15	15	10
Total Organic Carbon (mg/L)		-	-	8.1	8.0	8.4	7.2	7.7	7.5	8.9	6.9	7.7	7.4
THM Form. Potential (µg/L)		-	-	-	-	-	-	-	-	415	-	-	-
Iron (µg/L)	< 300	20	40	20	-	-	-	-	-	< 50	-	-	-
Manganese (µg/L)	< 50	< 10	10	10	-	-	-	-	-	-	-	-	-
Lead (µg/L)	< 10	-	-	-	-	-	-	-	-	-	-	-	-
Copper (µg/L)	< 100	-	220	20	-	-	-	-	-	-	-	-	-
Zinc (µg/L)	< 1000	-	250	30	-	-	-	-	-	-	-	-	-



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00111160	Specific Conductance	uS/cm	1	--	173	92
SCCACALC	Computed Conductance	uS/cm		--	182	93
CCPDCALC	Conductance % Diff.	%		--	4.9	1.1
00081071	Residue Nonfilterable (TSS)	mg/L	4	--	< 4	< 4
007H1035	Residue Filterable 1.0u (TDS)	mg/L	10	500	108	58
CTDSCALC	Computed TDS	mg/L		--	94	48
TDSRCALC	TDS % Diff.	%		--	-13.4	-18.9
00151140	Turbidity	NTU	0.10	1.0	0.22	0.17
0107CALC	Hardness Total -T	mg/L		500	81.0	43.7
GENERAL INORGANICS						
01011211	Alkalinity Phen. 8.3 as CaCO3	mg/L	1	--	< 1	< 1
01021210	Alkalinity Total as CaCO3	mg/L	1	--	57	42
CO3-CALC	Carbonate as CO3=	mg/L		--	< 0.5	< 0.5
HCO3CALC	Bicarbonate as HCO3-	mg/L		--	69.5	51.2
OH--CALC	Hydroxide as OH-	mg/L		--	< 0.5	< 0.5
2105AA04	Cyanide(SAD) + Thiocyanate	mg/L	0.0005	0.2	0.0008	< 0.0005
0125LLHS	Sulfide Total	mg/L	0.005	0.05	< 0.005	< 0.005
ANIONS						
11041334	Chloride Dissolved	mg/L	0.5	< 250	1.4	< 0.5
11061341	Fluoride Dissolved	mg/L	0.01	1.5	0.03	0.04
IonBCALC	Ion Balance	%		--	2.4	2.8
AnnscALC	Total Anions	meq/L		--	1.70	0.95
CnscALC	Total Cations	meq/L		--	1.78	1.00
LangCALC	Langelier Index	pH units		--	-0.3	-1.1
pHSACALC	Saturation pH	pH units		--	8.2	8.7
CARBON						
01030912	Organic Carbon - Total	mg/L	0.5	--	3.4	7.5

Matrix : Water Water
Sampled on: 02/03/20 16:00 02/03/20 16:00

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Project : TACHET-BAND OFFICE
Sampling site :
Submitted by : P.BRODA

Philip ID : 12016562 12016563
Client ID : TACHET FT. BABINE

Sparcode	Parameter	Unit	MDL	CDWG		
NITROGEN						
11081351	Ammonia Nitrogen (N)	mg/L	0.005	---	< 0.005	0.005
1110CALC	Nitrate Nitrogen Dissolved (N)	mg/L		10.0	0.11	0.11
11091350	Nitrate + Nitrite (N)	mg/L	0.02	10.0	0.12	0.12
11111354	Nitrite Nitrogen (N)	mg/L	0.005	1.0	0.006	0.006
SULFATE						
11211405	Sulfate	mg/L	0.5	< 500	24.5	4.4
METALS TOTAL						
AJ-T0031	Aluminum	mg/L	0.02	---	0.13	< 0.02
Sb-TMS31	Antimony	mg/L	0.001	---	< 0.001	< 0.001
As-TMS31	Arsenic	mg/L	0.001	0.025	< 0.001	< 0.001
Ba-T0031	Barium	mg/L	0.001	1.0	0.023	0.019
B-T0031	Boron	mg/L	0.008	5.0	< 0.008	< 0.008
Cd-TMS31	Cadmium	mg/L	0.0001	0.005	< 0.0001	< 0.0001
Ca-T0031	Calcium	mg/L	0.05	---	27.5	12.6
Cr-T0031	Chromium	mg/L	0.005	0.05	< 0.005	< 0.005
Co-T0031	Cobalt	mg/L	0.005	---	< 0.005	< 0.005
Cu-T0031	Copper	mg/L	0.005	1.0	0.006	0.017
Fe-T0031	Iron	mg/L	0.005	0.3	0.005	0.023
Pb-TMS31	Lead	mg/L	0.0005	0.01	< 0.0005	< 0.0005
Mg-T0031	Magnesium	mg/L	0.05	---	3.00	2.97
Mn-T0031	Manganese	mg/L	0.001	0.05	< 0.001	< 0.001
Hg-T0310	Mercury	mg/L	0.00005	0.001	< 0.00005	< 0.00005
Mo-T0031	Molybdenum	mg/L	0.005	---	< 0.005	< 0.005
Ni-T0031	Nickel	mg/L	0.008	---	< 0.008	< 0.008
K_T0031	Potassium	mg/L	1	---	< 1	< 1
Se-TMS31	Selenium	mg/L	0.001	0.01	< 0.001	< 0.001
Ag-T0031	Silver	mg/L	0.01	---	< 0.01	< 0.01
Na_T0031	Sodium	mg/L	0.05	200	3.28	2.29
U-TLLMS	Uranium	mg/L	0.00001	0.1	0.00001	0.00003
V-T0031	Vanadium	mg/L	0.005	---	< 0.005	< 0.005
Zn-T0031	Zinc	mg/L	0.005	5.0	< 0.005	0.015

Matrix : Water Water
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ANALYTICAL REPORT

Client : HEALTH CANADA
Project : TACHET-BAND OFFICE
Sampling site :
Submitted by : P.BRODA

Philip ID : 12016562 12016563
Client ID : TACHET FT. BABINE

Sparcode	Parameter	Unit	MDL	CDWG		
CHLORINATED PHENOLS						
EX9946Z7	Water Prep for CPs	date			02/03/25	02/03/27
MCP2CPWA	2-chlorophenol	mg/L	0.001	--	< 0.001	< 0.001
MCP3CPWA	3-chlorophenol	mg/L	0.001	--	< 0.001	< 0.001
MCP4CPWA	4-chlorophenol	mg/L	0.001	--	< 0.001	< 0.001
CPE1CPWA	2,3-Dichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CPH1CPWA	2,4+3,4-DiClPhenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CPH2CPWA	2,5-Dichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP09CPWA	2,6-Dichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CPE3CPWA	3,5-Dichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP03CPWA	2,3,4-Trichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP04CPWA	2,3,5-Trichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP05CPWA	2,3,6-Trichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP06CPWA	2,4,5-Trichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP07CPWA	2,4,6-Trichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP44CPWA	3,4,5-Trichlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP02CPWA	2,3,4,5-Tetrachlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
CP01CPWA	2346+2356-TeClPhenol	mg/L	0.0001	--	< 0.0001	< 0.0001
PO22CPWA	Pentachlorophenol	mg/L	0.0001	--	< 0.0001	< 0.0001
SURROGATE RECOVERY						
DC01SURR	CL2 Phenylaceticacid	%		--	74	96
BR3-CPWA	Tribromophenol	%	40	--	112	97
HERBICIDES						
EX995351	Prep for Glyphosate	date			02/03/28	02/03/28
A001P012	AMPA	mg/L	0.05	--	< 0.05	< 0.05
HYDROCARBONS						
H099PT11	VH C6-C10	mg/L	0.1	--	< 0.1	< 0.1
EX995172	Volat. Wat. Pre-Scr.	date			02/03/25	02/03/25
H097CALC	VPHw	mg/L		--	< 0.1	< 0.1

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ANALYTICAL REPORT

Client : HEALTH CANADA
Project : TACHET-BAND OFFICE
Sampling site :
Submitted by : P.BRODA

Philip ID : 12016562 12016563
Client ID : TACHET FT. BABINE

Sparcode	Parameter	Unit	MDL	CDWG		
POLYCYCLIC AROMATIC HYDROCARBONS						
EX9946ZA	PAH Extraction-Water	date			02/03/25	02/03/27
PA05MW02	Benzo(a)pyrene	mg/L	0.00001	0.00001	< 0.00001	< 0.00001
VOLATILE ORGANICS-MAH						
B020MS11	Benzene	ug/L	0.5	5.0	< 0.5	< 0.5
V919MS11	Chlorobenzene	ug/L	0.5	80.0	< 0.5	< 0.5
V924MS11	1,2-Dichlorobenzene	ug/L	0.5	200.0	< 0.5	< 0.5
V925MS11	1,3-Dichlorobenzene	ug/L	0.3	---	< 0.3	< 0.3
V926MS11	1,4-Dichlorobenzene	ug/L	0.4	5.0	< 0.4	< 0.4
B021MS11	Ethylbenzene	ug/L	0.5	---	< 0.5	< 0.5
V921MS11	Styrene	ug/L	0.4	---	< 0.4	< 0.4
T001MS11	Toluene	ug/L	0.5	24.0	< 0.5	< 0.5
X_8842_5	Xylenes	ug/L	0.5	300.0	< 0.5	< 0.5
X003MS11	m,p - Xylene	ug/L	0.5	---	< 0.5	< 0.5
X002MS11	o - Xylene	ug/L	0.5	---	< 0.5	< 0.5
MTBEMS11	Methyl t-butyl ether	ug/L	5	---	< 5	< 5
VOLATILE ORGANICS-CHLORINATED ALIPHATIC						
V903MS11	Bromomethane	ug/L	3	---	< 3	< 3
C034MS11	Carbon tetrachloride	ug/L	1	---	< 1	< 1
V904MS11	Chloroethane	ug/L	4	---	< 4	< 4
V914MS11	2-chloroethylvinylether	ug/L	2	---	< 2	< 2
V901MS11	Chloromethane	ug/L	1	---	< 1	< 1
V909MS11	1,1-Dichloroethane	ug/L	0.7	---	< 0.7	< 0.7
V912MS11	1,2-Dichloroethane	ug/L	0.5	---	< 0.5	< 0.5
V906MS11	1,1-Dichloroethene	ug/L	0.4	---	< 0.4	< 0.4
V910MS11	cis-1,2-Dichloroethene	ug/L	0.4	---	< 0.4	< 0.4
V908MS11	trans-1,2-Dichloroethene	ug/L	0.7	---	< 0.7	< 0.7
V907MS11	Dichloromethane	ug/L	0.9	---	< 0.9	< 0.9
V913MS11	1,2-Dichloropropane	ug/L	0.5	---	< 0.5	< 0.5
V915MS11	cis-1,3-Dichloropropene	ug/L	0.4	---	< 0.4	< 0.4
V916MS11	trans-1,3-Dichloropropene	ug/L	0.3	---	< 0.3	< 0.3
V918MS11	1,2-Dibromoethane	ug/L	1	---	< 1	< 1
V923MS11	1,1,2,2-Tetrachloroethane	ug/L	0.5	---	< 0.5	< 0.5

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ANALYTICAL REPORT

Client : HEALTH CANADA
Project : TACHET-BAND OFFICE
Sampling site :
Submitted by : P.BRODA

Philip ID : 12016562 12016563
Client ID : TACHET FT. BABINE

Sparcode	Parameter	Unit	MDL	CDWC		
T030MS11	Tetrachloroethene	ug/L	0.5	30.0	< 0.5	< 0.5
V911MS11	1,1,1-Trichloroethane	ug/L	0.7	---	< 0.7	< 0.7
V917MS11	1,1,2-Trichloroethane	ug/L	0.5	---	< 0.5	< 0.5
T029MS11	Trichloroethene	ug/L	0.6	50.0	< 0.6	< 0.6
V905MS11	Trichlorofluoromethane	ug/L	4	---	< 4	< 4
V902MS11	Vinyl Chloride	ug/L	1	2.0	< 1	< 1
VOLATILE ORGANICS-TRIHALOMETHANES						
B012MS11	Bromodichloromethane	ug/L	0.5	100.0	0.9	< 0.5
B013MS11	Bromoform	ug/L	0.4	100.0	< 0.4	< 0.4
C032MS11	Chloroform	ug/L	0.6	100.0	37	< 0.6
C033MS11	Dibromochloromethane	ug/L	0.4	100.0	< 0.4	< 0.4
VOC SURROGATE RECOVERY						
VS01VSUR	Bromofluorobenzene	%	0	---	98	86
VS02VSUR	d4-1,2-dichloroethane	%	0	---	96	90
VS03VSUR	d8-Toluene	%	0	---	96	85

Matrix : Water Water
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