WELL WATER
ELG09

Compiled by NB-IRDT Staff
Last updated February 2024

How to Obtain More Information

For more information about this Codebook or other services and data available from the New Brunswick Institute for Research, Data and Training (NB-IRDT), contact us in any of the following ways:

- visit our website at https://www.nbirdt.ca/
- email us at nb-irdt@unb.ca
- call us at 506-447-3363 Monday to Friday, 8:30am to 4:30pm

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About this Codebook

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Due to the operational nature of administrative data sets, there is potential for discrepancies between the names of variables and their corresponding definitions. In the case of such a discrepancy, the variable definition should be considered the most accurate representation.

Overview

Overview of the database

Sample Universe

Who/what is contained in the dataset (e.g., the Citizen Database contains people who have or had New Brunswick Medicare)

Date Range

Date range of the database. If the range does not follow the calendar year, please list the exact dates (if possible). (format: yyyy-mm-dd)

Data Source

Source where the data came from

How to Cite this Codebook

New Brunswick Institute for Research, Data and Training. (2024). Well Water ELG09 Codebook for years 1992-2023. Fredericton, NB: New Brunswick Institute for Research, Data and Training.

Acknowledgements

The ELG09 Database is used with the permission of "New Brunswick Department of Environment and Local Government."

About this Product

Purpose of the Product
The purpose of the ELG09 Database Codebook is to provide information on the linkable New Brunswick Well Water data held at the New Brunswick Institute for Research, Data and Training (NB-IRDT). This data is accessible to researchers for environmental and other areas of research.

Definitions and Concepts
Any relevant definitions and concepts related to the dataset

Content
Contents of the database including the number of fields and field names
Please include a description of what each record represents

General Methodology
If known

Limitations
Any limitations of the database (e.g., may not contain all variables in the data source)

Comparison to Other Products/Versions
If applicable

Using with Other Products
If applicable

Record Layouts and Data Descriptions

Overview

Well Water

#	Name	Label	Type
1	REPORT_NUMBER	Unique ID of a Well-log record	Integer
2	PID	One PID can have multiple wells on it	Integer
3	WELL_TAG_ID	Unique ID of a well	Integer
4	WELL_USE	If it is a drinking water or non-drinking	Text
5	SUBCATEGORY	Subcategory of well. E.g. domestic, industrial, etc.	Text
6	WORK_TYPE	New well drilling or other work	Text
7	DRILL_METHOD	Method used for drilling	Text
8	WORK_COMPLETED	When drilling work completed	Date
9	CASING_ABOVE_GROUND	Casing above ground in inches	Decimal
10	DRIVE_SHOE_USED	Whether drive shoe used. Binary value.	Text
11	INITIAL_WATER_LEVEL_BTC	Initial Water Level (BTC) in ft	Decimal
12	METHOD	Air, Bailer, or Pump	Text
13	PUMPING_RATE	Pumping rate in igpm	Decimal
14	DURATION	Duration in hrs	Decimal
15	FINAL_WATER_LEVEL_BTC	Final Water Level (BTC) in ft	Decimal
16	ESTIMATED_SAFE_YIELD	Estimated Safe Yield in igpm	Decimal
17	FLOWING_WELL	Whether a flowing well. Binary value.	Text
18	RATE	Rate in igpm	Decimal
19	DISINFECTANT	Disinfectant used	Text
20	QTY	Qty in ig	Decimal
21	PUMP_INSTALLED	Name/Brand name of the pump	Text
22	INTAKE_SETTING_BTC	Intake Setting (BTC) in ft	Decimal
23	DRILLER_COMMENTS	Drillers Comments during Well work	Text
24	OVERALL_WELL_DEPTH	Overall Well Depth in ft	Decimal
25	BEDROCK_LEVEL	Bedrock Level in ft	Decimal
26	DRILLING_FLUID_USED	Fluid used during well drilling	Text
27	SAMPLE_DATE	Date of the sample	Date
28	SAMPLE_YEAR	Year of the sample	Integer
29	LATITUDE	Latitude of the Well	Decimal
30	LONGITUDE	Longitude of the Well	Decimal
31	ACD_G	Acidity – Grans Details	Decimal
32	ALK_G	Alkalinity – Grans Details	Decimal
33	ALK_G_FLAG	Flags in Data	Text
34	ALK_T_AS_CACO3	Alkalinity – Total Details	Decimal
35	ALK_T_AS_CACO3_FLAG	Flags in Data	Text
36	ALK_T	Alkalinity – Total Details	Decimal

37	ALK_T_FLAG	Flags in Data	Text
38	AG	Silver	Decimal
39	AG_FLAG	Flags in Data	Text
40	AL	Aluminum Details	Decimal
41	AL_FLAG	Flags in Data	Text
42	AS_MGL	Arsenic Details in mg/L unit	Decimal
43	AS_MGL_FLAG	Flags in Data	Text
44	AS	Arsenic Details	Decimal
45	AS_FLAG	Flags in Data	Text
46	B	Boron	Decimal
47	B_FLAG	Flags in Data	Text
48	BE_X	Beryllium	Decimal
49	BE_X_FLAG	Flags in Data	Text
50	BR2	Bromine	Decimal
51	BR2_FLAG	Flags in Data	Text
52	BA	Barium	Decimal
53	BA_FLAG	Flags in Data	Text
54	BI	Bismuth	Decimal
55	BI_FLAG	Flags in Data	Text
56	BR	Bromine	Decimal
57	BR_FLAG	Flags in Data	Text
58	CALC_COND	Conductivity Data - Calculated	Decimal
59	CALC_TDS	Total Dissolved Solids - Calculated	Decimal
60	CALC_TDS_FLAG	Flags in Data	Text
61	CALC_B	Boron - Calculated	Decimal
62	CALC_C	Carbon - Calculated	Decimal
63	CALC_AN	Total Anions - Calculated	Decimal
64	CALC_AN_FLAG	Flags in Data	Text
65	CALC_CAT	Total Cations – Calculated	Decimal
66	CALC_CAT_FLAG	Flags in Data	Text
67	CALC_CO3	Carbonate - Calculated	Decimal
68	CALC_DIFB	% Difference Cation/Anion Balance	Decimal
69	CALC_DIFC	% Difference in Calculated COND and COND	Decimal
70	CALC_DIFTDS	% Difference in Calculated TDS and TDS	Decimal
71	CALC_HCO3	Bicarbonate – Calculated	Decimal
72	CALC_OH	Hydroxide - Calculated	Decimal
73	CALC_SIN	Saturation Index – Calculated	Decimal
74	CLRA	Colour Details	Integer
75	CLRT	Colour (TCU) Details	Integer
76	CLRT_FLAG	Flags in Data	Text
77	COND	Conductivity	Decimal
78	COND_FLAG	Flags in Data	Text
79	CA	Calcium Details	Decimal
80	CA_FLAG	Flags in Data	Text

81	CD_MGL	Cadmium Details in mg/L unit	Decimal
82	CD_MGL_FLAG	Flags in Data	Text
83	CD	Cadmium Details	Decimal
84	CD_FLAG	Flags in data	Text
85	CL	Chloride Details	Decimal
86	CL_FLAG	Flags in Data	Text
87	CO	Cobalt	Decimal
88	CO_FLAG	Flags in Data	Text
89	CR_MGL	Chromium in mg/L unit	Decimal
90	CR_MGL_FLAG	Flags in Data	Text
91	CR	Chromium	Decimal
92	CR_FLAG	Flags in Data	Text
93	CU_MGL	Copper Details in mg/L unit	Decimal
94	CU_MGL_FLAG	Flags in Data	Text
95	CU	Copper Details	Decimal
96	CU_FLAG	Flags in data	Text
97	E_COLI_MPN_CFU	E. coli concentration	Integer
98	E_COLI_MPN	E. coli concentration	Decimal
99	E_COLI_MPN_FLAG	Flags in Data	Text
100	E_COLI_P_A_FLAG	Flags in Data	Text
101	F	Fluoride details	Decimal
102	F_FLAG	Flags in Data	Text
103	FC_MF_FLAG	Flags in Data	Text
104	FE	Iron	Decimal
105	FE_FLAG	Flags in Data	Text
106	HARD_AS_CACO3	Hardness	Decimal
107	HARD_AS_CACO3_FLAG	Flags in Data	Text
108	HARD	Hardness	Decimal
109	HARD_FLAG	Flags in data	Text
110	K	Potassium	Decimal
111	K_FLAG	Flags in Data	Text
112	LSI	Langelier Saturation Index	Decimal
113	LI	Lithium	Decimal
114	LI_FLAG	Flags in Data	Text
115	MG	Magnesium	Decimal
116	MG_FLAG	Flags in Data	Text
117	MN	Manganese	Decimal
118	MN_FLAG	Flags in Data	Text
119	MO	Molybdenum	Decimal
120	MO_FLAG	Flags in Data	Text
121	NH3T_AS_N	Ammonia – Total (as N) Details	Decimal
122	NH3T_AS_N_FLAG	Flags in Data	Text
123	NH3T	Ammonia – Total (as N) Details	Decimal
124	NH3T_FLAG	Flags in Data	Text
125	NO2_AS_N	Nitrite	Decimal
126	NO2_AS_N_FLAG	Flags in Data	Text

127	NO2	Nitrite	Decimal
128	NO2_FLAG	Flags in Data	Text
129	NO3_AS_N	Nitrite	Decimal
130	NO3_AS_N_FLAG	Flags in Data	Text
131	NO3	Nitrite	Decimal
132	NO3_FLAG	Flags in Data	Text
133	NOX_AS_N	Nitrogen Oxides	Decimal
134	NOX_AS_N_FLAG	Flags in Data	Text
135	NOX	Nitrogen Oxides	Decimal
136	NOX_FLAG	Flags in data	Text
137	NA	Sodium	Decimal
138	NA_FLAG	Flags in Data	Text
139	NI_MGL	Nickel in mg/L unit	Decimal
140	NI_MGL_FLAG	Flags in data	Text
141	NI	Nickel	Decimal
142	NI_FLAG	Flags in data	Text
143	PB_MGL	Lead in mg/L unit	Decimal
144	PB_MGL_FLAG	Flags in Data	Text
145	PB	Lead	Decimal
146	PB_FLAG	Flags in Data	Text
147	RB	Rubidium	Decimal
148	SO4	Sulphate	Decimal
149	SO4_FLAG	Flags in Data	Text
150	SB_MGL	Antimony in mg/L unit	Decimal
151	SB_MGL_FLAG	Flags in Data	Text
152	SB	Antimony	Decimal
153	SB_FLAG	Flags in Data	Text
154	SE_MGL	Selenium in mg/L unit	Decimal
155	SE_MGL_FLAG	Flags in Data	Text
156	SE	Selenium	Decimal
157	SE_FLAG	Flags in Data	Text
158	SN	Tin	Decimal
159	SN_FLAG	Flags in Data	Text
160	SR	Strontium	Decimal
161	SR_FLAG	Flags in Data	Text
162	TC_MF	Total Coliforms, Membrane filtration	Decimal
163	TC_MF_FLAG	Flags in Data	Text
164	TC_MPN_CFU	Total Coliform, Most Probable Number	Decimal
165	TC_MPN_CFU_FLAG	Flags in Data	Text
166	TC_MPN	Total Coliform, Most Probable Number	Decimal
167	TC_MPN_FLAG	Flags in Data	Text
168	TC_P_A_FLAG	Flags in Data	Text
169	TOC	Total Organic Carbon	Decimal
170	TP	Total Phosphorus	Decimal

171	TP_FLAG	Flags in Data	Text
172	TP_L	Total Phosphorus - Low	Decimal
173	TP_L_FLAG	Flags in Data	Text
174	TURB	Turbidity Data	Decimal
175	TURB_FLAG	Flags in Data	Text
176	TE	Tellurium	Decimal
177	TE_FLAG	Flags in Data	Text
178	TL_MGL	Thallium in mg/L unit	Decimal
179	TL_MGL_FLAG	Flags in Data	Text
180	TL	Thallium	Decimal
181	TL_FLAG	Flags in data	Text
182	U_MGL	Uranium in mg/L unit	Decimal
183	U_MGL_FLAG	Flags in Data	Text
184	U	Uranium	Decimal
185	U_FLAG	Flags in Data	Text
186	V	Vanadium	Decimal
187	V_FLAG	Flags in Data	Text
188	ZN_MGL	Zinc in mg/L unit	Decimal
189	ZN_MGL_FLAG	Flags in Data	Text
190	ZN	Zinc	Decimal
191	ZN_FLAG	Flags in Data	Text
192	PH	pH Data	Decimal
193	PH_FLAG	Flags in Data	Text
194	PHS	pH at saturation	Decimal

REPORT_NUMBER
Unique ID of a Well-log record.

PID
One PID can have multiple wells on it.

WELL_TAG_ID
Unique ID of a Well.

WELL_USE
If it is a drinking water or non-drinking.

SUBCATEGORY
Subcategory of well. E.g. domestic, industrial, etc.

WORK_TYPE
New well drilling or other work.

DRILL_METHOD
Method used for drilling.

WORK_COMPLETED
When drilling work completed.

CASING_ABOVE_GROUND
Casing above ground in inches.

DRIVE_SHOE_USED
Whether drive shoe used. Binary value.

INITIAL_WATER_LEVEL_BTC
Initial Water Level (BTC) in ft.

METHOD
Air, Bailer, or Pump.

PUMPING_RATE
Pumping Rate in igpm.

DURATION
Duration in hrs.

FINAL_WATER_LEVEL_BTC
Final Water Level (BTC) in ft.

ESTIMATED_SAFE_YIELD
Estimated Safe Yield in igpm.

FLOWING_WELL
Whether a flowing well. Binary value.

RATE
Rate in igpm.

DISINFECTANT
Disinfectant used.

QTY
Qty in ig.

PUMP_INSTALLED
Name/Brand name of the pump.

INTAKE_SETTING_BTC
Intake Setting (BTC) in ft.

DRILLER_COMMENTS
Driller's Comments during Well work.

OVERALL_WELL_DEPTH
Overall Well Depth in ft.

BEDROCK_LEVEL
Bedrock Level in ft.

DRILLING_FLUID_USED
Fluid used during well drilling.

SAMPLE_DATE
Date of the sample.

SAMPLE_YEAR
Year of the sample.

LATITUDE
Latitude of the Well.

LONGITUDE
Longitude of the Well.

ACD_G
Acidity – Grans Details.

ALK_G
Alkalinity – Grans Details.

ALK_G_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	

L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
~	

ALK_T_AS_CACO3

Alkalinity – Total Details.

ALK_T_AS_CACO3_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	

Code	Description
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
<	

ALK_T
Alkalinity – Total Details.

ALK_T_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
~		

AG
Silver.

AG_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
<		

AL

Aluminum Details.

AL_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	

L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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AS_MGL
Arsenic Details in mg/L unit.

AS_MGL_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	

V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
<		

AS
Arsenic Details.

AS_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
<		

B
Boron

B_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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Multi		

BE_X
Beryllium.

BE_X_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	

I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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BR2
Bromine.

BR2_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	

U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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BA
Barium.

BA_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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BI
Bismuth.

BI_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
<		

BR
Bromine.

BR_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	

G	Greater than result shown, unable to quantitate
I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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CALC_COND
Conductivity Data – Calculated.

CALC_TDS
Total Dissolved Solids – Calculated.

CALC_TDS_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	

Code	Description
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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CALC_B
Boron – Calculated.

CALC_C
Carbon – Calculated.

CALC_AN
Total Anions – Calculated.

CALC_AN_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	

U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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CALC_CAT
Total Cations – Calculated.

CALC_CAT_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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CALC_CO3
Carbonate – Calculated.

CALC_DIFB
% Difference Cation/Anion Balance.

CALC_DIFC
% Difference in Calculated COND and COND.

CALC_DIFTDS
% Difference in Calculated TDS and TDS.

CALC_HCO3
Bicarbonate – Calculated.

CALC_OH
Hydroxide – Calculated.

CALC_SIN
Saturation Index – Calculated.

CLRA
Colour Details.

CLRT
Colour (TSU) Details.

CLRT_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	

S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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COND
Conductivity.

COND_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses	

	between federal & provincial laboratories
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CA

Calcium Details.

CA_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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CD_MGL

Cadmium Details in mg/L unit.

CD_MGL_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	

Code	Description
B	Lab error/blunder
C	Calculated val
F	Result to follow
G	Greater than result shown, unable to quantitate
I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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CD
Cadmium Details.

CD_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	

Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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CL
Chloride Details.

CL_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses	

	between federal & provincial laboratories
<	

CO
Cobalt.

CO_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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CR_MGL
Chromium in mg/L unit.

CR_MGL_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	

B	Lab error/blunder
C	Calculated val
F	Result to follow
G	Greater than result shown, unable to quantitate
I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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CR
Chromium.

CR_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	

Code	Description
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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CU_MGL
Copper Details in mg/L unit.

CU_MGL_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses	

	between federal & provincial laboratories
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CU
Copper Details.

CU_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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E_COLI_MPN_CFU
E. coli concentration.

E_COLI_MPN
E. coli concentration.

E_COLI_MPN_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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>		
Ab		
ND		
Pr		

E_COLI_P_A_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	

I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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~	
Ab	
ND	
Pr	

F
Fluoride Details.

F_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	

Code	Description
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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FC_MF_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
ND		

FE
Iron.

FE_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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HARD_AS_CACO3
Hardness.

HARD_AS_CACO3_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	

F	Result to follow
G	Greater than result shown, unable to quantitate
I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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HARD
Hardness.

HARD_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	

S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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Multi	
Z	

K

Potassium.

K_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating	

	comparable methods of analyses between federal & provincial laboratories
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LSI
Langelier Saturation Index.

LI
Lithium.

LI_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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MG
Magnesium.

MG_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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MN
Manganese.

MN_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	

L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*****	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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MO
Molybdenum.

MO_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	

V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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NH3T_AS_N
Ammonia – Total (as N) Details.

NH3T_AS_N_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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NH3T
Ammonia – total (as N) Details.

NH3T_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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NO2_AS_N
Nitrite.

NO2_AS_N_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	

L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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NO2
Nitrite.

NO2_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	

V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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NO3_AS_N
Nitrite.

NO3_AS_N_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	

NO3
Nitrite.

NO3_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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Multi		
Z		

NOX_AS_N
Nitrogen Oxides.

NOX_AS_N_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	

I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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NOX
Nitrogen Oxides.

NOX_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	

U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
<	

NA

Sodium.

NA_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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NI_MGL

Nickel in mg/L unit.

NI_MGL_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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NI

Nickel.

NI_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	

G	Greater than result shown, unable to quantitate
I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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PB_MGL
Lead in mg/L unit.

PB_MGL_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	

T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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PB
Lead.

PB_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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RB

Rubidium.

SO4

Sulphate.

SO4_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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SB_MGL

Antimony in mg/L unit.

SB_MGL_FLAG

Flags in Data.

Code	Description - English	Description - French

A	Approximate value
B	Lab error/blunder
C	Calculated val
F	Result to follow
G	Greater than result shown, unable to quantitate
I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*****	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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SB
Antimony.

SB_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	

N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*****	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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SE_MGL

Selenium in mg/L unit.

SE_MGL_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	

*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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SE
Selenium.

SE_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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Multi		

SN
Tin.

SN_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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SR
Strontium.

SR_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	

L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*****	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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TC_MF

Total Coliforms, Membrane filtration.

TC_MF_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	

V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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TC_MPN_CFU

Total Coliform, Most Probable Number.

TC_MPN_CFU_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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TC_MPN

Total Coliform, Most Probable Number.

TC_MPN_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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TC_P_A_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	

G	Greater than result shown, unable to quantitate
I	Interferences present
L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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ND	
Pr	

TOC
Total Organic Carbon.

TP
Total Phosphorus.

TP_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	

L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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TP_L
Total Phosphorus – Low.

TP_L_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	

V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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TURB
Turbidity Data.

TURB_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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TE
Tellurium.

TE_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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TL_MGL

Thallium in mg/L unit.

TL_MGL_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	

L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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TL
Thallium.

TL_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	

V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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U_MGL
Uranium in mg/L unit.

U_MGL_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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U
Uranium.

U_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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V

Vanadium.

V_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	

L	Detected at a level below method detection limit
M	Missing result
N	No sample bottle received at the laboratory
Q	Results not quality assured
S	Sample received in inappropriate condition/time
T	Trace – estimate of value between zero and detection limit
U	Undefined
V	Insufficient volume to perform analysis
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories
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ZN_MGL
Zinc in mg/L unit.

ZN_MGL_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	

V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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ZN
Zinc

ZN_FLAG
Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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PH
pH Data.

PH_FLAG

Flags in Data.

Code	Description - English	Description - French
A	Approximate value	
B	Lab error/blunder	
C	Calculated val	
F	Result to follow	
G	Greater than result shown, unable to quantitate	
I	Interferences present	
L	Detected at a level below method detection limit	
M	Missing result	
N	No sample bottle received at the laboratory	
Q	Results not quality assured	
S	Sample received in inappropriate condition/time	
T	Trace – estimate of value between zero and detection limit	
U	Undefined	
V	Insufficient volume to perform analysis	
*	VMV Code: (Valid Method Variable) # indicating comparable methods of analyses between federal & provincial laboratories	
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PHS

pH at saturation.

Document History

Version	Author	Nature of Change	Date
1.0	NB-IRDT STAFF	Creation of Document	February, 2024
Approved by		Approval Date	Review Date