NH DIVISION OF
Public Health Services
Improving health, preventing disease, reducing costs for all

New Hampshire Public Health Laboratories
Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone: (603) 271-3445

Friday, June 18, 2021

CHRISTINA GOODWIN
TOWN OF BRISTOL
5 SCHOOL ST
BRISTOL NH 03222

RE: Workorder: B103445 - SPECIAL
Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Dear CHRISTINA GOODWIN:

Enclosed are the analytical results for the sample(s) received by the laboratory on Thursday, Jun 10, 2021. Unless indicated as exceptions, the sample(s) met EPA requirements for hold times, preservation techniques, container types and other receipt conditions. Please contact us if you need measurement uncertainty values associated with radiological parameters. Results reported conform to the most current NELAC standard, where applicable, unless otherwise narrated in the body of the report. Any results reported for samples subcontracted to another laboratory are indicated on the report. Please refer to https://www4.des.nh.gov/CertifiedLabs/Certified-Method.aspx for a copy of our current NELAP certificate and accredited parameters.

We appreciate the opportunity to provide this analytical service for you. If you have any questions regarding this report or your results, please feel free to contact us. We value your feedback please send comments to lucio.barinelli@dhhs.nh.gov.

The following signature indicates technical review and acceptance of the data.

Sincerely,

Lucio S. Barinelli, Ph.D.

Authorized Signature

Enclosures

NH DIVISION OF
Public Health Services
Improving health, preventing disease, reducing costs for all

New Hampshire Public Health Laboratories
Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone: (603) 271-3445
Fax: (603) 271-4783

DATA QUALIFIER DESCRIPTIONS

Workorder: B103445 - SPECIAL

Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

The following are a list of some column headers and abbreviations with their meanings as used throughout the analysis report. Referring to them will assist you in interpreting your report.

RDL= The lowest value the laboratory calibrates its instrumentation for this parameter. Any instrumental estimate of results below the Report Limit is reported as Not Detected (ND).

DF= For some heavily contaminated samples, the laboratory must dilute samples to keep the final number within its calibration scale. This is referred to as the Dilution Factor. Final results and reporting limits are adjusted relative to the DF used.

QUAL= Indicates that the result has been qualified. Refer to the Analytical Report Comments and Qualifiers page for details.

LIMIT= Reflects the Maximum Contamination Level (MCL), if one exists, a secondary or recommended level or another State or Federal action level.

Surrogates = For some analyses, the laboratory adds a number of compounds to monitor analytical performance. These results are provided for your information.

> = Greater than	< = Less than
mg/L = milligrams per Liter	ug/L = micrograms per Liter
mg/kg = milligrams per kilogram	ug/kg = micrograms per kilogram
P-A = Present/Absent	CTS/100 mL = Counts per 100 milliliters
CFU = Colony forming unit	MPN = Most Probable Number
pCi/L = picoCuries per Liter	

J = Estimated value; analyte detected at less than the Reporting Limit but greater than the laboratory's Method Detection Limit.

B = Analyte detected in the method blank for the batch of samples. Its presence in the sample may be suspect.

E = Estimated value; result exceeded the upper calibration level for the parameter.

Radiological results are expressed as a number + an uncertainty factor. Uncertainty is a calculated measure of the precision around the reported value.

All results for pH and residual chlorine samples analyzed more than 15 minutes after time of collection shall be considered QUALIFIED.

For assistance in interpreting your lab results and obtaining information regarding water treatment; go to www.des.nh.gov and search "Be Well Informed." Or go to http://xml2.des.state.nh.us/DWITool/.

NH DIVISION OF
Public Health Services
Improving health, preventing disease, reducing costs for all

New Hampshire Public Health Laboratories
Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone: (603) 271-3445
Fax: (603) 271-4783

SAMPLE SUMMARY

Workorder: B103445 - SPECIAL

Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID	Sample ID	Ref ID	Matrix	Date Collected	Date Received	Misc Info
B103445001	PLANKEY SPRING	BRISTOL	WATER	6/10/2021 10:55	6/10/2021	

NH DIVISION OF
Public Health Services
Improving health, preventing disease, reducing costs for all

New Hampshire Public Health Laboratories
Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone: (603) 271-3445
Fax: (603) 271-4783

ANALYTICAL RESULTS

Workorder: B103445 - SPECIAL
Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID: **B103445001** Matrix: WATER
Sample ID: **PLANKEY SPRING** Sample Type: SAMPLE
Description: BRISTOL Collector : CARROLL BROWN

Parameters	Results	Units	RDL	DF	Prepared	Analyzed	Limit	Qual
Microbiology								
Preparation Method: SM 9223B								
Analytical Method: SM 9223B								
Total Coliform, P/A, CHR/FLU	ABSENT	P-A/100mL		1	6/10/2021 13:33	6/11/2021 09:30		
E.Coli, P/A, CHR/FLU	ABSENT	P-A/100mL		1	6/10/2021 13:33	6/11/2021 09:30		
Inorganics								
Analytical Method: EPA 200.7								
Copper	ND	mg/L	0.050	1		6/15/2021 12:36	1.3	
Copper, Stagnant	ND	mg/L	0.050	1		6/14/2021 12:59	1.3	
Hardness	15.1	mg/L	3	1		6/15/2021 12:36		
Iron	ND	mg/L	0.050	1		6/15/2021 12:36	0.3	
Manganese	ND	mg/L	0.010	1		6/15/2021 12:36	0.05	
Sodium	3.13	mg/L	1.00	1		6/15/2021 12:36	250	
Analytical Method: EPA 200.8								
Arsenic	ND	mg/L	0.0010	1		6/15/2021 13:21	0.01	
Lead	ND	mg/L	0.0010	1		6/15/2021 13:21	0.015	
Lead, Stagnant	ND	mg/L	0.0010	1		6/15/2021 10:51	0.015	
Uranium	ND	ug/L	1.0	1		6/15/2021 13:21	30	
Volatiles								
Analytical Method: EPA 524.2								
Acetone	ND	ug/L	10	1		6/10/2021 14:13		
Benzene	ND	ug/L	0.5	1		6/10/2021 14:13	5	
Bromobenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
Bromochloromethane	ND	ug/L	0.5	1		6/10/2021 14:13		
Bromodichloromethane	ND	ug/L	0.5	1		6/10/2021 14:13		
Bromoform	ND	ug/L	0.5	1		6/10/2021 14:13		
Bromomethane	ND	ug/L	0.5	1		6/10/2021 14:13		
t-Butanol (TBA)	ND	ug/L	10	1		6/10/2021 14:13		
2-Butanone(MEK)	ND	ug/L	10	1		6/10/2021 14:13		
n-Butylbenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
sec-Butylbenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
t-Butylbenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
Carbon disulfide	ND	ug/L	0.5	1		6/10/2021 14:13		
Carbon tetrachloride	ND	ug/L	0.5	1		6/10/2021 14:13	5	
Chlorobenzene	ND	ug/L	0.5	1		6/10/2021 14:13	100	

NH DIVISION OF
Public Health Services
Improving health, preventing disease, reducing costs for all

New Hampshire Public Health Laboratories
Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone: (603) 271-3445
Fax: (603) 271-4783

ANALYTICAL RESULTS

Workorder: B103445 - SPECIAL

Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID: **B103445001** Matrix: WATER

Sample ID: **PLANKEY SPRING** Sample Type: SAMPLE

Description: BRISTOL Collector : CARROLL BROWN

Parameters	Results	Units	RDL	DF	Prepared	Analyzed	Limit	Qual
Chloroethane	ND	ug/L	0.5	1		6/10/2021 14:13		
Chloroform	ND	ug/L	0.5	1		6/10/2021 14:13		
Chloromethane	ND	ug/L	2.0	1		6/10/2021 14:13		
2-Chlorotoluene	ND	ug/L	0.5	1		6/10/2021 14:13		
4-Chlorotoluene	ND	ug/L	0.5	1		6/10/2021 14:13		
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		6/10/2021 14:13		
Dibromochloromethane	ND	ug/L	0.5	1		6/10/2021 14:13		
1,2-Dibromoethane(EDB)	ND	ug/L	0.5	1		6/10/2021 14:13		
Dibromomethane	ND	ug/L	0.5	1		6/10/2021 14:13		
1,4-Dichlorobenzene	ND	ug/L	0.5	1		6/10/2021 14:13	75	
1,3-Dichlorobenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
1,2-Dichlorobenzene	ND	ug/L	0.5	1		6/10/2021 14:13	600	
Dichlorodifluoromethane	ND	ug/L	0.5	1		6/10/2021 14:13		
1,2-Dichloroethane	ND	ug/L	0.5	1		6/10/2021 14:13	5	
1,1-Dichloroethane	ND	ug/L	0.5	1		6/10/2021 14:13		
cis-1,2-Dichloroethene	ND	ug/L	0.5	1		6/10/2021 14:13	70	
trans-1,2-Dichloroethene	ND	ug/L	0.5	1		6/10/2021 14:13	100	
1,1-Dichloroethene	ND	ug/L	0.5	1		6/10/2021 14:13	7	
1,3-Dichloropropane	ND	ug/L	0.5	1		6/10/2021 14:13		
2,2-Dichloropropane	ND	ug/L	0.5	1		6/10/2021 14:13		
1,2-Dichloropropane	ND	ug/L	0.5	1		6/10/2021 14:13	5	
cis-1,3-Dichloropropene	ND	ug/L	0.5	1		6/10/2021 14:13		
trans-1,3-Dichloropropene	ND	ug/L	0.5	1		6/10/2021 14:13		
1,1-Dichloropropene	ND	ug/L	0.5	1		6/10/2021 14:13		
Diethyl ether	ND	ug/L	0.5	1		6/10/2021 14:13		
Diisopropyl ether (DIPE)	ND	ug/L	0.5	1		6/10/2021 14:13		
Ethyl-t-butyl ether (ETBE)	ND	ug/L	0.5	1		6/10/2021 14:13		
Ethylbenzene	ND	ug/L	0.5	1		6/10/2021 14:13	700	
Hexachlorobutadiene	ND	ug/L	0.5	1		6/10/2021 14:13		
2-Hexanone	ND	ug/L	10	1		6/10/2021 14:13		
Isopropylbenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
p-Isopropyltoluene	ND	ug/L	0.5	1		6/10/2021 14:13		
2-Methoxy-2-methylbutane(TAME)	ND	ug/L	0.5	1		6/10/2021 14:13		
4-Methyl-2-pentanone(MIBK)	ND	ug/L	10	1		6/10/2021 14:13		
Methyl-t-butylether(MTBE)	ND	ug/L	0.5	1		6/10/2021 14:13	13	
Methylene Chloride	ND	ug/L	0.5	1		6/10/2021 14:13	5	
Naphthalene	ND	ug/L	0.5	1		6/10/2021 14:13		
n-Propylbenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
Styrene	ND	ug/L	0.5	1		6/10/2021 14:13	100	

NH DIVISION OF
Public Health Services
Improving health, preventing disease, reducing costs for all

New Hampshire Public Health Laboratories
Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone: (603) 271-3445
Fax: (603) 271-4783

ANALYTICAL RESULTS

Workorder: B103445 - SPECIAL
Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID: **B103445001** Matrix: WATER
Sample ID: **PLANKEY SPRING** Sample Type: SAMPLE
Description: BRISTOL Collector : CARROLL BROWN

Parameters	Results	Units	RDL	DF	Prepared	Analyzed	Limit	Qual
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1		6/10/2021 14:13		
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1		6/10/2021 14:13		
Tetrachloroethene	ND	ug/L	0.5	1		6/10/2021 14:13	5	
Tetrahydrofuran(THF)	ND	ug/L	10	1		6/10/2021 14:13		
Toluene	ND	ug/L	0.5	1		6/10/2021 14:13	1000	
1,3,5-Trichlorobenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
1,2,4-Trichlorobenzene	ND	ug/L	0.5	1		6/10/2021 14:13	70	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
1,1,1-Trichloroethane	ND	ug/L	0.5	1		6/10/2021 14:13	200	
1,1,2-Trichloroethane	ND	ug/L	0.5	1		6/10/2021 14:13	5	
Trichloroethene	ND	ug/L	0.5	1		6/10/2021 14:13	5	
Trichlorofluoromethane	ND	ug/L	0.5	1		6/10/2021 14:13		
1,2,3-Trichloropropane	ND	ug/L	0.5	1		6/10/2021 14:13		
1,3,5-Trimethylbenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
1,2,4-Trimethylbenzene	ND	ug/L	0.5	1		6/10/2021 14:13		
Vinyl Chloride	ND	ug/L	0.5	1		6/10/2021 14:13	2	
m/p-Xylene	ND	ug/L	1.0	1		6/10/2021 14:13		
o-Xylene	ND	ug/L	0.5	1		6/10/2021 14:13		
Total Xylenes	ND	ug/L	1.5	1		6/10/2021 14:13	10000	
Surrogates								
4-Bromofluorobenzene	79	%		1		6/10/2021 14:13		
1,2-Dichlorobenzene-d4	81	%		1		6/10/2021 14:13		
Wet Chemistry								
Analytical Method: LACHAT 10-117-07-1-B								
Chloride	ND	mg/L	3.0	1		6/10/2021 15:12	250	
Analytical Method: LACHAT 10-107-04-1-C								
Nitrate-Nitrogen	ND	mg/L	0.050	1		6/10/2021 15:12	10	
Analytical Method: SM 4500-H+B								
pH	6.67	units	1.0	1		6/10/2021 15:23		
Analytical Method: LACHAT 10-109-12-2-A								
Fluoride	ND	mg/L	0.20	1		6/10/2021 15:12	4	
Analytical Method: LACHAT 10-107-04-1-C								
Nitrite-Nitrogen	ND	mg/L	0.050	1		6/10/2021 15:12	1	

REPORT OF LABORATORY ANALYSIS

NH DIVISION OF
Public Health Services
Improving health, preventing disease, reducing costs for all

New Hampshire Public Health Laboratories
Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone: (603) 271-3445
Fax: (603) 271-4783

ANALYTICAL RESULTS

Workorder: B103445 - SPECIAL
Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID: **B103445001**
Sample ID: **PLANKEY SPRING**
Description: BRISTOL
Matrix: WATER
Sample Type: SAMPLE
Collector : CARROLL BROWN

Parameters	Results	Units	RDL	DF	Prepared	Analyzed	Limit	Qual
Analytical Method: LACHAT 10-107-04-1-C								
Nitrate+Nitrite-Nitrogen	ND	mg/L	0.050	1		6/10/2021 15:12		