

RE: Workorder: B203088 - 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 Tuesday, May 31, 2022. 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 NELAP 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.

Program Manager

Authorized Signature

Enclosures

REPORT OF LABORATORY ANALYSIS

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DATA QUALIFIER DESCRIPTIONS

Workorder: B203088 - 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/>.

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SAMPLE SUMMARY

Workorder: B203088 - SPECIAL

Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID	Sample ID	Ref ID	Matrix	Date Collected	Date Received	Misc Info
B203088001	PLANKEY SPRING	BRISTOL	WATER	5/31/2022 14:33	5/31/2022	

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ANALYTICAL RESULTS

Workorder: B203088 - SPECIAL

Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID: **B203088001**
Sample ID: **PLANKEY SPRING**
Description: **BRISTOL**

Matrix: **WATER**
Sample Type: **SAMPLE**
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	5/31/2022 16:05	6/1/2022 12:51		
E.Coli, P/A, CHR/FLU	ABSENT	P-A/100mL		1	5/31/2022 16:05	6/1/2022 12:51		
Inorganics								
Analytical Method: EPA 200.7								
Copper	ND	mg/L	0.050	1		6/9/2022 10:26	1.3	
Hardness	14.9	mg/L	3	1		6/9/2022 10:26		
Iron	ND	mg/L	0.050	1		6/9/2022 10:26	0.3	
Manganese	ND	mg/L	0.010	1		6/9/2022 10:26	0.3	
Sodium	3.14	mg/L	1.00	1		6/9/2022 10:26	250	
Analytical Method: EPA 200.8								
Arsenic	ND	mg/L	0.0010	1		6/10/2022 12:32	0.005	
Lead	ND	mg/L	0.0010	1		6/10/2022 12:32	0.015	
Uranium	ND	ug/L	1.0	1		6/10/2022 12:32	30	
Volatiles								
Analytical Method: EPA 524.2								
Acetone	ND	ug/L	10	1		6/2/2022 14:12		
Benzene	ND	ug/L	0.5	1		6/2/2022 14:12	5	
Bromobenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
Bromochloromethane	ND	ug/L	0.5	1		6/2/2022 14:12		
Bromodichloromethane	ND	ug/L	0.5	1		6/2/2022 14:12		
Bromoform	ND	ug/L	0.5	1		6/2/2022 14:12		
Bromomethane	ND	ug/L	0.5	1		6/2/2022 14:12		
t-Butanol (TBA)	ND	ug/L	10	1		6/2/2022 14:12		
2-Butanone(MEK)	ND	ug/L	10	1		6/2/2022 14:12		
n-Butylbenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
sec-Butylbenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
t-Butylbenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
Carbon disulfide	ND	ug/L	0.5	1		6/2/2022 14:12		
Carbon tetrachloride	ND	ug/L	0.5	1		6/2/2022 14:12	5	
Chlorobenzene	ND	ug/L	0.5	1		6/2/2022 14:12	100	
Chloroethane	ND	ug/L	0.5	1		6/2/2022 14:12		
Chloroform	ND	ug/L	0.5	1		6/2/2022 14:12		

Date: 06/20/2022

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ANALYTICAL RESULTS

Workorder: B203088 - SPECIAL

Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID: **B203088001**
Sample ID: **PLANKEY SPRING**
Description: **BRISTOL**

Matrix: **WATER**
Sample Type: **SAMPLE**
Collector : **CARROLL BROWN**

Parameters	Results	Units	RDL	DF	Prepared	Analyzed	Limit	Qual
Chloromethane	ND	ug/L	2.0	1		6/2/2022 14:12		
2-Chlorotoluene	ND	ug/L	0.5	1		6/2/2022 14:12		
4-Chlorotoluene	ND	ug/L	0.5	1		6/2/2022 14:12		
Dibromochloromethane	ND	ug/L	0.5	1		6/2/2022 14:12		
Dibromomethane	ND	ug/L	0.5	1		6/2/2022 14:12		
1,4-Dichlorobenzene	ND	ug/L	0.5	1		6/2/2022 14:12	75	
1,3-Dichlorobenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
1,2-Dichlorobenzene	ND	ug/L	0.5	1		6/2/2022 14:12	600	
Dichlorodifluoromethane	ND	ug/L	0.5	1		6/2/2022 14:12		
1,2-Dichloroethane	ND	ug/L	0.5	1		6/2/2022 14:12	5	
1,1-Dichloroethane	ND	ug/L	0.5	1		6/2/2022 14:12		
cis-1,2-Dichloroethene	ND	ug/L	0.5	1		6/2/2022 14:12	70	
trans-1,2-Dichloroethene	ND	ug/L	0.5	1		6/2/2022 14:12	100	
1,1-Dichloroethene	ND	ug/L	0.5	1		6/2/2022 14:12	7	
1,3-Dichloropropane	ND	ug/L	0.5	1		6/2/2022 14:12		
2,2-Dichloropropane	ND	ug/L	0.5	1		6/2/2022 14:12		
1,2-Dichloropropane	ND	ug/L	0.5	1		6/2/2022 14:12	5	
cis-1,3-Dichloropropene	ND	ug/L	0.5	1		6/2/2022 14:12		
trans-1,3-Dichloropropene	ND	ug/L	0.5	1		6/2/2022 14:12		
1,1-Dichloropropene	ND	ug/L	0.5	1		6/2/2022 14:12		
Diethyl ether	ND	ug/L	0.5	1		6/2/2022 14:12		
Diisopropyl ether (DIPE)	ND	ug/L	0.5	1		6/2/2022 14:12		
Ethyl-t-butyl ether (ETBE)	ND	ug/L	0.5	1		6/2/2022 14:12		
Ethylbenzene	ND	ug/L	0.5	1		6/2/2022 14:12	700	
Hexachlorobutadiene	ND	ug/L	0.5	1		6/2/2022 14:12		
2-Hexanone	ND	ug/L	10	1		6/2/2022 14:12		
Isopropylbenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
p-Isopropyltoluene	ND	ug/L	0.5	1		6/2/2022 14:12		
2-Methoxy-2-methylbutane(TAME)	ND	ug/L	0.5	1		6/2/2022 14:12		
4-Methyl-2-pentanone(MIBK)	ND	ug/L	10	1		6/2/2022 14:12		
Methyl-t-butylether(MTBE)	ND	ug/L	0.5	1		6/2/2022 14:12	13	
Methylene Chloride	ND	ug/L	0.5	1		6/2/2022 14:12	5	
Naphthalene	ND	ug/L	0.5	1		6/2/2022 14:12		
n-Propylbenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
Styrene	ND	ug/L	0.5	1		6/2/2022 14:12	100	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1		6/2/2022 14:12		
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1		6/2/2022 14:12		
Tetrachloroethene	ND	ug/L	0.5	1		6/2/2022 14:12	5	
Tetrahydrofuran(THF)	ND	ug/L	10	1		6/2/2022 14:12		

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ANALYTICAL RESULTS

Workorder: B203088 - SPECIAL

Project ID: 9990250 - BRISTOL CONSERVATION COMM - BRISTOL

Lab ID: **B203088001**
Sample ID: **PLANKEY SPRING**
Description: **BRISTOL**

Matrix: **WATER**
Sample Type: **SAMPLE**
Collector : **CARROLL BROWN**

Parameters	Results	Units	RDL	DF	Prepared	Analyzed	Limit	Qual
Toluene	ND	ug/L	0.5	1		6/2/2022 14:12	1000	
1,3,5-Trichlorobenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
1,2,4-Trichlorobenzene	ND	ug/L	0.5	1		6/2/2022 14:12	70	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
1,1,1-Trichloroethane	ND	ug/L	0.5	1		6/2/2022 14:12	200	
1,1,2-Trichloroethane	ND	ug/L	0.5	1		6/2/2022 14:12	5	
Trichloroethene	ND	ug/L	0.5	1		6/2/2022 14:12	5	
Trichlorofluoromethane	ND	ug/L	0.5	1		6/2/2022 14:12		
1,2,3-Trichloropropane	ND	ug/L	0.5	1		6/2/2022 14:12		
1,3,5-Trimethylbenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
1,2,4-Trimethylbenzene	ND	ug/L	0.5	1		6/2/2022 14:12		
Vinyl Chloride	ND	ug/L	0.5	1		6/2/2022 14:12	2	
m/p-Xylene	ND	ug/L	1.0	1		6/2/2022 14:12		
o-Xylene	ND	ug/L	0.5	1		6/2/2022 14:12		
Total Xylenes	ND	ug/L	1.5	1		6/2/2022 14:12	10000	
Surrogates								
4-Bromofluorobenzene	84	%		1		6/2/2022 14:12		
1,2-Dichlorobenzene-d4	84	%		1		6/2/2022 14:12		
Wet Chemistry								
Analytical Method: LACHAT 10-117-07-1-B								
Chloride	ND	mg/L	3.0	1		6/7/2022 16:37	250	
Analytical Method: LACHAT 10-107-04-1-C								
Nitrate-Nitrogen	ND	mg/L	0.050	1		6/1/2022 11:02	10	
Analytical Method: SM 4500-H+B								
pH	6.64	units	1.0	1		5/31/2022 15:45		
Analytical Method: LACHAT 10-109-12-2-A								
Fluoride	ND	mg/L	0.20	1		6/7/2022 16:37	4	
Analytical Method: LACHAT 10-107-04-1-C								
Nitrite-Nitrogen	ND	mg/L	0.050	1		6/1/2022 11:02	1	
Analytical Method: LACHAT 10-107-04-1-C								
Nitrate+Nitrite-Nitrogen	ND	mg/L	0.050	1		6/1/2022 11:02		

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