



ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Healy
Housatonic Basin Sampling & Testing
80 Run Way
Lee MA 01238

Generated 9/29/2025 11:42 AM

JOB DESCRIPTION

1058000-250915

JOB NUMBER

810-164505-1

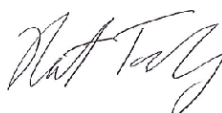
Eurofins Eaton Analytical South Bend

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Authorization



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Authorized for release by
Nathan Trowbridge, Manager of Project Management
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Designee for
Amanda Scott, Project Manager
Amanda.Scott@et.eurofinsus.com



Secondary Contaminant Report

doc rev 12/2020

I. PWS INFORMATION: Please refer to your DEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #:	MA1058000	City / Town:	Cheshire
PWS Name:	Cheshire Water Department	PWS Class:	COM ☒ NTNC ☐ TNC ☐

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information		Date Collected	Collected By
10007	POE POST BLD 02G/03G	☐ (M)ultiple ☒ (S)ingle	☐ (R)aw ☒ (F)inished	09/15/2025	LG
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:			
		(1) Reason for Resubmission		(2) Collection Date of Original Sample	
☒ RS ☐ SS	☒ Original ☐ Resubmitted ☐ Confirmation	☐ Resample ☐ Reanalysis ☐ Report Correction			
SAMPLE COMMENTS — (Such as, if a Manifold/Multiple sample, list the sources that were on-line during sample collection.)					

II. ANALYTICAL LABORATORY INFORMATION: Attach copy of subcontracted lab analysis report (as applicable)

Primary Lab MA Cert. #:	M-IN035	Primary Lab Name:	Eurofins Eaton Analytical South Bend	Subcontracted? (Y/N)	Y
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Contaminant	Result	Result Qualifier	SMCL	Lab MDL	Lab MRL	Dilution Factor	Lab Method	Date Analyzed	Analysis Lab MA Cert. #	Analysis Lab Sample ID#
IRON (mg/L)	<0.072		0.3	0.072	0.21	1	EPA 200.7Rev4.4	09/26/2025	M-PA009	810-164505-1
MANGANESE (mg/L)			0.05*							810-164505-1
ALKALINITY (mg/L as CaCO3)			None							810-164505-1
CALCIUM (mg/L)			None							810-164505-1
MAGNESIUM (mg/L)			None							810-164505-1
HARDNESS (mg/L as CaCO3)			None							810-164505-1
POTASSIUM (mg/L)			None							810-164505-1
TURBIDITY (NTU)			None							810-164505-1
ALUMINUM (mg/L)			0.2							810-164505-1
CHLORIDE (mg/L)			250							810-164505-1
COLOR (C.U.)			15							810-164505-1
COPPER (mg/L)			1							810-164505-1
ODOR (T.O.N)			3							810-164505-1
pH			6.5-8.5							810-164505-1
SILVER (mg/L)			0.10							810-164505-1
SULFATE (mg/L)			250							810-164505-1
TDS (mg/L)			500							810-164505-1
ZINC (mg/L)			5							810-164505-1

* EPA has established a lifetime Health Advisory (HA) for manganese at 0.3 mg/L and an acute HA of 1.0 mg/L.

LAB ANALYSIS COMMENTS
Result Qualifier and Description

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Authorized Signature:

Nathan Trowbridge, designee for Amanda Scott, Project Manager

Date: 09/29/2025

In accordance with 310 CMR 22.15(2), if mailing paper reports, TWO copies of this report must be received by your MassDEP Regional Office no later than 10 days after the end of the month in which the results are received or no later than 10 days after the end of the monitoring period, whichever is sooner. Please note: Electronic reporting (eDEP) deadline is the same as above.

DEP REVIEW STATUS (Initial and Date)	Review Comments	☐ WQTS Data Entered
☐ Accepted _____ ☐ Disapproved _____		

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Healy
Housatonic Basin Sampling & Testing
80 Run Way
Lee, Massachusetts 01238

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JOB DESCRIPTION

1058000-250915

JOB NUMBER

810-164505-1

Eurofins Eaton Analytical South Bend

Job Notes

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Authorization



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Authorized for release by
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Definitions/Glossary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Housatonic Basin Sampling & Testing
Project: 1058000-250915

Job ID: 810-164505-1

Job ID: 810-164505-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-164505-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 9/18/2025 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Eaton Analytical South Bend

Detection Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Client Sample ID: POE POST BLD 02G/03G [10007]

Lab Sample ID: 810-164505-1

PWSID Number: MA1058000

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	53		1.0	0.72	mg/L	1		EPA 200.7Rev4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Client Sample ID: POE POST BLD 02G/03G [10007]

Lab Sample ID: 810-164505-1

Date Collected: 09/15/25 10:51

Matrix: Drinking Water

Date Received: 09/18/25 09:30

PWSID Number: MA1058000

Method: EPA 200.7Rev4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.21	0.072	mg/L		09/25/25 10:19	09/26/25 13:17	1
Sodium	53		1.0	0.72	mg/L		09/25/25 10:19	09/26/25 13:17	1

QC Sample Results

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Method: EPA 200.7Rev4.4 - Metals (ICP)

Lab Sample ID: MB 410-704557/1-A

Matrix: Drinking Water

Analysis Batch: 705513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 704557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.21	0.072	mg/L		09/25/25 10:19	09/26/25 12:58	1
Sodium	ND		1.0	0.72	mg/L		09/25/25 10:19	09/26/25 12:58	1

Lab Sample ID: LCS 410-704557/2-A

Matrix: Drinking Water

Analysis Batch: 705513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 704557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.300	0.312		mg/L		104	85 - 115
Sodium	5.00	4.71		mg/L		94	85 - 115

QC Association Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Metals

Prep Batch: 704557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-164505-1	POE POST BLD 02G/03G [10007]	Total/NA	Drinking Water	Non-Digest Prep	
MB 410-704557/1-A	Method Blank	Total/NA	Drinking Water	Non-Digest Prep	
LCS 410-704557/2-A	Lab Control Sample	Total/NA	Drinking Water	Non-Digest Prep	

Analysis Batch: 705513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-164505-1	POE POST BLD 02G/03G [10007]	Total/NA	Drinking Water	EPA 200.7Rev4.4	704557
MB 410-704557/1-A	Method Blank	Total/NA	Drinking Water	EPA 200.7Rev4.4	704557
LCS 410-704557/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 200.7Rev4.4	704557

Lab Chronicle

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Client Sample ID: POE POST BLD 02G/03G [10007]
Date Collected: 09/15/25 10:51
Date Received: 09/18/25 09:30

Lab Sample ID: 810-164505-1
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	Non-Digest Prep			704557	MT26	ELLE	09/25/25 10:19
Total/NA	Analysis	EPA 200.7Rev4.4		1	705513	T8CQ	ELLE	09/26/25 13:17

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Ohio	State	87787	01-31-26
Oklahoma	NELAP	9804	12-31-25
Oregon	NELAP	PA200001	09-12-26
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-26
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Eaton Analytical South Bend

Accreditation/Certification Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Method	Method Description	Protocol	Laboratory
EPA 200.7Rev4.4	Metals (ICP)	EPA	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1058000-250915

Job ID: 810-164505-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
810-164505-1	POE POST BLD 02G/03G [10007]	Drinking Water	09/15/25 10:51	09/18/25 09:30	MA1058000

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

810-164505 COC

LE COLLECTION RECORD | CHAIN OF CUSTODY | EUROFINS EATON ANALYTICAL

PWS NAME: CHESHIRE WATER DEPT

PWS ID: 1058000

PWS TOWN: Cheshire

PWS CLASS: COM



**Housatonic Basin
Sampling & Testing**

80 RUN WAY

LEE, MA 01238

(413) 248-4622

HBST P.O. #	1058000-250915
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of WO

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9/29/2025

Login Sample Receipt Checklist

Client: Housatonic Basin Sampling & Testing

Job Number: 810-164505-1

Login Number: 164505

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Moore, Gary

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: Housatonic Basin Sampling & Testing

Job Number: 810-164505-1

Login Number: 164505

List Number: 2

Creator: Santiago, Nathaniel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 09/23/25 11:59 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	