

Memorandum

To: V.J. Ranfos, Town of Pembroke
From: Mike Vignale, KV Partners
Date: September 23, 2026
Re: Wet Weather Sampling Results – MS4 Area

Wet weather sampling was completed on June 15, 2026 following a small storm (about 0.5"). Four outfalls were sampled and sent to the lab for testing. Test Results are attached.

The four locations were:

- Memorial Park (Location 190)
- Keystone Drive (Location 190A)
- Simpson Road (Location 999)
- Buck Street (Location 521)

Analyte or Parameter	Benchmark
Ammonia	>0.5 mg/L
Conductivity	>2,000 µS/cm
Surfactants	>0.25 mg/L
Chlorine	>0.02 mg/L (detectable levels per the 2016 MS4 Permit)
Indicator Bacteria ¹ : <i>E.coli</i> <i>Enterococcus</i>	<i>E.coli</i> : the geometric mean of the five most recent samples taken during the same bathing season shall not exceed 126 colonies per 100 ml and no single sample taken during the bathing season shall exceed 235 colonies per 100 ml

Based on the analysis benchmarks outlined in the IDDE Plan (shown above), we found that all had elevated bacteria counts but none had elevated Conductivity, Chlorine or Ammonia (indicators of an illicit discharge). Only Simpson Road had slightly higher surfactants that were just above benchmarks listed above. At this point it cannot be determined if an illicit discharge is present at any of these locations or if the bacteria counts are due to natural causes. We recommend additional wet weather testing at all four locations during a slightly larger rainstorm in an attempt to determine if an illicit discharge is present.

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Vignale
KV Partners LLC
PO BOX 7721
Gilford, New Hampshire 03247

Generated 6/24/2026 12:21:57 PM

JOB DESCRIPTION

Pembroke | MS4 SW sampling

JOB NUMBER

475-27521-1

Eurofins Concord

Job Notes

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 Drinking Water and Wastewater Northeast, LLC Project Manager.

Authorization



Authorized for release by
Joelle Del Signore, Project Manager
Joelle.DelSignore@et.eurofinsus.com
(603)228-0525

Generated
6/24/2026 12:21:57 PM

Case Narrative

Client: KV Partners LLC
Project: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Job ID: 475-27521-1

Eurofins Concord

Job Narrative 475-27521-1

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 samples were received on 6/15/2026 10:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 21.0°C.

Subcontract Work

Method MBAS: This method was subcontracted to Phoenix Environmental Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

General Chemistry

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

Biology

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

Field Service / Mobile Lab

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

Eurofins Concord

Sample Summary

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
475-27521-1	190 (Mem. Park)	Water	06/15/26 07:15	06/15/26 10:08	New Hampshire
475-27521-2	190A (Keystone)	Water	06/15/26 07:25	06/15/26 10:08	New Hampshire
475-27521-3	999 (Simpson)	Water	06/15/26 07:40	06/15/26 10:08	New Hampshire
475-27521-4	521 (Buck St.)	Water	06/15/26 07:55	06/15/26 10:08	New Hampshire

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Client Sample Results

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Client Sample ID: 190 (Mem. Park)

Date Collected: 06/15/26 07:15

Date Received: 06/15/26 10:08

Lab Sample ID: 475-27521-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	0.76		0.50		mg/L		06/16/26 11:43	1	SEC
Total Phosphorus as P (365.1)	0.065		0.010		mg/L		06/22/26 15:22	1	SP
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50		mg/L		06/19/26 18:12	1	EWG
Specific Conductance (SM 2510B)	350		1.0		umho/cm @ 25C		06/23/26 09:26	1	HMS
Total Residual Chlorine (SM 4500 Cl G)	<0.050	HF	0.050		mg/L		06/15/26 17:34	1	SMP
Ammonia-N (SM 4500 NH3 D)	0.072		0.050		mg/L		06/22/26 17:25	1	PEN

Method: 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Escherichia coli	980		1.0		MPN/100mL		06/15/26 13:30	1	SMP

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Salinity	0.2				ppth		06/15/26 07:15	1	AJG

Client Sample ID: 190A (Keystone)

Date Collected: 06/15/26 07:25

Date Received: 06/15/26 10:08

Lab Sample ID: 475-27521-2

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	0.61		0.50		mg/L		06/16/26 11:44	1	SEC
Total Phosphorus as P (365.1)	0.16		0.010		mg/L		06/22/26 15:25	1	SP
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50		mg/L		06/19/26 18:23	1	EWG
Specific Conductance (SM 2510B)	350		1.0		umho/cm @ 25C		06/23/26 09:22	1	HMS
Total Residual Chlorine (SM 4500 Cl G)	<0.050	HF	0.050		mg/L		06/15/26 17:34	1	SMP
Ammonia-N (SM 4500 NH3 D)	0.073		0.050		mg/L		06/22/26 17:29	1	PEN

Method: 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Escherichia coli	>2400		1.0		MPN/100mL		06/15/26 13:30	1	SMP

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Salinity	0.2				ppth		06/15/26 07:25	1	AJG

Client Sample ID: 999 (Simpson)

Date Collected: 06/15/26 07:40

Date Received: 06/15/26 10:08

Lab Sample ID: 475-27521-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50		mg/L		06/16/26 11:45	1	SEC
Total Phosphorus as P (365.1)	0.25		0.010		mg/L		06/22/26 15:26	1	SP
Nitrogen, Kjeldahl (4500 NH3 D)	0.99		0.50		mg/L		06/19/26 18:27	1	EWG
Specific Conductance (SM 2510B)	71		1.0		umho/cm @ 25C		06/23/26 09:18	1	HMS
Total Residual Chlorine (SM 4500 Cl G)	<0.050	HF	0.050		mg/L		06/15/26 17:34	1	SMP
Ammonia-N (SM 4500 NH3 D)	0.36		0.050		mg/L		06/22/26 17:33	1	PEN

Eurofins Concord

Client Sample Results

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Client Sample ID: 999 (Simpson)

Date Collected: 06/15/26 07:40

Date Received: 06/15/26 10:08

Lab Sample ID: 475-27521-3

Matrix: Water

Method: 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Escherichia coli	690		1.0		MPN/100mL		06/15/26 13:30	1	SMP

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Salinity	< 0.1				ppth		06/15/26 07:40	1	AJG

Client Sample ID: 521 (Buck St.)

Date Collected: 06/15/26 07:55

Date Received: 06/15/26 10:08

Lab Sample ID: 475-27521-4

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50		mg/L		06/16/26 11:47	1	SEC
Total Phosphorus as P (365.1)	0.075		0.010		mg/L		06/22/26 15:27	1	SP
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50		mg/L		06/19/26 18:30	1	EWG
Specific Conductance (SM 2510B)	170		1.0		umho/cm @ 25C		06/23/26 09:14	1	HMS
Total Residual Chlorine (SM 4500 Cl G)	<0.050	HF	0.050		mg/L		06/15/26 17:34	1	SMP
Ammonia-N (SM 4500 NH3 D)	0.079		0.050		mg/L		06/22/26 17:36	1	PEN

Method: 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Escherichia coli	>2400		1.0		MPN/100mL		06/15/26 13:30	1	SMP

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Salinity	< 0.1				ppth		06/15/26 07:55	1	AJG

QC Sample Results

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 475-34511/1-A
Matrix: Water
Analysis Batch: 34530

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.010		0.010		mg/L		06/22/26 11:30	06/22/26 15:08	1

Lab Sample ID: LCS 475-34511/2-A
Matrix: Water
Analysis Batch: 34530

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.300	0.299		mg/L		100	90 - 110

Lab Sample ID: 475-27521-1 MS
Matrix: Water
Analysis Batch: 34530

Client Sample ID: 190 (Mem. Park)
Prep Type: Total/NA
Prep Batch: 34511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.065		0.300	0.364		mg/L		100	90 - 110

Lab Sample ID: 475-27521-1 MSD
Matrix: Water
Analysis Batch: 34530

Client Sample ID: 190 (Mem. Park)
Prep Type: Total/NA
Prep Batch: 34511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	0.065		0.300	0.363		mg/L		99	90 - 110	0	20

Method: 4500 NH3 D - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 475-34340/1-A
Matrix: Water
Analysis Batch: 34432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34340

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.50		0.50		mg/L		06/19/26 09:06	06/19/26 17:18	1

Lab Sample ID: LCS 475-34340/2-A
Matrix: Water
Analysis Batch: 34432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	9.48		mg/L		95	89 - 111

Lab Sample ID: LCSD 475-34340/3-A
Matrix: Water
Analysis Batch: 34432

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34340

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	10.0	9.09		mg/L		91	89 - 111	4	20

Eurofins Concord

QC Sample Results

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: LCS 475-34555/6
Matrix: Water
Analysis Batch: 34555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1430		umho/cm @ 25C		101	90 - 110

Lab Sample ID: LCSD 475-34555/39
Matrix: Water
Analysis Batch: 34555

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Specific Conductance	1410	1380		umho/cm @ 25C		98	90 - 110	1	20

Lab Sample ID: 475-27521-4 DU
Matrix: Water
Analysis Batch: 34555

Client Sample ID: 521 (Buck St.)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	170		173		umho/cm @ 25C		0.4	20

Method: SM 4500 Cl G - Chlorine, Residual

Lab Sample ID: MB 475-34003/4
Matrix: Water
Analysis Batch: 34003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Residual Chlorine	<0.050		0.050		mg/L			06/15/26 17:34	1

Lab Sample ID: LCS 475-34003/5
Matrix: Water
Analysis Batch: 34003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Residual Chlorine	0.100	0.110		mg/L		110	80 - 120

Lab Sample ID: LCSD 475-34003/16
Matrix: Water
Analysis Batch: 34003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Residual Chlorine	0.100	0.100		mg/L		100	80 - 120	10	20

Method: SM 4500 NH3 D - Ammonia

Lab Sample ID: MB 475-34543/1
Matrix: Water
Analysis Batch: 34543

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia-N	<0.050		0.050		mg/L			06/22/26 16:03	1

Eurofins Concord

QC Sample Results

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Method: SM 4500 NH3 D - Ammonia (Continued)

Lab Sample ID: LCS 475-34543/3
Matrix: Water
Analysis Batch: 34543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia-N	2.00	2.00		mg/L		100	90 - 110

Lab Sample ID: LCSD 475-34543/4
Matrix: Water
Analysis Batch: 34543

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia-N	2.00	2.00		mg/L		100	90 - 110	0	20

Accreditation/Certification and Definitions Summary

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Laboratory: Eurofins Concord

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Hampshire	NELAP	1012	01-20-27
The following analytes are included in this report, but the laboratory is not certified by New Hampshire NELAP 1012. This list may include analytes for which the agency does not offer certification:			
Analysis Method	Prep Method	Matrix	Analyte
Field Sampling		Water	Salinity

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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
MRL	Method Reporting 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
SDL	Sample Detection Limit
SDL	Sample Detection Limit

Accreditation/Certification and Definitions Summary

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: KV Partners LLC
Project/Site: Pembroke | MS4 SW sampling

Job ID: 475-27521-1

Method	Method Description	Protocol	Laboratory
353.2	Nitrogen, Nitrate (Calculation)	EPA	EET ENC
365.1	Phosphorus, Total	EPA	EET ENC
4500 NH3 D	Nitrogen, Total Kjeldahl	SM	EET ENC
SM 2510B	Conductivity, Specific Conductance	SM	EET ENC
SM 4500 Cl G	Chlorine, Residual	SM	EET ENC
SM 4500 NH3 D	Ammonia	SM	EET ENC
9223B	Coliforms, Total, and E.Coli (Colilert - Quanti Tray)	SM	EET ENC
Field Sampling	Field Sampling	EPA	EET ENC
Subcontract	MBAS	None	PEL, Inc
365.2/365.3/365	Phosphorus, Total	EPA	EET ENC
SM4500Norg_C	Preparation, Nitrogen -Total Kjeldahl	SM	EET ENC

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET ENC = Eurofins Concord, 51 Antrim Avenue, Concord, NH 03301, TEL (603)228-0525
PEL, Inc = Phoenix Environmental Laboratories, Inc., 587 East Middle Turnpike, Manchester, CT 06040, TEL (860)645-8726



Thursday, June 18, 2026

Attn: Front Office
Eurofins Concord
51 Antrim Ave
Concord, NH 03301

Project ID: 475-27521-1
SDG ID: GCW23344
Sample ID#s: CW23344 - CW23347

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

June 18, 2026

SDG I.D.: GCW23344

Project ID: 475-27521-1

Client Id	Lab Id	Matrix	Col Date
190 (MEM. PARK)(475-27521-1)	CW23344	WATER	06/15/26 7:15
190A (KEYSTONE)(475-27521-2)	CW23345	WATER	06/15/26 7:25
999 (SIMPSON)(475-27521-3)	CW23346	WATER	06/15/26 7:40
521 (BUCK ST.)(475-27521-4)	CW23347	WATER	06/15/26 7:55



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

June 18, 2026

FOR: Attn: Front Office
Eurofins Concord
51 Antrim Ave
Concord, NH 03301

Sample Information

Matrix: WATER
Location Code: EUROFIN-NH
Rush Request: Standard
P.O.#: US2025229694

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

06/15/26
06/16/26

Time

7:15
16:06

Laboratory Data

SDG ID: GCW23344
Phoenix ID: CW23344

Project ID: 475-27521-1
Client ID: 190 (MEM. PARK)(475-27521-1)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	< 0.10	0.10	mg/L	2	06/16/26 20:50	JL1, AR	SM5540 C-21

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

The LAS standard used for the MBAS analysis has a molecular weight of 326.5 g/mol.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

June 18, 2026

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

June 18, 2026

FOR: Attn: Front Office
Eurofins Concord
51 Antrim Ave
Concord, NH 03301

Sample Information

Matrix: WATER
Location Code: EUROFIN-NH
Rush Request: Standard
P.O.#: US2025229694

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

06/15/26
06/16/26

Time

7:25
16:06

Laboratory Data

SDG ID: GCW23344
Phoenix ID: CW23345

Project ID: 475-27521-1
Client ID: 190A (KEYSTONE)(475-27521-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	< 0.10	0.10	mg/L	2	06/16/26 20:52	JL1, AR	SM5540 C-21

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

The LAS standard used for the MBAS analysis has a molecular weight of 326.5 g/mol.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

June 18, 2026

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

June 18, 2026

FOR: Attn: Front Office
Eurofins Concord
51 Antrim Ave
Concord, NH 03301

Sample Information

Matrix: WATER
Location Code: EUROFIN-NH
Rush Request: Standard
P.O.#: US2025229694

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

06/15/26
06/16/26

Time

7:40
16:06

Laboratory Data

SDG ID: GCW23344
Phoenix ID: CW23346

Project ID: 475-27521-1
Client ID: 999 (SIMPSON)(475-27521-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	0.28	0.10	mg/L	2	06/16/26 20:53	JL1, AR	SM5540 C-21

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

The LAS standard used for the MBAS analysis has a molecular weight of 326.5 g/mol.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

June 18, 2026

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

June 18, 2026

FOR: Attn: Front Office
Eurofins Concord
51 Antrim Ave
Concord, NH 03301

Sample Information

Matrix: WATER
Location Code: EUROFIN-NH
Rush Request: Standard
P.O.#: US2025229694

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

06/15/26
06/16/26

Time

7:55
16:06

Laboratory Data

SDG ID: GCW23344
Phoenix ID: CW23347

Project ID: 475-27521-1
Client ID: 521 (BUCK ST.)(475-27521-4)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	0.15	0.10	mg/L	2	06/16/26 20:54	JL1, AR	SM5540 C-21

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

The LAS standard used for the MBAS analysis has a molecular weight of 326.5 g/mol.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

June 18, 2026

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



QA/QC Report

June 18, 2026

QA/QC Data

SDG I.D.: GCW23344

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 845835 (mg/L), QC Sample No: CW23345 (CW23344, CW23345, CW23346, CW23347)													
MBAS	BRL	0.05	<0.10	<0.10	NC	85.6			94.6			85 - 115	20

Comment:

Additional criteria matrix spike acceptance range is 75-125%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution

Phyllis Shiller, Laboratory Director
June 18, 2026

Thursday, June 18, 2026

Criteria: None

State: NH

Sample Criteria Exceedances Report
GCW23344 - EUROFIN-NH

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.





Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

June 18, 2026

SDG I.D.: GCW23344

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Eurofins Concord

51 Antrim Avenue
Concord, NH 03301
Phone: 603-228-0525

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:				
Client Contact:		N/A	Del Signore, Joelle N	N/A	475-11461.1				
Shipping/Receiving		Phone:	E-Mail:	State of Origin:	Page:				
Company:		N/A	Joelle DelSignore@eurofins.com	New Hampshire	Page 1 of 1				
Phoenix Environmental Laboratories, Inc.		Accreditations Required (See note):		Job #:	Job #:				
Address:		NELAP - New Hampshire		Preservation Codes:	Preservation Codes:				
City:		Due Date Requested:		Analysis Requested					
State, Zip:		6/24/2026							
CT, 06040		TAT Requested (days):							
Phone:		N/A							
860-645-8726(Tel)		PO #:							
Email:		N/A							
N/A		WO #:							
Project Name:		N/A							
Pembroke MS4 SW sampling		Project #:							
Site:		47504279							
N/A		SSOW#:							
		N/A							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, S=solid, O=wastewater, BT=Tissue, Anal)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB - Subcontract - MBAS	Total Number of Containers	Special Instructions/Note:
190 (Mem. Park) (475-27521-1)	6/15/26	07:15 Eastern	G	Water	X	X		1	
190A (Keystone) (475-27521-2)	6/15/26	07:25 Eastern	G	Water		X		1	
999 (Simpson) (475-27521-3)	6/15/26	07:40 Eastern	G	Water		X		1	
521 (Buck St.) (475-27521-4)	6/15/26	07:55 Eastern	G	Water		X		1	
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.									
Possible Hazard Identification									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify)									
Primary Deliverable Rank: 2									
Special Instructions/QC Requirements:									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months									
Empty Kit Relinquished by:									
Date:									
Relinquished by:									
Date/Time:									
Relinquished by:									
Date/Time:									
Relinquished by:									
Date/Time:									
Custody Seals Intact: Custody Seal No.:									
Δ Yes Δ No									
Cooler Temperature(s) °C and Other Remarks: 1.8°C WCP									

Ver: 03/20/2026

Chain of Custody Record

Client Information		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: <u>Michael Vignale</u>		Phone: <u>603-731-1562</u>	Del Signore, Joelle N		475-2101
Company: <u>KV Partners LLC</u>		E-Mail: <u>Joelle.DelSignore@et.eurofins.com</u>	State of Origin:		Page 1 of 1
Address: <u>PO BOX 432</u>		PWSID:	Analysis Requested		
City: <u>Gilford</u>					
State, Zip: <u>NH, 03047-03070</u>					
Phone: <u>603-613-1909 (cell) 603-731-1562</u>					
Email: <u>rkorber@kvpllc.com</u>					
Project Name: <u>Newcastle Pembroke MS4 SW sampling</u>					
Site: <u>Pembroke MS4</u>					
Due Date Requested:		Total Number of Containers			
TAT Requested (days):					
Compliance Project: ☐ Yes ☒ No					
PO #: <u>603-613-1909 (cell) 603-731-1562</u>					
Purchase Order not required					
WO #:					
Project #:					
SSOW #:					
Matrix (Water, Sewage, Oil, BT-Tissue, Air, DW-Drinking Water)					
Sample Type (C=Comp, G=grab)					
Sample Date					
Sample Time					
Preservation Code:					
Field Filtered Sample (Yes or No)					
Perform MS/MSD (Yes or No)					
2510B - Specific Conductivity					
SUBCONTRACT - MBAS					
2540C - Calcd - Salinity					
4500 - CL - G - Total Residual Chlorine					
Total Phos, TKN, Ammonia					
9223B - C1Q18 - 8H - E. Coli					
353.2 - Calc - Nitrate					
Special Instructions/Note:					
Other:					
Preservation Codes:					
N - None					
S - H2SO4					
R - NaThioSO4					
Job #:		475-27521 COC			
Page 1 of 1					
COC No:		475-2101			

Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	
Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by:		Date:	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>10/15/2010 10:08</u>	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☒ No		Custody Seal No.: <u>21.4/21.0 NO ICE TR 20141</u>	