

PEMBROKE, NH - MS4 AREA OUTFALL SUMMARY				DRY WEATHER FLOW RATE					
Facility ID	Location Description	Comment	Receiving Water Impairment	No Flow	Low	Medium	High	DRY WEATHER TESTING COMPLETED	COMMENTS
449	Browning Court			x					
1038	Sherwood Meadows	Outfall at Sewer Easement				x		Y (2021)	CONDUCTIVITY HIGH - RETEST IN 2022
No Number	Keystone Lane					x		Y (2021)	NO PARAMETERS ABOVE BENCHMARKS
465	Peaslee Drive			x					
600A	Buck Street				X			Y (2021)	NO PARAMETERS ABOVE BENCHMARKS
No Number	Alexander Drive			x					
263	Britanny Circle			x					
232	Lindy Street			x					
395	Buck Street			x					
380	Buck Street				x			Y (2021)	NO PARAMETERS ABOVE BENCHMARKS
521	Buck Street			x		X		Y (2021)	NO PARAMETERS ABOVE BENCHMARKS
523	Buck Street			x					
671	Tenne Drive			x					
633	Nadine Drive			x					
341	Bow Lane			x					
655	Melisa Drive			x					
190	Memorial Park					x		Y	NO PARAMETERS ABOVE BENCHMARKS
123	Exchange Street			x					
153	Mills Falls Road			x					
445	Smith Avenue			x					
495	Smith Avenue			x					
508	Smith Avenue			x					
501	Smith Avenue			x					
485	Tina Drive			x					
462	Tina Drive			x					
533	Buck Street			x					



# LABORATORY REPORT

EAI ID#: 232328

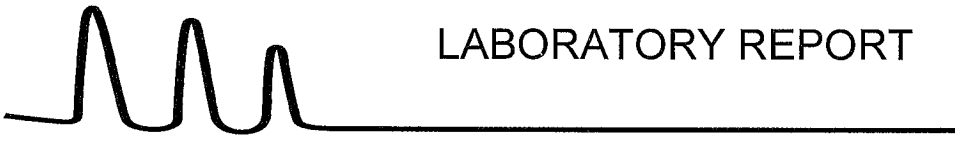
Client: KV Partners LLC

Client Designation: Pembroke IDDE

Sample ID:	190	Keystone	380	521					
Lab Sample ID:	232328.01	232328.02	232328.03	232328.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	9/20/21	9/20/21	9/20/21	9/20/21					
Date Received:	9/20/21	9/20/21	9/20/21	9/20/21					
					Units	Date	Time	Method	Analyst
Nitrate/Nitrite-N	1.6	2.1	0.87	< 0.5	mg/L	09/21/21	16:49	353.2	KD
Ammonia-N	< 0.05	< 0.05	0.054	0.075	mg/L	09/30/21	10:56	TM NH3-001	SEL
TKN	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	10/01/21	12:39	4500N <sub>org</sub> C/NH3D	SEL
Total Nitrogen	1.6	2.1	0.87	< 0.5	mg/L	10/01/21	15:29	CALC	SEL
Total Phosphorus-P	0.016	0.062	0.021	0.012	mg/L	09/28/21	12:08	365.1	SEL
Total Residual Chlorine	< 0.05	< 0.05	< 0.05	< 0.05	mg/L	09/20/21	16:00	4500ClG-00	AMB
Specific Conductance	450	720	530	460	uS/cm	09/22/21	12:37	2510B-97	HEH
E.coli	20.1	20.9	61.6	117.8	MPN/100ml	09/20/21	15:10	9223B-04	KEF

Sample ID: 600A

Lab Sample ID:	232328.05								
Matrix:	aqueous								
Date Sampled:	9/20/21								
Date Received:	9/20/21								
		Units	Date	Time	Method	Analyst			
Nitrate/Nitrite-N	1.5	mg/L	09/21/21	16:54	353.2	KD			
Ammonia-N	1.4	mg/L	09/30/21	11:21	TM NH3-001	SEL			
TKN	1.8	mg/L	10/01/21	12:50	4500N <sub>org</sub> C/NH3D	SEL			
Total Nitrogen	3.3	mg/L	10/01/21	15:29	CALC	SEL			
Total Phosphorus-P	0.050	mg/L	09/28/21	12:13	365.1	SEL			
Total Residual Chlorine	< 0.05	mg/L	09/20/21	16:00	4500ClG-00	AMB			
Specific Conductance	320	uS/cm	09/22/21	12:37	2510B-97	HEH			
E.coli	9.8	MPN/100ml	09/20/21	15:10	9223B-04	KEF			



# LABORATORY REPORT

EAI ID#: 232328

Client: **KV Partners LLC**

Client Designation: **Pembroke IDDE**

Sample ID:	190	Keystone	380	521				
Lab Sample ID:	232328.01	232328.02	232328.03	232328.04				
Matrix:	aqueous	aqueous	aqueous	aqueous				
Date Sampled:	9/20/21	9/20/21	9/20/21	9/20/21				
					Units	Date of Analysis	Method	Analyst
Field Salinity	< 0.1	<b>0.1</b>	< 0.1	< 0.1	PPT	9/20/21	SM 2520B	JG

Sample ID:	600A							
Lab Sample ID:	232328.05							
Matrix:	aqueous							
Date Sampled:	9/20/21							
					Units	Date of Analysis	Method	Analyst
Field Salinity	< 0.1				PPT	9/20/21	SM 2520B	JG

Salinity analyzed in the laboratory upon receipt.  
Units in parts per thousand.



# LABORATORY REPORT

EAI ID#: 235958

Client: KV Partners LLC

Client Designation: **Pembroke**

Sample ID: Pembroke  
#1038

Lab Sample ID: 235958.02

Matrix: aqueous

Date Sampled: 11/30/21

Date Received: 11/30/21

		Units	Analysis		Method	Analyst
			Date	Time		
Nitrate/Nitrite-N	0.69	mg/L	11/30/21	16:20	353.2	LLG
Ammonia-N	0.11	mg/L	12/08/21	9:58	TM NH3-001	SEL
TKN	< 0.5	mg/L	12/14/21	13:37	4500N <sub>ora</sub> C/NH3D	SEL
Total Nitrogen	0.69	mg/L	12/14/21	16:47	CALC	SEL
Total Phosphorus-P	0.028	mg/L	12/09/21	15:08	365.1	SEL
Total Residual Chlorine	0.03	mg/L	11/30/21	16:23	4500CIG-00	MKB
Specific Conductance	8700	uS/cm	12/01/21	8:40	2510B-97	MKB
E.coli	29.2	MPN/100ml	11/30/21	15:10	9223B-04	SEL



# LABORATORY REPORT

EAI ID#: **235958**

Client: **KV Partners LLC**

Client Designation: **Newton/Pembroke**

<b>Sample ID:</b>	Newton #313	Pembroke #1038
<b>Lab Sample ID:</b>	235958.01	235958.02
<b>Matrix:</b>	aqueous	aqueous
<b>Date Sampled:</b>	11/30/21	11/30/21

			<b>Units</b>	<b>Date of Analysis</b>	<b>Method</b>	<b>Analyst</b>
Field Salinity	< 0.1	<b>4.8</b>	PPT	12/2/21	SM	JG

Salinity reported in parts per thousand.



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



**Analysis Report**  
 September 23, 2021

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

Sample Information

Matrix: WATER  
 Location Code: EASTANAL-NH  
 Rush Request: Standard  
 P.O.#: 55765

Custody Information

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

Date      Time

09/20/21      9:35  
 09/21/21      11:25

Laboratory Data

SDG ID: GCJ32847  
 Phoenix ID: CJ32847

Project ID: 232328  
 Client ID: 190

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	< 0.05	0.05	mg/L	1	09/21/21 12:50	EG	SM5540 C-11

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 342 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

September 23, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



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 September 23, 2021

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

Sample Information

Matrix: WATER  
 Location Code: EASTANAL-NH  
 Rush Request: Standard  
 P.O.#: 55765

Custody Information

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

Date      Time

09/20/21      10:20  
 09/21/21      11:25

Laboratory Data

SDG ID: GCJ32847  
 Phoenix ID: CJ32848

Project ID: 232328  
 Client ID: KEYSTONE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	< 0.05	0.05	mg/L	1	09/21/21 12:50	EG	SM5540 C-11

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

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Phyllis Shiller, Laboratory Director

September 23, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



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**Analysis Report**  
 September 23, 2021

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

Sample Information

Matrix: WATER  
 Location Code: EASTANAL-NH  
 Rush Request: Standard  
 P.O.#: 55765

Custody Information

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

Date      Time

09/20/21      11:00  
 09/21/21      11:25

Laboratory Data

SDG ID: GCJ32847  
 Phoenix ID: CJ32849

Project ID: 232328  
 Client ID: 380

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	< 0.05	0.05	mg/L	1	09/21/21 12:50	EG	SM5540 C-11

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

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Phyllis Shiller, Laboratory Director

September 23, 2021

Reviewed and Released by: Rashmi Makol, Project Manager





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**Analysis Report**  
 September 23, 2021

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

Sample Information

Matrix: WATER  
 Location Code: EASTANAL-NH  
 Rush Request: Standard  
 P.O.#: 55765

Custody Information

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

Date      Time

09/20/21      11:10  
 09/21/21      11:25

Laboratory Data

SDG ID: GCJ32847  
 Phoenix ID: CJ32850

Project ID: 232328  
 Client ID: 521

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	< 0.05	0.05	mg/L	1	09/21/21 12:50	EG	SM5540 C-11

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

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Phyllis Shiller, Laboratory Director

September 23, 2021

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**Analysis Report**  
 September 23, 2021

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

Sample Information

Matrix: WATER  
 Location Code: EASTANAL-NH  
 Rush Request: Standard  
 P.O.#: 55765

Custody Information

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

Date                      Time  
 09/20/21                      11:40  
 09/21/21                      11:25

Laboratory Data

SDG ID: GCJ32845  
 Phoenix ID: CJ32845

Project ID: 232328  
 Client ID: 600A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
MBAS	< 0.05	0.05	mg/L	1	09/21/21 12:50	EG	SM5540 C-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
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September 23, 2021

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