

LAB CHRONICLE

OrderID: Q2344	OrderDate: 6/17/2025 11:52:00 AM
Client: Lockwood, Kessler & Bartlett, Inc.	Project: Ansonia Landfill 2025
Contact: John Gerlach	Location: D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2344-01	MW-1	WATER			06/16/25 09:30			06/17/25
			Alkalinity	SM2320 B			06/19/25 12:43	
			Ammonia	SM4500-NH3		06/23/25	06/24/25 09:50	
			Anions Group1	300.0			06/17/25 16:42	
			BOD5	SM5210 B			06/18/25 09:25	
			pH	SM 4500-H B			06/18/25 10:47	
			TDS	SM2540 C			06/17/25 17:20	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		06/23/25	06/24/25 12:47	
			Total Nitrogen	Cal			06/24/25 12:47	
			TSS	SM2540 D			06/18/25 18:00	
			Turbidity	SM2130 B			06/18/25 09:16	
Q2344-01DL	MW-1DL	WATER			06/16/25 09:30			06/17/25
			Anions Group1	300.0			06/18/25 11:58	
Q2344-03	MW-3	WATER			06/16/25 10:30			06/17/25

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Alkalinity	SM2320 B		06/19/25 12:49
Ammonia	SM4500-NH3	06/23/25	06/24/25 09:50
Anions Group1	300.0		06/17/25 17:47
BOD5	SM5210 B		06/18/25 09:25
pH	SM 4500-H B		06/18/25 10:55
TDS	SM2540 C		06/17/25 17:20
TKN	SM4500-N Org C-11 plus NH3 B plus G-11	06/23/25	06/24/25 12:47
Total Nitrogen	Cal		06/24/25 12:47
TSS	SM2540 D		06/18/25 18:00
Turbidity	SM2130 B		06/18/25 09:23

Q2344-03DL MW-3DL WATER 06/16/25 10:30 06/17/25

Anions Group1	300.0		06/18/25 12:20
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Q2344-03DL 2 MW-3DL2 WATER 06/16/25 10:30 06/17/25

Anions Group1	300.0		06/18/25 12:41
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Q2344-05 MW-4 WATER 06/16/25 11:00 06/17/25

Alkalinity	SM2320 B		06/19/25 12:55
Ammonia	SM4500-NH3	06/23/25	06/24/25 09:51
Anions Group1	300.0		06/17/25 18:08

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BOD5	SM5210 B	06/18/25 09:25
pH	SM 4500-H B	06/18/25 11:00
TDS	SM2540 C	06/17/25 17:20
TKN	SM4500-N Org C-11 plus NH3 B plus G-11	06/23/25 06/24/25 12:47
Total Nitrogen	Cal	06/24/25 12:47
TSS	SM2540 D	06/18/25 18:00
Turbidity	SM2130 B	06/18/25 09:26

Q2344-05DL **MW-4DL** **WATER** **06/16/25 11:00** **06/17/25**

Anions Group1	300.0	06/18/25 13:03
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Q2344-05DL 2 **MW-4DL2** **WATER** **06/16/25 11:00** **06/17/25**

Anions Group1	300.0	06/18/25 13:24
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Q2344-07 **MW-2** **WATER** **06/16/25 12:00** **06/17/25**

Alkalinity	SM2320 B	06/19/25 13:02
Ammonia	SM4500-NH3	06/23/25 06/24/25 10:01
Anions Group1	300.0	06/17/25 18:30
BOD5	SM5210 B	06/18/25 09:25
pH	SM 4500-H B	06/18/25 11:10
TDS	SM2540 C	06/17/25 17:20

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Q2344-07DL	MW-2DL	WATER	TKN	SM4500-N Org C-11 plus NH3 B plus G-11	06/23/25	06/24/25 12:57	06/16/25 12:00	06/17/25
			Total Nitrogen	Cal		06/24/25 12:57		
			TSS	SM2540 D		06/18/25 18:00		
			Turbidity	SM2130 B		06/18/25 09:30		
			Ammonia	SM4500-NH3	06/23/25	06/24/25 10:45		
			Anions Group1	300.0		06/18/25 13:46		



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 09:30
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-1	SDG No.:	Q2344
Lab Sample ID:	Q2344-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	63.6		1	1.00	2.00	mg/L		06/19/25 12:43	SM 2320 B-21
Ammonia as N	0.030	U	1	0.030	0.10	mg/L	06/23/25 08:50	06/24/25 09:50	SM 4500-NH3 B plus G-21
Chloride	112	OR	1	0.19	0.60	mg/L		06/17/25 16:42	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		06/17/25 16:42	300.0
Nitrate	1.80		1	0.095	0.50	mg/L		06/17/25 16:42	300.0
Sulfate	31.7		1	0.46	3.00	mg/L		06/17/25 16:42	300.0
Nitrate+Nitrite	1.80		1	0.17	1.10	mg/L		06/17/25 16:42	300.0
BOD5	5.70		1	0.20	2.00	mg/L		06/18/25 09:25	SM 5210 B-16
pH	6.16	H	1	0	0	pH		06/18/25 10:47	SM 4500-H B-21
TDS	136		1	1.00	10.0	mg/L		06/17/25 17:20	SM 2540 C-20
TKN	0.36	J	1	0.11	0.50	mg/L	06/23/25 09:40	06/24/25 12:47	SM4500-N Org C-21 plus NH3 B plus G-21
Nitrogen	2.16		1	0.31	1.30	mg/L		06/24/25 12:47	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		06/18/25 18:00	SM 2540 D-20
Turbidity	1.15		1	0.15	1.00	NTU		06/18/25 09:16	SM 2130 B-20

Comments: The alkalinity to pH 4.31=63.6 mg CaCO3/L, pH result reported at temperature 20.4 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 09:30
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-1DL	SDG No.:	Q2344
Lab Sample ID:	Q2344-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	84.8	D	20	3.80	12.0	mg/L		06/18/25 11:58	300.0

Comments: _____

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 10:30
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-3	SDG No.:	Q2344
Lab Sample ID:	Q2344-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	307		1	1.00	2.00	mg/L		06/19/25 12:49	SM 2320 B-21
Ammonia as N	0.53		1	0.030	0.10	mg/L	06/23/25 08:50	06/24/25 09:50	SM 4500-NH3 B plus G-21
Chloride	246	OR	1	0.19	0.60	mg/L		06/17/25 17:47	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		06/17/25 17:47	300.0
Nitrate	3.80		1	0.095	0.50	mg/L		06/17/25 17:47	300.0
Sulfate	77.8	OR	1	0.46	3.00	mg/L		06/17/25 17:47	300.0
Nitrate+Nitrite	3.80		1	0.17	1.10	mg/L		06/17/25 17:47	300.0
BOD5	14.7		1	0.20	2.00	mg/L		06/18/25 09:25	SM 5210 B-16
pH	6.86	H	1	0	0	pH		06/18/25 10:55	SM 4500-H B-21
TDS	629		1	1.00	10.0	mg/L		06/17/25 17:20	SM 2540 C-20
TKN	0.94		1	0.11	0.50	mg/L	06/23/25 09:40	06/24/25 12:47	SM4500-N Org C-21 plus NH3 B plus G-21
Nitrogen	4.74		1	0.31	1.30	mg/L		06/24/25 12:47	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		06/18/25 18:00	SM 2540 D-20
Turbidity	1.32		1	0.15	1.00	NTU		06/18/25 09:23	SM 2130 B-20

Comments: The alkalinity to pH 4.40=307 mg CaCO3/L, pH result reported at temperature 20.3 °C

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LOD = Limit of Detection

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J = Estimated Value

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 10:30
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-3DL	SDG No.:	Q2344
Lab Sample ID:	Q2344-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	200	OR	5	0.95	3.00	mg/L		06/18/25 12:20	300.0
Sulfate	71.6	D	5	2.30	15.0	mg/L		06/18/25 12:20	300.0

Comments: _____

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 10:30
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-3DL2	SDG No.:	Q2344
Lab Sample ID:	Q2344-03DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	174	D	50	9.50	30.0	mg/L		06/18/25 12:41	300.0

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 11:00
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4	SDG No.:	Q2344
Lab Sample ID:	Q2344-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	306		1	1.00	2.00	mg/L		06/19/25 12:55	SM 2320 B-21
Ammonia as N	0.55		1	0.030	0.10	mg/L	06/23/25 08:50	06/24/25 09:51	SM 4500-NH3 B plus G-21
Chloride	246	OR	1	0.19	0.60	mg/L		06/17/25 18:08	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		06/17/25 18:08	300.0
Nitrate	3.80		1	0.095	0.50	mg/L		06/17/25 18:08	300.0
Sulfate	77.5	OR	1	0.46	3.00	mg/L		06/17/25 18:08	300.0
Nitrate+Nitrite	3.80		1	0.17	1.10	mg/L		06/17/25 18:08	300.0
BOD5	11.2		1	0.20	2.00	mg/L		06/18/25 09:25	SM 5210 B-16
pH	6.80	H	1	0	0	pH		06/18/25 11:00	SM 4500-H B-21
TDS	565		1	1.00	10.0	mg/L		06/17/25 17:20	SM 2540 C-20
TKN	0.98		1	0.11	0.50	mg/L	06/23/25 09:40	06/24/25 12:47	SM4500-N Org C-21 plus NH3 B plus G-21
Nitrogen	4.78		1	0.31	1.30	mg/L		06/24/25 12:47	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		06/18/25 18:00	SM 2540 D-20
Turbidity	1.32		1	0.15	1.00	NTU		06/18/25 09:26	SM 2130 B-20

Comments: The alkalinity to pH 4.37=306 mg CaCO3/L, pH result reported at temperature 20.4 °C

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 11:00
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4DL	SDG No.:	Q2344
Lab Sample ID:	Q2344-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	200	OR	5	0.95	3.00	mg/L		06/18/25 13:03	300.0
Sulfate	71.5	D	5	2.30	15.0	mg/L		06/18/25 13:03	300.0

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 11:00
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4DL2	SDG No.:	Q2344
Lab Sample ID:	Q2344-05DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	173	D	50	9.50	30.0	mg/L		06/18/25 13:24	300.0

Comments:

U = Not Detected
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 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 12:00
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-2	SDG No.:	Q2344
Lab Sample ID:	Q2344-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	454		1	1.00	2.00	mg/L		06/19/25 13:02	SM 2320 B-21
Ammonia as N	7.20	OR	1	0.030	0.10	mg/L	06/23/25 08:50	06/24/25 10:01	SM 4500-NH3 B plus G-21
Chloride	387	OR	1	0.19	0.60	mg/L		06/17/25 18:30	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		06/17/25 18:30	300.0
Nitrate	0.79		1	0.095	0.50	mg/L		06/17/25 18:30	300.0
Sulfate	29.2		1	0.46	3.00	mg/L		06/17/25 18:30	300.0
Nitrate+Nitrite	0.79	J	1	0.17	1.10	mg/L		06/17/25 18:30	300.0
BOD5	8.43		1	0.20	2.00	mg/L		06/18/25 09:25	SM 5210 B-16
pH	6.83	H	1	0	0	pH		06/18/25 11:10	SM 4500-H B-21
TDS	798		1	1.00	10.0	mg/L		06/17/25 17:20	SM 2540 C-20
TKN	7.70		1	0.11	0.50	mg/L	06/23/25 09:40	06/24/25 12:57	SM4500-N Org C-21 plus NH3 B plus G-21
Nitrogen	8.49		1	0.31	1.30	mg/L		06/24/25 12:57	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	11.6		1	1.00	4.00	mg/L		06/18/25 18:00	SM 2540 D-20
Turbidity	52.0		1	0.15	1.00	NTU		06/18/25 09:30	SM 2130 B-20

Comments: The alkalinity to pH 4.32=454 mg CaCO3/L, pH result reported at temperature 20.3 °C

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J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	06/16/25 12:00
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-2DL	SDG No.:	Q2344
Lab Sample ID:	Q2344-07DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	7.00	D	5	0.15	0.50	mg/L	06/23/25 08:50	06/24/25 10:45	SM 4500-NH3 B plus G-21
Chloride	249	D	100	19.0	60.0	mg/L		06/18/25 13:46	300.0

Comments: _____

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J = Estimated Value

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136185

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	6.98	7	100	90-110	06/18/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	06/18/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	06/18/2025

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136188

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Turbidity	ICV	NTU	9.068	10	91	90-110	06/18/2025
Sample ID: Turbidity	CCV1	NTU	10.100	10	101	90-110	06/18/2025
Sample ID: Turbidity	CCV2	NTU	9.232	10	92	90-110	06/18/2025

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136191

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.2	10	102	90-110	05/22/2025
Chloride	mg/L	3.1	3	103	90-110	05/22/2025
Fluoride	mg/L	2.1	2	105	90-110	05/22/2025
Nitrite	mg/L	3.1	3	103	90-110	05/22/2025
Nitrate	mg/L	2.6	2.5	104	90-110	05/22/2025
Sulfate	mg/L	15.1	15	101	90-110	05/22/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	05/22/2025
Sample ID: CCV1						
Bromide	mg/L	10.3	10	103	90-110	06/17/2025
Chloride	mg/L	3.1	3	103	90-110	06/17/2025
Fluoride	mg/L	2.1	2	105	90-110	06/17/2025
Nitrite	mg/L	3.1	3	103	90-110	06/17/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/17/2025
Sulfate	mg/L	15.3	15	102	90-110	06/17/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/17/2025
Sample ID: CCV2						
Bromide	mg/L	10.3	10	103	90-110	06/17/2025
Chloride	mg/L	3.1	3	103	90-110	06/17/2025
Fluoride	mg/L	2.1	2	105	90-110	06/17/2025
Nitrite	mg/L	3.1	3	103	90-110	06/17/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/17/2025
Sulfate	mg/L	15.2	15	101	90-110	06/17/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/17/2025
Sample ID: CCV3						
Bromide	mg/L	10.3	10	103	90-110	06/18/2025
Chloride	mg/L	3.1	3	103	90-110	06/18/2025
Fluoride	mg/L	2.1	2	105	90-110	06/18/2025
Nitrite	mg/L	3.1	3	103	90-110	06/18/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/18/2025
Sulfate	mg/L	15.3	15	102	90-110	06/18/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	06/18/2025
Sample ID: CCV4						
Bromide	mg/L	10.3	10	103	90-110	06/18/2025
Chloride	mg/L	3.1	3	103	90-110	06/18/2025
Fluoride	mg/L	2.1	2	105	90-110	06/18/2025
Nitrite	mg/L	3.1	3	103	90-110	06/18/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/18/2025
Sulfate	mg/L	15.3	15	102	90-110	06/18/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/18/2025

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136242

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.97	1	97	90-110	06/24/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.97	1	97	90-110	06/24/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	06/24/2025
Sample ID: CCV3 Ammonia as N	mg/L	0.91	1	91	90-110	06/24/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.99	1	99	90-110	06/24/2025

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136244

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TKN	mg/L	4.9	5	98	90-110	06/24/2025
Sample ID: CCV1 TKN	mg/L	4.7	5	94	90-110	06/24/2025
Sample ID: CCV2 TKN	mg/L	4.8	5	96	90-110	06/24/2025
Sample ID: CCV3 TKN	mg/L	4.9	5	98	90-110	06/24/2025

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136188

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
Turbidity		NTU	0.447	0.5000	J	0.15	1.0	06/18/2025
Sample ID:	CCB1							
Turbidity		NTU	0.449	0.5000	J	0.15	1	06/18/2025
Sample ID:	CCB2							
Turbidity		NTU	0.455	0.5000	J	0.15	1	06/18/2025

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136191

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	05/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	05/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	05/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	05/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	05/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	05/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	05/22/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/17/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/17/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/17/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/17/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/17/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/17/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/17/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/17/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/17/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/17/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/17/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/17/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/17/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/17/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/18/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/18/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/18/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/18/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/18/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/18/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/18/2025
Sample ID: CCB4							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/18/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/18/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/18/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/18/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/18/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/18/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/18/2025

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136242

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	06/24/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	06/24/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	06/24/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	06/24/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	06/24/2025

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

RunNo.: LB136244

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	06/24/2025
Sample ID: CCB1 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	06/24/2025
Sample ID: CCB2 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	06/24/2025
Sample ID: CCB3 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	06/24/2025

Preparation Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136184BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	06/18/2025
Sample ID: LB136186BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	06/17/2025
Sample ID: LB136188BL							
Turbidity	NTU	0.446	0.5000	J	0.15	1.0	06/18/2025
Sample ID: LB136191BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/17/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/17/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/17/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/17/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/17/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/17/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/17/2025
Sample ID: LB136191BLW2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/18/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/18/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/18/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/18/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/18/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/18/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/18/2025
Sample ID: LB136202BL							
TSS	mg/L	1	2.0000	J	1	4	06/18/2025
Sample ID: LB136205BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	06/19/2025
Sample ID: PB168578BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	06/24/2025
Sample ID: PB168588BL							
TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	06/24/2025

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2344-01
Client ID:	MW-1MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.3		0.37	U	10	1	103		06/17/2025
Chloride	mg/L	80-120	111	OR	112	OR	3	1	-33	*	06/17/2025
Fluoride	mg/L	80-120	2.20		0.12	J	2	1	104		06/17/2025
TKN	mg/L	75-125	5.00		0.36	J	5	1	93		06/24/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		06/17/2025
Nitrate	mg/L	80-120	4.30		1.80		2.5	1	100		06/17/2025
Sulfate	mg/L	80-120	46.4	OR	31.7		15	1	98		06/17/2025
Orthophosphate as P	mg/L	80-120	5.00		0.34	U	5	1	100		06/17/2025

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2344-01
Client ID:	MW-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.1		0.37	U	10	1	101		06/17/2025
Chloride	mg/L	80-120	110	OR	112	OR	3	1	-67	*	06/17/2025
TKN	mg/L	75-125	4.80		0.36	J	5	1	89		06/24/2025
Fluoride	mg/L	80-120	2.20		0.12	J	2	1	104		06/17/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		06/17/2025
Nitrate	mg/L	80-120	4.30		1.80		2.5	1	100		06/17/2025
Sulfate	mg/L	80-120	46.1	OR	31.7		15	1	96		06/17/2025
Orthophosphate as P	mg/L	80-120	5.20		0.34	U	5	1	104		06/17/2025

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2385-01
Client ID:	A5311MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	0.95		0.030	U	1	1	95		06/24/2025

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2385-01
Client ID:	A5311MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	0.96		0.030	U	1	1	96		06/24/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2316-02
Client ID:	RW8-SP303-20250612DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TDS	mg/L	+/-5	1.00	J	1.00	J	1	0		06/17/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2334-01
Client ID:	MW3DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Alkalinity	mg/L	+/-20	122		121		1	1		06/19/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2344-01
Client ID:	MW-1DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
BOD5	mg/L	+/-20	5.70		5.88		1	3.11		06/18/2025
Turbidity	NTU	+/-20	1.15		1.15		1	0		06/18/2025
TKN	mg/L	+/-20	0.36	J	0.36	J	1	0		06/24/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2344-01
Client ID:	MW-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Fluoride	mg/L	+/-20	2.20		2.20		1	0		06/17/2025
Nitrate	mg/L	+/-20	4.30		4.30		1	0		06/17/2025
Chloride	mg/L	+/-20	111	OR	110	OR	1	1		06/17/2025
Sulfate	mg/L	+/-20	46.4	OR	46.1	OR	1	1		06/17/2025
Bromide	mg/L	+/-20	10.3		10.1		1	2		06/17/2025
Nitrite	mg/L	+/-20	3.10		3.00		1	3		06/17/2025
Orthophosphate as P	mg/L	+/-20	5.00		5.20		1	4		06/17/2025
TKN	mg/L	+/-20	5.00		4.80		1	4		06/24/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2344-07
Client ID:	MW-2DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
pH	pH	+/-20	6.83		6.84		1	0.15		06/18/2025
TSS	mg/L	+/-5	11.6		12.1		1	4.22		06/18/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2385-01
Client ID:	A5311DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	0.030	U	0.030	U	1	0		06/24/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q2344
Project:	Ansonia Landfill 2025	Sample ID:	Q2385-01
Client ID:	A5311MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	0.95		0.96		1	1		06/24/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Run No.: LB136184

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136184BS							
BOD5	mg/L	198	198		100	1	84.6-115.4	06/18/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Run No.: LB136186

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136186BS							
TDS	mg/L	100	95.0		95	1	90-110	06/17/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Run No.: LB136191

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136191BSW							
Bromide	mg/L	10	10.3		103	1	90-110	06/17/2025
Chloride	mg/L	3	3.10		103	1	90-110	06/17/2025
Fluoride	mg/L	2	2.10		105	1	90-110	06/17/2025
Nitrite	mg/L	3	3.10		103	1	90-110	06/17/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	06/17/2025
Sulfate	mg/L	15	15.3		102	1	90-110	06/17/2025
Orthophosphate as P	mg/L	5	5.40		108	1	90-110	06/17/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Run No.: LB136191

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136191BSW2							
Bromide	mg/L	10	10.3		103	1	90-110	06/18/2025
Chloride	mg/L	3	3.10		103	1	90-110	06/18/2025
Fluoride	mg/L	2	2.10		105	1	90-110	06/18/2025
Nitrite	mg/L	3	3.10		103	1	90-110	06/18/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	06/18/2025
Sulfate	mg/L	15	15.3		102	1	90-110	06/18/2025
Orthophosphate as P	mg/L	5	5.10		102	1	90-110	06/18/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Run No.: LB136202

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136202BS							
TSS	mg/L	550	533		97	1	90-110	06/18/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Run No.: LB136205

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136205BSW							
Alkalinity	mg/L	50	47.5		95	1	80-120	06/19/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Run No.: LB136242

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168578BS							
Ammonia as N	mg/L	1	0.95		95	1	90-110	06/24/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q2344

Project: Ansonia Landfill 2025

Run No.: LB136244

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168588BS							
TKN	mg/L	5	4.90		98	1	90-110	06/24/2025