

LAB CHRONICLE

OrderID: P4548	OrderDate: 10/24/2024 3:18:00 PM
Client: Lockwood, Kessler & Bartlett, Inc.	Project: Ansonia Landfill 2024
Contact: John Gerlach	Location: K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4548-01	MW-1	WATER			10/23/24 10:05			10/24/24
			Alkalinity	SM2320 B			11/04/24 10:25	
			Ammonia	SM4500-NH3		10/28/24	10/28/24 13:42	
			Anions Group1	300.0			10/25/24 09:35	
			BOD5	SM5210 B			10/25/24 09:30	
			pH	9040C			10/25/24 10:10	
			TDS	SM2540 C			10/25/24 12:30	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		10/28/24	10/28/24 16:20	
			Total Nitrogen	Cal			10/28/24 16:20	
			TSS	SM2540 D			10/28/24 09:00	
			Turbidity	SM2130 B			10/25/24 09:26	
P4548-01DL	MW-1DL	WATER			10/23/24 10:05			10/24/24
			Anions Group1	300.0			10/25/24 12:06	
P4548-03	MW-2	WATER			10/23/24 12:15			10/24/24

LAB CHRONICLE

Alkalinity	SM2320 B		11/04/24
			10:35
Ammonia	SM4500-NH3	10/28/24	10/28/24
			13:53
Anions Group1	300.0		10/25/24
			11:23
BOD5	SM5210 B		10/25/24
			09:30
pH	9040C		10/25/24
			10:15
TDS	SM2540 C		10/25/24
			12:30
TKN	SM4500-N	10/28/24	10/28/24
	Org C-11 plus		16:30
	NH3 B plus		
	G-11		
Total Nitrogen	Cal		10/28/24
			16:57
TSS	SM2540 D		10/28/24
			09:00
Turbidity	SM2130 B		10/25/24
			09:34

P4548-03DL	MW-2DL	WATER	10/23/24 12:15	10/24/24
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Ammonia	SM4500-NH3	10/28/24	10/28/24
			14:41
Anions Group1	300.0		10/25/24
			14:15
TKN	SM4500-N	10/28/24	10/28/24
	Org C-11 plus		16:57
	NH3 B plus		
	G-11		

P4548-03DL 2	MW-2DL2	WATER	10/23/24 12:15	10/24/24
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Anions Group1	300.0		10/25/24
			12:28

P4548-05	MW-3	WATER	10/23/24 11:00	10/24/24
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LAB CHRONICLE

Alkalinity	SM2320 B		11/04/24
			10:41
Ammonia	SM4500-NH3	10/28/24	10/28/24
			13:53
Anions Group1	300.0		10/25/24
			10:40
BOD5	SM5210 B		10/25/24
			09:30
pH	9040C		10/25/24
			10:17
TDS	SM2540 C		10/25/24
			12:30
TKN	SM4500-N	10/28/24	10/28/24
	Org C-11 plus		16:30
	NH3 B plus		
	G-11		
Total Nitrogen	Cal		10/28/24
			16:30
TSS	SM2540 D		10/28/24
			09:00
Turbidity	SM2130 B		10/25/24
			09:38

P4548-05DL

MW-3DL

WATER

**10/23/24
11:00**

10/24/24

Ammonia	SM4500-NH3	10/28/24	10/28/24
			14:41
Anions Group1	300.0		10/25/24
			13:32

P4548-07

MW-4

WATER

**10/23/24
11:30**

10/24/24

Alkalinity	SM2320 B		11/04/24
			10:46
Ammonia	SM4500-NH3	10/28/24	10/28/24
			13:53
Anions Group1	300.0		10/25/24
			11:02
BOD5	SM5210 B		10/25/24
			09:30

LAB CHRONICLE

pH	9040C		10/25/24
			10:19
TDS	SM2540 C		10/25/24
			12:30
TKN	SM4500-N	10/28/24	10/28/24
	Org C-11 plus		16:30
	NH3 B plus		
	G-11		
Total Nitrogen	Cal		10/28/24
			16:30
TSS	SM2540 D		10/28/24
			09:00
Turbidity	SM2130 B		10/25/24
			09:42

P4548-07DL

MW-4DL

WATER

**10/23/24
11:30**

10/24/24

Ammonia	SM4500-NH3	10/28/24	10/28/24
			14:41
Anions Group1	300.0		10/25/24
			13:54



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24 10:05
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-1	SDG No.:	P4548
Lab Sample ID:	P4548-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	49.5		1	1.00	2.00	mg/L		11/04/24 10:25	SM 2320 B-11
Ammonia as N	0.045	U	1	0.045	0.10	mg/L	10/28/24 08:40	10/28/24 13:42	SM 4500-NH3 B plus G-11
Chloride	146	OR	1	0.011	0.60	mg/L		10/25/24 09:35	300.0
Nitrite	0.011	U	1	0.011	0.60	mg/L		10/25/24 09:35	300.0
Nitrate	1.30		1	0.0034	0.50	mg/L		10/25/24 09:35	300.0
Sulfate	31.6		1	0.032	3.00	mg/L		10/25/24 09:35	300.0
Nitrate+Nitrite	1.30		1	0.010	1.10	mg/L		10/25/24 09:35	300.0
BOD5	0.17	U	1	0.17	2.00	mg/L		10/25/24 09:30	SM 5210 B-16
pH	5.81	H	1	0	0	pH		10/25/24 10:10	9040C
TDS	422		1	1.00	10.0	mg/L		10/25/24 12:30	SM 2540 C-15
TKN	0.18	U	1	0.18	0.50	mg/L	10/28/24 09:30	10/28/24 16:20	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	1.30		1	0.31	1.30	mg/L		10/28/24 16:20	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		10/28/24 09:00	SM 2540 D-15
Turbidity	0.38	J	1	0.075	1.00	NTU		10/25/24 09:26	SM 2130 B-11

Comments: The alkalinity to pH 4.29=49.5 mg CaCO3/L, pH result reported at temperature 20.3 °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:	10/23/24 10:05
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-1DL	SDG No.:	P4548
Lab Sample ID:	P4548-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	110	D	50	0.55	30.0	mg/L		10/25/24 12:06	300.0

Comments:

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J = Estimated Value

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24 12:15
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-2	SDG No.:	P4548
Lab Sample ID:	P4548-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	437		1	1.00	2.00	mg/L		11/04/24 10:35	SM 2320 B-11
Ammonia as N	10.1	OR	1	0.045	0.10	mg/L	10/28/24 08:40	10/28/24 13:53	SM 4500-NH3 B plus G-11
Chloride	524	OR	1	0.011	0.60	mg/L		10/25/24 11:23	300.0
Nitrite	0.011	U	1	0.011	0.60	mg/L		10/25/24 11:23	300.0
Nitrate	0.088	J	1	0.0034	0.50	mg/L		10/25/24 11:23	300.0
Sulfate	41.8	OR	1	0.032	3.00	mg/L		10/25/24 11:23	300.0
Nitrate+Nitrite	0.090	J	1	0.010	1.10	mg/L		10/25/24 11:23	300.0
BOD5	10.5		1	0.17	2.00	mg/L		10/25/24 09:30	SM 5210 B-16
pH	6.72	H	1	0	0	pH		10/25/24 10:15	9040C
TDS	1150		1	1.00	10.0	mg/L		10/25/24 12:30	SM 2540 C-15
TKN	11.1	OR	1	0.18	0.50	mg/L	10/28/24 09:30	10/28/24 16:30	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	11.6		1	0.31	1.30	mg/L		10/28/24 16:57	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	23.5		1	1.00	4.00	mg/L		10/28/24 09:00	SM 2540 D-15
Turbidity	135		1	0.075	1.00	NTU		10/25/24 09:34	SM 2130 B-11

Comments: The alkalinity to pH 4.40=437 mg CaCO3/L, pH result reported at temperature 20.1 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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:	10/23/24 12:15
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-2DL	SDG No.:	P4548
Lab Sample ID:	P4548-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	12.0	D	10	0.45	1.00	mg/L	10/28/24 08:40	10/28/24 14:41	SM 4500-NH3 B plus G-11
Chloride	493	OR	2	0.022	1.20	mg/L		10/25/24 14:15	300.0
Sulfate	41.2	D	2	0.064	6.00	mg/L		10/25/24 14:15	300.0
TKN	11.5	D	2	0.36	1.00	mg/L	10/28/24 09:30	10/28/24 16:57	SM4500-N Org C-11 plus NH3 B plus G-11

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.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24 12:15
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-2DL2	SDG No.:	P4548
Lab Sample ID:	P4548-03DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	350	D	100	1.10	60.0	mg/L		10/25/24 12:28	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.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24 11:00
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-3	SDG No.:	P4548
Lab Sample ID:	P4548-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	368		1	1.00	2.00	mg/L		11/04/24 10:41	SM 2320 B-11
Ammonia as N	5.40	OR	1	0.045	0.10	mg/L	10/28/24 08:40	10/28/24 13:53	SM 4500-NH3 B plus G-11
Chloride	330	OR	1	0.011	0.60	mg/L		10/25/24 10:40	300.0
Nitrite	0.011	U	1	0.011	0.60	mg/L		10/25/24 10:40	300.0
Nitrate	2.20		1	0.0034	0.50	mg/L		10/25/24 10:40	300.0
Sulfate	15.2		1	0.032	3.00	mg/L		10/25/24 10:40	300.0
Nitrate+Nitrite	2.20		1	0.010	1.10	mg/L		10/25/24 10:40	300.0
BOD5	9.51		1	0.17	2.00	mg/L		10/25/24 09:30	SM 5210 B-16
pH	6.73	H	1	0	0	pH		10/25/24 10:17	9040C
TDS	774		1	1.00	10.0	mg/L		10/25/24 12:30	SM 2540 C-15
TKN	6.00		1	0.18	0.50	mg/L	10/28/24 09:30	10/28/24 16:30	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	8.20		1	0.31	1.30	mg/L		10/28/24 16:30	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	5.30		1	1.00	4.00	mg/L		10/28/24 09:00	SM 2540 D-15
Turbidity	20.0		1	0.075	1.00	NTU		10/25/24 09:38	SM 2130 B-11

Comments: The alkalinity to pH 4.38=368 mg CaCO3/L, pH result reported at temperature 20.1 °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:	10/23/24 11:00
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-3DL	SDG No.:	P4548
Lab Sample ID:	P4548-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	5.90	D	5	0.23	0.50	mg/L	10/28/24 08:40	10/28/24 14:41	SM 4500-NH3 B plus G-11
Chloride	230	D	100	1.10	60.0	mg/L		10/25/24 13:32	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.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24 11:30
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-4	SDG No.:	P4548
Lab Sample ID:	P4548-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	348		1	1.00	2.00	mg/L		11/04/24 10:46	SM 2320 B-11
Ammonia as N	5.30	OR	1	0.045	0.10	mg/L	10/28/24 08:40	10/28/24 13:53	SM 4500-NH3 B plus G-11
Chloride	331	OR	1	0.011	0.60	mg/L		10/25/24 11:02	300.0
Nitrite	0.011	U	1	0.011	0.60	mg/L		10/25/24 11:02	300.0
Nitrate	2.20		1	0.0034	0.50	mg/L		10/25/24 11:02	300.0
Sulfate	15.3		1	0.032	3.00	mg/L		10/25/24 11:02	300.0
Nitrate+Nitrite	2.20		1	0.010	1.10	mg/L		10/25/24 11:02	300.0
BOD5	10.9		1	0.17	2.00	mg/L		10/25/24 09:30	SM 5210 B-16
pH	6.75	H	1	0	0	pH		10/25/24 10:19	9040C
TDS	822		1	1.00	10.0	mg/L		10/25/24 12:30	SM 2540 C-15
TKN	5.70		1	0.18	0.50	mg/L	10/28/24 09:30	10/28/24 16:30	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	7.90		1	0.31	1.30	mg/L		10/28/24 16:30	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	5.60		1	1.00	4.00	mg/L		10/28/24 09:00	SM 2540 D-15
Turbidity	11.4		1	0.075	1.00	NTU		10/25/24 09:42	SM 2130 B-11

Comments: The alkalinity to pH 4.27=348 mg CaCO3/L, pH result reported at temperature 20.3 °C

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LOD = Limit of Detection

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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:	10/23/24 11:30
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-4DL	SDG No.:	P4548
Lab Sample ID:	P4548-07DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	5.80	D	5	0.23	0.50	mg/L	10/28/24 08:40	10/28/24 14:41	SM 4500-NH3 B plus G-11
Chloride	238	D	100	1.10	60.0	mg/L		10/25/24 13:54	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.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133119

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	10/16/2024
Chloride	mg/L	3	3	100	90-110	10/16/2024
Fluoride	mg/L	2	2	100	90-110	10/16/2024
Nitrite	mg/L	3	3	100	90-110	10/16/2024
Nitrate	mg/L	2.5	2.5	100	90-110	10/16/2024
Sulfate	mg/L	14.9	15	99	90-110	10/16/2024
Orthophosphate as P	mg/L	4.8	5	96	90-110	10/16/2024
Sample ID: CCV1						
Bromide	mg/L	10.5	10	105	90-110	10/25/2024
Chloride	mg/L	3.2	3	107	90-110	10/25/2024
Fluoride	mg/L	2.1	2	105	90-110	10/25/2024
Nitrite	mg/L	3.1	3	103	90-110	10/25/2024
Nitrate	mg/L	2.6	2.5	104	90-110	10/25/2024
Sulfate	mg/L	15.7	15	105	90-110	10/25/2024
Orthophosphate as P	mg/L	5.2	5	104	90-110	10/25/2024
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	10/25/2024
Chloride	mg/L	3.2	3	107	90-110	10/25/2024
Fluoride	mg/L	2.1	2	105	90-110	10/25/2024
Nitrite	mg/L	3.2	3	107	90-110	10/25/2024
Nitrate	mg/L	2.6	2.5	104	90-110	10/25/2024
Sulfate	mg/L	15.7	15	105	90-110	10/25/2024
Orthophosphate as P	mg/L	5.3	5	106	90-110	10/25/2024
Sample ID: CCV3						
Bromide	mg/L	10.6	10	106	90-110	10/25/2024
Chloride	mg/L	3.2	3	107	90-110	10/25/2024
Fluoride	mg/L	2.1	2	105	90-110	10/25/2024
Nitrite	mg/L	3.2	3	107	90-110	10/25/2024
Nitrate	mg/L	2.6	2.5	104	90-110	10/25/2024
Sulfate	mg/L	15.8	15	105	90-110	10/25/2024
Orthophosphate as P	mg/L	5.3	5	106	90-110	10/25/2024

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133120

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Turbidity	ICV	NTU	9.841	10	98	90-110	10/25/2024
Sample ID: Turbidity	CCV1	NTU	9.445	10	94	90-110	10/25/2024
Sample ID: Turbidity	CCV2	NTU	9.487	10	95	90-110	10/25/2024

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133123

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.00	7	100	90-110	10/25/2024
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	10/25/2024
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	10/25/2024

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133173

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1.1	1	110	90-110	10/28/2024
Sample ID: CCV1 Ammonia as N	mg/L	0.99	1	99	90-110	10/28/2024
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	10/28/2024
Sample ID: CCV3 Ammonia as N	mg/L	1.1	1	110	90-110	10/28/2024
Sample ID: CCV4 Ammonia as N	mg/L	1.1	1	110	90-110	10/28/2024

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133176

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TKN	mg/L	5	5	100	90-110	10/28/2024
Sample ID: CCV1 TKN	mg/L	5	5	100	90-110	10/28/2024
Sample ID: CCV2 TKN	mg/L	5.1	5	102	90-110	10/28/2024
Sample ID: CCV3 TKN	mg/L	5.3	5	106	90-110	10/28/2024
Sample ID: CCV4 TKN	mg/L	5.4	5	108	90-110	10/28/2024

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133119

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/16/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/16/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/16/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/16/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/16/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/16/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/16/2024
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/25/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/25/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/25/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/25/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/25/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/25/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/25/2024
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/25/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/25/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/25/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/25/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/25/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/25/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/25/2024
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/25/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/25/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/25/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/25/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/25/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/25/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/25/2024

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133120

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Turbidity	NTU	< 0.5000	0.5000	U	0.075	1.0	10/25/2024
Sample ID: CCB1 Turbidity	NTU	< 0.5000	0.5000	U	0.075	1	10/25/2024
Sample ID: CCB2 Turbidity	NTU	< 0.5000	0.5000	U	0.075	1	10/25/2024

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133173

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/28/2024
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/28/2024
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/28/2024
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/28/2024
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/28/2024

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

RunNo.: LB133176

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TKN	mg/L	< 0.2500	0.2500	U	0.18	0.5	10/28/2024
Sample ID: CCB1 TKN	mg/L	< 0.2500	0.2500	U	0.18	0.5	10/28/2024
Sample ID: CCB2 TKN	mg/L	< 0.2500	0.2500	U	0.18	0.5	10/28/2024
Sample ID: CCB3 TKN	mg/L	< 0.2500	0.2500	U	0.18	0.5	10/28/2024
Sample ID: CCB4 TKN	mg/L	< 0.2500	0.2500	U	0.18	0.5	10/28/2024

Preparation Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	LB133119BLW						
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/25/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/25/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/25/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/25/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/25/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/25/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/25/2024
Sample ID:	LB133120BL						
Turbidity	NTU	< 0.5000	0.5000	U	0.075	1.0	10/25/2024
Sample ID:	LB133122BL						
BOD5	mg/L	< 0.2000	0.2000	U	0.17	2.0	10/25/2024
Sample ID:	LB133165BL						
TSS	mg/L	< 2.0000	2.0000	U	1	4	10/28/2024
Sample ID:	LB133166BL						
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	10/25/2024
Sample ID:	LB133279BLW						
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	11/04/2024
Sample ID:	PB164383BL						
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/28/2024
Sample ID:	PB164408BL						
TKN	mg/L	< 0.2500	0.2500	U	0.18	0.5	10/28/2024

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	P4548
Project:	Ansonia Landfill 2024	Sample ID:	P4548-01
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	9.90		0.034	U	10	1	99		10/25/2024
Ammonia as N	mg/L	75-125	0.98		0.045	U	1	1	98		10/28/2024
Chloride	mg/L	80-120	143	OR	146	OR	3	1	-100	*	10/25/2024
Fluoride	mg/L	80-120	2.10		0.13	J	2	1	98		10/25/2024
TKN	mg/L	75-125	4.80		0.18	U	5	1	96		10/28/2024
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		10/25/2024
Nitrate	mg/L	80-120	3.80		1.30		2.5	1	100		10/25/2024
Sulfate	mg/L	80-120	45.2	OR	31.6		15	1	91		10/25/2024
Orthophosphate as P	mg/L	80-120	4.80		0.079	U	5	1	96		10/25/2024

Matrix Spike Summary

Client:

Lockwood, Kessler & Bartlett, Inc.

SDG No.:

P4548

Project:

Ansonia Landfill 2024

Sample ID:

P4548-01

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	9.40		0.034	U	10	1	94		10/25/2024
Ammonia as N	mg/L	75-125	0.99		0.045	U	1	1	99		10/28/2024
Chloride	mg/L	80-120	143	OR	146	OR	3	1	-100	*	10/25/2024
Fluoride	mg/L	80-120	2.00		0.13	J	2	1	94		10/25/2024
TKN	mg/L	75-125	4.80		0.18	U	5	1	96		10/28/2024
Nitrite	mg/L	80-120	2.80		0.011	U	3	1	93		10/25/2024
Nitrate	mg/L	80-120	3.60		1.30		2.5	1	92		10/25/2024
Sulfate	mg/L	80-120	44.7	OR	31.6		15	1	87		10/25/2024
Orthophosphate as P	mg/L	80-120	4.50		0.079	U	5	1	90		10/25/2024

Duplicate Sample Summary

Client:

Lockwood, Kessler & Bartlett, Inc.

Project:

Ansonia Landfill 2024

Client ID:

MW-1DUP

SDG No.:

P4548

Sample ID:

P4548-01

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
Turbidity	NTU	+/-20	0.38	J	0.38	J	1	1.59		10/25/2024
BOD5	mg/L	+/-20	0.17	U	0.17	U	1	0		10/25/2024
Ammonia as N	mg/L	+/-20	0.045	U	0.045	U	1	0		10/28/2024
TKN	mg/L	+/-20	0.18	U	0.18	U	1	0		10/28/2024
Alkalinity	mg/L	+/-20	49.5		48.7		1	2		11/04/2024

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	P4548
Project:	Ansonia Landfill 2024	Sample ID:	P4548-01
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
Chloride	mg/L	+/-20	143	OR	143	OR	1	0		10/25/2024
Sulfate	mg/L	+/-20	45.2	OR	44.7	OR	1	1		10/25/2024
Bromide	mg/L	+/-20	9.90		9.40		1	5		10/25/2024
Fluoride	mg/L	+/-20	2.10		2.00		1	5		10/25/2024
Nitrate	mg/L	+/-20	3.80		3.60		1	5		10/25/2024
Orthophosphate as P	mg/L	+/-20	4.80		4.50		1	6		10/25/2024
Nitrite	mg/L	+/-20	3.00		2.80		1	7		10/25/2024
Ammonia as N	mg/L	+/-20	0.98		0.99		1	1		10/28/2024
TKN	mg/L	+/-20	4.80		4.80		1	0		10/28/2024

Duplicate Sample Summary

Client:

Lockwood, Kessler & Bartlett, Inc.

Project:

Ansonia Landfill 2024

Client ID:

MW-4DUP

SDG No.:

P4548

Sample ID:

P4548-07

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
TSS	mg/L	+/-5	5.60		5.70		1	1.77		10/28/2024
TDS	mg/L	+/-5	822		840		1	2.17		10/25/2024



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Duplicate Sample Summary

Client:

Lockwood, Kessler & Bartlett, Inc.

SDG No.:

P4548

Project:

Ansonia Landfill 2024

Sample ID:

P4549-04

Client ID:

TT-069-IDWGW-20241024DUP

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	7.28		7.29		1	0.14		10/25/2024

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

Run No.: LB133119

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133119BSW							
Bromide	mg/L	10	10.6		106	1	90-110	10/25/2024
Chloride	mg/L	3	3.20		107	1	90-110	10/25/2024
Fluoride	mg/L	2	2.10		105	1	90-110	10/25/2024
Nitrite	mg/L	3	3.20		107	1	90-110	10/25/2024
Nitrate	mg/L	2.5	2.60		104	1	90-110	10/25/2024
Sulfate	mg/L	15	15.9		106	1	90-110	10/25/2024
Orthophosphate as P	mg/L	5	5.40		108	1	90-110	10/25/2024

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

Run No.: LB133122

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133122BS							
BOD5	mg/L	198	182		92	1	84.6-115.4	10/25/2024

Laboratory Control Sample Summary

Client:

Lockwood, Kessler & Bartlett, Inc.

SDG No.:

P4548

Project:

Ansonia Landfill 2024

Run No.:

LB133165

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133165BS							
TSS	mg/L	550	520		94	1	90-110	10/28/2024

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

Run No.: LB133166

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133166BS							
TDS	mg/L	100	94.0		94	1	90-110	10/25/2024

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: P4548

Project: Ansonia Landfill 2024

Run No.: LB133279

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133279BSW							
Alkalinity	mg/L	50	46.0		92	1	80-120	11/04/2024

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	P4548
Project:	Ansonia Landfill 2024	Run No.:	LB133173

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB164383BS							
Ammonia as N	mg/L	1	1.00		100	1	90-110	10/28/2024



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Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	P4548
Project:	Ansonia Landfill 2024	Run No.:	LB133176

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB164408BS							
TKN	mg/L	5	4.90		98	1	90-110	10/28/2024