284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS

PROJECT NAME : ANSONIA LANDFILL 2025

LOCKWOOD, KESSLER & BARTLETT, INC.

1 Aerial Way

Syosset, NY - 11791-

Phone No: 516-938-0600

ORDER ID : Q1782

ATTENTION : John Gerlach

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1782

Project ID : Ansonia Landfill 2025

Client : Lockwood, Kessler & Bartlett, Inc.

Lab Sample Number	Client Sample Number
Q1782-01	MW-1
Q1782-02	MW-1
Q1782-03	MW-2
Q1782-04	MW-2
Q1782-05	MW-3
Q1782-06	MW-3
Q1782-07	MW-4
Q1782-08	MW-4
Q1782-09	TRIP BLANK

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:23 pm, Apr 22, 2025

Date: 4/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Lockwood, Kessler & Bartlett, Inc.
Project Name: Ansonia Landfill 2025
Project # N/A
Chemtech Project # Q1782
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
9 Water samples were received on 04/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Ammonia, Anions Group1, BOD5, Dissolved Metals Group5, Metals Group4, pH, Redox Potential, TDS, TKN, Total Nitrogen, TSS, Turbidity and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate for {VX0411WBSD01} with File ID: VX045734.D met requirements for all samples except for Bromochloromethane[129%] but associated samples have not positive hit for this compound therefore no corrective action was taken.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 20% in the Initial Calibration method (82X040225W.M) for t-1,3dichloropropene, this compound is passing on Linear Regression.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial

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Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:24 pm, Apr 22, 2025

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CASE NARRATIVE

Lockwood, Kessler & Bartlett, Inc.
Project Name: Ansonia Landfill 2025
Project # N/A
Chemtech Project # Q1782
Test Name: Dissolved Metals Group5,Metals Group4

A. Number of Samples and Date of Receipt:
9 Water samples were received on 04/10/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Ammonia, Anions Group1, BOD5, Dissolved Metals Group5, Metals Group4, pH, Redox Potential, TDS, TKN, Total Nitrogen, TSS, Turbidity and VOCMS Group1. This data package contains results for Dissolved Metals Group5,Metals Group4.

C. Analytical Techniques:
The analysis of Dissolved Metals Group5,Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate (MW-4DUP) analysis met criteria for all samples except for Manganese due to sample Matrix interference.
The Matrix Spike (MW-4MS) analysis met criteria for all samples except for Manganese due to Chemical Interference during Digestion process.
The Matrix Spike Duplicate (MW-4MSD) analysis met criteria for all samples except for Manganese due to Chemical Interference during Digestion process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

Sample Q1782-01. Q1782-03, Q1782-05 and Q1782-07 analyzed as Total Metal, sample Q1782-02, Q1782-04, Q1782-06 and Q1782-08 analyzed as Dissolved Metal.

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Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:24 pm, Apr 22, 2025

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CASE NARRATIVE

Lockwood, Kessler & Bartlett, Inc.
Project Name: Ansonia Landfill 2025
Project # N/A
Chemtech Project # Q1782
Test Name: Total Nitrogen,pH,Alkalinity,TKN,Ammonia,Turbidity,TDS,BOD5,TSS,Anions Group1

A. Number of Samples and Date of Receipt:
9 Water samples were received on 04/10/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Ammonia, Anions Group1, BOD5, Dissolved Metals Group5, Metals Group4, pH, TDS, TKN, Total Nitrogen, TSS, Turbidity and VOCMS Group1. This data package contains results for Total Nitrogen, pH, Alkalinity, TKN, Ammonia, Turbidity, TDS, BOD5, TSS, Anions Group1.

C. Analytical Techniques:
The analysis of Anions Group1 was based on method 300.0, The analysis of pH was based on method 9040C, The analysis of Total Nitrogen was based on method Cal, The analysis of Turbidity was based on method SM2130 B, The analysis of Alkalinity was based on method SM2320 B, The analysis of TDS was based on method SM2540 C, The analysis of TSS was based on method SM2540 D, The analysis of TKN was based on method SM4500 N Org B or C, The analysis of Ammonia was based on method SM4500-NH3 and The analysis of BOD5 was based on method SM5210 B.

D. QA/ QC Samples:
The Holding Times were met for all samples except for MW-1 of pH, for MW-2 of pH.for MW-3 of pH.for MW-4 of pH as samples were receive out of holding time and for MW-04DL for Nitrate as sample dilution was analyze out of holding time.
Sample MW-1 was diluted due to high concentrations for Chloride, Sulfate & Sample MW-1DL was diluted due to high concentrations for Chloride & Sample MW-2 was diluted due to high concentrations for Ammonia as N, Chloride & Sample MW-3 was diluted due to high concentrations for Chloride & Sample MW-4 was diluted due to high concentrations for Chloride, Nitrate & Sample MW-4DL was diluted due to high concentrations for Chloride.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (MW-4MS) analysis met criteria for all samples except for Chloride due to matrix interferences.
The Matrix Spike Duplicate (MW-4MSD) analysis met criteria for all samples except for Chloride due to matrix interferences.

The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:24 pm, Apr 22, 2025

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1782

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 04/22/2025

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LAB CHRONICLE

OrderID:	Q1782	**OrderDate:**	4/10/2025 1:22:00 PM
Client:	Lockwood, Kessler & Bartlett, Inc.	**Project:**	Ansonia Landfill 2025
Contact:	John Gerlach	**Location:**	K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1782-01	**MW-1**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group1	8260-Low			04/11/25	
Q1782-03	**MW-2**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group1	8260-Low			04/11/25	
Q1782-05	**MW-3**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group1	8260-Low			04/11/25	
Q1782-09	**TRIP BLANK**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group1	8260-Low			04/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1782

Client: Lockwood, Kessler & Bartlett, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-1**							
Q1782-01	MW-1	Water	Acetone	1.80	J	1.50	5.00	ug/L
			Total Voc :	1.80				
			Total Concentration:	1.80				
Client ID:	**MW-2**							
Q1782-03	MW-2	Water	Acetone	1.50	J	1.50	5.00	ug/L
			Total Voc :	1.50				
			Total Concentration:	1.50				
Client ID:	**MW-3**							
Q1782-05	MW-3	Water	Acetone	1.90	J	1.50	5.00	ug/L
			Total Voc :	1.90				
			Total Concentration:	1.90				

SAMPLE DATA

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1	SDG No.:	Q1782
Lab Sample ID:	Q1782-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045741.D	1		04/11/25 15:04	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.80	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	UQ	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1	SDG No.:	Q1782
Lab Sample ID:	Q1782-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045741.D	1		04/11/25 15:04	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	U	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68700	5.544			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48900	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-2	SDG No.:	Q1782
Lab Sample ID:	Q1782-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045742.D	1		04/11/25 15:28	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	UQ	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-2	SDG No.:	Q1782
Lab Sample ID:	Q1782-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045742.D	1		04/11/25 15:28	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	U	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.3		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65300	5.543			
540-36-3	1,4-Difluorobenzene	128000	6.757			
3114-55-4	Chlorobenzene-d5	119000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	49200	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-3	SDG No.:	Q1782
Lab Sample ID:	Q1782-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045743.D	1		04/11/25 15:51	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.90	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	UQ	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-3	SDG No.:	Q1782
Lab Sample ID:	Q1782-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045743.D	1		04/11/25 15:51	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	U	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.0		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63600	5.55			
540-36-3	1,4-Difluorobenzene	124000	6.757			
3114-55-4	Chlorobenzene-d5	115000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	TRIP BLANK	SDG No.:	Q1782
Lab Sample ID:	Q1782-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045740.D	1		04/11/25 14:41	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	UQ	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	TRIP BLANK	SDG No.:	Q1782
Lab Sample ID:	Q1782-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045740.D	1		04/11/25 14:41	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	U	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.8		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62500	5.55			
540-36-3	1,4-Difluorobenzene	123000	6.757			
3114-55-4	Chlorobenzene-d5	113000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	49000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1782

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1782-01	MW-1	1,2-Dichloroethane-d4	50	53.3	107	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	50.6	101	77	121
Q1782-03	MW-2	1,2-Dichloroethane-d4	50	55.3	111	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	51.5	103	77	121
Q1782-05	MW-3	1,2-Dichloroethane-d4	50	55.1	110	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	51.0	102	86	113
		4-Bromofluorobenzene	50	52.0	104	77	121
Q1782-09	TRIP BLANK	1,2-Dichloroethane-d4	50	55.2	110	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	50.8	102	86	113
		4-Bromofluorobenzene	50	52.3	105	77	121
VX0411WBL01	VX0411WBL01	1,2-Dichloroethane-d4	50	53.5	107	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	50.0	100	86	113
		4-Bromofluorobenzene	50	50.4	101	77	121
VX0411WBS01	VX0411WBS01	1,2-Dichloroethane-d4	50	50.5	101	74	125
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	49.2	98	86	113
		4-Bromofluorobenzene	50	50.6	101	77	121
VX0411WBSD0	VX0411WBSD01	1,2-Dichloroethane-d4	50	52.3	105	74	125
		Dibromofluoromethane	50	49.8	100	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	52.9	106	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1782

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0411WBS01	Vinyl chloride	20	17.5	ug/L	88			65	117	
	Chloroethane	20	18.9	ug/L	95			56	128	
	Trichlorofluoromethane	20	18.4	ug/L	92			73	115	
	1,1-Dichloroethene	20	17.7	ug/L	89			74	110	
	Acrylonitrile	100	92.8	ug/L	93			73	113	
	Acetone	100	91.5	ug/L	92			60	125	
	Carbon disulfide	20	14.2	ug/L	71			64	112	
	Methylene Chloride	20	18.2	ug/L	91			72	114	
	Vinyl Acetate	100	92.3	ug/L	92			76	115	
	2-Butanone	100	95.6	ug/L	96			65	122	
	Carbon Tetrachloride	20	18.6	ug/L	93			77	113	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			77	110	
	Bromochloromethane	20	24.5	ug/L	123			70	124	
	Chloroform	20	18.3	ug/L	92			79	113	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			80	108	
	Benzene	20	18.1	ug/L	91			82	109	
	1,2-Dichloropropane	20	18.7	ug/L	94			83	111	
	Dibromomethane	20	18.5	ug/L	93			82	110	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	98.3	ug/L	98			74	118	
	Toluene	20	18.2	ug/L	91			82	110	
	t-1,3-Dichloropropene	20	17.5	ug/L	88			79	110	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			82	110	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	18.5	ug/L	93			82	110	
	1,2-Dibromoethane	20	18.6	ug/L	93			81	110	
	Tetrachloroethene	20	19.2	ug/L	96			67	123	
	Chlorobenzene	20	19.0	ug/L	95			82	109	
	1,1,1,2-Tetrachloroethane	20	18.5	ug/L	93			84	111	
	Ethyl Benzene	20	19.0	ug/L	95			83	109	
	m/p-Xylenes	40	37.7	ug/L	94			82	110	
	o-Xylene	20	19.1	ug/L	96			83	109	
	Styrene	20	19.3	ug/L	97			80	111	
	Bromoform	20	17.9	ug/L	90			79	109	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			76	118	
	1,2,3-Trichloropropane	20	19.3	ug/L	97			75	112	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			82	107	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.7	ug/L	99			68	112	
	Methyl iodide	20	16.1	ug/L	81			70	130	
	trans-1,4-Dichloro-2-butene	20	17.3	ug/L	86			79	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1782

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045734.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0411WBSD01	Vinyl chloride	20	17.6	ug/L	88	0		65	117	20
	Chloroethane	20	19.0	ug/L	95	0		56	128	20
	Trichlorofluoromethane	20	19.3	ug/L	97	5		73	115	20
	1,1-Dichloroethene	20	17.9	ug/L	90	1		74	110	20
	Acrylonitrile	100	99.0	ug/L	99	6		73	113	20
	Acetone	100	100	ug/L	100	8		60	125	20
	Carbon disulfide	20	14.5	ug/L	73	3		64	112	20
	Methylene Chloride	20	19.4	ug/L	97	6		72	114	20
	Vinyl Acetate	100	98.0	ug/L	98	6		76	115	20
	2-Butanone	100	100	ug/L	100	4		65	122	20
	Carbon Tetrachloride	20	18.9	ug/L	95	2		77	113	20
	cis-1,2-Dichloroethene	20	18.4	ug/L	92	2		77	110	20
	Bromochloromethane	20	25.7	ug/L	129	5	*	70	124	20
	Chloroform	20	19.7	ug/L	99	7		79	113	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97	4		80	108	20
	Benzene	20	18.7	ug/L	94	3		82	109	20
	1,2-Dichloropropane	20	19.2	ug/L	96	2		83	111	20
	Dibromomethane	20	19.7	ug/L	99	6		82	110	20
	Bromodichloromethane	20	19.5	ug/L	98	6		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	12		74	118	20
	Toluene	20	19.1	ug/L	96	5		82	110	20
	t-1,3-Dichloropropene	20	18.4	ug/L	92	4		79	110	20
	cis-1,3-Dichloropropene	20	19.9	ug/L	100	5		82	110	20
	2-Hexanone	100	110	ug/L	110	10		73	117	20
	Dibromochloromethane	20	19.2	ug/L	96	3		82	110	20
	1,2-Dibromoethane	20	20.1	ug/L	101	8		81	110	20
	Tetrachloroethene	20	19.2	ug/L	96	0		67	123	20
	Chlorobenzene	20	19.6	ug/L	98	3		82	109	20
	1,1,1,2-Tetrachloroethane	20	19.2	ug/L	96	3		84	111	20
	Ethyl Benzene	20	19.5	ug/L	98	3		83	109	20
	m/p-Xylenes	40	38.9	ug/L	97	3		82	110	20
	o-Xylene	20	19.7	ug/L	99	3		83	109	20
	Styrene	20	20.1	ug/L	101	4		80	111	20
	Bromoform	20	18.8	ug/L	94	4		79	109	20
	1,1,2,2-Tetrachloroethane	20	19.1	ug/L	96	1		76	118	20
	1,2,3-Trichloropropane	20	19.4	ug/L	97	0		75	112	20
	1,4-Dichlorobenzene	20	18.6	ug/L	93	2		82	107	20
	1,2-Dichlorobenzene	20	19.4	ug/L	97	0		82	109	20
	1,2-Dibromo-3-Chloropropane	20	20.3	ug/L	102	3		68	112	20
	Methyl iodide	20	17.6	ug/L	88	8		70	130	20
	trans-1,4-Dichloro-2-butene	20	17.0	ug/L	85	1		79	102	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0411WBL01

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG NO.: Q1782

Lab File ID: VX045732.D Lab Sample ID: VX0411WBL01

Date Analyzed: 04/11/2025 Time Analyzed: 11:32

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0411WBS01	VX0411WBS01	VX045733.D	04/11/2025
VX0411WBSD01	VX0411WBSD01	VX045734.D	04/11/2025
TRIP BLANK	Q1782-09	VX045740.D	04/11/2025
MW-1	Q1782-01	VX045741.D	04/11/2025
MW-2	Q1782-03	VX045742.D	04/11/2025
MW-3	Q1782-05	VX045743.D	04/11/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG NO.: Q1782

Lab File ID: VX045524.D BFB Injection Date: 04/01/2025

Instrument ID: MSVOA_X BFB Injection Time: 16:15

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	65.3 (97.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX045525.D	04/01/2025	17:06
VSTDICC005	VSTDICC005	VX045526.D	04/01/2025	17:29
VSTDICC020	VSTDICC020	VX045527.D	04/01/2025	17:52
VSTDICCC050	VSTDICCC050	VX045528.D	04/01/2025	18:15
VSTDICC100	VSTDICC100	VX045529.D	04/01/2025	18:38
VSTDICC150	VSTDICC150	VX045530.D	04/01/2025	19:02

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG NO.: Q1782

Lab File ID: VX045729.D BFB Injection Date: 04/11/2025

Instrument ID: MSVOA_X BFB Injection Time: 10:14

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.3) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5 (7.5) 1
176	95.0 - 101.0% of mass 174	63.3 (95.7) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045730.D	04/11/2025	10:41
VX0411WBL01	VX0411WBL01	VX045732.D	04/11/2025	11:32
VX0411WBS01	VX0411WBS01	VX045733.D	04/11/2025	11:55
VX0411WBSD01	VX0411WBSD01	VX045734.D	04/11/2025	12:22
TRIP BLANK	Q1782-09	VX045740.D	04/11/2025	14:41
MW-1	Q1782-01	VX045741.D	04/11/2025	15:04
MW-2	Q1782-03	VX045742.D	04/11/2025	15:28
MW-3	Q1782-05	VX045743.D	04/11/2025	15:51

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG NO.: Q1782

Lab File ID: VX045730.D Date Analyzed: 04/11/2025

Instrument ID: MSVOA_X Time Analyzed: 10:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	97283	5.54	164714	6.76	147741	10.05
UPPER LIMIT	194566	6.044	329428	7.257	295482	10.549
LOWER LIMIT	48641.5	5.044	82357	6.257	73870.5	9.549
EPA SAMPLE NO.						
MW-1	68722	5.54	132692	6.76	121469	10.05
MW-2	65299	5.54	128436	6.76	119025	10.06
MW-3	63602	5.55	124448	6.76	115160	10.06
TRIP BLANK	62495	5.55	122581	6.76	112879	10.05
VX0411WBL01	65554	5.55	128675	6.76	118153	10.05
VX0411WBS01	92540	5.54	163903	6.76	140888	10.05
VX0411WBSD01	84320	5.54	150272	6.76	131860	10.05

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG NO.: Q1782

Lab File ID: VX045730.D Date Analyzed: 04/11/2025

Instrument ID: MSVOA_X Time Analyzed: 10:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	71449	12.018				
UPPER LIMIT	142898	12.518				
LOWER LIMIT	35724.5	11.518				
EPA SAMPLE NO.						
MW-1	48933	12.02				
MW-2	49214	12.02				
MW-3	48473	12.02				
TRIP BLANK	48954	12.02				
VX0411WBL01	48353	12.02				
VX0411WBS01	64715	12.02				
VX0411WBSD01	63206	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0411WBL01	SDG No.:	Q1782
Lab Sample ID:	VX0411WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045732.D	1		04/11/25 11:32	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0411WBL01	SDG No.:	Q1782
Lab Sample ID:	VX0411WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045732.D	1		04/11/25 11:32	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	U	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.0		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65600	5.55			
540-36-3	1,4-Difluorobenzene	129000	6.757			
3114-55-4	Chlorobenzene-d5	118000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48400	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0411WBS01	SDG No.:	Q1782
Lab Sample ID:	VX0411WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045733.D	1		04/11/25 11:55	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.5		0.26	1.00	ug/L
75-00-3	Chloroethane	18.9		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.4		0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.23	1.00	ug/L
107-13-1	Acrylonitrile	92.8		0.83	5.00	ug/L
67-64-1	Acetone	91.5		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.2		0.21	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.28	1.00	ug/L
108-05-4	Vinyl Acetate	92.3		0.66	5.00	ug/L
78-93-3	2-Butanone	95.6		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	24.5		0.22	1.00	ug/L
67-66-3	Chloroform	18.3		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	1.00	ug/L
71-43-2	Benzene	18.1		0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.7		0.20	1.00	ug/L
74-95-3	Dibromomethane	18.5		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.3		0.68	5.00	ug/L
108-88-3	Toluene	18.2		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.0		0.16	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	18.5		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.13	1.00	ug/L

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0411WBS01	SDG No.:	Q1782
Lab Sample ID:	VX0411WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045733.D	1		04/11/25 11:55	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	56.8		0.36	3.00	ug/L
100-42-5	Styrene	19.3		0.15	1.00	ug/L
75-25-2	Bromoform	17.9		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	19.3		0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		0.53	1.00	ug/L
74-88-4	Methyl Iodide	16.1		0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	17.3		0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92500	5.544			
540-36-3	1,4-Difluorobenzene	164000	6.757			
3114-55-4	Chlorobenzene-d5	141000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	64700	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0411WBSD01	SDG No.:	Q1782
Lab Sample ID:	VX0411WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045734.D	1		04/11/25 12:22	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.6		0.26	1.00	ug/L
75-00-3	Chloroethane	19.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.3		0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	1.00	ug/L
107-13-1	Acrylonitrile	99.0		0.83	5.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.5		0.21	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.28	1.00	ug/L
108-05-4	Vinyl Acetate	98.0		0.66	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	25.7		0.22	1.00	ug/L
67-66-3	Chloroform	19.7		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	1.00	ug/L
71-43-2	Benzene	18.7		0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	1.00	ug/L
74-95-3	Dibromomethane	19.7		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.1		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.16	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.2		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	1.00	ug/L

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0411WBSD01	SDG No.:	Q1782
Lab Sample ID:	VX0411WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045734.D	1		04/11/25 12:22	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	58.6		0.36	3.00	ug/L
100-42-5	Styrene	20.1		0.15	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.1		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	19.4		0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		0.53	1.00	ug/L
74-88-4	Methyl Iodide	17.6		0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	17.0		0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84300	5.544			
540-36-3	1,4-Difluorobenzene	150000	6.757			
3114-55-4	Chlorobenzene-d5	132000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63200	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG No.: Q1782

Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX045525.D RRF005 = VX045526.D RRF020 = VX045527.D
RRF050 = VX045528.D RRF100 = VX045529.D RRF150 = VX045530.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.671	0.662	0.701	0.716	0.738	0.730	0.703	4.4
Chloroethane	0.378	0.397	0.390	0.398	0.355	0.319	0.373	8.3
Trichlorofluoromethane	1.051	0.999	1.075	1.086	1.089	0.989	1.048	4.2
1,1-Dichloroethene	0.563	0.588	0.612	0.604	0.618	0.616	0.600	3.5
Acrylonitrile	0.356	0.382	0.413	0.407	0.394	0.376	0.388	5.4
Acetone	0.400	0.369	0.387	0.378	0.365	0.355	0.375	4.3
Carbon Disulfide	1.334	1.327	1.434	1.553	1.604	1.642	1.483	9.2
Methylene Chloride	0.692	0.695	0.726	0.709	0.705	0.690	0.703	2
Vinyl Acetate	1.542	1.693	2.005	2.087	2.147	2.156	1.938	13.3
2-Butanone	0.474	0.537	0.582	0.586	0.571	0.548	0.550	7.5
Carbon Tetrachloride	0.450	0.497	0.521	0.536	0.545	0.556	0.518	7.5
cis-1,2-Dichloroethene	0.762	0.696	0.760	0.751	0.754	0.760	0.747	3.4
Bromochloromethane	0.671	0.608	0.617	0.596	0.610	0.576	0.613	5.2
Chloroform	1.244	1.309	1.348	1.315	1.309	1.309	1.306	2.6
1,1,1-Trichloroethane	1.028	1.052	1.120	1.109	1.153	1.167	1.105	5
Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.8
1,2-Dichloropropane	0.309	0.365	0.388	0.376	0.379	0.374	0.365	7.8
Dibromomethane	0.237	0.287	0.297	0.292	0.286	0.282	0.280	7.8
Bromodichloromethane	0.521	0.519	0.576	0.572	0.587	0.583	0.560	5.6
4-Methyl-2-Pentanone	0.499	0.578	0.661	0.663	0.647	0.589	0.606	10.6
Toluene	0.817	0.866	0.939	0.910	0.905	0.875	0.885	4.8
t-1,3-Dichloropropene	0.316	0.400	0.465	0.508	0.555	0.558	0.467	20.3
cis-1,3-Dichloropropene	0.371	0.474	0.546	0.568	0.597	0.600	0.526	16.9
2-Hexanone	0.363	0.429	0.488	0.492	0.484	0.439	0.449	11.1
Dibromochloromethane	0.313	0.352	0.404	0.412	0.421	0.405	0.385	11.1
1,2-Dibromoethane	0.294	0.351	0.380	0.373	0.380	0.364	0.357	9.1
Tetrachloroethene	0.346	0.373	0.371	0.347	0.333	0.347	0.353	4.5
Chlorobenzene	0.951	1.054	1.123	1.084	1.086	1.112	1.068	5.8
1,1,1,2-Tetrachloroethane	0.368	0.344	0.372	0.373	0.379	0.390	0.371	4.2
Ethyl Benzene	1.608	1.819	2.002	2.007	1.993	2.053	1.914	8.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG No.: Q1782

Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX045525.D RRF005 = VX045526.D RRF020 = VX045527.D
RRF050 = VX045528.D RRF100 = VX045529.D RRF150 = VX045530.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
m/p-Xylenes	0.594	0.669	0.732	0.728	0.723	0.729	0.696	7.9
o-Xylene	0.562	0.676	0.725	0.719	0.716	0.714	0.686	9.2
Styrene	0.897	1.043	1.202	1.216	1.230	1.202	1.132	11.8
Bromoform	0.220	0.252	0.272	0.296	0.307	0.315	0.277	13.1
1,1,2,2-Tetrachloroethane	1.457	1.428	1.461	1.384	1.354	1.358	1.407	3.4
1,2,3-Trichloropropane	1.221	1.257	1.251	1.225	1.192	1.171	1.220	2.7
1,4-Dichlorobenzene	1.671	1.724	1.768	1.703	1.674	1.706	1.708	2.1
1,2-Dichlorobenzene	1.644	1.645	1.750	1.678	1.665	1.667	1.675	2.3
1,2-Dibromo-3-Chloropropane	0.196	0.260	0.312	0.316	0.333	0.349	0.294	19.4
1,2-Dichloroethane-d4		0.962	0.900	0.868	0.904	0.937	0.914	3.9
Dibromofluoromethane		0.372	0.342	0.345	0.353	0.362	0.355	3.5
Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.5
4-Bromofluorobenzene		0.413	0.448	0.453	0.481	0.460	0.451	5.5
Methyl Iodide		0.705	0.789	0.799	0.788	0.750	0.766	5.1
trans-1,4-Dichloro-2-butene		0.274	0.323	0.371	0.401	0.428	0.359	17.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG No.: Q1782

Instrument ID: MSVOA_X Calibration Date/Time: 04/11/2025 10:41

Lab File ID: VX045730.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.703	0.636		-9.53	20
Chloroethane	0.373	0.355		-4.83	20
Trichlorofluoromethane	1.048	1.004		-4.2	20
1,1-Dichloroethene	0.600	0.549		-8.5	20
Acrylonitrile	0.388	0.368		-5.16	20
Acetone	0.375	0.347		-7.47	20
Carbon Disulfide	1.483	1.188		-19.89	20
Methylene Chloride	0.703	0.649		-7.68	20
Vinyl Acetate	1.938	1.908		-1.55	20
2-Butanone	0.550	0.536		-2.55	20
Carbon Tetrachloride	0.518	0.529		2.12	20
cis-1,2-Dichloroethene	0.747	0.682		-8.7	20
Bromochloromethane	0.613	0.580		-5.38	20
Chloroform	1.306	1.240		-5.05	20
1,1,1-Trichloroethane	1.105	1.067		-3.44	20
Benzene	1.463	1.404		-4.03	20
1,2-Dichloropropane	0.365	0.361		-1.1	20
Dibromomethane	0.280	0.275		-1.79	20
Bromodichloromethane	0.560	0.562		0.36	20
4-Methyl-2-Pentanone	0.606	0.640		5.61	20
Toluene	0.885	0.858		-3.05	20
t-1,3-Dichloropropene	0.467	0.511		9.42	20
cis-1,3-Dichloropropene	0.526	0.565		7.41	20
2-Hexanone	0.449	0.475		5.79	20
Dibromochloromethane	0.385	0.398		3.38	20
1,2-Dibromoethane	0.357	0.366		2.52	20
Tetrachloroethene	0.353	0.323		-8.5	20
Chlorobenzene	1.068	1.043	0.3	-2.34	20
1,1,1,2-Tetrachloroethane	0.371	0.368		-0.81	20
Ethyl Benzene	1.914	1.917		0.16	20
m/p-Xylenes	0.696	0.709		1.87	20
o-Xylene	0.686	0.699		1.89	20
Styrene	1.132	1.185		4.68	20
Bromoform	0.277	0.288	0.1	3.97	20
1,1,2,2-Tetrachloroethane	1.407	1.291	0.3	-8.24	20
1,2,3-Trichloropropane	1.220	1.130		-7.38	20
1,4-Dichlorobenzene	1.708	1.635		-4.27	20
1,2-Dichlorobenzene	1.675	1.610		-3.88	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG No.: Q1782

Instrument ID: MSVOA_X Calibration Date/Time: 04/11/2025 10:41

Lab File ID: VX045730.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dibromo-3-Chloropropane	0.294	0.301		2.38	20
1,2-Dichloroethane-d4	0.914	0.880		-3.72	20
Dibromofluoromethane	0.355	0.354		-0.28	20
Toluene-d8	1.238	1.226		-0.97	20
4-Bromofluorobenzene	0.451	0.491		8.87	20
Methyl Iodide	0.766	0.690		-9.92	20
trans-1,4-Dichloro-2-butene	0.359	0.351		-2.23	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	Q1782	**OrderDate:**	4/10/2025 1:22:00 PM
Client:	Lockwood, Kessler & Bartlett, Inc.	**Project:**	Ansonia Landfill 2025
Contact:	John Gerlach	**Location:**	K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1782-01	**MW-1**	**Water**			**04/09/25**			**04/10/25**
			Metals Group4	6010D		04/14/25	04/15/25	
Q1782-02	**MW-1**	**Water**			**04/09/25**			**04/10/25**
			Dissolved Metals Group5	6010D		04/14/25	04/15/25	
Q1782-03	**MW-2**	**Water**			**04/09/25**			**04/10/25**
			Metals Group4	6010D		04/14/25	04/15/25	
Q1782-04	**MW-2**	**Water**			**04/09/25**			**04/10/25**
			Dissolved Metals Group5	6010D		04/14/25	04/15/25	
Q1782-05	**MW-3**	**Water**			**04/09/25**			**04/10/25**
			Metals Group4	6010D		04/14/25	04/15/25	
Q1782-06	**MW-3**	**Water**			**04/09/25**			**04/10/25**
			Dissolved Metals Group5	6010D		04/14/25	04/15/25	
Q1782-07	**MW-4**	**Water**			**04/09/25**			**04/10/25**
			Metals Group4	6010D		04/14/25	04/15/25	
Q1782-08	**MW-4**	**Water**			**04/09/25**			**04/10/25**
			Dissolved Metals Group5	6010D		04/14/25	04/15/25	

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: Q1782 **Order ID:** Q1782

Client: Lockwood, Kessler & Bartlett, Inc. **Project ID:** Ansonia Landfill 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-1								
Q1782-01	MW-1	Water	Barium	43.9	J	6.28	50.0	ug/L
Q1782-01	MW-1	Water	Cadmium	1.18	J	0.094	3.00	ug/L
Q1782-01	MW-1	Water	Chromium	1.67	J	0.66	5.00	ug/L
Q1782-01	MW-1	Water	Nickel	4.15	J	0.85	20.0	ug/L
Q1782-01	MW-1	Water	Potassium	4240		685	1000	ug/L
Q1782-01	MW-1	Water	Sodium	63400		237	1000	ug/L
Q1782-01	MW-1	Water	Zinc	129		1.75	20.0	ug/L
Client ID : MW-1								
Q1782-02	MW-1	Water	Iron	158		18.5	50.0	ug/L
Q1782-02	MW-1	Water	Manganese	102		1.46	10.0	ug/L
Client ID : MW-2								
Q1782-03	MW-2	Water	Barium	115		6.28	50.0	ug/L
Q1782-03	MW-2	Water	Cadmium	0.18	J	0.094	3.00	ug/L
Q1782-03	MW-2	Water	Chromium	10.9		0.66	5.00	ug/L
Q1782-03	MW-2	Water	Copper	16.0		7.07	10.0	ug/L
Q1782-03	MW-2	Water	Nickel	6.76	J	0.85	20.0	ug/L
Q1782-03	MW-2	Water	Potassium	16500		685	1000	ug/L
Q1782-03	MW-2	Water	Sodium	192000		237	1000	ug/L
Q1782-03	MW-2	Water	Zinc	46.9		1.75	20.0	ug/L
Client ID : MW-2								
Q1782-04	MW-2	Water	Iron	113		18.5	50.0	ug/L
Q1782-04	MW-2	Water	Manganese	55.6		1.46	10.0	ug/L
Client ID : MW-3								
Q1782-05	MW-3	Water	Barium	117		6.28	50.0	ug/L
Q1782-05	MW-3	Water	Potassium	12400		685	1000	ug/L
Q1782-05	MW-3	Water	Sodium	205000		237	1000	ug/L
Q1782-05	MW-3	Water	Zinc	9.44	J	1.75	20.0	ug/L
Client ID : MW-3								
Q1782-06	MW-3	Water	Iron	74.5		18.5	50.0	ug/L
Q1782-06	MW-3	Water	Manganese	51.2		1.46	10.0	ug/L
Client ID : MW-4								
Q1782-07	MW-4	Water	Barium	113		6.28	50.0	ug/L
Q1782-07	MW-4	Water	Potassium	12200		685	1000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1782 **Order ID:** Q1782

Client: Lockwood, Kessler & Bartlett, Inc. **Project ID:** Ansonia Landfill 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1782-07	MW-4	Water	Sodium	202000		237	1000	ug/L
Q1782-07	MW-4	Water	Zinc	9.56	J	1.75	20.0	ug/L
Client ID : MW-4								
Q1782-08	MW-4	Water	Iron	71.3		18.5	50.0	ug/L
Q1782-08	MW-4	Water	Manganese	32.7		1.46	10.0	ug/L

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1	SDG No.:	Q1782
Lab Sample ID:	Q1782-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-39-3	Barium	43.9	J	1	6.28	50.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-43-9	Cadmium	1.18	J	1	0.094	3.00	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-47-3	Chromium	1.67	J	1	0.66	5.00	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-02-0	Nickel	4.15	J	1	0.85	20.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-09-7	Potassium	4240		1	685	1000	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-23-5	Sodium	63400		1	237	1000	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010
7440-66-6	Zinc	129		1	1.75	20.0	ug/L	04/14/25 10:30	04/15/25 19:50	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

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

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1	SDG No.:	Q1782
Lab Sample ID:	Q1782-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	158		1	18.5	50.0	ug/L	04/14/25 10:30	04/15/25 19:54	SW6010	SW3010
7439-96-5	Manganese	102	N*	1	1.46	10.0	ug/L	04/14/25 10:30	04/15/25 19:54	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	

Comments: Dissolved Metals Group5

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-2	SDG No.:	Q1782
Lab Sample ID:	Q1782-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-39-3	Barium	115		1	6.28	50.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-43-9	Cadmium	0.18	J	1	0.094	3.00	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-47-3	Chromium	10.9		1	0.66	5.00	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-50-8	Copper	16.0		1	7.07	10.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-02-0	Nickel	6.76	J	1	0.85	20.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-09-7	Potassium	16500		1	685	1000	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-23-5	Sodium	192000		1	237	1000	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010
7440-66-6	Zinc	46.9		1	1.75	20.0	ug/L	04/14/25 10:30	04/15/25 20:07	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-2	SDG No.:	Q1782
Lab Sample ID:	Q1782-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	113		1	18.5	50.0	ug/L	04/14/25 10:30	04/15/25 20:11	SW6010	SW3010
7439-96-5	Manganese	55.6	N*	1	1.46	10.0	ug/L	04/14/25 10:30	04/15/25 20:11	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	

Comments: Dissolved Metals Group5

U = Not Detected
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LOD = Limit of Detection
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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-3	SDG No.:	Q1782
Lab Sample ID:	Q1782-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-39-3	Barium	117		1	6.28	50.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-47-3	Chromium	0.66	U	1	0.66	5.00	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-02-0	Nickel	0.85	U	1	0.85	20.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-09-7	Potassium	12400		1	685	1000	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-23-5	Sodium	205000		1	237	1000	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010
7440-66-6	Zinc	9.44	J	1	1.75	20.0	ug/L	04/14/25 10:30	04/15/25 20:16	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-3	SDG No.:	Q1782
Lab Sample ID:	Q1782-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	74.5		1	18.5	50.0	ug/L	04/14/25 10:30	04/15/25 20:21	SW6010	SW3010
7439-96-5	Manganese	51.2	N*	1	1.46	10.0	ug/L	04/14/25 10:30	04/15/25 20:21	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group5				

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-4	SDG No.:	Q1782
Lab Sample ID:	Q1782-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-39-3	Barium	113		1	6.28	50.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-47-3	Chromium	0.66	U	1	0.66	5.00	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-02-0	Nickel	0.85	U	1	0.85	20.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-09-7	Potassium	12200		1	685	1000	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-23-5	Sodium	202000		1	237	1000	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010
7440-66-6	Zinc	9.56	J	1	1.75	20.0	ug/L	04/14/25 10:30	04/15/25 20:25	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-4	SDG No.:	Q1782
Lab Sample ID:	Q1782-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	71.3		1	18.5	50.0	ug/L	04/14/25 10:30	04/15/25 20:59	SW6010	SW3010
7439-96-5	Manganese	32.7	N*	1	1.46	10.0	ug/L	04/14/25 10:30	04/15/25 20:59	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group5				

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

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

METAL CALIBRATION DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	1050	1000	105	90 - 110	P	04/15/2025	15:47	lb135445
	Arsenic	1020	1000	102	90 - 110	P	04/15/2025	15:47	lb135445
	Barium	548	520	105	90 - 110	P	04/15/2025	15:47	lb135445
	Beryllium	488	510	96	90 - 110	P	04/15/2025	15:47	lb135445
	Cadmium	493	510	97	90 - 110	P	04/15/2025	15:47	lb135445
	Chromium	506	520	97	90 - 110	P	04/15/2025	15:47	lb135445
	Cobalt	478	520	92	90 - 110	P	04/15/2025	15:47	lb135445
	Copper	508	510	100	90 - 110	P	04/15/2025	15:47	lb135445
	Iron	9690	10000	97	90 - 110	P	04/15/2025	15:47	lb135445
	Lead	973	1000	97	90 - 110	P	04/15/2025	15:47	lb135445
	Manganese	489	520	94	90 - 110	P	04/15/2025	15:47	lb135445
	Nickel	480	530	90	90 - 110	P	04/15/2025	15:47	lb135445
	Potassium	10100	9900	102	90 - 110	P	04/15/2025	15:47	lb135445
	Selenium	1070	1000	107	90 - 110	P	04/15/2025	15:47	lb135445
	Silver	247	250	99	90 - 110	P	04/15/2025	15:47	lb135445
	Sodium	10800	10000	108	90 - 110	P	04/15/2025	15:47	lb135445
	Thallium	1050	1000	105	90 - 110	P	04/15/2025	15:47	lb135445
	Vanadium	474	500	95	90 - 110	P	04/15/2025	15:47	lb135445
	Zinc	1010	1000	100	90 - 110	P	04/15/2025	15:47	lb135445

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV	Antimony	51.5	50.0	103	80 - 120	P	04/15/2025	15:51	lb135445
	Arsenic	22.8	20.0	114	80 - 120	P	04/15/2025	15:51	lb135445
	Barium	95.1	100	95	80 - 120	P	04/15/2025	15:51	lb135445
	Beryllium	5.81	6.0	97	80 - 120	P	04/15/2025	15:51	lb135445
	Cadmium	5.96	6.0	99	80 - 120	P	04/15/2025	15:51	lb135445
	Chromium	9.28	10.0	93	80 - 120	P	04/15/2025	15:51	lb135445
	Cobalt	28.6	30.0	95	80 - 120	P	04/15/2025	15:51	lb135445
	Copper	21.4	20.0	107	80 - 120	P	04/15/2025	15:51	lb135445
	Iron	92.9	100	93	80 - 120	P	04/15/2025	15:51	lb135445
	Lead	12.1	12.0	101	80 - 120	P	04/15/2025	15:51	lb135445
	Manganese	20.5	20.0	103	80 - 120	P	04/15/2025	15:51	lb135445
	Nickel	38.4	40.0	96	80 - 120	P	04/15/2025	15:51	lb135445
	Potassium	2040	2000	102	80 - 120	P	04/15/2025	15:51	lb135445
	Selenium	22.5	20.0	113	80 - 120	P	04/15/2025	15:51	lb135445
	Silver	10.5	10.0	104	80 - 120	P	04/15/2025	15:51	lb135445
	Sodium	1820	2000	91	80 - 120	P	04/15/2025	15:51	lb135445
	Thallium	44.9	40.0	112	80 - 120	P	04/15/2025	15:51	lb135445
	Vanadium	38.8	40.0	97	80 - 120	P	04/15/2025	15:51	lb135445
	Zinc	42.3	40.0	106	80 - 120	P	04/15/2025	15:51	lb135445

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Antimony	5020	5000	100	90 - 110	P	04/15/2025	16:26	lb135445
	Arsenic	5010	5000	100	90 - 110	P	04/15/2025	16:26	lb135445
	Barium	9820	10000	98	90 - 110	P	04/15/2025	16:26	lb135445
	Beryllium	249	250	100	90 - 110	P	04/15/2025	16:26	lb135445
	Cadmium	2440	2500	98	90 - 110	P	04/15/2025	16:26	lb135445
	Chromium	994	1000	99	90 - 110	P	04/15/2025	16:26	lb135445
	Cobalt	2450	2500	98	90 - 110	P	04/15/2025	16:26	lb135445
	Copper	1250	1250	100	90 - 110	P	04/15/2025	16:26	lb135445
	Iron	4940	5000	99	90 - 110	P	04/15/2025	16:26	lb135445
	Lead	4940	5000	99	90 - 110	P	04/15/2025	16:26	lb135445
	Manganese	2460	2500	98	90 - 110	P	04/15/2025	16:26	lb135445
	Nickel	2450	2500	98	90 - 110	P	04/15/2025	16:26	lb135445
	Potassium	25900	25000	104	90 - 110	P	04/15/2025	16:26	lb135445
	Selenium	5040	5000	101	90 - 110	P	04/15/2025	16:26	lb135445
	Silver	1240	1250	99	90 - 110	P	04/15/2025	16:26	lb135445
	Sodium	25600	25000	102	90 - 110	P	04/15/2025	16:26	lb135445
	Thallium	5080	5000	102	90 - 110	P	04/15/2025	16:26	lb135445
	Vanadium	2460	2500	98	90 - 110	P	04/15/2025	16:26	lb135445
	Zinc	2500	2500	100	90 - 110	P	04/15/2025	16:26	lb135445
CCV02	Antimony	4880	5000	98	90 - 110	P	04/15/2025	17:16	lb135445
	Arsenic	4870	5000	97	90 - 110	P	04/15/2025	17:16	lb135445
	Barium	9630	10000	96	90 - 110	P	04/15/2025	17:16	lb135445
	Beryllium	245	250	98	90 - 110	P	04/15/2025	17:16	lb135445
	Cadmium	2390	2500	96	90 - 110	P	04/15/2025	17:16	lb135445
	Chromium	988	1000	99	90 - 110	P	04/15/2025	17:16	lb135445
	Cobalt	2400	2500	96	90 - 110	P	04/15/2025	17:16	lb135445
	Copper	1220	1250	98	90 - 110	P	04/15/2025	17:16	lb135445
	Iron	4870	5000	97	90 - 110	P	04/15/2025	17:16	lb135445
	Lead	4820	5000	96	90 - 110	P	04/15/2025	17:16	lb135445
	Manganese	2410	2500	96	90 - 110	P	04/15/2025	17:16	lb135445
	Nickel	2400	2500	96	90 - 110	P	04/15/2025	17:16	lb135445
	Potassium	25400	25000	102	90 - 110	P	04/15/2025	17:16	lb135445
	Selenium	4880	5000	98	90 - 110	P	04/15/2025	17:16	lb135445
	Silver	1230	1250	98	90 - 110	P	04/15/2025	17:16	lb135445

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Sodium	25100	25000	100	90 - 110	P	04/15/2025	17:16	lb135445
	Thallium	4960	5000	99	90 - 110	P	04/15/2025	17:16	lb135445
	Vanadium	2420	2500	97	90 - 110	P	04/15/2025	17:16	lb135445
	Zinc	2460	2500	98	90 - 110	P	04/15/2025	17:16	lb135445
CCV03	Antimony	4980	5000	100	90 - 110	P	04/15/2025	18:07	lb135445
	Arsenic	4970	5000	99	90 - 110	P	04/15/2025	18:07	lb135445
	Barium	9800	10000	98	90 - 110	P	04/15/2025	18:07	lb135445
	Beryllium	242	250	97	90 - 110	P	04/15/2025	18:07	lb135445
	Cadmium	2440	2500	98	90 - 110	P	04/15/2025	18:07	lb135445
	Chromium	996	1000	100	90 - 110	P	04/15/2025	18:07	lb135445
	Cobalt	2440	2500	98	90 - 110	P	04/15/2025	18:07	lb135445
	Copper	1240	1250	99	90 - 110	P	04/15/2025	18:07	lb135445
	Iron	5050	5000	101	90 - 110	P	04/15/2025	18:07	lb135445
	Lead	4910	5000	98	90 - 110	P	04/15/2025	18:07	lb135445
	Manganese	2420	2500	97	90 - 110	P	04/15/2025	18:07	lb135445
	Nickel	2440	2500	98	90 - 110	P	04/15/2025	18:07	lb135445
	Potassium	25200	25000	101	90 - 110	P	04/15/2025	18:07	lb135445
	Selenium	5010	5000	100	90 - 110	P	04/15/2025	18:07	lb135445
	Silver	1240	1250	99	90 - 110	P	04/15/2025	18:07	lb135445
	Sodium	25000	25000	100	90 - 110	P	04/15/2025	18:07	lb135445
	Thallium	5020	5000	100	90 - 110	P	04/15/2025	18:07	lb135445
	Vanadium	2440	2500	98	90 - 110	P	04/15/2025	18:07	lb135445
	Zinc	2490	2500	100	90 - 110	P	04/15/2025	18:07	lb135445
CCV04	Antimony	4970	5000	100	90 - 110	P	04/15/2025	19:08	lb135445
	Arsenic	4980	5000	100	90 - 110	P	04/15/2025	19:08	lb135445
	Barium	9680	10000	97	90 - 110	P	04/15/2025	19:08	lb135445
	Beryllium	246	250	98	90 - 110	P	04/15/2025	19:08	lb135445
	Cadmium	2460	2500	98	90 - 110	P	04/15/2025	19:08	lb135445
	Chromium	994	1000	99	90 - 110	P	04/15/2025	19:08	lb135445
	Cobalt	2460	2500	98	90 - 110	P	04/15/2025	19:08	lb135445
	Copper	1240	1250	99	90 - 110	P	04/15/2025	19:08	lb135445
	Iron	4910	5000	98	90 - 110	P	04/15/2025	19:08	lb135445
	Lead	4950	5000	99	90 - 110	P	04/15/2025	19:08	lb135445
	Manganese	2440	2500	97	90 - 110	P	04/15/2025	19:08	lb135445

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Nickel	2460	2500	98	90 - 110	P	04/15/2025	19:08	lb135445
	Potassium	24400	25000	98	90 - 110	P	04/15/2025	19:08	lb135445
	Selenium	5000	5000	100	90 - 110	P	04/15/2025	19:08	lb135445
	Silver	1230	1250	98	90 - 110	P	04/15/2025	19:08	lb135445
	Sodium	24100	25000	96	90 - 110	P	04/15/2025	19:08	lb135445
	Thallium	5020	5000	100	90 - 110	P	04/15/2025	19:08	lb135445
	Vanadium	2460	2500	98	90 - 110	P	04/15/2025	19:08	lb135445
	Zinc	2470	2500	99	90 - 110	P	04/15/2025	19:08	lb135445
CCV05	Antimony	4830	5000	96	90 - 110	P	04/15/2025	19:59	lb135445
	Arsenic	4820	5000	96	90 - 110	P	04/15/2025	19:59	lb135445
	Barium	9600	10000	96	90 - 110	P	04/15/2025	19:59	lb135445
	Beryllium	238	250	95	90 - 110	P	04/15/2025	19:59	lb135445
	Cadmium	2390	2500	96	90 - 110	P	04/15/2025	19:59	lb135445
	Chromium	972	1000	97	90 - 110	P	04/15/2025	19:59	lb135445
	Cobalt	2390	2500	96	90 - 110	P	04/15/2025	19:59	lb135445
	Copper	1200	1250	96	90 - 110	P	04/15/2025	19:59	lb135445
	Iron	4870	5000	97	90 - 110	P	04/15/2025	19:59	lb135445
	Lead	4830	5000	97	90 - 110	P	04/15/2025	19:59	lb135445
	Manganese	2390	2500	96	90 - 110	P	04/15/2025	19:59	lb135445
	Nickel	2400	2500	96	90 - 110	P	04/15/2025	19:59	lb135445
	Potassium	24100	25000	97	90 - 110	P	04/15/2025	19:59	lb135445
	Selenium	4840	5000	97	90 - 110	P	04/15/2025	19:59	lb135445
	Silver	1210	1250	96	90 - 110	P	04/15/2025	19:59	lb135445
	Sodium	24000	25000	96	90 - 110	P	04/15/2025	19:59	lb135445
	Thallium	4850	5000	97	90 - 110	P	04/15/2025	19:59	lb135445
	Vanadium	2400	2500	96	90 - 110	P	04/15/2025	19:59	lb135445
	Zinc	2410	2500	96	90 - 110	P	04/15/2025	19:59	lb135445
CCV06	Antimony	4980	5000	100	90 - 110	P	04/15/2025	20:51	lb135445
	Arsenic	4980	5000	100	90 - 110	P	04/15/2025	20:51	lb135445
	Barium	9450	10000	94	90 - 110	P	04/15/2025	20:51	lb135445
	Beryllium	245	250	98	90 - 110	P	04/15/2025	20:51	lb135445
	Cadmium	2460	2500	98	90 - 110	P	04/15/2025	20:51	lb135445
	Chromium	1010	1000	100	90 - 110	P	04/15/2025	20:51	lb135445
	Cobalt	2450	2500	98	90 - 110	P	04/15/2025	20:51	lb135445

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Copper	1230	1250	98	90 - 110	P	04/15/2025	20:51	lb135445
	Iron	4940	5000	99	90 - 110	P	04/15/2025	20:51	lb135445
	Lead	4960	5000	99	90 - 110	P	04/15/2025	20:51	lb135445
	Manganese	2380	2500	95	90 - 110	P	04/15/2025	20:51	lb135445
	Nickel	2470	2500	99	90 - 110	P	04/15/2025	20:51	lb135445
	Potassium	25300	25000	101	90 - 110	P	04/15/2025	20:51	lb135445
	Selenium	4980	5000	100	90 - 110	P	04/15/2025	20:51	lb135445
	Silver	1240	1250	99	90 - 110	P	04/15/2025	20:51	lb135445
	Sodium	24900	25000	100	90 - 110	P	04/15/2025	20:51	lb135445
	Thallium	5000	5000	100	90 - 110	P	04/15/2025	20:51	lb135445
	Vanadium	2430	2500	97	90 - 110	P	04/15/2025	20:51	lb135445
	Zinc	2490	2500	99	90 - 110	P	04/15/2025	20:51	lb135445
CCV07	Antimony	4940	5000	99	90 - 110	P	04/15/2025	21:43	lb135445
	Arsenic	4960	5000	99	90 - 110	P	04/15/2025	21:43	lb135445
	Barium	9520	10000	95	90 - 110	P	04/15/2025	21:43	lb135445
	Beryllium	246	250	98	90 - 110	P	04/15/2025	21:43	lb135445
	Cadmium	2460	2500	98	90 - 110	P	04/15/2025	21:43	lb135445
	Chromium	991	1000	99	90 - 110	P	04/15/2025	21:43	lb135445
	Cobalt	2450	2500	98	90 - 110	P	04/15/2025	21:43	lb135445
	Copper	1220	1250	98	90 - 110	P	04/15/2025	21:43	lb135445
	Iron	4840	5000	97	90 - 110	P	04/15/2025	21:43	lb135445
	Lead	4950	5000	99	90 - 110	P	04/15/2025	21:43	lb135445
	Manganese	2370	2500	95	90 - 110	P	04/15/2025	21:43	lb135445
	Nickel	2480	2500	99	90 - 110	P	04/15/2025	21:43	lb135445
	Potassium	24200	25000	97	90 - 110	P	04/15/2025	21:43	lb135445
	Selenium	5000	5000	100	90 - 110	P	04/15/2025	21:43	lb135445
	Silver	1230	1250	98	90 - 110	P	04/15/2025	21:43	lb135445
	Sodium	23900	25000	96	90 - 110	P	04/15/2025	21:43	lb135445
	Thallium	4850	5000	97	90 - 110	P	04/15/2025	21:43	lb135445
	Vanadium	2410	2500	96	90 - 110	P	04/15/2025	21:43	lb135445
	Zinc	2460	2500	98	90 - 110	P	04/15/2025	21:43	lb135445
CCV08	Antimony	4900	5000	98	90 - 110	P	04/15/2025	22:25	lb135445
	Arsenic	4920	5000	98	90 - 110	P	04/15/2025	22:25	lb135445
	Barium	9440	10000	94	90 - 110	P	04/15/2025	22:25	lb135445

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Beryllium	248	250	99	90 - 110	P	04/15/2025	22:25	lb135445
	Cadmium	2460	2500	98	90 - 110	P	04/15/2025	22:25	lb135445
	Chromium	993	1000	99	90 - 110	P	04/15/2025	22:25	lb135445
	Cobalt	2440	2500	98	90 - 110	P	04/15/2025	22:25	lb135445
	Copper	1210	1250	97	90 - 110	P	04/15/2025	22:25	lb135445
	Iron	4820	5000	96	90 - 110	P	04/15/2025	22:25	lb135445
	Lead	4940	5000	99	90 - 110	P	04/15/2025	22:25	lb135445
	Manganese	2370	2500	95	90 - 110	P	04/15/2025	22:25	lb135445
	Nickel	2470	2500	99	90 - 110	P	04/15/2025	22:25	lb135445
	Potassium	24000	25000	96	90 - 110	P	04/15/2025	22:25	lb135445
	Selenium	4940	5000	99	90 - 110	P	04/15/2025	22:25	lb135445
	Silver	1230	1250	98	90 - 110	P	04/15/2025	22:25	lb135445
	Sodium	23500	25000	94	90 - 110	P	04/15/2025	22:25	lb135445
	Thallium	4950	5000	99	90 - 110	P	04/15/2025	22:25	lb135445
	Vanadium	2410	2500	96	90 - 110	P	04/15/2025	22:25	lb135445
	Zinc	2460	2500	98	90 - 110	P	04/15/2025	22:25	lb135445

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI1	Antimony	54.2	50.0	108	40 - 160	P	04/15/2025	16:05	lb135445
	Arsenic	23.2	20.0	116	40 - 160	P	04/15/2025	16:05	lb135445
	Barium	93.9	100	94	40 - 160	P	04/15/2025	16:05	lb135445
	Beryllium	5.90	6.0	98	40 - 160	P	04/15/2025	16:05	lb135445
	Cadmium	5.84	6.0	97	40 - 160	P	04/15/2025	16:05	lb135445
	Chromium	9.65	10.0	97	40 - 160	P	04/15/2025	16:05	lb135445
	Cobalt	28.6	30.0	95	40 - 160	P	04/15/2025	16:05	lb135445
	Copper	21.4	20.0	107	40 - 160	P	04/15/2025	16:05	lb135445
	Iron	90.6	100	91	40 - 160	P	04/15/2025	16:05	lb135445
	Lead	12.5	12.0	104	40 - 160	P	04/15/2025	16:05	lb135445
	Manganese	20.9	20.0	104	40 - 160	P	04/15/2025	16:05	lb135445
	Nickel	38.5	40.0	96	40 - 160	P	04/15/2025	16:05	lb135445
	Potassium	2000	2000	100	40 - 160	P	04/15/2025	16:05	lb135445
	Selenium	22.6	20.0	113	40 - 160	P	04/15/2025	16:05	lb135445
	Silver	10.3	10.0	103	40 - 160	P	04/15/2025	16:05	lb135445
	Sodium	1770	2000	88	40 - 160	P	04/15/2025	16:05	lb135445
	Thallium	43.2	40.0	108	40 - 160	P	04/15/2025	16:05	lb135445
	Vanadium	39.3	40.0	98	40 - 160	P	04/15/2025	16:05	lb135445
	Zinc	41.4	40.0	104	40 - 160	P	04/15/2025	16:05	lb135445

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	15:55	lb135445
	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	15:55	lb135445
	Barium	100	+/-100	U	100	P	04/15/2025	15:55	lb135445
	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	15:55	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	15:55	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	15:55	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	15:55	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	15:55	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	15:55	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	15:55	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	15:55	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	15:55	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	15:55	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	15:55	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	15:55	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	15:55	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	15:55	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	15:55	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	15:55	lb135445

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	16:30	lb135445
	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	16:30	lb135445
	Barium	100	+/-100	U	100	P	04/15/2025	16:30	lb135445
	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	16:30	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	16:30	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	16:30	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	16:30	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	16:30	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	16:30	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	16:30	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	16:30	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	16:30	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	16:30	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	16:30	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	16:30	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	16:30	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	16:30	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	16:30	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	16:30	lb135445
CCB02	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	17:20	lb135445
	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	17:20	lb135445
	Barium	100	+/-100	U	100	P	04/15/2025	17:20	lb135445
	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	17:20	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	17:20	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	17:20	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	17:20	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	17:20	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	17:20	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	17:20	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	17:20	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	17:20	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	17:20	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	17:20	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	17:20	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	17:20	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	17:20	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	17:20	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	17:20	lb135445
CCB03	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	18:11	lb135445

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	18:11	lb135445
	Barium	100	+/-100	U	100	P	04/15/2025	18:11	lb135445
	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	18:11	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	18:11	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	18:11	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	18:11	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	18:11	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	18:11	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	18:11	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	18:11	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	18:11	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	18:11	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	18:11	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	18:11	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	18:11	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	18:11	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	18:11	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	18:11	lb135445
CCB04	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	19:12	lb135445
	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	19:12	lb135445
	Barium	100	+/-100	U	100	P	04/15/2025	19:12	lb135445
	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	19:12	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	19:12	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	19:12	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	19:12	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	19:12	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	19:12	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	19:12	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	19:12	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	19:12	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	19:12	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	19:12	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	19:12	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	19:12	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	19:12	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	19:12	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	19:12	lb135445
CCB05	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	20:03	lb135445
	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	20:03	lb135445

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Barium	100	+/-100	U	100	P	04/15/2025	20:03	lb135445
	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	20:03	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	20:03	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	20:03	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	20:03	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	20:03	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	20:03	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	20:03	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	20:03	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	20:03	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	20:03	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	20:03	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	20:03	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	20:03	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	20:03	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	20:03	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	20:03	lb135445
CCB06	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	20:55	lb135445
	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	20:55	lb135445
	Barium	100	+/-100	U	100	P	04/15/2025	20:55	lb135445
	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	20:55	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	20:55	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	20:55	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	20:55	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	20:55	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	20:55	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	20:55	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	20:55	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	20:55	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	20:55	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	20:55	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	20:55	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	20:55	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	20:55	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	20:55	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	20:55	lb135445
CCB07	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	21:47	lb135445
	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	21:47	lb135445
	Barium	100	+/-100	U	100	P	04/15/2025	21:47	lb135445

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	21:47	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	21:47	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	21:47	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	21:47	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	21:47	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	21:47	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	21:47	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	21:47	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	21:47	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	21:47	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	21:47	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	21:47	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	21:47	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	21:47	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	21:47	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	21:47	lb135445
CCB08	Antimony	50.0	+/-50.0	U	50.0	P	04/15/2025	22:29	lb135445
	Arsenic	20.0	+/-20.0	U	20.0	P	04/15/2025	22:29	lb135445
	Barium	100	+/-100	U	100	P	04/15/2025	22:29	lb135445
	Beryllium	6.00	+/-6.00	U	6.00	P	04/15/2025	22:29	lb135445
	Cadmium	6.00	+/-6.00	U	6.00	P	04/15/2025	22:29	lb135445
	Chromium	10.0	+/-10.0	U	10.0	P	04/15/2025	22:29	lb135445
	Cobalt	30.0	+/-30.0	U	30.0	P	04/15/2025	22:29	lb135445
	Copper	20.0	+/-20.0	U	20.0	P	04/15/2025	22:29	lb135445
	Iron	100	+/-100	U	100	P	04/15/2025	22:29	lb135445
	Lead	12.0	+/-12.0	U	12.0	P	04/15/2025	22:29	lb135445
	Manganese	20.0	+/-20.0	U	20.0	P	04/15/2025	22:29	lb135445
	Nickel	40.0	+/-40.0	U	40.0	P	04/15/2025	22:29	lb135445
	Potassium	2000	+/-2000	U	2000	P	04/15/2025	22:29	lb135445
	Selenium	20.0	+/-20.0	U	20.0	P	04/15/2025	22:29	lb135445
	Silver	10.0	+/-10.0	U	10.0	P	04/15/2025	22:29	lb135445
	Sodium	2000	+/-2000	U	2000	P	04/15/2025	22:29	lb135445
	Thallium	40.0	+/-40.0	U	40.0	P	04/15/2025	22:29	lb135445
	Vanadium	40.0	+/-40.0	U	40.0	P	04/15/2025	22:29	lb135445
	Zinc	40.0	+/-40.0	U	40.0	P	04/15/2025	22:29	lb135445

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PREPARATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167583BL		**WATER**		**Batch Number:**	**PB167583**		**Prep Date:**	**04/14/2025**	
	Antimony	25.0	<25.0	U	25.0	P	04/15/2025	19:33	lb135445
	Arsenic	10.0	<10.0	U	10.0	P	04/15/2025	19:33	lb135445
	Barium	50.0	<50.0	U	50.0	P	04/15/2025	19:33	lb135445
	Beryllium	3.00	<3.00	U	3.00	P	04/15/2025	19:33	lb135445
	Cadmium	3.00	<3.00	U	3.00	P	04/15/2025	19:33	lb135445
	Chromium	5.00	<5.00	U	5.00	P	04/15/2025	19:33	lb135445
	Cobalt	15.0	<15.0	U	15.0	P	04/15/2025	19:33	lb135445
	Copper	10.0	<10.0	U	10.0	P	04/15/2025	19:33	lb135445
	Iron	50.0	<50.0	U	50.0	P	04/15/2025	19:33	lb135445
	Lead	6.00	<6.00	U	6.00	P	04/15/2025	19:33	lb135445
	Manganese	10.0	<10.0	U	10.0	P	04/15/2025	19:33	lb135445
	Nickel	20.0	<20.0	U	20.0	P	04/15/2025	19:33	lb135445
	Potassium	1000	<1000	U	1000	P	04/15/2025	19:33	lb135445
	Selenium	10.0	<10.0	U	10.0	P	04/15/2025	19:33	lb135445
	Silver	5.00	<5.00	U	5.00	P	04/15/2025	19:33	lb135445
	Sodium	1000	<1000	U	1000	P	04/15/2025	19:33	lb135445
	Thallium	20.0	<20.0	U	20.0	P	04/15/2025	19:33	lb135445
	Vanadium	20.0	<20.0	U	20.0	P	04/15/2025	19:33	lb135445
	Zinc	20.0	<20.0	U	20.0	P	04/15/2025	19:33	lb135445

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INTERFERENCE CHECK SAMPLE

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Antimony	11.2			-50	50	04/15/2025	16:09	lb135445
	Arsenic	1.49			-20	20	04/15/2025	16:09	lb135445
	Barium	32.8	6.0	547	-94	106	04/15/2025	16:09	lb135445
	Beryllium	1.40			-6	6	04/15/2025	16:09	lb135445
	Cadmium	4.88	1.0	488	-5	7	04/15/2025	16:09	lb135445
	Chromium	57.8	52.0	111	42	62	04/15/2025	16:09	lb135445
	Cobalt	9.75			-30	30	04/15/2025	16:09	lb135445
	Copper	15.2	2.0	760	-18	22	04/15/2025	16:09	lb135445
	Iron	96800	101000	96	85600	116500	04/15/2025	16:09	lb135445
	Lead	11.2			-12	12	04/15/2025	16:09	lb135445
	Manganese	15.7	7.0	224	-13	27	04/15/2025	16:09	lb135445
	Nickel	9.59	2.0	480	-38	42	04/15/2025	16:09	lb135445
	Potassium	172			0	0	04/15/2025	16:09	lb135445
	Selenium	10.3			-20	20	04/15/2025	16:09	lb135445
	Silver	-2.32			-10	10	04/15/2025	16:09	lb135445
	Sodium	96.5			0	0	04/15/2025	16:09	lb135445
	Thallium	25.3			-40	40	04/15/2025	16:09	lb135445
	Vanadium	10.1			-40	40	04/15/2025	16:09	lb135445
	Zinc	11.8			-40	40	04/15/2025	16:09	lb135445
ICSAB01	Antimony	643	618	104	525	711	04/15/2025	16:13	lb135445
	Arsenic	96.5	104	93	88.4	120	04/15/2025	16:13	lb135445
	Barium	467	537	87	437	637	04/15/2025	16:13	lb135445
	Beryllium	490	495	99	420	570	04/15/2025	16:13	lb135445
	Cadmium	1020	972	105	826	1120	04/15/2025	16:13	lb135445
	Chromium	561	542	104	460	624	04/15/2025	16:13	lb135445
	Cobalt	497	476	104	404	548	04/15/2025	16:13	lb135445
	Copper	498	511	98	434	588	04/15/2025	16:13	lb135445
	Iron	94700	99300	95	84400	114500	04/15/2025	16:13	lb135445
	Lead	41.0	49.0	84	37	61	04/15/2025	16:13	lb135445
	Manganese	471	507	93	430	584	04/15/2025	16:13	lb135445
	Nickel	980	954	103	810	1100	04/15/2025	16:13	lb135445
	Potassium	53.4			0	0	04/15/2025	16:13	lb135445
	Selenium	49.4	46.0	107	26	66	04/15/2025	16:13	lb135445
	Silver	177	201	88	170	232	04/15/2025	16:13	lb135445
	Sodium	-14.9			0	0	04/15/2025	16:13	lb135445
	Thallium	101	108	94	68	148	04/15/2025	16:13	lb135445
	Vanadium	467	491	95	417	565	04/15/2025	16:13	lb135445
	Zinc	1040	952	109	809	1095	04/15/2025	16:13	lb135445

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Lockwood, Kessler & Bartlett, Inc. **level:** low **sdg no.:** Q1782

contract: LOCK01 **lab code:** CHEM **case no.:** Q1782 **sas no.:** Q1782

matrix: Water **sample id:** Q1782-07 **client id:** MW-4MS

Percent Solids for Sample: NA **Spiked ID:** Q1782-07MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	350		25.0	U	400	88		P
Arsenic	ug/L	75 - 125	347		10.0	U	400	87		P
Barium	ug/L	75 - 125	191		113		100	78		P
Beryllium	ug/L	75 - 125	77.8		3.00	U	100	78		P
Cadmium	ug/L	75 - 125	84.7		3.00	U	100	85		P
Chromium	ug/L	75 - 125	163		5.00	U	200	82		P
Cobalt	ug/L	75 - 125	81.6		15.0	U	100	82		P
Copper	ug/L	75 - 125	119		10.0	U	150	79		P
Iron	ug/L	75 - 125	1330		67.2		1500	84		P
Lead	ug/L	75 - 125	404		6.00	U	500	81		P
Manganese	ug/L	75 - 125	106		98.1		100	8	N	P
Nickel	ug/L	75 - 125	204		20.0	U	250	82		P
Potassium	ug/L	75 - 125	16400		12200		5000	85		P
Selenium	ug/L	75 - 125	832		10.0	U	1000	83		P
Silver	ug/L	75 - 125	31.2		5.00	U	37.5	83		P
Sodium	ug/L	75 - 125	198000		202000		1500	-221		P
Thallium	ug/L	75 - 125	780		20.0	U	1000	78		P
Vanadium	ug/L	75 - 125	119		20.0	U	150	79		P
Zinc	ug/L	75 - 125	93.8		9.56	J	100	84		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Lockwood, Kessler & Bartlett, Inc. **level:** low **sdg no.:** Q1782

contract: LOCK01 **lab code:** CHEM **case no.:** Q1782 **sas no.:** Q1782

matrix: Water **sample id:** Q1782-07 **client id:** MW-4MSD

Percent Solids for Sample: NA **Spiked ID:** Q1782-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	377		25.0	U	400	94		P
Arsenic	ug/L	75 - 125	350		10.0	U	400	88		P
Barium	ug/L	75 - 125	195		113		100	82		P
Beryllium	ug/L	75 - 125	80.8		3.00	U	100	81		P
Cadmium	ug/L	75 - 125	84.8		3.00	U	100	85		P
Chromium	ug/L	75 - 125	166		5.00	U	200	83		P
Cobalt	ug/L	75 - 125	82.0		15.0	U	100	82		P
Copper	ug/L	75 - 125	120		10.0	U	150	80		P
Iron	ug/L	75 - 125	1460		67.2		1500	93		P
Lead	ug/L	75 - 125	404		6.00	U	500	81		P
Manganese	ug/L	75 - 125	112		98.1		100	14	N	P
Nickel	ug/L	75 - 125	204		20.0	U	250	82		P
Potassium	ug/L	75 - 125	16600		12200		5000	89		P
Selenium	ug/L	75 - 125	836		10.0	U	1000	84		P
Silver	ug/L	75 - 125	31.9		5.00	U	37.5	85		P
Sodium	ug/L	75 - 125	201000		202000		1500	-25		P
Thallium	ug/L	75 - 125	776		20.0	U	1000	78		P
Vanadium	ug/L	75 - 125	121		20.0	U	150	81		P
Zinc	ug/L	75 - 125	96.0		9.56	J	100	86		P

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POST DIGEST SPIKE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Matrix: Water **Level:** LOW **Client ID:** MW-4A

Sample ID: Q1782-07 **Spiked ID:** Q1782-07A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Manganese	ug/L	75 - 125	107		98.1		100	9		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **Level:** LOW **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Matrix: Water **Sample ID:** Q1782-07 **Client ID:** MW-4DUP

Percent Solids for Sample: NA **Duplicate ID** Q1782-07DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	113		114		1		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Chromium	ug/L	20	5.00	U	5.00	U			P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	67.2		66.4		1		P
Lead	ug/L	20	6.00	U	6.00	U			P
Manganese	ug/L	20	98.1		28.2		111	*	P
Nickel	ug/L	20	20.0	U	20.0	U			P
Potassium	ug/L	20	12200		12400		2		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	202000		204000		1		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	9.56	J	9.63	J	1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **Level:** LOW **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Matrix: Water **Sample ID:** Q1782-07MS **Client ID:** MW-4MSD

Percent Solids for Sample: NA **Duplicate ID** Q1782-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	350		377		7		P
Arsenic	ug/L	20	347		350		1		P
Barium	ug/L	20	191		195		2		P
Beryllium	ug/L	20	77.8		80.8		4		P
Cadmium	ug/L	20	84.7		84.8		0		P
Chromium	ug/L	20	163		166		2		P
Cobalt	ug/L	20	81.6		82.0		0		P
Copper	ug/L	20	119		120		1		P
Iron	ug/L	20	1330		1460		9		P
Lead	ug/L	20	404		404		0		P
Manganese	ug/L	20	106		112		6		P
Nickel	ug/L	20	204		204		0		P
Potassium	ug/L	20	16400		16600		1		P
Selenium	ug/L	20	832		836		0		P
Silver	ug/L	20	31.2		31.9		2		P
Sodium	ug/L	20	198000		201000		2		P
Thallium	ug/L	20	780		776		1		P
Vanadium	ug/L	20	119		121		2		P
Zinc	ug/L	20	93.8		96.0		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167583BS							
Antimony	ug/L	400	388		97	80 - 120	P
Arsenic	ug/L	400	375		94	80 - 120	P
Barium	ug/L	100	87.9		88	80 - 120	P
Beryllium	ug/L	100	91.5		92	80 - 120	P
Cadmium	ug/L	100	90.7		91	80 - 120	P
Chromium	ug/L	200	183		92	80 - 120	P
Cobalt	ug/L	100	87.4		87	80 - 120	P
Copper	ug/L	150	140		93	80 - 120	P
Iron	ug/L	1500	1360		91	80 - 120	P
Lead	ug/L	500	453		91	80 - 120	P
Manganese	ug/L	100	90.0		90	80 - 120	P
Nickel	ug/L	250	221		88	80 - 120	P
Potassium	ug/L	5000	4370		87	80 - 120	P
Selenium	ug/L	1000	966		97	80 - 120	P
Silver	ug/L	37.5	34.3		92	80 - 120	P
Sodium	ug/L	1500	1270		85	80 - 120	P
Thallium	ug/L	1000	953		95	80 - 120	P
Vanadium	ug/L	150	132		88	80 - 120	P
Zinc	ug/L	100	94.0		94	80 - 120	P

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-4L

Lab Name: Chemtech Consulting Group **Contract:** LOCK01

Lab Code: CHEM **Lb No.:** lb135445 **Lab Sample ID :** Q1782-07L **SDG No.:** Q1782

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	113		111	J	3		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Chromium	5.00	U	25.0	U			P
Cobalt	15.0	U	75.0	U			P
Copper	10.0	U	50.0	U			P
Iron	67.2		250	U	100.0		P
Lead	6.00	U	30.0	U			P
Manganese	98.1		94.7		3		P
Nickel	20.0	U	100	U			P
Potassium	12200		11400		6		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	202000		196000		3		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	9.56	J	9.46	J	1		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q1782 **SAS No.:** Q1782

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Contract: LOCK01 **Lab Code:** CHEM **Method:**

Case No.: Q1782 **SAS No.:** Q1782

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167583**						
PB167583BL	PB167583BL	MB	WATER	04/14/2025	50.0	25.0	
PB167583BS	PB167583BS	LCS	WATER	04/14/2025	50.0	25.0	
Q1782-01	MW-1	SAM	WATER	04/14/2025	50.0	25.0	
Q1782-02	MW-1	SAM	WATER	04/14/2025	50.0	25.0	
Q1782-03	MW-2	SAM	WATER	04/14/2025	50.0	25.0	
Q1782-04	MW-2	SAM	WATER	04/14/2025	50.0	25.0	
Q1782-05	MW-3	SAM	WATER	04/14/2025	50.0	25.0	
Q1782-06	MW-3	SAM	WATER	04/14/2025	50.0	25.0	
Q1782-07	MW-4	SAM	WATER	04/14/2025	50.0	25.0	
Q1782-07DUP	MW-4DUP	DUP	WATER	04/14/2025	50.0	25.0	
Q1782-07MS	MW-4MS	MS	WATER	04/14/2025	50.0	25.0	
Q1782-07MSD	MW-4MSD	MSD	WATER	04/14/2025	50.0	25.0	
Q1782-08	MW-4	SAM	WATER	04/14/2025	50.0	25.0	

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ANALYSIS RUN LOG

Client: Lockwood, Kessler & Bartlett, Inc. **Contract:** LOCK01

Lab code: CHEM **Case no.:** Q1782 **Sas no.:** Q1782 **Sdg no.:** Q1782

Instrument id number: **Method:** **Run number:** lb135445

Start date: 04/15/2025 **End date:** 04/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1508	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1512	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1516	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1521	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1525	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1529	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1547	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV	LLICV	1	1551	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1555	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI1	CRI1	1	1605	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1609	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1613	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1626	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1630	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1716	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1720	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1807	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1811	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1908	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1912	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167583BL	PB167583BL	1	1933	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167583BS	PB167583BS	1	1938	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-01	MW-1	1	1950	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-02	MW-1	1	1954	Fe,Mn
CCV05	CCV05	1	1959	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2003	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-03	MW-2	1	2007	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-04	MW-2	1	2011	Fe,Mn
Q1782-05	MW-3	1	2016	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-06	MW-3	1	2021	Fe,Mn
Q1782-07	MW-4	1	2025	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-07DUP	MW-4DUP	1	2029	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-07L	MW-4L	5	2034	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-07MS	MW-4MS	1	2038	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-07MSD	MW-4MSD	1	2042	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-07A	MW-4A	1	2046	Mn
CCV06	CCV06	1	2051	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2055	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1782-08	MW-4	1	2059	Fe,Mn
CCV07	CCV07	1	2143	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2147	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: Lockwood, Kessler & Bartlett, Inc. **Contract:** LOCK01

Lab code: CHEM **Case no.:** Q1782 **Sas no.:** Q1782 **Sdg no.:** Q1782

Instrument id number: **Method:** **Run number:** lb135445

Start date: 04/15/2025 **End date:** 04/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV08	CCV08	1	2225	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2229	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q1782	**OrderDate:**	4/10/2025 1:22:00 PM
Client:	Lockwood, Kessler & Bartlett, Inc.	**Project:**	Ansonia Landfill 2025
Contact:	John Gerlach	**Location:**	K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1782-01	**MW-1**	**WATER**			**04/09/25 10:15**			**04/10/25**
			Alkalinity	SM2320 B			04/16/25 10:26	
			Ammonia	SM4500-NH3		04/17/25	04/18/25 09:40	
			Anions Group1	300.0			04/11/25 09:35	
			BOD5	SM5210 B			04/11/25 10:00	
			pH	9040C			04/11/25 10:30	
			TDS	SM2540 C			04/11/25 12:30	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		04/17/25	04/18/25 13:31	
			Total Nitrogen	Cal			04/18/25 13:31	
			TSS	SM2540 D			04/15/25 10:30	
			Turbidity	SM2130 B			04/11/25 10:07	
Q1782-01DL	**MW-1DL**	**WATER**			**04/09/25 10:15**			**04/10/25**
			Anions Group1	300.0			04/11/25 12:28	
Q1782-01DL2	**MW-1DL2**	**WATER**			**04/09/25 10:15**			**04/10/25**

LAB CHRONICLE

			Anions Group1	300.0		04/11/25 14:37	
Q1782-03	**MW-2**	**WATER**			**04/09/25 13:10**		**04/10/25**
			Alkalinity	SM2320 B		04/16/25 10:35	
			Ammonia	SM4500-NH3	04/17/25	04/18/25 09:51	
			Anions Group1	300.0		04/11/25 09:57	
			BOD5	SM5210 B		04/11/25 10:00	
			pH	9040C		04/11/25 10:35	
			TDS	SM2540 C		04/11/25 12:30	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11	04/17/25	04/18/25 13:32	
			Total Nitrogen	Cal		04/18/25 13:32	
			TSS	SM2540 D		04/15/25 10:30	
			Turbidity	SM2130 B		04/11/25 10:14	
Q1782-03DL	**MW-2DL**	**WATER**			**04/09/25 13:10**		**04/10/25**
			Ammonia	SM4500-NH3	04/17/25	04/18/25 11:06	
			Anions Group1	300.0		04/11/25 14:58	
Q1782-05	**MW-3**	**WATER**			**04/09/25 11:30**		**04/10/25**
			Alkalinity	SM2320 B		04/16/25 10:41	
			Ammonia	SM4500-NH3	04/17/25	04/18/25 09:51	

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LAB CHRONICLE

			Anions Group1	300.0		04/11/25 10:18	
			BOD5	SM5210 B		04/11/25 10:00	
			pH	9040C		04/11/25 10:40	
			TDS	SM2540 C		04/11/25 12:30	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11	04/17/25	04/18/25 13:32	
			Total Nitrogen	Cal		04/18/25 13:32	
			TSS	SM2540 D		04/15/25 10:30	
			Turbidity	SM2130 B		04/11/25 10:18	
Q1782-05DL	**MW-3DL**	**WATER**			**04/09/25 11:30**		**04/10/25**
			Anions Group1	300.0		04/11/25 15:20	
Q1782-07	**MW-4**	**WATER**			**04/09/25 12:10**		**04/10/25**
			Alkalinity	SM2320 B		04/16/25 10:44	
			Ammonia	SM4500-NH3	04/17/25	04/18/25 09:51	
			Anions Group1	300.0		04/11/25 10:40	
			BOD5	SM5210 B		04/11/25 10:00	
			pH	9040C		04/11/25 10:45	
			TDS	SM2540 C		04/11/25 12:30	

LAB CHRONICLE

			TKN	SM4500-N Org C-11 plus NH3 B plus G-11	04/17/25	04/18/25 13:42	
			Total Nitrogen	Cal		04/18/25 13:42	
			TSS	SM2540 D		04/15/25 10:30	
			Turbidity	SM2130 B		04/11/25 10:21	
Q1782-07DL	**MW-4DL**	**WATER**			**04/09/25 12:10**		**04/10/25**
			Anions Group1	300.0		04/11/25 15:41	
Q1782-07DL2	**MW-4DL2**	**WATER**			**04/09/25 12:10**		**04/10/25**
			Anions Group1	300.0		04/11/25 16:03	

SAMPLE DATA

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 10:15
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1	SDG No.:	Q1782
Lab Sample ID:	Q1782-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	76.6		1	1.00	2.00	mg/L		04/16/25 10:26	SM 2320 B-11
Ammonia as N	0.030	U	1	0.030	0.10	mg/L	04/17/25 14:00	04/18/25 09:40	SM 4500-NH3 B plus G-11
Chloride	115	OR	1	0.19	0.60	mg/L		04/11/25 09:35	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		04/11/25 09:35	300.0
Nitrate	2.10		1	0.095	0.50	mg/L		04/11/25 09:35	300.0
Sulfate	40.7	OR	1	0.46	3.00	mg/L		04/11/25 09:35	300.0
Nitrate+Nitrite	2.10		1	0.17	1.10	mg/L		04/11/25 09:35	300.0
BOD5	0.20	U	1	0.20	2.00	mg/L		04/11/25 10:00	SM 5210 B-16
pH	5.95	H	1	0	0	pH		04/11/25 10:30	9040C
TDS	331		1	1.00	10.0	mg/L		04/11/25 12:30	SM 2540 C-15
TKN	0.42	J	1	0.11	0.50	mg/L	04/17/25 08:50	04/18/25 13:31	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	2.52		1	0.31	1.30	mg/L		04/18/25 13:31	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		04/15/25 10:30	SM 2540 D-15
Turbidity	0.79	J	1	0.15	1.00	NTU		04/11/25 10:07	SM 2130 B-11

Comments: The alkalinity to pH 4.32=76.6 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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 10:15
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1DL	SDG No.:	Q1782
Lab Sample ID:	Q1782-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	104	OR	2	0.38	1.20	mg/L		04/11/25 12:28	300.0
Sulfate	55.5	D	2	0.92	6.00	mg/L		04/11/25 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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 10:15
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1DL2	SDG No.:	Q1782
Lab Sample ID:	Q1782-01DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	83.4	D	50	9.50	30.0	mg/L		04/11/25 14:37	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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 13:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-2	SDG No.:	Q1782
Lab Sample ID:	Q1782-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	387		1	1.00	2.00	mg/L		04/16/25 10:35	SM 2320 B-11
Ammonia as N	3.50	OR	1	0.030	0.10	mg/L	04/17/25 14:00	04/18/25 09:51	SM 4500-NH3 B plus G-11
Chloride	332	OR	1	0.19	0.60	mg/L		04/11/25 09:57	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		04/11/25 09:57	300.0
Nitrate	2.70		1	0.095	0.50	mg/L		04/11/25 09:57	300.0
Sulfate	16.6		1	0.46	3.00	mg/L		04/11/25 09:57	300.0
Nitrate+Nitrite	2.70		1	0.17	1.10	mg/L		04/11/25 09:57	300.0
BOD5	0.20	U	1	0.20	2.00	mg/L		04/11/25 10:00	SM 5210 B-16
pH	6.82	H	1	0	0	pH		04/11/25 10:35	9040C
TDS	812		1	1.00	10.0	mg/L		04/11/25 12:30	SM 2540 C-15
TKN	4.10		1	0.11	0.50	mg/L	04/17/25 08:50	04/18/25 13:32	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	6.80		1	0.31	1.30	mg/L		04/18/25 13:32	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		04/15/25 10:30	SM 2540 D-15
Turbidity	1.51		1	0.15	1.00	NTU		04/11/25 10:14	SM 2130 B-11

Comments: The alkalinity to pH 4.31=387 mg CaCO3/L, pH result reported at temperature 20.2 °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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 13:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-2DL	SDG No.:	Q1782
Lab Sample ID:	Q1782-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	3.40	D	2	0.060	0.20	mg/L	04/17/25 14:00	04/18/25 11:06	SM 4500-NH3 B plus G-11
Chloride	220	D	100	19.0	60.0	mg/L		04/11/25 14:58	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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 11:30
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-3	SDG No.:	Q1782
Lab Sample ID:	Q1782-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	144		1	1.00	2.00	mg/L		04/16/25 10:41	SM 2320 B-11
Ammonia as N	0.45		1	0.030	0.10	mg/L	04/17/25 14:00	04/18/25 09:51	SM 4500-NH3 B plus G-11
Chloride	613	OR	1	0.19	0.60	mg/L		04/11/25 10:18	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		04/11/25 10:18	300.0
Nitrate	6.00		1	0.095	0.50	mg/L		04/11/25 10:18	300.0
Sulfate	17.2		1	0.46	3.00	mg/L		04/11/25 10:18	300.0
Nitrate+Nitrite	6.00		1	0.17	1.10	mg/L		04/11/25 10:18	300.0
BOD5	0.20	U	1	0.20	2.00	mg/L		04/11/25 10:00	SM 5210 B-16
pH	6.71	H	1	0	0	pH		04/11/25 10:40	9040C
TDS	954		1	1.00	10.0	mg/L		04/11/25 12:30	SM 2540 C-15
TKN	0.71		1	0.11	0.50	mg/L	04/17/25 08:50	04/18/25 13:32	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	6.71		1	0.31	1.30	mg/L		04/18/25 13:32	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		04/15/25 10:30	SM 2540 D-15
Turbidity	0.48	J	1	0.15	1.00	NTU		04/11/25 10:18	SM 2130 B-11

Comments: The alkalinity to pH 4.34=144 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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 11:30
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-3DL	SDG No.:	Q1782
Lab Sample ID:	Q1782-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	391	D	100	19.0	60.0	mg/L		04/11/25 15:20	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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 12:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-4	SDG No.:	Q1782
Lab Sample ID:	Q1782-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	142		1	1.00	2.00	mg/L		04/16/25 10:44	SM 2320 B-11
Ammonia as N	0.45		1	0.030	0.10	mg/L	04/17/25 14:00	04/18/25 09:51	SM 4500-NH3 B plus G-11
Chloride	616	OR	1	0.19	0.60	mg/L		04/11/25 10:40	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		04/11/25 10:40	300.0
Nitrate	6.30	OR	1	0.095	0.50	mg/L		04/11/25 10:40	300.0
Sulfate	17.2		1	0.46	3.00	mg/L		04/11/25 10:40	300.0
Nitrate+Nitrite	5.80		1	0.26	1.60	mg/L		04/11/25 10:40	300.0
BOD5	0.20	U	1	0.20	2.00	mg/L		04/11/25 10:00	SM 5210 B-16
pH	6.68	H	1	0	0	pH		04/11/25 10:45	9040C
TDS	956		1	1.00	10.0	mg/L		04/11/25 12:30	SM 2540 C-15
TKN	1.00		1	0.11	0.50	mg/L	04/17/25 08:50	04/18/25 13:42	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	6.80		1	0.31	1.30	mg/L		04/18/25 13:42	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		04/15/25 10:30	SM 2540 D-15
Turbidity	0.45	J	1	0.15	1.00	NTU		04/11/25 10:21	SM 2130 B-11

Comments: The alkalinity to pH 4.35=142 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
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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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 12:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-4DL	SDG No.:	Q1782
Lab Sample ID:	Q1782-07DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	585	OR	2	0.38	1.20	mg/L		04/11/25 15:41	300.0
Nitrate	5.80	HD	2	0.19	1.00	mg/L		04/11/25 15:41	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
* = 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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 12:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-4DL2	SDG No.:	Q1782
Lab Sample ID:	Q1782-07DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	388	D	100	19.0	60.0	mg/L		04/11/25 16:03	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.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Alliance TECHNICAL GROUP
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Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Project: Ansonia Landfill 2025 **RunNo.:** LB135389

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.4	10	104	90-110	03/21/2025
Chloride	mg/L	3	3	100	90-110	03/21/2025
Fluoride	mg/L	2	2	100	90-110	03/21/2025
Nitrite	mg/L	3.1	3	103	90-110	03/21/2025
Nitrate	mg/L	2.6	2.5	104	90-110	03/21/2025
Sulfate	mg/L	15.3	15	102	90-110	03/21/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	03/21/2025
Sample ID: CCV1						
Bromide	mg/L	10.8	10	108	90-110	04/11/2025
Chloride	mg/L	3.2	3	107	90-110	04/11/2025
Fluoride	mg/L	2.1	2	105	90-110	04/11/2025
Nitrite	mg/L	3.2	3	107	90-110	04/11/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/11/2025
Sulfate	mg/L	15.7	15	105	90-110	04/11/2025
Orthophosphate as P	mg/L	5.4	5	108	90-110	04/11/2025
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	04/11/2025
Chloride	mg/L	3.2	3	107	90-110	04/11/2025
Fluoride	mg/L	2.1	2	105	90-110	04/11/2025
Nitrite	mg/L	3.1	3	103	90-110	04/11/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/11/2025
Sulfate	mg/L	15.4	15	103	90-110	04/11/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	04/11/2025
Sample ID: CCV3						
Bromide	mg/L	10.6	10	106	90-110	04/11/2025
Chloride	mg/L	3.2	3	107	90-110	04/11/2025
Fluoride	mg/L	2.1	2	105	90-110	04/11/2025
Nitrite	mg/L	3.2	3	107	90-110	04/11/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/11/2025
Sulfate	mg/L	15.4	15	103	90-110	04/11/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	04/11/2025

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Initial and Continuing Calibration Verification

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**RunNo.:**	LB135391

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	7.01	7	100	90-110	04/11/2025
Sample ID: **CCV1**						
pH	pH	2.01	2.00	101	90-110	04/11/2025
Sample ID: **CCV2**						
pH	pH	12.02	12.00	100	90-110	04/11/2025
Sample ID: **CCV3**						
pH	pH	2.01	2.00	101	90-110	04/11/2025

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Initial and Continuing Calibration Verification

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**RunNo.:**	LB135393

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Turbidity		NTU	9.364	10	94	90-110	04/11/2025
Sample ID:	**CCV1**						
Turbidity		NTU	9.772	10	98	90-110	04/11/2025
Sample ID:	**CCV2**						
Turbidity		NTU	9.884	10	99	90-110	04/11/2025

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Initial and Continuing Calibration Verification

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**RunNo.:**	LB135482

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV1**						
Ammonia as N	mg/L	0.98	1	98	90-110	04/18/2025
Sample ID: **CCV1**						
Ammonia as N	mg/L	0.96	1	96	90-110	04/18/2025
Sample ID: **CCV2**						
Ammonia as N	mg/L	0.95	1	95	90-110	04/18/2025
Sample ID: **CCV3**						
Ammonia as N	mg/L	1	1	100	90-110	04/18/2025
Sample ID: **CCV4**						
Ammonia as N	mg/L	1	1	100	90-110	04/18/2025

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Initial and Continuing Calibration Verification

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**RunNo.:**	LB135490

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
TKN		mg/L	4.9	5	98	90-110	04/18/2025
Sample ID:	**CCV1**						
TKN		mg/L	5	5	100	90-110	04/18/2025
Sample ID:	**CCV2**						
TKN		mg/L	4.8	5	96	90-110	04/18/2025
Sample ID:	**CCV3**						
TKN		mg/L	5.2	5	104	90-110	04/18/2025

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Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Project: Ansonia Landfill 2025 **RunNo.:** LB135389

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	03/21/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	03/21/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	03/21/2025
Nitrite	mg/L	0.08	0.3000	J	0.074	0.6	03/21/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	03/21/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	03/21/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	03/21/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/11/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/11/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/11/2025

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Initial and Continuing Calibration Blank Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**RunNo.:**	LB135393

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
Turbidity		NTU	0.373	0.5000	J	0.15	1.0	04/11/2025
Sample ID:	CCB1							
Turbidity		NTU	0.390	0.5000	J	0.15	1	04/11/2025
Sample ID:	CCB2							
Turbidity		NTU	0.376	0.5000	J	0.15	1	04/11/2025

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Initial and Continuing Calibration Blank Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**RunNo.:**	LB135482

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	04/18/2025
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025
Sample ID: CCB4							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025

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Initial and Continuing Calibration Blank Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**RunNo.:**	LB135490

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	04/18/2025
Sample ID:	**CCB1**							
TKN		mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025
Sample ID:	**CCB2**							
TKN		mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025
Sample ID:	**CCB3**							
TKN		mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025

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Preparation Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Project: Ansonia Landfill 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135377BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	04/11/2025
Sample ID: LB135389BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/11/2025
Sample ID: LB135390BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	04/11/2025
Sample ID: LB135393BL							
Turbidity	NTU	0.446	0.5000	J	0.15	1.0	04/11/2025
Sample ID: LB135430BL							
TSS	mg/L	1	2.0000	J	1	4	04/15/2025
Sample ID: LB135460BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	04/16/2025
Sample ID: PB167617BL							
TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025
Sample ID: PB167618BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	04/18/2025

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Matrix Spike Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1782-01
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
Ammonia as N	mg/L	75-125	0.97		0.030	U	1	1	97		04/18/2025
TKN	mg/L	75-125	5.40		0.42	J	5	1	100		04/18/2025

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Matrix Spike Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1782-01
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
Ammonia as N	mg/L	75-125	0.96		0.030	U	1	1	96		04/18/2025
TKN	mg/L	75-125	5.30		0.42	J	5	1	98		04/18/2025

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Matrix Spike Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1782-07
Client ID: MW-4MS
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		04/11/2025
Chloride	mg/L	80-120	587	OR	616	OR	3	1	-967	*	04/11/2025
Fluoride	mg/L	80-120	2.20		0.17	J	2	1	102		04/11/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		04/11/2025
Nitrate	mg/L	80-120	8.80	OR	6.30	OR	2.5	1	100		04/11/2025
Sulfate	mg/L	80-120	31.6		17.2		15	1	96		04/11/2025
Orthophosphate as P	mg/L	80-120	5.20		0.34	U	5	1	104		04/11/2025

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Matrix Spike Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1782-07
Client ID: MW-4MSD
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	10.0		0.37	U	10	1	100		04/11/2025
Chloride	mg/L	80-120	589	OR	616	OR	3	1	-900	*	04/11/2025
Fluoride	mg/L	80-120	2.10		0.17	J	2	1	97		04/11/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		04/11/2025
Nitrate	mg/L	80-120	8.70	OR	6.30	OR	2.5	1	96		04/11/2025
Sulfate	mg/L	80-120	31.2		17.2		15	1	93		04/11/2025
Orthophosphate as P	mg/L	80-120	5.10		0.34	U	5	1	102		04/11/2025

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Duplicate Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1763-02
Client ID: AUD-25-0047DUP
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	5.66		5.67		1	0.18		04/11/2025

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Duplicate Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1765-02
Client ID: TOWERS-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
TDS	mg/L	+/-5	3400		3420		1	0.47		04/11/2025

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Duplicate Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1782-01
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
Turbidity	NTU	+/-20	0.79	J	0.87	J	1	9.42		04/11/2025
Alkalinity	mg/L	+/-20	76.6		75.3		1	2		04/16/2025
Ammonia as N	mg/L	+/-20	0.030	U	0.030	U	1	0		04/18/2025
TKN	mg/L	+/-20	0.42	J	0.40	J	1	5		04/18/2025

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Duplicate Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1782-01
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
Ammonia as N	mg/L	+/-20	0.97		0.96		1	1		04/18/2025
TKN	mg/L	+/-20	5.40		5.30		1	2		04/18/2025

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Duplicate Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1782-07
Client ID: MW-4DUP
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	0.20	U	0.20	U	1	0		04/11/2025

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Duplicate Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1782-07
Client ID: MW-4MSD
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	587	OR	589	OR	1	0		04/11/2025
Sulfate	mg/L	+/-20	31.6		31.2		1	1		04/11/2025
Nitrate	mg/L	+/-20	8.80	OR	8.70	OR	1	1		04/11/2025
Orthophosphate as P	mg/L	+/-20	5.20		5.10		1	2		04/11/2025
Bromide	mg/L	+/-20	10.3		10.0		1	3		04/11/2025
Nitrite	mg/L	+/-20	3.00		2.90		1	3		04/11/2025
Fluoride	mg/L	+/-20	2.20		2.10		1	5		04/11/2025

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Duplicate Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.
SDG No.: Q1782
Project: Ansonia Landfill 2025
Sample ID: Q1804-02
Client ID: 002-35TH-AVE(APR)DUP
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	66.0		67.0		1	1.5		04/15/2025

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Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**Run No.:**	LB135377

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB135377BS**								
TDS	mg/L	100	95.0		95	1	90-110	04/11/2025

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Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q1782

Project: Ansonia Landfill 2025 **Run No.:** LB135389

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB135389BSW								
Bromide	mg/L	10	10.5		105	1	90-110	04/11/2025
Chloride	mg/L	3	3.20		107	1	90-110	04/11/2025
Fluoride	mg/L	2	2.10		105	1	90-110	04/11/2025
Nitrite	mg/L	3	3.10		103	1	90-110	04/11/2025
Nitrate	mg/L	2.5	2.70		108	1	90-110	04/11/2025
Sulfate	mg/L	15	15.3		102	1	90-110	04/11/2025
Orthophosphate as P	mg/L	5	5.30		106	1	90-110	04/11/2025

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Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**Run No.:**	LB135390

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB135390BS**								
BOD5	**mg/L**	**198**	**197**		**99**	**1**	**84.6-115.4**	**04/11/2025**

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Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**Run No.:**	LB135430

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB135430BS								
TSS	mg/L	550	533		97	1	90-110	04/15/2025

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Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**Run No.:**	LB135460

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB135460BSW**								
Alkalinity	mg/L	50	55.2		110	1	80-120	04/16/2025

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Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**Run No.:**	LB135490

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB167617BS								
TKN	mg/L	5	4.80		96	1	90-110	04/18/2025

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Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q1782
Project:	Ansonia Landfill 2025	**Run No.:**	LB135482

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB167618BS								
Ammonia as N	mg/L	1	0.95		95	1	90-110	04/18/2025

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q1782
QUOTE NO. BOTTLE ORDER # B2503017
COC Number 2045911

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: LKB, INC.
ADDRESS: 1 AERIAL WAY
CITY SYOSSET STATE: NY ZIP: 11791
ATTENTION: JOHN GERLACH
PHONE: 516-210-8931 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ANSONIA LANDFILL
PROJECT NO.: 0774-08 LOCATION: CT
PROJECT MANAGER: JOHN GERLACH
e-mail: jgerlach@LKBINC.COM
PHONE: SAME FAX:

CLIENT BILLING INFORMATION

BILL TO: LKB, INC. PO#: NA for Lab
ADDRESS: SAME
CITY STATE: ZIP:
ATTENTION: SHARON F PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STD. DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ Level 2 (Results + QC)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☑ EDD FORMAT NYSDEC

ANALYSIS

PRESERVATIVES: A/E; E + OTHERS AS APPROPRIATE

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-1	GW		X	4/9/25	10:15	10		X								SAMPLE FOR DISS. Fe + Mn FILTERED IN FIELD
2.	MW-2	GW		X	4/9/25	13:10	10		X								
3.	MW-3	GW		X		11:30	10		X								
4.	MW-4	GW		X		12:10	8		X								
5.	TRIP BLANK	DI		X	↓		2	X									
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	4/10/25 8:52	1. 1303	4-10-25
2.		2.	
3.	4-10-25 1758	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
Comments: Temp 3.8°C Adjustment factor +1) IR Gun # 1 PH 1.3 Lot #-80A0441.

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1782 LOCK01
Client Name : Lockwood, Kessler & Bartl
Client Contact : John Gerlach
Invoice Name : Lockwood, Kessler & Bartl
Invoice Contact : John Gerlach

Order Date : 4/10/2025 1:22:00 PM
Project Name : Ansonia Landfill 2025
Receive DateTime : 4/10/2025 5:58:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : ~~NYS ASP B~~ Level 2
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff : 4/11/2025 10:21:31 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1782-01	MW-1	Water	04/09/2025	10:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1782-03	MW-2	Water	04/09/2025	13:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1782-05	MW-3	Water	04/09/2025	11:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1782-09	TRIP BLANK	Water	04/09/2025	12:10					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinquished By :
Date / Time : 4-11-25 1033

Received By :
Date / Time : 4.11.25 10:33

Storage Area : VOA Refridgerator Room