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

DATA PACKAGE

GENERAL CHEMISTRY
METALS
VOLATILE ORGANICS

PROJECT NAME : ANSONIA LANDFILL 2025

LOCKWOOD, KESSLER & BARTLETT, INC.

1 Aerial Way

Syosset, NY - 11791-

Phone No: 516-938-0600

ORDER ID : Q2344

ATTENTION : John Gerlach

Laboratory Certification ID # 20012

Table Of Contents for Q2344

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

Cover Page

Order ID : Q2344

Project ID : Ansonia Landfill 2025

Client : Lockwood, Kessler & Bartlett, Inc.

Lab Sample Number	Client Sample Number
Q2344-01	MW-1
Q2344-02	MW-1
Q2344-03	MW-3
Q2344-04	MW-3
Q2344-05	MW-4
Q2344-06	MW-4
Q2344-07	MW-2
Q2344-08	MW-2
Q2344-09	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 : _____

Date: 6/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Lockwood, Kessler & Bartlett, Inc.
Project Name: Ansonia Landfill 2025
Project # N/A
Order ID # Q2344
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
9 Water samples were received on 06/17/2025.

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 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 8260D.

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 met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 20% in the Initial Calibration method (82X061725W.M) for Methyl Iodide, this compound is passing on Linear regression.

The Continuous C alibration 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.

Alliance has analyzed samples for VOCMS Group1 by Method 8260-Low for Project“AnsoniaLandfill 2025”. Alliance is not certified for trans-1,4-dichloro-2-butene

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

compound with NJDEP for 8260-Low method. for VOCMS Group1 at the time when samples for Project “Ansonia Landfill 2025” were analyzed.

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 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.

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_____

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

CASE NARRATIVE

Lockwood, Kessler & Bartlett, Inc.
Project Name: Ansonia Landfill 2025
Project # N/A
Order ID # Q2344
Test Name: Dissolved Metals Group5,Metals Group4

A. Number of Samples and Date of Receipt:
9 Water samples were received on 06/17/2025.

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 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 parameters.
The Duplicate analysis met criteria for all parameters.
The Matrix Spike analysis met criteria for all parameters.
The Matrix Spike Duplicate analysis met criteria for all parameters.
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 Q2344-01, Q2344-03, Q2344-05 and Q2344-07 analyzed as Total Metal, and Sample Q2344-02, Q2344-04, Q2344-06, and Q2344-08 analyzed as Dissolved Metal.

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_____

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

CASE NARRATIVE

Lockwood, Kessler & Bartlett, Inc.
Project Name: Ansonia Landfill 2025
Project # N/A
Order ID # Q2344
Test Name: Alkalinity,Ammonia,Anions Group1,BOD5,pH,TDS,TKN,Total Nitrogen,TSS,Turbidity

A. Number of Samples and Date of Receipt:
9 Water samples were received on 06/17/2025.

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 Alkalinity,Ammonia,Anions Group1,BOD5,pH,TDS,TKN,Total Nitrogen,TSS,Turbidity.

C. Analytical Techniques:

The analysis of Anions Group1 was based on method 300.0, The analysis of Total Nitrogen was based on method Cal, The analysis of pH was based on method SM 4500-H B, 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 analysis 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.
Sample MW-1 was diluted due to high concentrations for Chloride & Sample MW-3 was diluted due to high concentrations for Chloride, Sulfate & Sample MW-3DL was diluted due to high concentrations for Chloride & Sample MW-4 was diluted due to high concentrations for Chloride, Sulfate & Sample MW-4DL was diluted due to high concentrations for Chloride & Sample MW-2 was diluted due to high concentrations for Ammonia as N, Chloride.
The Blank Spike met requirements for all parameters.
The Duplicate analysis met criteria for all parameters.
The Matrix Spike (MW-1MS) analysis met criteria for all parameters except for Chloride due to sample matrix interference.

The Matrix Spike Duplicate (MW-1MSD) analysis met criteria for all parameters except for Chloride due to sample matrix interference.
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_____

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2344

	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:** 06/27/2025

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

LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2344-01	**MW-1**	**Water**			**06/16/25**			**06/17/25**
			VOCMS Group1	8260-Low			06/18/25	
Q2344-03	**MW-3**	**Water**			**06/16/25**			**06/17/25**
			VOCMS Group1	8260-Low			06/18/25	
Q2344-05	**MW-4**	**Water**			**06/16/25**			**06/17/25**
			VOCMS Group1	8260-Low			06/18/25	
Q2344-07	**MW-2**	**Water**			**06/16/25**			**06/17/25**
			VOCMS Group1	8260-Low			06/18/25	
Q2344-09	**TRIP-BLANK**	**Water**			**06/16/25**			**06/17/25**
			VOCMS Group1	8260-Low			06/18/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2344

Client: Lockwood, Kessler & Bartlett, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-2**							
Q2344-07	MW-2	Water	cis-1,2-Dichloroethene	0.49	J	0.19	1.00	ug/L
Q2344-07	MW-2	Water	Chlorobenzene	0.46	J	0.12	1.00	ug/L
			Total Voc :	0.95				
			Total Concentration:	0.95				

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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-1	SDG No.:	Q2344
Lab Sample ID:	Q2344-01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046749.D	1		06/18/25 17:34	VX061825

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

Alliance TECHNICAL GROUP
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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-1	SDG No.:	Q2344
Lab Sample ID:	Q2344-01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046749.D	1		06/18/25 17:34	VX061825

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	46.9		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	49.5		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	5.568			
540-36-3	1,4-Difluorobenzene	342000	6.769			
3114-55-4	Chlorobenzene-d5	302000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	144000	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

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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-3	SDG No.:	Q2344
Lab Sample ID:	Q2344-03	Matrix:	Water
Analytical Method:	8260D	% 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
VX046750.D	1		06/18/25 17:55	VX061825

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

Alliance TECHNICAL GROUP
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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-3	SDG No.:	Q2344
Lab Sample ID:	Q2344-03	Matrix:	Water
Analytical Method:	8260D	% 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
VX046750.D	1		06/18/25 17:55	VX061825

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	47.1		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	5.568			
540-36-3	1,4-Difluorobenzene	329000	6.769			
3114-55-4	Chlorobenzene-d5	287000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	138000	12.024			

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

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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4	SDG No.:	Q2344
Lab Sample ID:	Q2344-05	Matrix:	Water
Analytical Method:	8260D	% 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
VX046751.D	1		06/18/25 18:16	VX061825

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

Alliance TECHNICAL GROUP
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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4	SDG No.:	Q2344
Lab Sample ID:	Q2344-05	Matrix:	Water
Analytical Method:	8260D	% 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
VX046751.D	1		06/18/25 18:16	VX061825

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	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	5.562			
540-36-3	1,4-Difluorobenzene	318000	6.769			
3114-55-4	Chlorobenzene-d5	279000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	131000	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

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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-2	SDG No.:	Q2344
Lab Sample ID:	Q2344-07	Matrix:	Water
Analytical Method:	8260D	% 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
VX046752.D	1		06/18/25 18:37	VX061825

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	0.49	J	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	0.46	J	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
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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-2	SDG No.:	Q2344
Lab Sample ID:	Q2344-07	Matrix:	Water
Analytical Method:	8260D	% 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
VX046752.D	1		06/18/25 18:37	VX061825

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	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	49.0		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	214000	5.568			
540-36-3	1,4-Difluorobenzene	355000	6.769			
3114-55-4	Chlorobenzene-d5	307000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	148000	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

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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	TRIP-BLANK	SDG No.:	Q2344
Lab Sample ID:	Q2344-09	Matrix:	Water
Analytical Method:	8260D	% 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
VX046748.D	1		06/18/25 17:12	VX061825

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

Alliance TECHNICAL GROUP
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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	TRIP-BLANK	SDG No.:	Q2344
Lab Sample ID:	Q2344-09	Matrix:	Water
Analytical Method:	8260D	% 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
VX046748.D	1		06/18/25 17:12	VX061825

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	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	128000	5.568			
540-36-3	1,4-Difluorobenzene	213000	6.769			
3114-55-4	Chlorobenzene-d5	191000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	93500	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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2344

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2344-01	MW-1	1,2-Dichloroethane-d4	50	46.9	94	74	125
		Dibromofluoromethane	50	48.9	98	75	124
		Toluene-d8	50	49.5	99	86	113
		4-Bromofluorobenzene	50	48.1	96	77	121
Q2344-03	MW-3	1,2-Dichloroethane-d4	50	47.1	94	74	125
		Dibromofluoromethane	50	49.5	99	75	124
		Toluene-d8	50	49.8	99	86	113
		4-Bromofluorobenzene	50	48.1	96	77	121
Q2344-05	MW-4	1,2-Dichloroethane-d4	50	46.5	93	74	125
		Dibromofluoromethane	50	48.8	98	75	124
		Toluene-d8	50	49.6	99	86	113
		4-Bromofluorobenzene	50	48.0	96	77	121
Q2344-07	MW-2	1,2-Dichloroethane-d4	50	46.5	93	74	125
		Dibromofluoromethane	50	48.5	97	75	124
		Toluene-d8	50	49.0	98	86	113
		4-Bromofluorobenzene	50	47.9	96	77	121
Q2344-09	TRIP-BLANK	1,2-Dichloroethane-d4	50	48.0	96	74	125
		Dibromofluoromethane	50	48.6	97	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	49.5	99	77	121
VX0618WBL01	VX0618WBL01	1,2-Dichloroethane-d4	50	45.5	91	74	125
		Dibromofluoromethane	50	48.8	98	75	124
		Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	50.6	101	77	121
VX0618WBS01	VX0618WBS01	1,2-Dichloroethane-d4	50	49.7	99	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	51.3	103	86	113
		4-Bromofluorobenzene	50	53.9	108	77	121
VX0618WBSD0	VX0618WBSD01	1,2-Dichloroethane-d4	50	50.0	100	74	125
		Dibromofluoromethane	50	50.7	101	75	124
		Toluene-d8	50	51.6	103	86	113
		4-Bromofluorobenzene	50	54.8	110	77	121

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2344

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046731.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0618WBS01	Vinyl chloride	20	19.2	ug/L	96			65	117	
	Chloroethane	20	19.2	ug/L	96			56	128	
	Trichlorofluoromethane	20	19.2	ug/L	96			73	115	
	1,1-Dichloroethene	20	18.7	ug/L	94			74	110	
	Acrylonitrile	100	89.1	ug/L	89			73	113	
	Acetone	100	89.9	ug/L	90			60	125	
	Carbon disulfide	20	17.4	ug/L	87			64	112	
	Methylene Chloride	20	18.2	ug/L	91			72	114	
	Vinyl Acetate	100	92.7	ug/L	93			76	115	
	2-Butanone	100	89.9	ug/L	90			65	122	
	Carbon Tetrachloride	20	18.4	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			77	110	
	Bromochloromethane	20	22.0	ug/L	110			70	124	
	Chloroform	20	18.9	ug/L	95			79	113	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			80	108	
	Benzene	20	18.8	ug/L	94			82	109	
	1,2-Dichloropropane	20	18.5	ug/L	93			83	111	
	Dibromomethane	20	18.8	ug/L	94			82	110	
	Bromodichloromethane	20	18.7	ug/L	94			83	110	
	4-Methyl-2-Pentanone	100	91.3	ug/L	91			74	118	
	Toluene	20	19.1	ug/L	96			82	110	
	t-1,3-Dichloropropene	20	18.3	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			82	110	
	2-Hexanone	100	92.2	ug/L	92			73	117	
	Dibromochloromethane	20	18.8	ug/L	94			82	110	
	1,2-Dibromoethane	20	19.1	ug/L	96			81	110	
	Tetrachloroethene	20	18.1	ug/L	91			67	123	
	Chlorobenzene	20	18.3	ug/L	92			82	109	
	1,1,1,2-Tetrachloroethane	20	18.6	ug/L	93			84	111	
	Ethyl Benzene	20	18.3	ug/L	92			83	109	
	m/p-Xylenes	40	37.2	ug/L	93			82	110	
	o-Xylene	20	19.1	ug/L	96			83	109	
	Styrene	20	18.8	ug/L	94			80	111	
	Bromoform	20	17.9	ug/L	90			79	109	
	1,1,2,2-Tetrachloroethane	20	17.6	ug/L	88			76	118	
	1,2,3-Trichloropropane	20	17.9	ug/L	90			75	112	
	1,4-Dichlorobenzene	20	17.1	ug/L	86			82	107	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.3	ug/L	81			68	112	
	Methyl iodide	20	18.3	ug/L	92			70	130	
	trans-1,4-Dichloro-2-butene	20	15.9	ug/L	79			79	102	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2344

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046732.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0618WBSD01	Vinyl chloride	20	18.3	ug/L	92	4		65	117	19
	Chloroethane	20	19.8	ug/L	99	3		56	128	20
	Trichlorofluoromethane	20	18.8	ug/L	94	2		73	115	16
	1,1-Dichloroethene	20	18.7	ug/L	94	0		74	110	20
	Acrylonitrile	100	95.1	ug/L	95	7		73	113	29
	Acetone	100	90.2	ug/L	90	0		60	125	20
	Carbon disulfide	20	17.1	ug/L	86	1		64	112	20
	Methylene Chloride	20	18.5	ug/L	93	2		72	114	20
	Vinyl Acetate	100	96.7	ug/L	97	4		76	115	26
	2-Butanone	100	95.2	ug/L	95	5		65	122	26
	Carbon Tetrachloride	20	18.5	ug/L	93	1		77	113	15
	cis-1,2-Dichloroethene	20	18.9	ug/L	95	1		77	110	20
	Bromochloromethane	20	23.2	ug/L	116	5		70	124	20
	Chloroform	20	19.4	ug/L	97	2		79	113	20
	1,1,1-Trichloroethane	20	18.7	ug/L	94	0		80	108	20
	Benzene	20	19.2	ug/L	96	2		82	109	15
	1,2-Dichloropropane	20	19.3	ug/L	97	4		83	111	16
	Dibromomethane	20	19.5	ug/L	98	4		82	110	20
	Bromodichloromethane	20	19.8	ug/L	99	5		83	110	16
	4-Methyl-2-Pentanone	100	99.8	ug/L	100	9		74	118	25
	Toluene	20	19.4	ug/L	97	1		82	110	16
	t-1,3-Dichloropropene	20	19.1	ug/L	96	4		79	110	20
	cis-1,3-Dichloropropene	20	19.2	ug/L	96	4		82	110	16
	2-Hexanone	100	99.0	ug/L	99	7		73	117	25
	Dibromochloromethane	20	19.7	ug/L	99	5		82	110	20
	1,2-Dibromoethane	20	19.6	ug/L	98	2		81	110	20
	Tetrachloroethene	20	18.4	ug/L	92	1		67	123	15
	Chlorobenzene	20	18.7	ug/L	94	2		82	109	15
	1,1,1,2-Tetrachloroethane	20	18.8	ug/L	94	1		84	111	20
	Ethyl Benzene	20	18.5	ug/L	93	1		83	109	16
	m/p-Xylenes	40	37.8	ug/L	95	2		82	110	15
	o-Xylene	20	19.5	ug/L	98	2		83	109	20
	Styrene	20	19.1	ug/L	96	2		80	111	17
	Bromoform	20	18.7	ug/L	94	4		79	109	20
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94	7		76	118	20
	1,2,3-Trichloropropane	20	19.3	ug/L	97	7		75	112	20
	1,4-Dichlorobenzene	20	17.8	ug/L	89	3		82	107	15
	1,2-Dichlorobenzene	20	18.6	ug/L	93	4		82	109	20
	1,2-Dibromo-3-Chloropropane	20	18.0	ug/L	90	11		68	112	20
	Methyl iodide	20	19.0	ug/L	95	3		70	130	20
	trans-1,4-Dichloro-2-butene	20	17.2	ug/L	86	8		79	102	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0618WBL01

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046730.D Lab Sample ID: VX0618WBL01

Date Analyzed: 06/18/2025 Time Analyzed: 10:45

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
VX0618WBS01	VX0618WBS01	VX046731.D	06/18/2025
VX0618WBSD01	VX0618WBSD01	VX046732.D	06/18/2025
TRIP-BLANK	Q2344-09	VX046748.D	06/18/2025
MW-1	Q2344-01	VX046749.D	06/18/2025
MW-3	Q2344-03	VX046750.D	06/18/2025
MW-4	Q2344-05	VX046751.D	06/18/2025
MW-2	Q2344-07	VX046752.D	06/18/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046715.D BFB Injection Date: 06/17/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:46

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	18.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72 (96.2) 1
177	5.0 - 9.0% of mass 176	4.3 (6) 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
VSTDICC005	VSTDICC005	VX046718.D	06/17/2025	11:19
VSTDICC020	VSTDICC020	VX046719.D	06/17/2025	13:59
VSTDICCC050	VSTDICCC050	VX046720.D	06/17/2025	14:20
VSTDICC100	VSTDICC100	VX046721.D	06/17/2025	14:41
VSTDICC150	VSTDICC150	VX046722.D	06/17/2025	15:02
VSTDICC001	VSTDICC001	VX046725.D	06/17/2025	17:18

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046727.D BFB Injection Date: 06/18/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:59

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	18.9
75	30.0 - 60.0% of mass 95	50.8
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	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	71.4 (96.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.3) 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	VX046728.D	06/18/2025	09:33
VX0618WBL01	VX0618WBL01	VX046730.D	06/18/2025	10:45
VX0618WBS01	VX0618WBS01	VX046731.D	06/18/2025	11:07
VX0618WBSD01	VX0618WBSD01	VX046732.D	06/18/2025	11:29
TRIP-BLANK	Q2344-09	VX046748.D	06/18/2025	17:12
MW-1	Q2344-01	VX046749.D	06/18/2025	17:34
MW-3	Q2344-03	VX046750.D	06/18/2025	17:55
MW-4	Q2344-05	VX046751.D	06/18/2025	18:16
MW-2	Q2344-07	VX046752.D	06/18/2025	18:37

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046728.D Date Analyzed: 06/18/2025

Instrument ID: MSVOA_X Time Analyzed: 09:33

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	153144	5.56	247293	6.76	216990	10.06
UPPER LIMIT	306288	6.056	494586	7.263	433980	10.555
LOWER LIMIT	76572	5.056	123647	6.263	108495	9.555
EPA SAMPLE NO.						
MW-1	206985	5.57	342093	6.77	301676	10.06
MW-3	199636	5.57	328730	6.77	286981	10.06
MW-4	192926	5.56	318077	6.77	278709	10.06
MW-2	213961	5.57	355243	6.77	307080	10.06
TRIP-BLANK	127995	5.57	213425	6.77	190681	10.06
VX0618WBL01	167417	5.56	270618	6.76	242123	10.06
VX0618WBS01	156160	5.56	258286	6.77	234034	10.06
VX0618WBSD01	143671	5.56	237031	6.77	217627	10.06

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046728.D Date Analyzed: 06/18/2025

Instrument ID: MSVOA_X Time Analyzed: 09:33

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

	IS4 AREA #	RT #				
12 HOUR STD	104970	12.018				
UPPER LIMIT	209940	12.518				
LOWER LIMIT	52485	11.518				
EPA SAMPLE NO.						
MW-1	143592	12.02				
MW-3	138013	12.02				
MW-4	130790	12.02				
MW-2	148475	12.02				
TRIP-BLANK	93543	12.02				
VX0618WBL01	121135	12.02				
VX0618WBS01	121898	12.02				
VX0618WBSD01	112227	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

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:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0618WBL01	SDG No.:	Q2344
Lab Sample ID:	VX0618WBL01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046730.D	1		06/18/25 10:45	VX061825

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

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:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0618WBL01	SDG No.:	Q2344
Lab Sample ID:	VX0618WBL01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046730.D	1		06/18/25 10:45	VX061825

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	45.5		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	5.562			
540-36-3	1,4-Difluorobenzene	271000	6.763			
3114-55-4	Chlorobenzene-d5	242000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	121000	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

Alliance TECHNICAL GROUP
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:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0618WBS01	SDG No.:	Q2344
Lab Sample ID:	VX0618WBS01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046731.D	1		06/18/25 11:07	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.2		0.26	1.00	ug/L
75-00-3	Chloroethane	19.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	1.00	ug/L
107-13-1	Acrylonitrile	89.1		0.83	5.00	ug/L
67-64-1	Acetone	89.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.4		0.21	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.28	1.00	ug/L
108-05-4	Vinyl Acetate	92.7		0.66	5.00	ug/L
78-93-3	2-Butanone	89.9		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	22.0		0.22	1.00	ug/L
67-66-3	Chloroform	18.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	1.00	ug/L
71-43-2	Benzene	18.8		0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.20	1.00	ug/L
74-95-3	Dibromomethane	18.8		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	18.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.3		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	18.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.16	1.00	ug/L
591-78-6	2-Hexanone	92.2		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	18.6		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	18.3		0.13	1.00	ug/L

Alliance TECHNICAL GROUP
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:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0618WBS01	SDG No.:	Q2344
Lab Sample ID:	VX0618WBS01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046731.D	1		06/18/25 11:07	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	56.3		0.36	3.00	ug/L
100-42-5	Styrene	18.8		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	17.6		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	17.9		0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.1		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.3		0.53	1.00	ug/L
74-88-4	Methyl Iodide	18.3		0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	15.9		0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.3		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	5.562			
540-36-3	1,4-Difluorobenzene	258000	6.769			
3114-55-4	Chlorobenzene-d5	234000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	122000	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

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:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0618WBSD01	SDG No.:	Q2344
Lab Sample ID:	VX0618WBSD01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046732.D	1		06/18/25 11:29	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.3		0.26	1.00	ug/L
75-00-3	Chloroethane	19.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.8		0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	1.00	ug/L
107-13-1	Acrylonitrile	95.1		0.83	5.00	ug/L
67-64-1	Acetone	90.2		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.1		0.21	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.28	1.00	ug/L
108-05-4	Vinyl Acetate	96.7		0.66	5.00	ug/L
78-93-3	2-Butanone	95.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.2		0.22	1.00	ug/L
67-66-3	Chloroform	19.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.20	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
74-95-3	Dibromomethane	19.5		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.8		0.68	5.00	ug/L
108-88-3	Toluene	19.4		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.16	1.00	ug/L
591-78-6	2-Hexanone	99.0		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	18.8		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.13	1.00	ug/L

Alliance TECHNICAL GROUP
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:	
Project:	Ansonia Landfill 2025	Date Received:	
Client Sample ID:	VX0618WBSD01	SDG No.:	Q2344
Lab Sample ID:	VX0618WBSD01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046732.D	1		06/18/25 11:29	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	57.3		0.36	3.00	ug/L
100-42-5	Styrene	19.1		0.15	1.00	ug/L
75-25-2	Bromoform	18.7		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		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	17.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		0.53	1.00	ug/L
74-88-4	Methyl Iodide	19.0		0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	17.2		0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.6		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	144000	5.562			
540-36-3	1,4-Difluorobenzene	237000	6.769			
3114-55-4	Chlorobenzene-d5	218000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	112000	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

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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.: Q2344 SAS No.: Q2344 SDG No.: Q2344

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.569	0.632	0.634	0.687	0.644	0.521	0.614	9.7
Chloroethane	0.350	0.388	0.377	0.405	0.381	0.332	0.372	7.1
Trichlorofluoromethane	0.897	0.974	0.967	1.030	0.972	0.757	0.933	10.3
1,1-Dichloroethene	0.527	0.574	0.569	0.609	0.583	0.451	0.552	10.2
Acrylonitrile	0.270	0.287	0.285	0.312	0.295	0.226	0.279	10.6
Acetone	0.219	0.222	0.220	0.238	0.234	0.251	0.231	5.6
Carbon Disulfide	1.503	1.644	1.599	1.735	1.656	1.869	1.668	7.5
Methylene Chloride	0.655	0.655	0.610	0.666	0.624	0.637	0.641	3.3
Vinyl Acetate	1.423	1.608	1.596	1.747	1.664	1.138	1.529	14.3
2-Butanone	0.319	0.325	0.338	0.371	0.353	0.251	0.326	12.7
Carbon Tetrachloride	0.509	0.537	0.515	0.548	0.531	0.470	0.518	5.4
cis-1,2-Dichloroethene	0.681	0.731	0.686	0.741	0.704	0.623	0.694	6.1
Bromochloromethane	0.527	0.459	0.485	0.519	0.500	0.480	0.495	5.2
Chloroform	1.102	1.190	1.114	1.181	1.109	0.857	1.092	11.1
1,1,1-Trichloroethane	0.931	1.012	0.956	1.046	0.990	0.812	0.958	8.6
Benzene	1.431	1.477	1.417	1.509	1.427	1.218	1.413	7.2
1,2-Dichloropropane	0.347	0.372	0.346	0.374	0.357	0.305	0.350	7.2
Dibromomethane	0.243	0.260	0.251	0.270	0.259	0.228	0.252	5.9
Bromodichloromethane	0.510	0.545	0.522	0.562	0.540	0.404	0.514	11.1
4-Methyl-2-Pentanone	0.408	0.414	0.426	0.460	0.439	0.322	0.411	11.6
Toluene	0.884	0.927	0.888	0.927	0.881	0.750	0.876	7.4
t-1,3-Dichloropropene	0.438	0.484	0.488	0.555	0.540	0.355	0.477	15.3
cis-1,3-Dichloropropene	0.516	0.555	0.548	0.603	0.589	0.436	0.541	11.1
2-Hexanone	0.285	0.285	0.297	0.320	0.305	0.214	0.284	13
Dibromochloromethane	0.380	0.402	0.388	0.419	0.402	0.318	0.385	9.3
1,2-Dibromoethane	0.333	0.348	0.335	0.363	0.346	0.267	0.332	10.1
Tetrachloroethene	0.345	0.353	0.340	0.360	0.339	0.341	0.346	2.4
Chlorobenzene	1.114	1.148	1.091	1.165	1.100	1.005	1.104	5.1
1,1,1,2-Tetrachloroethane	0.358	0.398	0.373	0.408	0.386	0.302	0.371	10.2
Ethyl Benzene	1.905	2.030	1.933	2.062	1.945	1.696	1.929	6.7

* 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.

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.: Q2344 SAS No.: Q2344 SDG No.: Q2344

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
m/p-Xylenes	0.705	0.764	0.724	0.765	0.718	0.635	0.719	6.7
o-Xylene	0.686	0.729	0.692	0.739	0.698	0.498	0.673	13.1
Styrene	1.144	1.256	1.208	1.267	1.203	0.993	1.179	8.6
Bromoform	0.268	0.295	0.287	0.315	0.304	0.226	0.282	11.3
1,1,2,2-Tetrachloroethane	1.037	1.075	1.044	1.124	1.074	0.816	1.028	10.6
1,2,3-Trichloropropane	0.959	1.066	0.990	0.938	0.892	0.650	0.916	15.6
1,4-Dichlorobenzene	1.743	1.830	1.653	1.789	1.702	1.932	1.775	5.6
1,2-Dichlorobenzene	1.604	1.701	1.592	1.703	1.628	1.460	1.615	5.5
1,2-Dibromo-3-Chloropropane	0.196	0.205	0.211	0.235	0.237	0.134	0.203	18.6
1,2-Dichloroethane-d4	0.801	0.567	0.649	0.726	0.714		0.692	12.7
Dibromofluoromethane	0.362	0.267	0.320	0.354	0.351		0.331	11.9
Toluene-d8	1.342	0.973	1.144	1.250	1.234		1.189	11.7
4-Bromofluorobenzene	0.513	0.354	0.426	0.466	0.456		0.443	13.3
Methyl Iodide	0.447	0.566	0.654	0.788	0.752		0.642	21.7
trans-1,4-Dichloro-2-butene	0.264	0.297	0.311	0.367	0.381		0.324	15.1

* 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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG No.: Q2344

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 09:33

Lab File ID: VX046728.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.614	0.631		2.77	20
Chloroethane	0.372	0.378		1.61	20
Trichlorofluoromethane	0.933	0.941		0.86	20
1,1-Dichloroethene	0.552	0.558		1.09	20
Acrylonitrile	0.279	0.257		-7.89	20
Acetone	0.231	0.225		-2.6	20
Carbon Disulfide	1.668	1.541		-7.61	20
Methylene Chloride	0.641	0.606		-5.46	20
Vinyl Acetate	1.529	1.492		-2.42	20
2-Butanone	0.326	0.284		-12.88	20
Carbon Tetrachloride	0.518	0.493		-4.83	20
cis-1,2-Dichloroethene	0.694	0.660		-4.9	20
Bromochloromethane	0.495	0.530		7.07	20
Chloroform	1.092	1.057		-3.2	20
1,1,1-Trichloroethane	0.958	0.905		-5.53	20
Benzene	1.413	1.368		-3.18	20
1,2-Dichloropropane	0.350	0.339		-3.14	20
Dibromomethane	0.252	0.239		-5.16	20
Bromodichloromethane	0.514	0.499		-2.92	20
4-Methyl-2-Pentanone	0.411	0.374		-9	20
Toluene	0.876	0.844		-3.65	20
t-1,3-Dichloropropene	0.477	0.472		-1.05	20
cis-1,3-Dichloropropene	0.541	0.535		-1.11	20
2-Hexanone	0.284	0.256		-9.86	20
Dibromochloromethane	0.385	0.367		-4.68	20
1,2-Dibromoethane	0.332	0.316		-4.82	20
Tetrachloroethene	0.346	0.324		-6.36	20
Chlorobenzene	1.104	1.038	0.3	-5.98	20
1,1,1,2-Tetrachloroethane	0.371	0.355		-4.31	20
Ethyl Benzene	1.929	1.848		-4.2	20
m/p-Xylenes	0.719	0.689		-4.17	20
o-Xylene	0.673	0.658		-2.23	20
Styrene	1.179	1.139		-3.39	20
Bromoform	0.282	0.268	0.1	-4.97	20
1,1,2,2-Tetrachloroethane	1.028	0.964	0.3	-6.23	20
1,2,3-Trichloropropane	0.916	0.901		-1.64	20
1,4-Dichlorobenzene	1.775	1.625		-8.45	20
1,2-Dichlorobenzene	1.615	1.544		-4.4	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG No.: Q2344

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 09:33

Lab File ID: VX046728.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dibromo-3-Chloropropane	0.203	0.180		-11.33	20
1,2-Dichloroethane-d4	0.692	0.676		-2.31	20
Dibromofluoromethane	0.331	0.340		2.72	20
Toluene-d8	1.189	1.202		1.09	20
4-Bromofluorobenzene	0.443	0.443		0	20
Methyl Iodide	0.642	0.653		1.71	20
trans-1,4-Dichloro-2-butene	0.324	0.297		-8.33	20

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

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

LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2344-01	**MW-1**	**Water**			**06/16/25**			**06/17/25**
			Metals Group4	6010D		06/19/25	06/23/25	
Q2344-02	**MW-1**	**Water**			**06/16/25**			**06/17/25**
			Dissolved Metals Group5	6010D		06/19/25	06/23/25	
Q2344-03	**MW-3**	**Water**			**06/16/25**			**06/17/25**
			Metals Group4	6010D		06/19/25	06/23/25	
Q2344-04	**MW-3**	**Water**			**06/16/25**			**06/17/25**
			Dissolved Metals Group5	6010D		06/19/25	06/23/25	
Q2344-05	**MW-4**	**Water**			**06/16/25**			**06/17/25**
			Metals Group4	6010D		06/19/25	06/23/25	
Q2344-06	**MW-4**	**Water**			**06/16/25**			**06/17/25**
			Dissolved Metals Group5	6010D		06/19/25	06/23/25	
Q2344-07	**MW-2**	**Water**			**06/16/25**			**06/17/25**
			Metals Group4	6010D		06/19/25	06/23/25	
Q2344-08	**MW-2**	**Water**			**06/16/25**			**06/17/25**
			Dissolved Metals Group5	6010D		06/19/25	06/23/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2344 **Order ID:** Q2344

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								
Q2344-01	MW-1	Water	Barium	47.3	J	7.28	50.0	ug/L
Q2344-01	MW-1	Water	Cadmium	0.80	J	0.25	3.00	ug/L
Q2344-01	MW-1	Water	Chromium	3.48	J	1.06	5.00	ug/L
Q2344-01	MW-1	Water	Cobalt	8.07	J	1.13	15.0	ug/L
Q2344-01	MW-1	Water	Copper	3.91	J	2.30	10.0	ug/L
Q2344-01	MW-1	Water	Lead	6.99		1.15	6.00	ug/L
Q2344-01	MW-1	Water	Nickel	5.72	J	1.53	20.0	ug/L
Q2344-01	MW-1	Water	Potassium	4310		459	1000	ug/L
Q2344-01	MW-1	Water	Sodium	57400		434	1000	ug/L
Q2344-01	MW-1	Water	Zinc	111		1.75	20.0	ug/L
Client ID : MW-1								
Q2344-02	MW-1	Water	Iron	359		11.7	50.0	ug/L
Q2344-02	MW-1	Water	Manganese	74.2		2.97	10.0	ug/L
Client ID : MW-3								
Q2344-03	MW-3	Water	Barium	130		7.28	50.0	ug/L
Q2344-03	MW-3	Water	Chromium	1.18	J	1.06	5.00	ug/L
Q2344-03	MW-3	Water	Cobalt	11.2	J	1.13	15.0	ug/L
Q2344-03	MW-3	Water	Copper	2.69	J	2.30	10.0	ug/L
Q2344-03	MW-3	Water	Lead	9.16		1.15	6.00	ug/L
Q2344-03	MW-3	Water	Potassium	13000		459	1000	ug/L
Q2344-03	MW-3	Water	Sodium	129000		434	1000	ug/L
Q2344-03	MW-3	Water	Zinc	11.0	J	1.75	20.0	ug/L
Client ID : MW-3								
Q2344-04	MW-3	Water	Manganese	13.0		2.97	10.0	ug/L
Client ID : MW-4								
Q2344-05	MW-4	Water	Antimony	4.32	J	3.38	25.0	ug/L
Q2344-05	MW-4	Water	Barium	132		7.28	50.0	ug/L
Q2344-05	MW-4	Water	Chromium	1.79	J	1.06	5.00	ug/L
Q2344-05	MW-4	Water	Cobalt	11.1	J	1.13	15.0	ug/L
Q2344-05	MW-4	Water	Lead	7.81		1.15	6.00	ug/L
Q2344-05	MW-4	Water	Potassium	13400		459	1000	ug/L
Q2344-05	MW-4	Water	Sodium	132000		434	1000	ug/L
Q2344-05	MW-4	Water	Zinc	9.95	J	1.75	20.0	ug/L
Client ID : MW-4								

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

Hit Summary Sheet
SW-846

SDG No.: Q2344 **Order ID:** Q2344

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2344-06	MW-4	Water	Manganese	13.3		2.97	10.0	ug/L
Client ID :	**MW-2**							
Q2344-07	MW-2	Water	Antimony	5.08	J	3.38	25.0	ug/L
Q2344-07	MW-2	Water	Barium	166		7.28	50.0	ug/L
Q2344-07	MW-2	Water	Chromium	4.01	J	1.06	5.00	ug/L
Q2344-07	MW-2	Water	Cobalt	12.6	J	1.13	15.0	ug/L
Q2344-07	MW-2	Water	Copper	28.2		2.30	10.0	ug/L
Q2344-07	MW-2	Water	Lead	9.67		1.15	6.00	ug/L
Q2344-07	MW-2	Water	Nickel	26.2		1.53	20.0	ug/L
Q2344-07	MW-2	Water	Potassium	23200		459	1000	ug/L
Q2344-07	MW-2	Water	Sodium	201000		434	1000	ug/L
Q2344-07	MW-2	Water	Thallium	3.38	J	2.19	20.0	ug/L
Q2344-07	MW-2	Water	Zinc	95.0		1.75	20.0	ug/L
Client ID :	**MW-2**							
Q2344-08	MW-2	Water	Iron	6110		11.7	50.0	ug/L
Q2344-08	MW-2	Water	Manganese	884		2.97	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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-1	SDG No.:	Q2344
Lab Sample ID:	Q2344-01	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	3.38	U	1	3.38	25.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-39-3	Barium	47.3	J	1	7.28	50.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-43-9	Cadmium	0.80	J	1	0.25	3.00	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-47-3	Chromium	3.48	J	1	1.06	5.00	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-48-4	Cobalt	8.07	J	1	1.13	15.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-50-8	Copper	3.91	J	1	2.30	10.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7439-92-1	Lead	6.99		1	1.15	6.00	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-02-0	Nickel	5.72	J	1	1.53	20.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-09-7	Potassium	4310		1	459	1000	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-23-5	Sodium	57400		1	434	1000	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	SW3010
7440-66-6	Zinc	111		1	1.75	20.0	ug/L	06/19/25 10:10	06/23/25 18:16	6010D	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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-1	SDG No.:	Q2344
Lab Sample ID:	Q2344-02	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	359		1	11.7	50.0	ug/L	06/19/25 10:10	06/23/25 18:20	6010D	SW3010
7439-96-5	Manganese	74.2		1	2.97	10.0	ug/L	06/19/25 10:10	06/23/25 18:20	6010D	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

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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-3	SDG No.:	Q2344
Lab Sample ID:	Q2344-03	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	3.38	U	1	3.38	25.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-39-3	Barium	130		1	7.28	50.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-47-3	Chromium	1.18	J	1	1.06	5.00	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-48-4	Cobalt	11.2	J	1	1.13	15.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-50-8	Copper	2.69	J	1	2.30	10.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7439-92-1	Lead	9.16		1	1.15	6.00	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-02-0	Nickel	1.53	U	1	1.53	20.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-09-7	Potassium	13000		1	459	1000	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-23-5	Sodium	129000		1	434	1000	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	SW3010
7440-66-6	Zinc	11.0	J	1	1.75	20.0	ug/L	06/19/25 10:10	06/23/25 18:25	6010D	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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-3	SDG No.:	Q2344
Lab Sample ID:	Q2344-04	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	11.7	U	1	11.7	50.0	ug/L	06/19/25 10:10	06/23/25 18:30	6010D	SW3010
7439-96-5	Manganese	13.0		1	2.97	10.0	ug/L	06/19/25 10:10	06/23/25 18:30	6010D	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

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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4	SDG No.:	Q2344
Lab Sample ID:	Q2344-05	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	4.32	J	1	3.38	25.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-39-3	Barium	132		1	7.28	50.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-47-3	Chromium	1.79	J	1	1.06	5.00	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-48-4	Cobalt	11.1	J	1	1.13	15.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-50-8	Copper	2.30	U	1	2.30	10.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7439-92-1	Lead	7.81		1	1.15	6.00	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-02-0	Nickel	1.53	U	1	1.53	20.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-09-7	Potassium	13400		1	459	1000	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-23-5	Sodium	132000		1	434	1000	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	SW3010
7440-66-6	Zinc	9.95	J	1	1.75	20.0	ug/L	06/19/25 10:10	06/23/25 18:34	6010D	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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4	SDG No.:	Q2344
Lab Sample ID:	Q2344-06	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	11.7	U	1	11.7	50.0	ug/L	06/19/25 10:10	06/23/25 18:48	6010D	SW3010
7439-96-5	Manganese	13.3		1	2.97	10.0	ug/L	06/19/25 10:10	06/23/25 18:48	6010D	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

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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-2	SDG No.:	Q2344
Lab Sample ID:	Q2344-07	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	5.08	J	1	3.38	25.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-39-3	Barium	166		1	7.28	50.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-47-3	Chromium	4.01	J	1	1.06	5.00	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-48-4	Cobalt	12.6	J	1	1.13	15.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-50-8	Copper	28.2		1	2.30	10.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7439-92-1	Lead	9.67		1	1.15	6.00	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-02-0	Nickel	26.2		1	1.53	20.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-09-7	Potassium	23200		1	459	1000	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-23-5	Sodium	201000		1	434	1000	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-28-0	Thallium	3.38	J	1	2.19	20.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	SW3010
7440-66-6	Zinc	95.0		1	1.75	20.0	ug/L	06/19/25 10:10	06/23/25 18:52	6010D	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:	06/16/25
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-2	SDG No.:	Q2344
Lab Sample ID:	Q2344-08	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	6110		1	11.7	50.0	ug/L	06/19/25 10:10	06/23/25 19:19	6010D	SW3010
7439-96-5	Manganese	884		1	2.97	10.0	ug/L	06/19/25 10:10	06/23/25 19:19	6010D	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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	4110	4000	103	90 - 110	P	06/23/2025	12:34	LB136236
	Arsenic	3910	4000	98	90 - 110	P	06/23/2025	12:34	LB136236
	Barium	7850	8000	98	90 - 110	P	06/23/2025	12:34	LB136236
	Beryllium	206	200	103	90 - 110	P	06/23/2025	12:34	LB136236
	Cadmium	2000	2000	100	90 - 110	P	06/23/2025	12:34	LB136236
	Chromium	806	800	101	90 - 110	P	06/23/2025	12:34	LB136236
	Cobalt	2040	2000	102	90 - 110	P	06/23/2025	12:34	LB136236
	Copper	1030	1000	103	90 - 110	P	06/23/2025	12:34	LB136236
	Iron	3920	4000	98	90 - 110	P	06/23/2025	12:34	LB136236
	Lead	3950	4000	99	90 - 110	P	06/23/2025	12:34	LB136236
	Manganese	1960	2000	98	90 - 110	P	06/23/2025	12:34	LB136236
	Nickel	2030	2000	102	90 - 110	P	06/23/2025	12:34	LB136236
	Potassium	19000	20000	95	90 - 110	P	06/23/2025	12:34	LB136236
	Selenium	3980	4000	100	90 - 110	P	06/23/2025	12:34	LB136236
	Silver	1070	1000	107	90 - 110	P	06/23/2025	12:34	LB136236
	Sodium	20000	20000	100	90 - 110	P	06/23/2025	12:34	LB136236
	Thallium	4050	4000	101	90 - 110	P	06/23/2025	12:34	LB136236
	Vanadium	1990	2000	100	90 - 110	P	06/23/2025	12:34	LB136236
	Zinc	2000	2000	100	90 - 110	P	06/23/2025	12:34	LB136236

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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
LLICV01	Antimony	54.0	50.0	108	80 - 120	P	06/23/2025	13:09	LB136236
	Arsenic	18.0	20.0	90	80 - 120	P	06/23/2025	13:09	LB136236
	Barium	104	100	104	80 - 120	P	06/23/2025	13:09	LB136236
	Beryllium	6.48	6.0	108	80 - 120	P	06/23/2025	13:09	LB136236
	Cadmium	5.92	6.0	99	80 - 120	P	06/23/2025	13:09	LB136236
	Chromium	10.8	10.0	108	80 - 120	P	06/23/2025	13:09	LB136236
	Cobalt	31.6	30.0	105	80 - 120	P	06/23/2025	13:09	LB136236
	Copper	23.3	20.0	117	80 - 120	P	06/23/2025	13:09	LB136236
	Iron	102	100	102	80 - 120	P	06/23/2025	13:09	LB136236
	Lead	14.0	12.0	117	80 - 120	P	06/23/2025	13:09	LB136236
	Manganese	20.2	20.0	101	80 - 120	P	06/23/2025	13:09	LB136236
	Nickel	41.6	40.0	104	80 - 120	P	06/23/2025	13:09	LB136236
	Potassium	1690	2000	84	80 - 120	P	06/23/2025	13:09	LB136236
	Selenium	20.4	20.0	102	80 - 120	P	06/23/2025	13:09	LB136236
	Silver	10.8	10.0	108	80 - 120	P	06/23/2025	13:09	LB136236
	Sodium	1890	2000	94	80 - 120	P	06/23/2025	13:09	LB136236
	Thallium	41.5	40.0	104	80 - 120	P	06/23/2025	13:09	LB136236
	Vanadium	35.7	40.0	89	80 - 120	P	06/23/2025	13:09	LB136236
	Zinc	41.1	40.0	103	80 - 120	P	06/23/2025	13:09	LB136236

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	4920	5000	98	90 - 110	P	06/23/2025	13:56	LB136236
	Arsenic	5140	5000	103	90 - 110	P	06/23/2025	13:56	LB136236
	Barium	9940	10000	99	90 - 110	P	06/23/2025	13:56	LB136236
	Beryllium	250	250	100	90 - 110	P	06/23/2025	13:56	LB136236
	Cadmium	2580	2500	103	90 - 110	P	06/23/2025	13:56	LB136236
	Chromium	988	1000	99	90 - 110	P	06/23/2025	13:56	LB136236
	Cobalt	2580	2500	103	90 - 110	P	06/23/2025	13:56	LB136236
	Copper	1240	1250	100	90 - 110	P	06/23/2025	13:56	LB136236
	Iron	4900	5000	98	90 - 110	P	06/23/2025	13:56	LB136236
	Lead	5160	5000	103	90 - 110	P	06/23/2025	13:56	LB136236
	Manganese	2450	2500	98	90 - 110	P	06/23/2025	13:56	LB136236
	Nickel	2570	2500	103	90 - 110	P	06/23/2025	13:56	LB136236
	Potassium	23600	25000	94	90 - 110	P	06/23/2025	13:56	LB136236
	Selenium	5020	5000	100	90 - 110	P	06/23/2025	13:56	LB136236
	Silver	1230	1250	98	90 - 110	P	06/23/2025	13:56	LB136236
	Sodium	24500	25000	98	90 - 110	P	06/23/2025	13:56	LB136236
	Thallium	5120	5000	102	90 - 110	P	06/23/2025	13:56	LB136236
	Vanadium	2440	2500	98	90 - 110	P	06/23/2025	13:56	LB136236
	Zinc	2450	2500	98	90 - 110	P	06/23/2025	13:56	LB136236
CCV02	Antimony	4900	5000	98	90 - 110	P	06/23/2025	14:54	LB136236
	Arsenic	5120	5000	102	90 - 110	P	06/23/2025	14:54	LB136236
	Barium	10000	10000	100	90 - 110	P	06/23/2025	14:54	LB136236
	Beryllium	250	250	100	90 - 110	P	06/23/2025	14:54	LB136236
	Cadmium	2570	2500	103	90 - 110	P	06/23/2025	14:54	LB136236
	Chromium	989	1000	99	90 - 110	P	06/23/2025	14:54	LB136236
	Cobalt	2560	2500	102	90 - 110	P	06/23/2025	14:54	LB136236
	Copper	1240	1250	99	90 - 110	P	06/23/2025	14:54	LB136236
	Iron	4910	5000	98	90 - 110	P	06/23/2025	14:54	LB136236
	Lead	5120	5000	102	90 - 110	P	06/23/2025	14:54	LB136236
	Manganese	2470	2500	99	90 - 110	P	06/23/2025	14:54	LB136236
	Nickel	2550	2500	102	90 - 110	P	06/23/2025	14:54	LB136236
	Potassium	23300	25000	93	90 - 110	P	06/23/2025	14:54	LB136236
	Selenium	5000	5000	100	90 - 110	P	06/23/2025	14:54	LB136236
	Silver	1230	1250	98	90 - 110	P	06/23/2025	14:54	LB136236

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	24100	25000	96	90 - 110	P	06/23/2025	14:54	LB136236
	Thallium	5060	5000	101	90 - 110	P	06/23/2025	14:54	LB136236
	Vanadium	2450	2500	98	90 - 110	P	06/23/2025	14:54	LB136236
	Zinc	2440	2500	98	90 - 110	P	06/23/2025	14:54	LB136236
CCV03	Antimony	4960	5000	99	90 - 110	P	06/23/2025	15:47	LB136236
	Arsenic	5210	5000	104	90 - 110	P	06/23/2025	15:47	LB136236
	Barium	10100	10000	101	90 - 110	P	06/23/2025	15:47	LB136236
	Beryllium	247	250	99	90 - 110	P	06/23/2025	15:47	LB136236
	Cadmium	2590	2500	104	90 - 110	P	06/23/2025	15:47	LB136236
	Chromium	1010	1000	101	90 - 110	P	06/23/2025	15:47	LB136236
	Cobalt	2590	2500	104	90 - 110	P	06/23/2025	15:47	LB136236
	Copper	1220	1250	98	90 - 110	P	06/23/2025	15:47	LB136236
	Iron	4960	5000	99	90 - 110	P	06/23/2025	15:47	LB136236
	Lead	5190	5000	104	90 - 110	P	06/23/2025	15:47	LB136236
	Manganese	2500	2500	100	90 - 110	P	06/23/2025	15:47	LB136236
	Nickel	2570	2500	103	90 - 110	P	06/23/2025	15:47	LB136236
	Potassium	24100	25000	96	90 - 110	P	06/23/2025	15:47	LB136236
	Selenium	5060	5000	101	90 - 110	P	06/23/2025	15:47	LB136236
	Silver	1260	1250	101	90 - 110	P	06/23/2025	15:47	LB136236
	Sodium	24700	25000	99	90 - 110	P	06/23/2025	15:47	LB136236
	Thallium	5120	5000	102	90 - 110	P	06/23/2025	15:47	LB136236
	Vanadium	2490	2500	100	90 - 110	P	06/23/2025	15:47	LB136236
	Zinc	2490	2500	99	90 - 110	P	06/23/2025	15:47	LB136236
CCV04	Antimony	4960	5000	99	90 - 110	P	06/23/2025	16:51	LB136236
	Arsenic	5240	5000	105	90 - 110	P	06/23/2025	16:51	LB136236
	Barium	10200	10000	102	90 - 110	P	06/23/2025	16:51	LB136236
	Beryllium	259	250	104	90 - 110	P	06/23/2025	16:51	LB136236
	Cadmium	2600	2500	104	90 - 110	P	06/23/2025	16:51	LB136236
	Chromium	1010	1000	101	90 - 110	P	06/23/2025	16:51	LB136236
	Cobalt	2610	2500	104	90 - 110	P	06/23/2025	16:51	LB136236
	Copper	1280	1250	103	90 - 110	P	06/23/2025	16:51	LB136236
	Iron	4900	5000	98	90 - 110	P	06/23/2025	16:51	LB136236
	Lead	5230	5000	105	90 - 110	P	06/23/2025	16:51	LB136236
	Manganese	2490	2500	100	90 - 110	P	06/23/2025	16:51	LB136236

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	2590	2500	104	90 - 110	P	06/23/2025	16:51	LB136236
	Potassium	23800	25000	95	90 - 110	P	06/23/2025	16:51	LB136236
	Selenium	5070	5000	101	90 - 110	P	06/23/2025	16:51	LB136236
	Silver	1260	1250	101	90 - 110	P	06/23/2025	16:51	LB136236
	Sodium	24800	25000	99	90 - 110	P	06/23/2025	16:51	LB136236
	Thallium	5160	5000	103	90 - 110	P	06/23/2025	16:51	LB136236
	Vanadium	2490	2500	100	90 - 110	P	06/23/2025	16:51	LB136236
	Zinc	2480	2500	99	90 - 110	P	06/23/2025	16:51	LB136236
CCV05	Antimony	4940	5000	99	90 - 110	P	06/23/2025	17:45	LB136236
	Arsenic	5200	5000	104	90 - 110	P	06/23/2025	17:45	LB136236
	Barium	10200	10000	102	90 - 110	P	06/23/2025	17:45	LB136236
	Beryllium	260	250	104	90 - 110	P	06/23/2025	17:45	LB136236
	Cadmium	2590	2500	104	90 - 110	P	06/23/2025	17:45	LB136236
	Chromium	1000	1000	100	90 - 110	P	06/23/2025	17:45	LB136236
	Cobalt	2600	2500	104	90 - 110	P	06/23/2025	17:45	LB136236
	Copper	1290	1250	104	90 - 110	P	06/23/2025	17:45	LB136236
	Iron	4880	5000	98	90 - 110	P	06/23/2025	17:45	LB136236
	Lead	5210	5000	104	90 - 110	P	06/23/2025	17:45	LB136236
	Manganese	2470	2500	99	90 - 110	P	06/23/2025	17:45	LB136236
	Nickel	2580	2500	103	90 - 110	P	06/23/2025	17:45	LB136236
	Potassium	23800	25000	95	90 - 110	P	06/23/2025	17:45	LB136236
	Selenium	5050	5000	101	90 - 110	P	06/23/2025	17:45	LB136236
	Silver	1260	1250	101	90 - 110	P	06/23/2025	17:45	LB136236
	Sodium	25000	25000	100	90 - 110	P	06/23/2025	17:45	LB136236
	Thallium	5140	5000	103	90 - 110	P	06/23/2025	17:45	LB136236
	Vanadium	2470	2500	99	90 - 110	P	06/23/2025	17:45	LB136236
	Zinc	2450	2500	98	90 - 110	P	06/23/2025	17:45	LB136236
CCV06	Antimony	4980	5000	100	90 - 110	P	06/23/2025	18:39	LB136236
	Arsenic	5190	5000	104	90 - 110	P	06/23/2025	18:39	LB136236
	Barium	10100	10000	102	90 - 110	P	06/23/2025	18:39	LB136236
	Beryllium	255	250	102	90 - 110	P	06/23/2025	18:39	LB136236
	Cadmium	2600	2500	104	90 - 110	P	06/23/2025	18:39	LB136236
	Chromium	998	1000	100	90 - 110	P	06/23/2025	18:39	LB136236
	Cobalt	2610	2500	104	90 - 110	P	06/23/2025	18:39	LB136236

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	1270	1250	102	90 - 110	P	06/23/2025	18:39	LB136236
	Iron	4860	5000	97	90 - 110	P	06/23/2025	18:39	LB136236
	Lead	5210	5000	104	90 - 110	P	06/23/2025	18:39	LB136236
	Manganese	2450	2500	98	90 - 110	P	06/23/2025	18:39	LB136236
	Nickel	2600	2500	104	90 - 110	P	06/23/2025	18:39	LB136236
	Potassium	24000	25000	96	90 - 110	P	06/23/2025	18:39	LB136236
	Selenium	5060	5000	101	90 - 110	P	06/23/2025	18:39	LB136236
	Silver	1240	1250	100	90 - 110	P	06/23/2025	18:39	LB136236
	Sodium	25000	25000	100	90 - 110	P	06/23/2025	18:39	LB136236
	Thallium	5170	5000	103	90 - 110	P	06/23/2025	18:39	LB136236
	Vanadium	2450	2500	98	90 - 110	P	06/23/2025	18:39	LB136236
	Zinc	2510	2500	101	90 - 110	P	06/23/2025	18:39	LB136236
CCV07	Antimony	5010	5000	100	90 - 110	P	06/23/2025	19:24	LB136236
	Arsenic	5220	5000	104	90 - 110	P	06/23/2025	19:24	LB136236
	Barium	10200	10000	102	90 - 110	P	06/23/2025	19:24	LB136236
	Beryllium	256	250	103	90 - 110	P	06/23/2025	19:24	LB136236
	Cadmium	2610	2500	104	90 - 110	P	06/23/2025	19:24	LB136236
	Chromium	996	1000	100	90 - 110	P	06/23/2025	19:24	LB136236
	Cobalt	2620	2500	105	90 - 110	P	06/23/2025	19:24	LB136236
	Copper	1280	1250	102	90 - 110	P	06/23/2025	19:24	LB136236
	Iron	4880	5000	98	90 - 110	P	06/23/2025	19:24	LB136236
	Lead	5240	5000	105	90 - 110	P	06/23/2025	19:24	LB136236
	Manganese	2440	2500	98	90 - 110	P	06/23/2025	19:24	LB136236
	Nickel	2600	2500	104	90 - 110	P	06/23/2025	19:24	LB136236
	Potassium	24200	25000	97	90 - 110	P	06/23/2025	19:24	LB136236
	Selenium	5080	5000	102	90 - 110	P	06/23/2025	19:24	LB136236
	Silver	1250	1250	100	90 - 110	P	06/23/2025	19:24	LB136236
	Sodium	25300	25000	101	90 - 110	P	06/23/2025	19:24	LB136236
	Thallium	5210	5000	104	90 - 110	P	06/23/2025	19:24	LB136236
	Vanadium	2460	2500	98	90 - 110	P	06/23/2025	19:24	LB136236
	Zinc	2490	2500	100	90 - 110	P	06/23/2025	19:24	LB136236

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	4120	4000	103	90 - 110	P	06/26/2025	17:07	LB136305
	Arsenic	3860	4000	96	90 - 110	P	06/26/2025	17:07	LB136305
	Barium	7770	8000	97	90 - 110	P	06/26/2025	17:07	LB136305
	Beryllium	202	200	101	90 - 110	P	06/26/2025	17:07	LB136305
	Cadmium	1960	2000	98	90 - 110	P	06/26/2025	17:07	LB136305
	Chromium	783	800	98	90 - 110	P	06/26/2025	17:07	LB136305
	Cobalt	1950	2000	98	90 - 110	P	06/26/2025	17:07	LB136305
	Copper	1020	1000	102	90 - 110	P	06/26/2025	17:07	LB136305
	Iron	3810	4000	95	90 - 110	P	06/26/2025	17:07	LB136305
	Lead	3870	4000	97	90 - 110	P	06/26/2025	17:07	LB136305
	Manganese	1930	2000	96	90 - 110	P	06/26/2025	17:07	LB136305
	Nickel	1940	2000	97	90 - 110	P	06/26/2025	17:07	LB136305
	Potassium	19900	20000	100	90 - 110	P	06/26/2025	17:07	LB136305
	Selenium	3980	4000	99	90 - 110	P	06/26/2025	17:07	LB136305
	Silver	997	1000	100	90 - 110	P	06/26/2025	17:07	LB136305
	Sodium	20100	20000	100	90 - 110	P	06/26/2025	17:07	LB136305
	Thallium	3870	4000	97	90 - 110	P	06/26/2025	17:07	LB136305
	Vanadium	1940	2000	97	90 - 110	P	06/26/2025	17:07	LB136305
	Zinc	1950	2000	97	90 - 110	P	06/26/2025	17:07	LB136305

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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
LLICV01	Antimony	52.2	50.0	104	80 - 120	P	06/26/2025	17:19	LB136305
	Arsenic	16.6	20.0	83	80 - 120	P	06/26/2025	17:19	LB136305
	Barium	99.4	100	99	80 - 120	P	06/26/2025	17:19	LB136305
	Beryllium	6.32	6.0	105	80 - 120	P	06/26/2025	17:19	LB136305
	Cadmium	5.76	6.0	96	80 - 120	P	06/26/2025	17:19	LB136305
	Chromium	11.5	10.0	115	80 - 120	P	06/26/2025	17:19	LB136305
	Cobalt	30.1	30.0	100	80 - 120	P	06/26/2025	17:19	LB136305
	Copper	22.6	20.0	113	80 - 120	P	06/26/2025	17:19	LB136305
	Iron	112	100	112	80 - 120	P	06/26/2025	17:19	LB136305
	Lead	13.5	12.0	112	80 - 120	P	06/26/2025	17:19	LB136305
	Manganese	21.1	20.0	105	80 - 120	P	06/26/2025	17:19	LB136305
	Nickel	39.5	40.0	99	80 - 120	P	06/26/2025	17:19	LB136305
	Potassium	1630	2000	81	80 - 120	P	06/26/2025	17:19	LB136305
	Selenium	21.2	20.0	106	80 - 120	P	06/26/2025	17:19	LB136305
	Silver	10.2	10.0	102	80 - 120	P	06/26/2025	17:19	LB136305
	Sodium	1860	2000	93	80 - 120	P	06/26/2025	17:19	LB136305
	Thallium	41.7	40.0	104	80 - 120	P	06/26/2025	17:19	LB136305
	Vanadium	37.6	40.0	94	80 - 120	P	06/26/2025	17:19	LB136305
	Zinc	41.5	40.0	104	80 - 120	P	06/26/2025	17:19	LB136305

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	5040	5000	101	90 - 110	P	06/26/2025	17:55	LB136305
	Arsenic	5000	5000	100	90 - 110	P	06/26/2025	17:55	LB136305
	Barium	10100	10000	101	90 - 110	P	06/26/2025	17:55	LB136305
	Beryllium	251	250	100	90 - 110	P	06/26/2025	17:55	LB136305
	Cadmium	2480	2500	99	90 - 110	P	06/26/2025	17:55	LB136305
	Chromium	1010	1000	101	90 - 110	P	06/26/2025	17:55	LB136305
	Cobalt	2470	2500	99	90 - 110	P	06/26/2025	17:55	LB136305
	Copper	1260	1250	101	90 - 110	P	06/26/2025	17:55	LB136305
	Iron	4790	5000	96	90 - 110	P	06/26/2025	17:55	LB136305
	Lead	4910	5000	98	90 - 110	P	06/26/2025	17:55	LB136305
	Manganese	2490	2500	100	90 - 110	P	06/26/2025	17:55	LB136305
	Nickel	2460	2500	99	90 - 110	P	06/26/2025	17:55	LB136305
	Potassium	25800	25000	103	90 - 110	P	06/26/2025	17:55	LB136305
	Selenium	4940	5000	99	90 - 110	P	06/26/2025	17:55	LB136305
	Silver	1250	1250	100	90 - 110	P	06/26/2025	17:55	LB136305
	Sodium	25600	25000	102	90 - 110	P	06/26/2025	17:55	LB136305
	Thallium	4980	5000	100	90 - 110	P	06/26/2025	17:55	LB136305
	Vanadium	2540	2500	102	90 - 110	P	06/26/2025	17:55	LB136305
	Zinc	2550	2500	102	90 - 110	P	06/26/2025	17:55	LB136305
CCV02	Antimony	5030	5000	101	90 - 110	P	06/26/2025	18:48	LB136305
	Arsenic	5030	5000	100	90 - 110	P	06/26/2025	18:48	LB136305
	Barium	10100	10000	101	90 - 110	P	06/26/2025	18:48	LB136305
	Beryllium	247	250	99	90 - 110	P	06/26/2025	18:48	LB136305
	Cadmium	2470	2500	99	90 - 110	P	06/26/2025	18:48	LB136305
	Chromium	1040	1000	104	90 - 110	P	06/26/2025	18:48	LB136305
	Cobalt	2470	2500	99	90 - 110	P	06/26/2025	18:48	LB136305
	Copper	1240	1250	99	90 - 110	P	06/26/2025	18:48	LB136305
	Iron	4840	5000	97	90 - 110	P	06/26/2025	18:48	LB136305
	Lead	4900	5000	98	90 - 110	P	06/26/2025	18:48	LB136305
	Manganese	2500	2500	100	90 - 110	P	06/26/2025	18:48	LB136305
	Nickel	2470	2500	99	90 - 110	P	06/26/2025	18:48	LB136305
	Potassium	25500	25000	102	90 - 110	P	06/26/2025	18:48	LB136305
	Selenium	4890	5000	98	90 - 110	P	06/26/2025	18:48	LB136305
	Silver	1240	1250	100	90 - 110	P	06/26/2025	18:48	LB136305

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	25500	25000	102	90 - 110	P	06/26/2025	18:48	LB136305
	Thallium	4950	5000	99	90 - 110	P	06/26/2025	18:48	LB136305
	Vanadium	2550	2500	102	90 - 110	P	06/26/2025	18:48	LB136305
	Zinc	2590	2500	104	90 - 110	P	06/26/2025	18:48	LB136305
CCV03	Antimony	4990	5000	100	90 - 110	P	06/26/2025	19:27	LB136305
	Arsenic	4980	5000	100	90 - 110	P	06/26/2025	19:27	LB136305
	Barium	10100	10000	101	90 - 110	P	06/26/2025	19:27	LB136305
	Beryllium	244	250	97	90 - 110	P	06/26/2025	19:27	LB136305
	Cadmium	2440	2500	98	90 - 110	P	06/26/2025	19:27	LB136305
	Chromium	1060	1000	106	90 - 110	P	06/26/2025	19:27	LB136305
	Cobalt	2440	2500	98	90 - 110	P	06/26/2025	19:27	LB136305
	Copper	1230	1250	99	90 - 110	P	06/26/2025	19:27	LB136305
	Iron	4860	5000	97	90 - 110	P	06/26/2025	19:27	LB136305
	Lead	4840	5000	97	90 - 110	P	06/26/2025	19:27	LB136305
	Manganese	2480	2500	99	90 - 110	P	06/26/2025	19:27	LB136305
	Nickel	2450	2500	98	90 - 110	P	06/26/2025	19:27	LB136305
	Potassium	25700	25000	103	90 - 110	P	06/26/2025	19:27	LB136305
	Selenium	4830	5000	97	90 - 110	P	06/26/2025	19:27	LB136305
	Silver	1240	1250	99	90 - 110	P	06/26/2025	19:27	LB136305
	Sodium	25500	25000	102	90 - 110	P	06/26/2025	19:27	LB136305
	Thallium	4910	5000	98	90 - 110	P	06/26/2025	19:27	LB136305
	Vanadium	2530	2500	101	90 - 110	P	06/26/2025	19:27	LB136305
	Zinc	2590	2500	103	90 - 110	P	06/26/2025	19:27	LB136305
CCV04	Antimony	5040	5000	101	90 - 110	P	06/26/2025	20:02	LB136305
	Arsenic	5060	5000	101	90 - 110	P	06/26/2025	20:02	LB136305
	Barium	10200	10000	102	90 - 110	P	06/26/2025	20:02	LB136305
	Beryllium	242	250	97	90 - 110	P	06/26/2025	20:02	LB136305
	Cadmium	2480	2500	99	90 - 110	P	06/26/2025	20:02	LB136305
	Chromium	1050	1000	105	90 - 110	P	06/26/2025	20:02	LB136305
	Cobalt	2480	2500	99	90 - 110	P	06/26/2025	20:02	LB136305
	Copper	1220	1250	98	90 - 110	P	06/26/2025	20:02	LB136305
	Iron	4780	5000	96	90 - 110	P	06/26/2025	20:02	LB136305
	Lead	4900	5000	98	90 - 110	P	06/26/2025	20:02	LB136305
	Manganese	2490	2500	100	90 - 110	P	06/26/2025	20:02	LB136305

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	2470	2500	99	90 - 110	P	06/26/2025	20:02	LB136305
	Potassium	25200	25000	101	90 - 110	P	06/26/2025	20:02	LB136305
	Selenium	4880	5000	98	90 - 110	P	06/26/2025	20:02	LB136305
	Silver	1240	1250	99	90 - 110	P	06/26/2025	20:02	LB136305
	Sodium	25000	25000	100	90 - 110	P	06/26/2025	20:02	LB136305
	Thallium	4940	5000	99	90 - 110	P	06/26/2025	20:02	LB136305
	Vanadium	2560	2500	102	90 - 110	P	06/26/2025	20:02	LB136305
	Zinc	2600	2500	104	90 - 110	P	06/26/2025	20:02	LB136305
CCV05	Antimony	5100	5000	102	90 - 110	P	06/26/2025	20:46	LB136305
	Arsenic	5170	5000	103	90 - 110	P	06/26/2025	20:46	LB136305
	Barium	10200	10000	102	90 - 110	P	06/26/2025	20:46	LB136305
	Beryllium	252	250	101	90 - 110	P	06/26/2025	20:46	LB136305
	Cadmium	2500	2500	100	90 - 110	P	06/26/2025	20:46	LB136305
	Chromium	1050	1000	105	90 - 110	P	06/26/2025	20:46	LB136305
	Cobalt	2480	2500	99	90 - 110	P	06/26/2025	20:46	LB136305
	Copper	1270	1250	102	90 - 110	P	06/26/2025	20:46	LB136305
	Iron	4810	5000	96	90 - 110	P	06/26/2025	20:46	LB136305
	Lead	4950	5000	99	90 - 110	P	06/26/2025	20:46	LB136305
	Manganese	2490	2500	99	90 - 110	P	06/26/2025	20:46	LB136305
	Nickel	2480	2500	99	90 - 110	P	06/26/2025	20:46	LB136305
	Potassium	27200	25000	109	90 - 110	P	06/26/2025	20:46	LB136305
	Selenium	4990	5000	100	90 - 110	P	06/26/2025	20:46	LB136305
	Silver	1240	1250	100	90 - 110	P	06/26/2025	20:46	LB136305
	Sodium	26300	25000	105	90 - 110	P	06/26/2025	20:46	LB136305
	Thallium	4970	5000	100	90 - 110	P	06/26/2025	20:46	LB136305
	Vanadium	2550	2500	102	90 - 110	P	06/26/2025	20:46	LB136305
	Zinc	2640	2500	106	90 - 110	P	06/26/2025	20:46	LB136305
CCV06	Antimony	5050	5000	101	90 - 110	P	06/26/2025	21:39	LB136305
	Arsenic	5070	5000	102	90 - 110	P	06/26/2025	21:39	LB136305
	Barium	10100	10000	101	90 - 110	P	06/26/2025	21:39	LB136305
	Beryllium	244	250	98	90 - 110	P	06/26/2025	21:39	LB136305
	Cadmium	2470	2500	99	90 - 110	P	06/26/2025	21:39	LB136305
	Chromium	1070	1000	107	90 - 110	P	06/26/2025	21:39	LB136305
	Cobalt	2460	2500	98	90 - 110	P	06/26/2025	21:39	LB136305

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	1240	1250	99	90 - 110	P	06/26/2025	21:39	LB136305
	Iron	4790	5000	96	90 - 110	P	06/26/2025	21:39	LB136305
	Lead	4880	5000	98	90 - 110	P	06/26/2025	21:39	LB136305
	Manganese	2480	2500	99	90 - 110	P	06/26/2025	21:39	LB136305
	Nickel	2470	2500	99	90 - 110	P	06/26/2025	21:39	LB136305
	Potassium	25500	25000	102	90 - 110	P	06/26/2025	21:39	LB136305
	Selenium	4880	5000	98	90 - 110	P	06/26/2025	21:39	LB136305
	Silver	1240	1250	99	90 - 110	P	06/26/2025	21:39	LB136305
	Sodium	25500	25000	102	90 - 110	P	06/26/2025	21:39	LB136305
	Thallium	4910	5000	98	90 - 110	P	06/26/2025	21:39	LB136305
	Vanadium	2560	2500	102	90 - 110	P	06/26/2025	21:39	LB136305
	Zinc	2610	2500	104	90 - 110	P	06/26/2025	21:39	LB136305
CCV07	Antimony	5010	5000	100	90 - 110	P	06/26/2025	22:31	LB136305
	Arsenic	5020	5000	100	90 - 110	P	06/26/2025	22:31	LB136305
	Barium	10000	10000	100	90 - 110	P	06/26/2025	22:31	LB136305
	Beryllium	240	250	96	90 - 110	P	06/26/2025	22:31	LB136305
	Cadmium	2450	2500	98	90 - 110	P	06/26/2025	22:31	LB136305
	Chromium	1060	1000	106	90 - 110	P	06/26/2025	22:31	LB136305
	Cobalt	2450	2500	98	90 - 110	P	06/26/2025	22:31	LB136305
	Copper	1210	1250	97	90 - 110	P	06/26/2025	22:31	LB136305
	Iron	4750	5000	95	90 - 110	P	06/26/2025	22:31	LB136305
	Lead	4840	5000	97	90 - 110	P	06/26/2025	22:31	LB136305
	Manganese	2450	2500	98	90 - 110	P	06/26/2025	22:31	LB136305
	Nickel	2450	2500	98	90 - 110	P	06/26/2025	22:31	LB136305
	Potassium	25100	25000	101	90 - 110	P	06/26/2025	22:31	LB136305
	Selenium	4790	5000	96	90 - 110	P	06/26/2025	22:31	LB136305
	Silver	1230	1250	98	90 - 110	P	06/26/2025	22:31	LB136305
	Sodium	25200	25000	101	90 - 110	P	06/26/2025	22:31	LB136305
	Thallium	4880	5000	98	90 - 110	P	06/26/2025	22:31	LB136305
	Vanadium	2520	2500	101	90 - 110	P	06/26/2025	22:31	LB136305
	Zinc	2600	2500	104	90 - 110	P	06/26/2025	22:31	LB136305
CCV08	Antimony	5010	5000	100	90 - 110	P	06/26/2025	22:49	LB136305
	Arsenic	5020	5000	100	90 - 110	P	06/26/2025	22:49	LB136305
	Barium	10200	10000	102	90 - 110	P	06/26/2025	22:49	LB136305

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.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	243	250	97	90 - 110	P	06/26/2025	22:49	LB136305
	Cadmium	2450	2500	98	90 - 110	P	06/26/2025	22:49	LB136305
	Chromium	1060	1000	106	90 - 110	P	06/26/2025	22:49	LB136305
	Cobalt	2450	2500	98	90 - 110	P	06/26/2025	22:49	LB136305
	Copper	1240	1250	99	90 - 110	P	06/26/2025	22:49	LB136305
	Iron	4800	5000	96	90 - 110	P	06/26/2025	22:49	LB136305
	Lead	4840	5000	97	90 - 110	P	06/26/2025	22:49	LB136305
	Manganese	2470	2500	99	90 - 110	P	06/26/2025	22:49	LB136305
	Nickel	2450	2500	98	90 - 110	P	06/26/2025	22:49	LB136305
	Potassium	25400	25000	102	90 - 110	P	06/26/2025	22:49	LB136305
	Selenium	4800	5000	96	90 - 110	P	06/26/2025	22:49	LB136305
	Silver	1230	1250	99	90 - 110	P	06/26/2025	22:49	LB136305
	Sodium	25500	25000	102	90 - 110	P	06/26/2025	22:49	LB136305
	Thallium	4880	5000	98	90 - 110	P	06/26/2025	22:49	LB136305
	Vanadium	2550	2500	102	90 - 110	P	06/26/2025	22:49	LB136305
	Zinc	2610	2500	104	90 - 110	P	06/26/2025	22:49	LB136305

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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
CRI01	Antimony	52.9	50.0	106	65 - 135	P	06/23/2025	13:23	LB136236
	Arsenic	18.0	20.0	90	65 - 135	P	06/23/2025	13:23	LB136236
	Barium	100	100	100	65 - 135	P	06/23/2025	13:23	LB136236
	Beryllium	6.35	6.0	106	65 - 135	P	06/23/2025	13:23	LB136236
	Cadmium	5.84	6.0	97	65 - 135	P	06/23/2025	13:23	LB136236
	Chromium	10.1	10.0	101	65 - 135	P	06/23/2025	13:23	LB136236
	Cobalt	31.2	30.0	104	65 - 135	P	06/23/2025	13:23	LB136236
	Copper	23.3	20.0	116	65 - 135	P	06/23/2025	13:23	LB136236
	Iron	94.8	100	95	65 - 135	P	06/23/2025	13:23	LB136236
	Lead	11.8	12.0	98	65 - 135	P	06/23/2025	13:23	LB136236
	Manganese	20.4	20.0	102	65 - 135	P	06/23/2025	13:23	LB136236
	Nickel	40.7	40.0	102	65 - 135	P	06/23/2025	13:23	LB136236
	Potassium	1670	2000	83	65 - 135	P	06/23/2025	13:23	LB136236
	Selenium	17.5	20.0	88	65 - 135	P	06/23/2025	13:23	LB136236
	Silver	9.75	10.0	98	65 - 135	P	06/23/2025	13:23	LB136236
	Sodium	1870	2000	93	65 - 135	P	06/23/2025	13:23	LB136236
	Thallium	40.9	40.0	102	65 - 135	P	06/23/2025	13:23	LB136236
	Vanadium	34.3	40.0	86	65 - 135	P	06/23/2025	13:23	LB136236
	Zinc	40.3	40.0	101	65 - 135	P	06/23/2025	13:23	LB136236
CRI01	Antimony	53.0	50.0	106	65 - 135	P	06/26/2025	17:28	LB136305
	Arsenic	18.2	20.0	91	65 - 135	P	06/26/2025	17:28	LB136305
	Barium	100	100	100	65 - 135	P	06/26/2025	17:28	LB136305
	Beryllium	6.39	6.0	106	65 - 135	P	06/26/2025	17:28	LB136305
	Cadmium	5.73	6.0	96	65 - 135	P	06/26/2025	17:28	LB136305
	Chromium	11.3	10.0	113	65 - 135	P	06/26/2025	17:28	LB136305
	Cobalt	29.8	30.0	99	65 - 135	P	06/26/2025	17:28	LB136305
	Copper	22.8	20.0	114	65 - 135	P	06/26/2025	17:28	LB136305
	Iron	105	100	105	65 - 135	P	06/26/2025	17:28	LB136305
	Lead	11.9	12.0	99	65 - 135	P	06/26/2025	17:28	LB136305
	Manganese	21.6	20.0	108	65 - 135	P	06/26/2025	17:28	LB136305
	Nickel	39.3	40.0	98	65 - 135	P	06/26/2025	17:28	LB136305
	Potassium	1660	2000	83	65 - 135	P	06/26/2025	17:28	LB136305
	Selenium	20.5	20.0	102	65 - 135	P	06/26/2025	17:28	LB136305
	Silver	8.68	10.0	87	65 - 135	P	06/26/2025	17:28	LB136305
	Sodium	1900	2000	95	65 - 135	P	06/26/2025	17:28	LB136305
	Thallium	40.5	40.0	101	65 - 135	P	06/26/2025	17:28	LB136305

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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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
CRI01	Vanadium	33.1	40.0	83	65 - 135	P	06/26/2025	17:28	LB136305
	Zinc	40.9	40.0	102	65 - 135	P	06/26/2025	17:28	LB136305

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	6.76	+/-25	U	50.0	P	06/23/2025	13:19	LB136236
	Arsenic	5.12	+/-10	U	20.0	P	06/23/2025	13:19	LB136236
	Barium	14.6	+/-50	U	100	P	06/23/2025	13:19	LB136236
	Beryllium	0.56	+/-3	U	6.00	P	06/23/2025	13:19	LB136236
	Cadmium	0.50	+/-3	U	6.00	P	06/23/2025	13:19	LB136236
	Chromium	2.12	+/-5	U	10.0	P	06/23/2025	13:19	LB136236
	Cobalt	2.26	+/-15	U	30.0	P	06/23/2025	13:19	LB136236
	Copper	4.60	+/-10	U	20.0	P	06/23/2025	13:19	LB136236
	Iron	23.4	+/-50	U	100	P	06/23/2025	13:19	LB136236
	Lead	2.30	+/-6	U	12.0	P	06/23/2025	13:19	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	13:19	LB136236
	Nickel	3.06	+/-20	U	40.0	P	06/23/2025	13:19	LB136236
	Potassium	918	+/-1000	U	2000	P	06/23/2025	13:19	LB136236
	Selenium	9.64	+/-10	U	20.0	P	06/23/2025	13:19	LB136236
	Silver	1.62	+/-5	U	10.0	P	06/23/2025	13:19	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	13:19	LB136236
	Thallium	4.38	+/-20	U	40.0	P	06/23/2025	13:19	LB136236
	Vanadium	6.26	+/-20	U	40.0	P	06/23/2025	13:19	LB136236
	Zinc	3.50	+/-20	U	40.0	P	06/23/2025	13:19	LB136236

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	6.76	+/-25	U	50.0	P	06/23/2025	14:05	LB136236
	Arsenic	5.12	+/-10	U	20.0	P	06/23/2025	14:05	LB136236
	Barium	14.6	+/-50	U	100	P	06/23/2025	14:05	LB136236
	Beryllium	0.56	+/-3	U	6.00	P	06/23/2025	14:05	LB136236
	Cadmium	0.50	+/-3	U	6.00	P	06/23/2025	14:05	LB136236
	Chromium	2.12	+/-5	U	10.0	P	06/23/2025	14:05	LB136236
	Cobalt	2.26	+/-15	U	30.0	P	06/23/2025	14:05	LB136236
	Copper	4.60	+/-10	U	20.0	P	06/23/2025	14:05	LB136236
	Iron	23.4	+/-50	U	100	P	06/23/2025	14:05	LB136236
	Lead	2.30	+/-6	U	12.0	P	06/23/2025	14:05	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	14:05	LB136236
	Nickel	3.06	+/-20	U	40.0	P	06/23/2025	14:05	LB136236
	Potassium	918	+/-1000	U	2000	P	06/23/2025	14:05	LB136236
	Selenium	9.64	+/-10	U	20.0	P	06/23/2025	14:05	LB136236
	Silver	1.62	+/-5	U	10.0	P	06/23/2025	14:05	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	14:05	LB136236
	Thallium	4.38	+/-20	U	40.0	P	06/23/2025	14:05	LB136236
	Vanadium	6.26	+/-20	U	40.0	P	06/23/2025	14:05	LB136236
	Zinc	3.50	+/-20	U	40.0	P	06/23/2025	14:05	LB136236
CCB02	Antimony	6.76	+/-25	U	50.0	P	06/23/2025	14:58	LB136236
	Arsenic	5.12	+/-10	U	20.0	P	06/23/2025	14:58	LB136236
	Barium	14.6	+/-50	U	100	P	06/23/2025	14:58	LB136236
	Beryllium	0.56	+/-3	U	6.00	P	06/23/2025	14:58	LB136236
	Cadmium	0.50	+/-3	U	6.00	P	06/23/2025	14:58	LB136236
	Chromium	2.12	+/-5	U	10.0	P	06/23/2025	14:58	LB136236
	Cobalt	2.26	+/-15	U	30.0	P	06/23/2025	14:58	LB136236
	Copper	4.60	+/-10	U	20.0	P	06/23/2025	14:58	LB136236
	Iron	23.4	+/-50	U	100	P	06/23/2025	14:58	LB136236
	Lead	2.30	+/-6	U	12.0	P	06/23/2025	14:58	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	14:58	LB136236
	Nickel	3.06	+/-20	U	40.0	P	06/23/2025	14:58	LB136236
	Potassium	918	+/-1000	U	2000	P	06/23/2025	14:58	LB136236
	Selenium	9.64	+/-10	U	20.0	P	06/23/2025	14:58	LB136236
	Silver	1.62	+/-5	U	10.0	P	06/23/2025	14:58	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	14:58	LB136236
	Thallium	4.38	+/-20	U	40.0	P	06/23/2025	14:58	LB136236
	Vanadium	6.26	+/-20	U	40.0	P	06/23/2025	14:58	LB136236
	Zinc	3.50	+/-20	U	40.0	P	06/23/2025	14:58	LB136236
CCB03	Antimony	6.76	+/-25	U	50.0	P	06/23/2025	15:52	LB136236

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Arsenic	5.12	+/-10	U	20.0	P	06/23/2025	15:52	LB136236
	Barium	14.6	+/-50	U	100	P	06/23/2025	15:52	LB136236
	Beryllium	0.56	+/-3	U	6.00	P	06/23/2025	15:52	LB136236
	Cadmium	0.50	+/-3	U	6.00	P	06/23/2025	15:52	LB136236
	Chromium	2.12	+/-5	U	10.0	P	06/23/2025	15:52	LB136236
	Cobalt	2.26	+/-15	U	30.0	P	06/23/2025	15:52	LB136236
	Copper	4.60	+/-10	U	20.0	P	06/23/2025	15:52	LB136236
	Iron	23.4	+/-50	U	100	P	06/23/2025	15:52	LB136236
	Lead	2.30	+/-6	U	12.0	P	06/23/2025	15:52	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	15:52	LB136236
	Nickel	3.06	+/-20	U	40.0	P	06/23/2025	15:52	LB136236
	Potassium	918	+/-1000	U	2000	P	06/23/2025	15:52	LB136236
	Selenium	9.64	+/-10	U	20.0	P	06/23/2025	15:52	LB136236
	Silver	1.62	+/-5	U	10.0	P	06/23/2025	15:52	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	15:52	LB136236
	Thallium	4.38	+/-20	U	40.0	P	06/23/2025	15:52	LB136236
	Vanadium	6.26	+/-20	U	40.0	P	06/23/2025	15:52	LB136236
	Zinc	3.50	+/-20	U	40.0	P	06/23/2025	15:52	LB136236
CCB04	Antimony	6.76	+/-25	U	50.0	P	06/23/2025	16:56	LB136236
	Arsenic	5.12	+/-10	U	20.0	P	06/23/2025	16:56	LB136236
	Barium	14.6	+/-50	U	100	P	06/23/2025	16:56	LB136236
	Beryllium	0.56	+/-3	U	6.00	P	06/23/2025	16:56	LB136236
	Cadmium	0.50	+/-3	U	6.00	P	06/23/2025	16:56	LB136236
	Chromium	2.12	+/-5	U	10.0	P	06/23/2025	16:56	LB136236
	Cobalt	2.26	+/-15	U	30.0	P	06/23/2025	16:56	LB136236
	Copper	4.60	+/-10	U	20.0	P	06/23/2025	16:56	LB136236
	Iron	23.4	+/-50	U	100	P	06/23/2025	16:56	LB136236
	Lead	2.30	+/-6	U	12.0	P	06/23/2025	16:56	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	16:56	LB136236
	Nickel	3.06	+/-20	U	40.0	P	06/23/2025	16:56	LB136236
	Potassium	918	+/-1000	U	2000	P	06/23/2025	16:56	LB136236
	Selenium	9.64	+/-10	U	20.0	P	06/23/2025	16:56	LB136236
	Silver	1.62	+/-5	U	10.0	P	06/23/2025	16:56	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	16:56	LB136236
	Thallium	4.38	+/-20	U	40.0	P	06/23/2025	16:56	LB136236
	Vanadium	6.26	+/-20	U	40.0	P	06/23/2025	16:56	LB136236
	Zinc	3.50	+/-20	U	40.0	P	06/23/2025	16:56	LB136236
CCB05	Antimony	6.76	+/-25	U	50.0	P	06/23/2025	17:49	LB136236
	Arsenic	5.12	+/-10	U	20.0	P	06/23/2025	17:49	LB136236

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Barium	14.6	+/-50	U	100	P	06/23/2025	17:49	LB136236
	Beryllium	0.56	+/-3	U	6.00	P	06/23/2025	17:49	LB136236
	Cadmium	0.50	+/-3	U	6.00	P	06/23/2025	17:49	LB136236
	Chromium	2.12	+/-5	U	10.0	P	06/23/2025	17:49	LB136236
	Cobalt	2.26	+/-15	U	30.0	P	06/23/2025	17:49	LB136236
	Copper	4.60	+/-10	U	20.0	P	06/23/2025	17:49	LB136236
	Iron	23.4	+/-50	U	100	P	06/23/2025	17:49	LB136236
	Lead	2.30	+/-6	U	12.0	P	06/23/2025	17:49	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	17:49	LB136236
	Nickel	3.06	+/-20	U	40.0	P	06/23/2025	17:49	LB136236
	Potassium	918	+/-1000	U	2000	P	06/23/2025	17:49	LB136236
	Selenium	9.64	+/-10	U	20.0	P	06/23/2025	17:49	LB136236
	Silver	1.62	+/-5	U	10.0	P	06/23/2025	17:49	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	17:49	LB136236
	Thallium	4.38	+/-20	U	40.0	P	06/23/2025	17:49	LB136236
	Vanadium	6.26	+/-20	U	40.0	P	06/23/2025	17:49	LB136236
	Zinc	3.50	+/-20	U	40.0	P	06/23/2025	17:49	LB136236
CCB06	Antimony	6.76	+/-25	U	50.0	P	06/23/2025	18:43	LB136236
	Arsenic	5.12	+/-10	U	20.0	P	06/23/2025	18:43	LB136236
	Barium	14.6	+/-50	U	100	P	06/23/2025	18:43	LB136236
	Beryllium	0.56	+/-3	U	6.00	P	06/23/2025	18:43	LB136236
	Cadmium	0.50	+/-3	U	6.00	P	06/23/2025	18:43	LB136236
	Chromium	2.12	+/-5	U	10.0	P	06/23/2025	18:43	LB136236
	Cobalt	2.26	+/-15	U	30.0	P	06/23/2025	18:43	LB136236
	Copper	4.60	+/-10	U	20.0	P	06/23/2025	18:43	LB136236
	Iron	23.4	+/-50	U	100	P	06/23/2025	18:43	LB136236
	Lead	2.30	+/-6	U	12.0	P	06/23/2025	18:43	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	18:43	LB136236
	Nickel	3.06	+/-20	U	40.0	P	06/23/2025	18:43	LB136236
	Potassium	918	+/-1000	U	2000	P	06/23/2025	18:43	LB136236
	Selenium	9.64	+/-10	U	20.0	P	06/23/2025	18:43	LB136236
	Silver	1.62	+/-5	U	10.0	P	06/23/2025	18:43	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	18:43	LB136236
	Thallium	4.38	+/-20	U	40.0	P	06/23/2025	18:43	LB136236
	Vanadium	6.26	+/-20	U	40.0	P	06/23/2025	18:43	LB136236
	Zinc	3.50	+/-20	U	40.0	P	06/23/2025	18:43	LB136236
CCB07	Antimony	6.76	+/-25	U	50.0	P	06/23/2025	19:28	LB136236
	Arsenic	5.12	+/-10	U	20.0	P	06/23/2025	19:28	LB136236
	Barium	14.6	+/-50	U	100	P	06/23/2025	19:28	LB136236

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Beryllium	0.56	+/-3	U	6.00	P	06/23/2025	19:28	LB136236
	Cadmium	0.50	+/-3	U	6.00	P	06/23/2025	19:28	LB136236
	Chromium	2.12	+/-5	U	10.0	P	06/23/2025	19:28	LB136236
	Cobalt	2.26	+/-15	U	30.0	P	06/23/2025	19:28	LB136236
	Copper	4.60	+/-10	U	20.0	P	06/23/2025	19:28	LB136236
	Iron	23.4	+/-50	U	100	P	06/23/2025	19:28	LB136236
	Lead	2.30	+/-6	U	12.0	P	06/23/2025	19:28	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	19:28	LB136236
	Nickel	3.06	+/-20	U	40.0	P	06/23/2025	19:28	LB136236
	Potassium	918	+/-1000	U	2000	P	06/23/2025	19:28	LB136236
	Selenium	9.64	+/-10	U	20.0	P	06/23/2025	19:28	LB136236
	Silver	1.62	+/-5	U	10.0	P	06/23/2025	19:28	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	19:28	LB136236
	Thallium	4.38	+/-20	U	40.0	P	06/23/2025	19:28	LB136236
	Vanadium	6.26	+/-20	U	40.0	P	06/23/2025	19:28	LB136236
	Zinc	3.50	+/-20	U	40.0	P	06/23/2025	19:28	LB136236

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	17:23	LB136305
	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	17:23	LB136305
	Barium	14.6	+/-50	U	100	P	06/26/2025	17:23	LB136305
	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	17:23	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	17:23	LB136305
	Chromium	2.12	+/-5	U	10.0	P	06/26/2025	17:23	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	17:23	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	17:23	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	17:23	LB136305
	Lead	2.30	+/-6	U	12.0	P	06/26/2025	17:23	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	17:23	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	17:23	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	17:23	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	17:23	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	17:23	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	17:23	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	17:23	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	17:23	LB136305
	Zinc	3.50	+/-20	U	40.0	P	06/26/2025	17:23	LB136305

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	17:59	LB136305
	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	17:59	LB136305
	Barium	14.6	+/-50	U	100	P	06/26/2025	17:59	LB136305
	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	17:59	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	17:59	LB136305
	Chromium	2.12	+/-5	U	10.0	P	06/26/2025	17:59	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	17:59	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	17:59	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	17:59	LB136305
	Lead	2.30	+/-6	U	12.0	P	06/26/2025	17:59	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	17:59	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	17:59	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	17:59	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	17:59	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	17:59	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	17:59	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	17:59	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	17:59	LB136305
	Zinc	3.50	+/-20	U	40.0	P	06/26/2025	17:59	LB136305
CCB02	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	18:52	LB136305
	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	18:52	LB136305
	Barium	14.6	+/-50	U	100	P	06/26/2025	18:52	LB136305
	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	18:52	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	18:52	LB136305
	Chromium	2.12	+/-5	U	10.0	P	06/26/2025	18:52	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	18:52	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	18:52	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	18:52	LB136305
	Lead	2.30	+/-6	U	12.0	P	06/26/2025	18:52	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	18:52	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	18:52	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	18:52	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	18:52	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	18:52	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	18:52	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	18:52	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	18:52	LB136305
	Zinc	3.50	+/-20	U	40.0	P	06/26/2025	18:52	LB136305
CCB03	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	19:31	LB136305

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	19:31	LB136305
	Barium	14.6	+/-50	U	100	P	06/26/2025	19:31	LB136305
	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	19:31	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	19:31	LB136305
	Chromium	2.12	+/-5	U	10.0	P	06/26/2025	19:31	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	19:31	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	19:31	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	19:31	LB136305
	Lead	2.30	+/-6	U	12.0	P	06/26/2025	19:31	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	19:31	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	19:31	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	19:31	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	19:31	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	19:31	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	19:31	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	19:31	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	19:31	LB136305
	Zinc	3.50	+/-20	U	40.0	P	06/26/2025	19:31	LB136305
CCB04	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	20:07	LB136305
	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	20:07	LB136305
	Barium	14.6	+/-50	U	100	P	06/26/2025	20:07	LB136305
	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	20:07	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	20:07	LB136305
	Chromium	2.12	+/-5	U	10.0	P	06/26/2025	20:07	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	20:07	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	20:07	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	20:07	LB136305
	Lead	2.30	+/-6	U	12.0	P	06/26/2025	20:07	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	20:07	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	20:07	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	20:07	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	20:07	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	20:07	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	20:07	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	20:07	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	20:07	LB136305
	Zinc	16.4	+/-20	J	40.0	P	06/26/2025	20:07	LB136305
CCB05	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	20:51	LB136305
	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	20:51	LB136305

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Barium	14.6	+/-50	U	100	P	06/26/2025	20:51	LB136305
	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	20:51	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	20:51	LB136305
	Chromium	2.12	+/-5	U	10.0	P	06/26/2025	20:51	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	20:51	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	20:51	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	20:51	LB136305
	Lead	2.30	+/-6	U	12.0	P	06/26/2025	20:51	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	20:51	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	20:51	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	20:51	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	20:51	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	20:51	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	20:51	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	20:51	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	20:51	LB136305
	Zinc	3.50	+/-20	U	40.0	P	06/26/2025	20:51	LB136305
CCB06	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	21:43	LB136305
	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	21:43	LB136305
	Barium	14.6	+/-50	U	100	P	06/26/2025	21:43	LB136305
	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	21:43	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	21:43	LB136305
	Chromium	2.37	+/-5	J	10.0	P	06/26/2025	21:43	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	21:43	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	21:43	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	21:43	LB136305
	Lead	3.22	+/-6	J	12.0	P	06/26/2025	21:43	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	21:43	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	21:43	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	21:43	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	21:43	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	21:43	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	21:43	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	21:43	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	21:43	LB136305
	Zinc	3.50	+/-20	U	40.0	P	06/26/2025	21:43	LB136305
CCB07	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	22:35	LB136305
	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	22:35	LB136305
	Barium	14.6	+/-50	U	100	P	06/26/2025	22:35	LB136305

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	22:35	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	22:35	LB136305
	Chromium	2.12	+/-5	U	10.0	P	06/26/2025	22:35	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	22:35	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	22:35	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	22:35	LB136305
	Lead	2.30	+/-6	U	12.0	P	06/26/2025	22:35	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	22:35	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	22:35	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	22:35	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	22:35	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	22:35	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	22:35	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	22:35	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	22:35	LB136305
	Zinc	3.50	+/-20	U	40.0	P	06/26/2025	22:35	LB136305
CCB08	Antimony	6.76	+/-25	U	50.0	P	06/26/2025	22:53	LB136305
	Arsenic	5.12	+/-10	U	20.0	P	06/26/2025	22:53	LB136305
	Barium	14.6	+/-50	U	100	P	06/26/2025	22:53	LB136305
	Beryllium	0.56	+/-3	U	6.00	P	06/26/2025	22:53	LB136305
	Cadmium	0.50	+/-3	U	6.00	P	06/26/2025	22:53	LB136305
	Chromium	2.12	+/-5	U	10.0	P	06/26/2025	22:53	LB136305
	Cobalt	2.26	+/-15	U	30.0	P	06/26/2025	22:53	LB136305
	Copper	4.60	+/-10	U	20.0	P	06/26/2025	22:53	LB136305
	Iron	23.4	+/-50	U	100	P	06/26/2025	22:53	LB136305
	Lead	2.30	+/-6	U	12.0	P	06/26/2025	22:53	LB136305
	Manganese	5.94	+/-10	U	20.0	P	06/26/2025	22:53	LB136305
	Nickel	3.06	+/-20	U	40.0	P	06/26/2025	22:53	LB136305
	Potassium	918	+/-1000	U	2000	P	06/26/2025	22:53	LB136305
	Selenium	9.64	+/-10	U	20.0	P	06/26/2025	22:53	LB136305
	Silver	1.62	+/-5	U	10.0	P	06/26/2025	22:53	LB136305
	Sodium	868	+/-1000	U	2000	P	06/26/2025	22:53	LB136305
	Thallium	4.38	+/-20	U	40.0	P	06/26/2025	22:53	LB136305
	Vanadium	6.26	+/-20	U	40.0	P	06/26/2025	22:53	LB136305
	Zinc	3.50	+/-20	U	40.0	P	06/26/2025	22:53	LB136305

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Instrument: P5

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168551BL		**WATER**		**Batch Number:**	**PB168551**		**Prep Date:**	**06/19/2025**	
	Antimony	3.38	<12.5	U	25.0	P	06/26/2025	18:13	LB136305
	Arsenic	2.56	<5	U	10.0	P	06/26/2025	18:13	LB136305
	Barium	7.28	<25	U	50.0	P	06/26/2025	18:13	LB136305
	Beryllium	0.28	<1.5	U	3.00	P	06/26/2025	18:13	LB136305
	Cadmium	0.25	<1.5	U	3.00	P	06/26/2025	18:13	LB136305
	Chromium	1.06	<2.5	U	5.00	P	06/26/2025	18:13	LB136305
	Cobalt	1.13	<7.5	U	15.0	P	06/26/2025	18:13	LB136305
	Copper	2.30	<5	U	10.0	P	06/26/2025	18:13	LB136305
	Iron	11.7	<25	U	50.0	P	06/26/2025	18:13	LB136305
	Lead	1.15	<3	U	6.00	P	06/26/2025	18:13	LB136305
	Manganese	2.97	<5	U	10.0	P	06/26/2025	18:13	LB136305
	Nickel	1.53	<10	U	20.0	P	06/26/2025	18:13	LB136305
	Potassium	459	<500	U	1000	P	06/26/2025	18:13	LB136305
	Selenium	4.82	<5	U	10.0	P	06/26/2025	18:13	LB136305
	Silver	0.81	<2.5	U	5.00	P	06/26/2025	18:13	LB136305
	Sodium	434	<500	U	1000	P	06/26/2025	18:13	LB136305
	Thallium	2.19	<10	U	20.0	P	06/26/2025	18:13	LB136305
	Vanadium	3.13	<10	U	20.0	P	06/26/2025	18:13	LB136305
	Zinc	1.75	<10	U	20.0	P	06/26/2025	18:13	LB136305

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

ICS Source: EPA **Instrument ID:** P5

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	19.1			-50	50	06/23/2025	13:34	LB136236
	Arsenic	-7.00			-20	20	06/23/2025	13:34	LB136236
	Barium	7.03	6.0	117	-94	106	06/23/2025	13:34	LB136236
	Beryllium	1.14			-6	6	06/23/2025	13:34	LB136236
	Cadmium	-1.06	1.0	106	-5	7	06/23/2025	13:34	LB136236
	Chromium	50.3	52.0	97	42	62	06/23/2025	13:34	LB136236
	Cobalt	27.1			-30	30	06/23/2025	13:34	LB136236
	Copper	-9.01	2.0	450	-18	22	06/23/2025	13:34	LB136236
	Iron	99900	100000	100	85600	116500	06/23/2025	13:34	LB136236
	Lead	-2.88			-12	12	06/23/2025	13:34	LB136236
	Manganese	6.23	7.0	89	-13	27	06/23/2025	13:34	LB136236
	Nickel	4.60	2.0	230	-38	42	06/23/2025	13:34	LB136236
	Potassium	8.86			0	0	06/23/2025	13:34	LB136236
	Selenium	-1.75			-20	20	06/23/2025	13:34	LB136236
	Silver	-0.54			-10	10	06/23/2025	13:34	LB136236
	Sodium	200			0	0	06/23/2025	13:34	LB136236
	Thallium	6.79			-40	40	06/23/2025	13:34	LB136236
	Vanadium	6.95			-40	40	06/23/2025	13:34	LB136236
	Zinc	11.2			-40	40	06/23/2025	13:34	LB136236
ICSAB01	Antimony	618	620	100	525	711	06/23/2025	13:43	LB136236
	Arsenic	94.5	100	94	88.4	120	06/23/2025	13:43	LB136236
	Barium	505	540	94	437	637	06/23/2025	13:43	LB136236
	Beryllium	513	500	103	420	570	06/23/2025	13:43	LB136236
	Cadmium	1030	970	106	826	1120	06/23/2025	13:43	LB136236
	Chromium	543	540	101	460	624	06/23/2025	13:43	LB136236
	Cobalt	531	480	111	404	548	06/23/2025	13:43	LB136236
	Copper	478	510	94	434	588	06/23/2025	13:43	LB136236
	Iron	96200	99000	97	84400	114500	06/23/2025	13:43	LB136236
	Lead	45.9	49.0	94	37	61	06/23/2025	13:43	LB136236
	Manganese	486	510	95	430	584	06/23/2025	13:43	LB136236
	Nickel	1010	950	106	810	1100	06/23/2025	13:43	LB136236
	Potassium	5.91			0	0	06/23/2025	13:43	LB136236
	Selenium	52.0	46.0	113	26	66	06/23/2025	13:43	LB136236
	Silver	209	200	104	170	232	06/23/2025	13:43	LB136236
	Sodium	192			0	0	06/23/2025	13:43	LB136236
	Thallium	98.9	110	90	68	148	06/23/2025	13:43	LB136236
	Vanadium	490	490	100	417	565	06/23/2025	13:43	LB136236
	Zinc	1010	950	106	809	1095	06/23/2025	13:43	LB136236
ICSA01	Antimony	17.7			-50	50	06/26/2025	17:37	LB136305
	Arsenic	-0.86			-20	20	06/26/2025	17:37	LB136305
	Barium	5.56	6.0	93	-94	106	06/26/2025	17:37	LB136305
	Beryllium	1.03			-6	6	06/26/2025	17:37	LB136305

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

ICS Source: EPA **Instrument ID:** P5

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	Cadmium	-1.09	1.0	109	-5	7	06/26/2025	17:37	LB136305
	Chromium	50.8	52.0	98	42	62	06/26/2025	17:37	LB136305
	Cobalt	27.8			-30	30	06/26/2025	17:37	LB136305
	Copper	-5.23	2.0	262	-18	22	06/26/2025	17:37	LB136305
	Iron	95600	100000	96	85600	116500	06/26/2025	17:37	LB136305
	Lead	2.20			-12	12	06/26/2025	17:37	LB136305
	Manganese	5.18	7.0	74	-13	27	06/26/2025	17:37	LB136305
	Nickel	3.31	2.0	166	-38	42	06/26/2025	17:37	LB136305
	Potassium	4.58			0	0	06/26/2025	17:37	LB136305
	Selenium	6.56			-20	20	06/26/2025	17:37	LB136305
	Silver	2.97			-10	10	06/26/2025	17:37	LB136305
	Sodium	157			0	0	06/26/2025	17:37	LB136305
	Thallium	16.0			-40	40	06/26/2025	17:37	LB136305
	Vanadium	3.94			-40	40	06/26/2025	17:37	LB136305
	Zinc	12.0			-40	40	06/26/2025	17:37	LB136305
ICSAB01	Antimony	608	620	98	525	711	06/26/2025	17:42	LB136305
	Arsenic	92.6	100	93	88.4	120	06/26/2025	17:42	LB136305
	Barium	499	540	92	437	637	06/26/2025	17:42	LB136305
	Beryllium	494	500	99	420	570	06/26/2025	17:42	LB136305
	Cadmium	970	970	100	826	1120	06/26/2025	17:42	LB136305
	Chromium	541	540	100	460	624	06/26/2025	17:42	LB136305
	Cobalt	503	480	105	404	548	06/26/2025	17:42	LB136305
	Copper	468	510	92	434	588	06/26/2025	17:42	LB136305
	Iron	96300	99000	97	84400	114500	06/26/2025	17:42	LB136305
	Lead	49.4	49.0	101	37	61	06/26/2025	17:42	LB136305
	Manganese	484	510	95	430	584	06/26/2025	17:42	LB136305
	Nickel	947	950	100	810	1100	06/26/2025	17:42	LB136305
	Potassium	4.86			0	0	06/26/2025	17:42	LB136305
	Selenium	52.3	46.0	114	26	66	06/26/2025	17:42	LB136305
	Silver	211	200	106	170	232	06/26/2025	17:42	LB136305
	Sodium	163			0	0	06/26/2025	17:42	LB136305
	Thallium	95.2	110	86	68	148	06/26/2025	17:42	LB136305
	Vanadium	470	490	96	417	565	06/26/2025	17:42	LB136305
	Zinc	1010	950	106	809	1095	06/26/2025	17:42	LB136305

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Lockwood, Kessler & Bartlett, Inc. **level:** low **sdg no.:** Q2344

contract: LOCK01 **lab code:** CHEM **case no.:** Q2344 **sas no.:** Q2344

matrix: Water **sample id:** Q2344-07 **client id:** MW-2MS

Percent Solids for Sample: NA **Spiked ID:** Q2344-07MS **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	414		5.08	J	400	102		P
Arsenic	ug/L	75 - 125	427		10.0	U	400	107		P
Barium	ug/L	75 - 125	264		166		100	98		P
Beryllium	ug/L	75 - 125	86.5		3.00	U	100	86		P
Cadmium	ug/L	75 - 125	106		3.00	U	100	106		P
Chromium	ug/L	75 - 125	210		4.01	J	200	103		P
Cobalt	ug/L	75 - 125	118		12.6	J	100	105		P
Copper	ug/L	75 - 125	147		28.2		150	79		P
Iron	ug/L	75 - 125	7150		5700		1500	97		P
Lead	ug/L	75 - 125	513		9.67		500	101		P
Manganese	ug/L	75 - 125	938		849		100	88		P
Nickel	ug/L	75 - 125	287		26.2		250	104		P
Potassium	ug/L	75 - 125	28100		23200		5000	97		P
Selenium	ug/L	75 - 125	986		10.0	U	1000	99		P
Silver	ug/L	75 - 125	37.0		5.00	U	37.5	99		P
Sodium	ug/L	75 - 125	199000		201000		1500	-150		P
Thallium	ug/L	75 - 125	1010		3.38	J	1000	100		P
Vanadium	ug/L	75 - 125	150		20.0	U	150	100		P
Zinc	ug/L	75 - 125	203		95.0		100	108		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Lockwood, Kessler & Bartlett, Inc. **level:** low **sdg no.:** Q2344

contract: LOCK01 **lab code:** CHEM **case no.:** Q2344 **sas no.:** Q2344

matrix: Water **sample id:** Q2344-07 **client id:** MW-2MSD

Percent Solids for Sample: NA **Spiked ID:** Q2344-07MSD **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	419		5.08	J	400	103		P
Arsenic	ug/L	75 - 125	429		10.0	U	400	107		P
Barium	ug/L	75 - 125	262		166		100	96		P
Beryllium	ug/L	75 - 125	101		3.00	U	100	101		P
Cadmium	ug/L	75 - 125	107		3.00	U	100	107		P
Chromium	ug/L	75 - 125	207		4.01	J	200	101		P
Cobalt	ug/L	75 - 125	118		12.6	J	100	106		P
Copper	ug/L	75 - 125	174		28.2		150	97		P
Iron	ug/L	75 - 125	7090		5700		1500	93		P
Lead	ug/L	75 - 125	517		9.67		500	102		P
Manganese	ug/L	75 - 125	932		849		100	83		P
Nickel	ug/L	75 - 125	291		26.2		250	106		P
Potassium	ug/L	75 - 125	28100		23200		5000	97		P
Selenium	ug/L	75 - 125	997		10.0	U	1000	100		P
Silver	ug/L	75 - 125	36.1		5.00	U	37.5	96		P
Sodium	ug/L	75 - 125	196000		201000		1500	-334		P
Thallium	ug/L	75 - 125	1020		3.38	J	1000	101		P
Vanadium	ug/L	75 - 125	152		20.0	U	150	101		P
Zinc	ug/L	75 - 125	195		95.0		100	100		P

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

Metals
- 5b -

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **Level:** LOW **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Matrix: Water **Sample ID:** Q2344-07 **Client ID:** MW-2DUP

Percent Solids for Sample: NA **Duplicate ID** Q2344-07DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	5.08	J	3.86	J	27		P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	166		162		2		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	0.26	J	200.0		P
Chromium	ug/L	20	4.01	J	4.25	J	6		P
Cobalt	ug/L	20	12.6	J	12.5	J	1		P
Copper	ug/L	20	28.2		27.4		3		P
Iron	ug/L	20	5700		5540		3		P
Lead	ug/L	20	9.67		9.89		2		P
Manganese	ug/L	20	849		830		2		P
Nickel	ug/L	20	26.2		25.6		2		P
Potassium	ug/L	20	23200		22800		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	201000		199000		1		P
Thallium	ug/L	20	3.38	J	3.17	J	6		P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	95.0		93.2		2		P

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

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **Level:** LOW **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Matrix: Water **Sample ID:** Q2344-07MS **Client ID:** MW-2MSD

Percent Solids for Sample: NA **Duplicate ID** Q2344-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	414		419		1		P
Arsenic	ug/L	20	427		429		0		P
Barium	ug/L	20	264		262		1		P
Beryllium	ug/L	20	86.5		101		15		P
Cadmium	ug/L	20	106		107		1		P
Chromium	ug/L	20	210		207		1		P
Cobalt	ug/L	20	118		118		0		P
Copper	ug/L	20	147		174		17		P
Iron	ug/L	20	7150		7090		1		P
Lead	ug/L	20	513		517		1		P
Manganese	ug/L	20	938		932		1		P
Nickel	ug/L	20	287		291		1		P
Potassium	ug/L	20	28100		28100		0		P
Selenium	ug/L	20	986		997		1		P
Silver	ug/L	20	37.0		36.1		2		P
Sodium	ug/L	20	199000		196000		2		P
Thallium	ug/L	20	1010		1020		1		P
Vanadium	ug/L	20	150		152		1		P
Zinc	ug/L	20	203		195		4		P

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

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

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168551BS							
Antimony	ug/L	400	400		100	80 - 120	P
Arsenic	ug/L	400	361		90	80 - 120	P
Barium	ug/L	100	99.9		100	80 - 120	P
Beryllium	ug/L	100	99.8		100	80 - 120	P
Cadmium	ug/L	100	93.2		93	80 - 120	P
Chromium	ug/L	200	199		100	80 - 120	P
Cobalt	ug/L	100	95.3		95	80 - 120	P
Copper	ug/L	150	155		103	80 - 120	P
Iron	ug/L	1500	1500		100	80 - 120	P
Lead	ug/L	500	465		93	80 - 120	P
Manganese	ug/L	100	103		103	80 - 120	P
Nickel	ug/L	250	238		95	80 - 120	P
Potassium	ug/L	5000	4340		87	80 - 120	P
Selenium	ug/L	1000	962		96	80 - 120	P
Silver	ug/L	37.5	34.7		92	80 - 120	P
Sodium	ug/L	1500	1430		95	80 - 120	P
Thallium	ug/L	1000	986		99	80 - 120	P
Vanadium	ug/L	150	146		97	80 - 120	P
Zinc	ug/L	100	103		103	80 - 120	P

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

MW-2L

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

Lab Code: CHEM **Lb No.:** lb136236 **Lab Sample ID :** Q2344-07L **SDG No.:** Q2344

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	5.08	J	125	U	100.0		P
Arsenic	10.0	U	50.0	U			P
Barium	166		165	J	1		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Chromium	4.01	J	25.0	U	100.0		P
Cobalt	12.6	J	35.3	J	179		P
Copper	28.2		32.7	J	16		P
Iron	5700		5690		0		P
Lead	9.67		17.6	J	82		P
Manganese	849		862		2		P
Nickel	26.2		25.0	J	5		P
Potassium	23200		20300		13		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	201000		231000		15		P
Thallium	3.38	J	100	U	100.0		P
Vanadium	20.0	U	100	U			P
Zinc	95.0		90.9	J	4		P

METAL PREPARATION & INSTRUMENT DATA

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	-0.0000720	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	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	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	0.0000000	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	0.0000000	0.0000000	0.0000000	0.0000000

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	0.0000000
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	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	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	0.0000000	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	0.0000000	0.0000000	0.0000000	0.0000000

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0001020
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	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	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	0.0000000	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	0.0000000	0.0000000	0.0000000	0.0000000

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	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	0.0000000	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	0.0000000	0.0000000	0.0000000	0.0000000

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Contract: LOCK01 **Lab Code:** CHEM **Case No.:** Q2344 **SAS No.:** Q2344

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	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	-0.0004810
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	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	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	0.0000000	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	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

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

Case No.: Q2344 **SAS No.:** Q2344

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168551**						
PB168551BL	PB168551BL	MB	WATER	06/19/2025	50.0	25.0	
PB168551BS	PB168551BS	LCS	WATER	06/19/2025	50.0	25.0	
Q2344-01	MW-1	SAM	WATER	06/19/2025	50.0	25.0	
Q2344-02	MW-1	SAM	WATER	06/19/2025	50.0	25.0	
Q2344-03	MW-3	SAM	WATER	06/19/2025	50.0	25.0	
Q2344-04	MW-3	SAM	WATER	06/19/2025	50.0	25.0	
Q2344-05	MW-4	SAM	WATER	06/19/2025	50.0	25.0	
Q2344-06	MW-4	SAM	WATER	06/19/2025	50.0	25.0	
Q2344-07	MW-2	SAM	WATER	06/19/2025	50.0	25.0	
Q2344-07DUP	MW-2DUP	DUP	WATER	06/19/2025	50.0	25.0	
Q2344-07MS	MW-2MS	MS	WATER	06/19/2025	50.0	25.0	
Q2344-07MSD	MW-2MSD	MSD	WATER	06/19/2025	50.0	25.0	
Q2344-08	MW-2	SAM	WATER	06/19/2025	50.0	25.0	

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

metals
- 14 -
ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q2344 **Sas no.:** Q2344 **Sdg no.:** Q2344

Instrument id number: **Method:** **Run number:** LB136236

Start date: 06/23/2025 **End date:** 06/23/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1153	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1158	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1202	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1207	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1211	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1215	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1234	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1309	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1319	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1323	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1334	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1343	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1356	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1405	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1454	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1458	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1547	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1552	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1651	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1656	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1745	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1749	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-01	MW-1	1	1816	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-02	MW-1	1	1820	Fe,Mn
Q2344-03	MW-3	1	1825	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-04	MW-3	1	1830	Fe,Mn
Q2344-05	MW-4	1	1834	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1839	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1843	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-06	MW-4	1	1848	Fe,Mn
Q2344-07	MW-2	1	1852	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-07DUP	MW-2DUP	1	1857	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-07L	MW-2L	5	1902	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-07MS	MW-2MS	1	1906	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-07MSD	MW-2MSD	1	1910	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2344-08	MW-2	1	1919	Fe,Mn
CCV07	CCV07	1	1924	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1928	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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

metals
- 14 -
ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q2344 **Sas no.:** Q2344 **Sdg no.:** Q2344

Instrument id number: **Method:** **Run number:** LB136305

Start date: 06/26/2025 **End date:** 06/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1641	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1645	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1650	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1654	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1658	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1703	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1707	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1719	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1723	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1728	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1737	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1742	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1755	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1759	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168551BL	PB168551BL	1	1813	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168551BS	PB168551BS	1	1817	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1848	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1852	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1927	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1931	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	2002	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	2007	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	2046	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2051	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2139	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2143	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	2231	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2235	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2249	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2253	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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

LAB CHRONICLE

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

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

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

LAB CHRONICLE

			Alkalinity	SM2320 B		06/19/25 12:49	
			Ammonia	SM4500-NH3	06/23/25	06/24/25 09:50	
			Anions Group1	300.0		06/17/25 17:47	
			BOD5	SM5210 B		06/18/25 09:25	
			pH	SM 4500-H B		06/18/25 10:55	
			TDS	SM2540 C		06/17/25 17:20	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11	06/23/25	06/24/25 12:47	
			Total Nitrogen	Cal		06/24/25 12:47	
			TSS	SM2540 D		06/18/25 18:00	
			Turbidity	SM2130 B		06/18/25 09:23	
Q2344-03DL	**MW-3DL**	**WATER**			**06/16/25 10:30**		**06/17/25**
			Anions Group1	300.0		06/18/25 12:20	
Q2344-03DL2	**MW-3DL2**	**WATER**			**06/16/25 10:30**		**06/17/25**
			Anions Group1	300.0		06/18/25 12:41	
Q2344-05	**MW-4**	**WATER**			**06/16/25 11:00**		**06/17/25**
			Alkalinity	SM2320 B		06/19/25 12:55	
			Ammonia	SM4500-NH3	06/23/25	06/24/25 09:51	
			Anions Group1	300.0		06/17/25 18:08	

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

LAB CHRONICLE

			BOD5	SM5210 B			06/18/25 09:25
			pH	SM 4500-H B			06/18/25 11:00
			TDS	SM2540 C			06/17/25 17:20
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		06/23/25	06/24/25 12:47
			Total Nitrogen	Cal			06/24/25 12:47
			TSS	SM2540 D			06/18/25 18:00
			Turbidity	SM2130 B			06/18/25 09:26
Q2344-05DL	**MW-4DL**	**WATER**			**06/16/25 11:00**		**06/17/25**
			Anions Group1	300.0			06/18/25 13:03
Q2344-05DL2	**MW-4DL2**	**WATER**			**06/16/25 11:00**		**06/17/25**
			Anions Group1	300.0			06/18/25 13:24
Q2344-07	**MW-2**	**WATER**			**06/16/25 12:00**		**06/17/25**
			Alkalinity	SM2320 B			06/19/25 13:02
			Ammonia	SM4500-NH3		06/23/25	06/24/25 10:01
			Anions Group1	300.0			06/17/25 18:30
			BOD5	SM5210 B			06/18/25 09:25
			pH	SM 4500-H B			06/18/25 11:10
			TDS	SM2540 C			06/17/25 17:20

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

LAB CHRONICLE

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

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

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

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

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

Comments:

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

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

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

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

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

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

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

Comments:

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

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

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

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = 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:	06/16/25 11:00
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4	SDG No.:	Q2344
Lab Sample ID:	Q2344-05	Matrix:	WATER
		% Solid:	0

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

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

U = Not Detected
LOQ = Limit of Quantitation
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
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:	06/16/25 11:00
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4DL	SDG No.:	Q2344
Lab Sample ID:	Q2344-05DL	Matrix:	WATER
		% Solid:	0

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
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:	06/16/25 11:00
Project:	Ansonia Landfill 2025	Date Received:	06/17/25
Client Sample ID:	MW-4DL2	SDG No.:	Q2344
Lab Sample ID:	Q2344-05DL2	Matrix:	WATER
		% Solid:	0

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

Comments:

U = Not Detected
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

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

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

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

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

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

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

Comments:

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

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

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Project: Ansonia Landfill 2025 **RunNo.:** LB136185

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

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

Initial and Continuing Calibration Verification

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**RunNo.:**	LB136188

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

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

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Project: Ansonia Landfill 2025 **RunNo.:** LB136191

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

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

Initial and Continuing Calibration Verification

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**RunNo.:**	LB136242

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

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

Initial and Continuing Calibration Verification

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**RunNo.:**	LB136244

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

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

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Project: Ansonia Landfill 2025 **RunNo.:** LB136188

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

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

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Project: Ansonia Landfill 2025 **RunNo.:** LB136191

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

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

Initial and Continuing Calibration Blank Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**RunNo.:**	LB136242

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

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

Initial and Continuing Calibration Blank Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**RunNo.:**	LB136244

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

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

Preparation Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q2344

Project: Ansonia Landfill 2025

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

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

Matrix Spike Summary

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

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

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

Matrix Spike Summary

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

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

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

Matrix Spike Summary

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

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

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

Matrix Spike Summary

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

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

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

Duplicate Sample Summary

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

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

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

Duplicate Sample Summary

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

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

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

Duplicate Sample Summary

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

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

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

Duplicate Sample Summary

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

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

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

Duplicate Sample Summary

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

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

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

Duplicate Sample Summary

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

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

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

Duplicate Sample Summary

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

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

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

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**Run No.:**	LB136184

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

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

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**Run No.:**	LB136186

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

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

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**Run No.:**	LB136191

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

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

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**Run No.:**	LB136191

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

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

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**Run No.:**	LB136202

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

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

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**Run No.:**	LB136205

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

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

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**Run No.:**	LB136242

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

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

Laboratory Control Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	**SDG No.:**	Q2344
Project:	Ansonia Landfill 2025	**Run No.:**	LB136244

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

SHIPPING DOCUMENTS

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

ALLIANCE PROJECT NO. Q2344
QUOTE NO. Bottle # B2506013
COC Number 2046517

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: LKB ENGINEERING, PLLC.
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@LKB-ENGINEERING.COM
PHONE: SAME FAX:

CLIENT BILLING INFORMATION

BILL TO: LKB ENGINEERING, PLLC. PO#: N/A 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

1 VOC's SEE BOTTLE ORDER # B2506013 2 3. 4 5 6 7 8 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A/E	PRESERVATIVES E+OTHER AS APPROPRIATE 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-1	GW		X	6/16/25	9:30A	10		X									SAMPLES FOR
2.	MW-3			X		10:30A	10		X									DISS. Fe + Mn
3.	MW-4			X		11:00A	10		X									FILTERED IN
4.	MW-2	↓		X		12:00P	10		X									FIELD.
5.	TRIP-BLANK	DI		X	↓		2	X										
6.																		
7.																		
8.																		
9.																		
10.																		

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6-17-25 1147	1. 6-17-25 1147
2.	DATE/TIME:	2.
3.	6-17-25 1608	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.6 °C
Comments: _____

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2344 LOCK01
Client Name : Lockwood, Kessler & Bartl
Client Contact : John Gerlach
Invoice Name : Lockwood, Kessler & Bartl
Invoice Contact : John Gerlach

Order Date : 6/17/2025 11:52:00 AM
Project Name : Ansonia Landfill 2025
Receive DateTime : 6/17/2025 ~~12:00:00 AM~~ 16:05 LA
Purchase Order :

Project Mgr :
Report Type : ~~NYS ASP B~~ Level 2 dP
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2344-01	MW-1	Water	16 JN 06/17/2025	09:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2344-03	MW-3	Water	16 JN 06/17/2025	10:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2344-05	MW-4	Water	16 JN 06/17/2025	11:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2344-07	MW-2	Water	16 JN 06/17/2025	12:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2344-09	TRIP-BLANK	Water	16 JN 06/17/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinguished By : JP
Date / Time : 6/18/25 9:30

Received By : Sam
Date / Time : 06/18/25 9:30 Ngt 4

Storage Area : VOA Refridgerator Room