

LAB CHRONICLE

OrderID:	Q3254	OrderDate:	9/30/2025 12:37:00 PM
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
Q3254-01	MW-1	Water	Metals Group4	6010D	09/29/25	10/01/25	10/02/25	09/30/25
Q3254-02	MW-1	Water	Dissolved Metals Group5	6010D	09/29/25	10/01/25	10/02/25	09/30/25
Q3254-03	MW-2	Water	Metals Group4	6010D	09/29/25	10/01/25	10/02/25	09/30/25
Q3254-04	MW-2	Water	Dissolved Metals Group5	6010D	09/29/25	10/01/25	10/02/25	09/30/25
Q3254-05	MW-3	Water	Metals Group4	6010D	09/29/25	10/01/25	10/02/25	09/30/25
Q3254-06	MW-3	Water	Dissolved Metals Group5	6010D	09/29/25	10/01/25	10/02/25	09/30/25
Q3254-07	MW-4	Water	Metals Group4	6010D	09/29/25	10/01/25	10/02/25	09/30/25
Q3254-08	MW-4	Water	Dissolved Metals Group5	6010D	09/29/25	10/01/25	10/02/25	09/30/25

Hit Summary Sheet SW-846

SDG No.: Q3254 **Order ID:** Q3254
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								
Q3254-01	MW-1	Water	Antimony	4.47	J	3.38	25.0	ug/L
Q3254-01	MW-1	Water	Barium	76.7		7.28	50.0	ug/L
Q3254-01	MW-1	Water	Cadmium	1.37	J	0.25	3.00	ug/L
Q3254-01	MW-1	Water	Nickel	3.83	J	1.53	20.0	ug/L
Q3254-01	MW-1	Water	Potassium	3730		459	1000	ug/L
Q3254-01	MW-1	Water	Selenium	4.83	J	4.82	10.0	ug/L
Q3254-01	MW-1	Water	Sodium	45500		434	1000	ug/L
Q3254-01	MW-1	Water	Thallium	5.29	J	2.19	20.0	ug/L
Q3254-01	MW-1	Water	Zinc	133		8.33	20.0	ug/L
Client ID : MW-1								
Q3254-02	MW-1	Water	Iron	18.9	J	11.7	50.0	ug/L
Q3254-02	MW-1	Water	Manganese	55.6		2.97	10.0	ug/L
Client ID : MW-2								
Q3254-03	MW-2	Water	Barium	161		7.28	50.0	ug/L
Q3254-03	MW-2	Water	Beryllium	0.40	J	0.28	3.00	ug/L
Q3254-03	MW-2	Water	Chromium	1.99	J	1.06	5.00	ug/L
Q3254-03	MW-2	Water	Cobalt	1.37	J	1.13	15.0	ug/L
Q3254-03	MW-2	Water	Copper	9.25	J	2.30	10.0	ug/L
Q3254-03	MW-2	Water	Lead	3.76	J	1.15	6.00	ug/L
Q3254-03	MW-2	Water	Nickel	19.3	J	1.53	20.0	ug/L
Q3254-03	MW-2	Water	Potassium	20900		459	1000	ug/L
Q3254-03	MW-2	Water	Sodium	225000		434	1000	ug/L
Q3254-03	MW-2	Water	Thallium	5.84	J	2.19	20.0	ug/L
Q3254-03	MW-2	Water	Zinc	63.7		8.33	20.0	ug/L
Client ID : MW-2								
Q3254-04	MW-2	Water	Iron	10000		11.7	50.0	ug/L
Q3254-04	MW-2	Water	Manganese	1160		2.97	10.0	ug/L
Client ID : MW-3								
Q3254-05	MW-3	Water	Barium	145		7.28	50.0	ug/L
Q3254-05	MW-3	Water	Chromium	1.41	J	1.06	5.00	ug/L
Q3254-05	MW-3	Water	Cobalt	1.24	J	1.13	15.0	ug/L
Q3254-05	MW-3	Water	Lead	1.49	J	1.15	6.00	ug/L
Q3254-05	MW-3	Water	Nickel	2.14	J	1.53	20.0	ug/L
Q3254-05	MW-3	Water	Potassium	14400		459	1000	ug/L
Q3254-05	MW-3	Water	Sodium	137000		434	1000	ug/L

Hit Summary Sheet
SW-846

SDG No.:	Q3254	Order ID:	Q3254
Client:	Lockwood, Kessler & Bartlett, Inc.	Project ID:	Ansonia Landfill 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3254-05	MW-3	Water	Thallium	7.19	J	2.19	20.0	ug/L
Q3254-05	MW-3	Water	Zinc	21.2		8.33	20.0	ug/L
Client ID : MW-3								
Q3254-06	MW-3	Water	Iron	2020		11.7	50.0	ug/L
Q3254-06	MW-3	Water	Manganese	499		2.97	10.0	ug/L
Client ID : MW-4								
Q3254-07	MW-4	Water	Barium	165		7.28	50.0	ug/L
Q3254-07	MW-4	Water	Beryllium	0.44	J	0.28	3.00	ug/L
Q3254-07	MW-4	Water	Chromium	1.87	J	1.06	5.00	ug/L
Q3254-07	MW-4	Water	Cobalt	1.37	J	1.13	15.0	ug/L
Q3254-07	MW-4	Water	Copper	10.5		2.30	10.0	ug/L
Q3254-07	MW-4	Water	Lead	3.57	J	1.15	6.00	ug/L
Q3254-07	MW-4	Water	Nickel	20.0		1.53	20.0	ug/L
Q3254-07	MW-4	Water	Potassium	22200		459	1000	ug/L
Q3254-07	MW-4	Water	Sodium	230000		434	1000	ug/L
Q3254-07	MW-4	Water	Thallium	8.73	J	2.19	20.0	ug/L
Q3254-07	MW-4	Water	Vanadium	4.16	J	3.13	20.0	ug/L
Q3254-07	MW-4	Water	Zinc	67.6		8.33	20.0	ug/L
Client ID : MW-4								
Q3254-08	MW-4	Water	Iron	9590		11.7	50.0	ug/L
Q3254-08	MW-4	Water	Manganese	1210		2.97	10.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/29/25
Project:	Ansonia Landfill 2025	Date Received:	09/30/25
Client Sample ID:	MW-1	SDG No.:	Q3254
Lab Sample ID:	Q3254-01	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	4.47	J	1	3.38	25.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-38-2	Arsenic	10.0	U	1	2.56	10.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-39-3	Barium	76.7		1	7.28	50.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-41-7	Beryllium	3.00	U	1	0.28	3.00	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-43-9	Cadmium	1.37	J	1	0.25	3.00	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-47-3	Chromium	5.00	U	1	1.06	5.00	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-48-4	Cobalt	15.0	U	1	1.13	15.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-50-8	Copper	10.0	U	1	2.30	10.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7439-92-1	Lead	6.00	U	1	1.15	6.00	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-02-0	Nickel	3.83	J	1	1.53	20.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-09-7	Potassium	3730		1	459	1000	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7782-49-2	Selenium	4.83	J	1	4.82	10.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-22-4	Silver	5.00	U	1	0.81	5.00	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-23-5	Sodium	45500		1	434	1000	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-28-0	Thallium	5.29	J	1	2.19	20.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-62-2	Vanadium	20.0	U	1	3.13	20.0	ug/L	10/01/25 10:45	10/02/25 14:34	6010D	SW3010
7440-66-6	Zinc	133		1	8.33	20.0	ug/L	10/01/25 10:45	10/02/25 14:34	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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/29/25
Project:	Ansonia Landfill 2025	Date Received:	09/30/25
Client Sample ID:	MW-1	SDG No.:	Q3254
Lab Sample ID:	Q3254-02	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	18.9	J	1	11.7	50.0	ug/L	10/01/25 10:45	10/02/25 14:38	6010D	SW3010
7439-96-5	Manganese	55.6		1	2.97	10.0	ug/L	10/01/25 10:45	10/02/25 14:38	6010D	SW3010

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

U = Not Detected
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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/29/25
Project:	Ansonia Landfill 2025	Date Received:	09/30/25
Client Sample ID:	MW-2	SDG No.:	Q3254
Lab Sample ID:	Q3254-03	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	25.0	U	1	3.38	25.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-38-2	Arsenic	10.0	U	1	2.56	10.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-39-3	Barium	161		1	7.28	50.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-41-7	Beryllium	0.40	J	1	0.28	3.00	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-43-9	Cadmium	3.00	U	1	0.25	3.00	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-47-3	Chromium	1.99	J	1	1.06	5.00	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-48-4	Cobalt	1.37	J	1	1.13	15.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-50-8	Copper	9.25	J	1	2.30	10.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7439-92-1	Lead	3.76	J	1	1.15	6.00	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-02-0	Nickel	19.3	J	1	1.53	20.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-09-7	Potassium	20900		1	459	1000	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7782-49-2	Selenium	10.0	U	1	4.82	10.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-22-4	Silver	5.00	U	1	0.81	5.00	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-23-5	Sodium	225000		1	434	1000	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-28-0	Thallium	5.84	J	1	2.19	20.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-62-2	Vanadium	20.0	U	1	3.13	20.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010
7440-66-6	Zinc	63.7		1	8.33	20.0	ug/L	10/01/25 10:45	10/02/25 14:43	6010D	SW3010

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

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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/29/25
Project:	Ansonia Landfill 2025	Date Received:	09/30/25
Client Sample ID:	MW-2	SDG No.:	Q3254
Lab Sample ID:	Q3254-04	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	10000	1	11.7		50.0	ug/L	10/01/25 10:45	10/02/25 14:57	6010D	SW3010
7439-96-5	Manganese	1160	1	2.97		10.0	ug/L	10/01/25 10:45	10/02/25 14:57	6010D	SW3010

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

U = Not Detected
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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/29/25
Project:	Ansonia Landfill 2025	Date Received:	09/30/25
Client Sample ID:	MW-3	SDG No.:	Q3254
Lab Sample ID:	Q3254-05	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	25.0	U	1	3.38	25.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-38-2	Arsenic	10.0	U	1	2.56	10.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-39-3	Barium	145		1	7.28	50.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-41-7	Beryllium	3.00	U	1	0.28	3.00	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-43-9	Cadmium	3.00	U	1	0.25	3.00	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-47-3	Chromium	1.41	J	1	1.06	5.00	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-48-4	Cobalt	1.24	J	1	1.13	15.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-50-8	Copper	10.0	U	1	2.30	10.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7439-92-1	Lead	1.49	J	1	1.15	6.00	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-02-0	Nickel	2.14	J	1	1.53	20.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-09-7	Potassium	14400		1	459	1000	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7782-49-2	Selenium	10.0	U	1	4.82	10.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-22-4	Silver	5.00	U	1	0.81	5.00	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-23-5	Sodium	137000		1	434	1000	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-28-0	Thallium	7.19	J	1	2.19	20.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-62-2	Vanadium	20.0	U	1	3.13	20.0	ug/L	10/01/25 10:45	10/02/25 15:01	6010D	SW3010
7440-66-6	Zinc	21.2		1	8.33	20.0	ug/L	10/01/25 10:45	10/02/25 15:01	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
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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/29/25
Project:	Ansonia Landfill 2025	Date Received:	09/30/25
Client Sample ID:	MW-3	SDG No.:	Q3254
Lab Sample ID:	Q3254-06	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	2020	1	11.7		50.0	ug/L	10/01/25 10:45	10/02/25 15:05	6010D	SW3010
7439-96-5	Manganese	499	1	2.97		10.0	ug/L	10/01/25 10:45	10/02/25 15:05	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
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Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/29/25
Project:	Ansonia Landfill 2025	Date Received:	09/30/25
Client Sample ID:	MW-4	SDG No.:	Q3254
Lab Sample ID:	Q3254-07	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	25.0	U	1	3.38	25.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-38-2	Arsenic	10.0	U	1	2.56	10.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-39-3	Barium	165		1	7.28	50.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-41-7	Beryllium	0.44	J	1	0.28	3.00	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-43-9	Cadmium	3.00	U	1	0.25	3.00	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-47-3	Chromium	1.87	J	1	1.06	5.00	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-48-4	Cobalt	1.37	J	1	1.13	15.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-50-8	Copper	10.5		1	2.30	10.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7439-92-1	Lead	3.57	J	1	1.15	6.00	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-02-0	Nickel	20.0		1	1.53	20.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-09-7	Potassium	22200		1	459	1000	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7782-49-2	Selenium	10.0	U	1	4.82	10.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-22-4	Silver	5.00	U	1	0.81	5.00	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-23-5	Sodium	230000		1	434	1000	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-28-0	Thallium	8.73	J	1	2.19	20.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-62-2	Vanadium	4.16	J	1	3.13	20.0	ug/L	10/01/25 10:45	10/02/25 15:09	6010D	SW3010
7440-66-6	Zinc	67.6		1	8.33	20.0	ug/L	10/01/25 10:45	10/02/25 15:09	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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/29/25
Project:	Ansonia Landfill 2025	Date Received:	09/30/25
Client Sample ID:	MW-4	SDG No.:	Q3254
Lab Sample ID:	Q3254-08	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	9590	1	11.7		50.0	ug/L	10/01/25 10:45	10/02/25 15:34	6010D	SW3010
7439-96-5	Manganese	1210	1	2.97		10.0	ug/L	10/01/25 10:45	10/02/25 15:34	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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	4080	4000	102	90 - 110	P	10/02/2025	11:07	LB137406
	Arsenic	4010	4000	100	90 - 110	P	10/02/2025	11:07	LB137406
	Barium	7650	8000	96	90 - 110	P	10/02/2025	11:07	LB137406
	Beryllium	201	200	101	90 - 110	P	10/02/2025	11:07	LB137406
	Cadmium	1970	2000	99	90 - 110	P	10/02/2025	11:07	LB137406
	Chromium	824	800	103	90 - 110	P	10/02/2025	11:07	LB137406
	Cobalt	1970	2000	99	90 - 110	P	10/02/2025	11:07	LB137406
	Copper	1010	1000	101	90 - 110	P	10/02/2025	11:07	LB137406
	Iron	3990	4000	100	90 - 110	P	10/02/2025	11:07	LB137406
	Lead	3870	4000	97	90 - 110	P	10/02/2025	11:07	LB137406
	Manganese	1940	2000	97	90 - 110	P	10/02/2025	11:07	LB137406
	Nickel	1980	2000	99	90 - 110	P	10/02/2025	11:07	LB137406
	Potassium	19600	20000	98	90 - 110	P	10/02/2025	11:07	LB137406
	Selenium	4040	4000	101	90 - 110	P	10/02/2025	11:07	LB137406
	Silver	987	1000	99	90 - 110	P	10/02/2025	11:07	LB137406
	Sodium	19000	20000	95	90 - 110	P	10/02/2025	11:07	LB137406
	Thallium	3980	4000	100	90 - 110	P	10/02/2025	11:07	LB137406
	Vanadium	1960	2000	98	90 - 110	P	10/02/2025	11:07	LB137406
	Zinc	2010	2000	100	90 - 110	P	10/02/2025	11:07	LB137406

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	52.3	50.0	104	80 - 120	P	10/02/2025	11:11	LB137406
	Arsenic	21.7	20.0	108	80 - 120	P	10/02/2025	11:11	LB137406
	Barium	113	100	113	80 - 120	P	10/02/2025	11:11	LB137406
	Beryllium	6.80	6.0	113	80 - 120	P	10/02/2025	11:11	LB137406
	Cadmium	6.03	6.0	100	80 - 120	P	10/02/2025	11:11	LB137406
	Chromium	11.2	10.0	112	80 - 120	P	10/02/2025	11:11	LB137406
	Cobalt	30.1	30.0	100	80 - 120	P	10/02/2025	11:11	LB137406
	Copper	22.2	20.0	111	80 - 120	P	10/02/2025	11:11	LB137406
	Iron	104	100	104	80 - 120	P	10/02/2025	11:11	LB137406
	Lead	13.2	12.0	110	80 - 120	P	10/02/2025	11:11	LB137406
	Manganese	21.5	20.0	108	80 - 120	P	10/02/2025	11:11	LB137406
	Nickel	40.4	40.0	101	80 - 120	P	10/02/2025	11:11	LB137406
	Potassium	1770	2000	88	80 - 120	P	10/02/2025	11:11	LB137406
	Selenium	22.8	20.0	114	80 - 120	P	10/02/2025	11:11	LB137406
	Silver	11.0	10.0	110	80 - 120	P	10/02/2025	11:11	LB137406
	Sodium	1690	2000	84	80 - 120	P	10/02/2025	11:11	LB137406
	Thallium	46.1	40.0	115	80 - 120	P	10/02/2025	11:11	LB137406
	Vanadium	42.2	40.0	106	80 - 120	P	10/02/2025	11:11	LB137406
	Zinc	42.4	40.0	106	80 - 120	P	10/02/2025	11:11	LB137406

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	4950	5000	99	90 - 110	P	10/02/2025	11:58	LB137406
	Arsenic	5100	5000	102	90 - 110	P	10/02/2025	11:58	LB137406
	Barium	9630	10000	96	90 - 110	P	10/02/2025	11:58	LB137406
	Beryllium	267	250	107	90 - 110	P	10/02/2025	11:58	LB137406
	Cadmium	2530	2500	101	90 - 110	P	10/02/2025	11:58	LB137406
	Chromium	1040	1000	104	90 - 110	P	10/02/2025	11:58	LB137406
	Cobalt	2490	2500	100	90 - 110	P	10/02/2025	11:58	LB137406
	Copper	1260	1250	101	90 - 110	P	10/02/2025	11:58	LB137406
	Iron	4740	5000	95	90 - 110	P	10/02/2025	11:58	LB137406
	Lead	5080	5000	102	90 - 110	P	10/02/2025	11:58	LB137406
	Manganese	2440	2500	98	90 - 110	P	10/02/2025	11:58	LB137406
	Nickel	2500	2500	100	90 - 110	P	10/02/2025	11:58	LB137406
	Potassium	23300	25000	93	90 - 110	P	10/02/2025	11:58	LB137406
	Selenium	5120	5000	102	90 - 110	P	10/02/2025	11:58	LB137406
	Silver	1260	1250	101	90 - 110	P	10/02/2025	11:58	LB137406
	Sodium	22800	25000	91	90 - 110	P	10/02/2025	11:58	LB137406
	Thallium	5080	5000	102	90 - 110	P	10/02/2025	11:58	LB137406
	Vanadium	2470	2500	99	90 - 110	P	10/02/2025	11:58	LB137406
	Zinc	2520	2500	101	90 - 110	P	10/02/2025	11:58	LB137406
CCV02	Antimony	4830	5000	97	90 - 110	P	10/02/2025	13:48	LB137406
	Arsenic	5200	5000	104	90 - 110	P	10/02/2025	13:48	LB137406
	Barium	9090	10000	91	90 - 110	P	10/02/2025	13:48	LB137406
	Beryllium	246	250	98	90 - 110	P	10/02/2025	13:48	LB137406
	Cadmium	2570	2500	103	90 - 110	P	10/02/2025	13:48	LB137406
	Chromium	1070	1000	107	90 - 110	P	10/02/2025	13:48	LB137406
	Cobalt	2460	2500	99	90 - 110	P	10/02/2025	13:48	LB137406
	Copper	1260	1250	101	90 - 110	P	10/02/2025	13:48	LB137406
	Iron	5120	5000	102	90 - 110	P	10/02/2025	13:48	LB137406
	Lead	5240	5000	105	90 - 110	P	10/02/2025	13:48	LB137406
	Manganese	2330	2500	93	90 - 110	P	10/02/2025	13:48	LB137406
	Nickel	2490	2500	99	90 - 110	P	10/02/2025	13:48	LB137406
	Potassium	23300	25000	93	90 - 110	P	10/02/2025	13:48	LB137406
	Selenium	5320	5000	106	90 - 110	P	10/02/2025	13:48	LB137406
	Silver	1280	1250	102	90 - 110	P	10/02/2025	13:48	LB137406

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	24800	25000	99	90 - 110	P	10/02/2025	13:48	LB137406
	Thallium	5290	5000	106	90 - 110	P	10/02/2025	13:48	LB137406
	Vanadium	2390	2500	96	90 - 110	P	10/02/2025	13:48	LB137406
	Zinc	2500	2500	100	90 - 110	P	10/02/2025	13:48	LB137406
CCV03	Antimony	4800	5000	96	90 - 110	P	10/02/2025	14:47	LB137406
	Arsenic	5170	5000	104	90 - 110	P	10/02/2025	14:47	LB137406
	Barium	9030	10000	90	90 - 110	P	10/02/2025	14:47	LB137406
	Beryllium	243	250	97	90 - 110	P	10/02/2025	14:47	LB137406
	Cadmium	2560	2500	103	90 - 110	P	10/02/2025	14:47	LB137406
	Chromium	1050	1000	105	90 - 110	P	10/02/2025	14:47	LB137406
	Cobalt	2450	2500	98	90 - 110	P	10/02/2025	14:47	LB137406
	Copper	1250	1250	100	90 - 110	P	10/02/2025	14:47	LB137406
	Iron	5080	5000	102	90 - 110	P	10/02/2025	14:47	LB137406
	Lead	5220	5000	104	90 - 110	P	10/02/2025	14:47	LB137406
	Manganese	2320	2500	93	90 - 110	P	10/02/2025	14:47	LB137406
	Nickel	2470	2500	99	90 - 110	P	10/02/2025	14:47	LB137406
	Potassium	24700	25000	99	90 - 110	P	10/02/2025	14:47	LB137406
	Selenium	5300	5000	106	90 - 110	P	10/02/2025	14:47	LB137406
	Silver	1250	1250	100	90 - 110	P	10/02/2025	14:47	LB137406
	Sodium	24400	25000	98	90 - 110	P	10/02/2025	14:47	LB137406
	Thallium	5300	5000	106	90 - 110	P	10/02/2025	14:47	LB137406
	Vanadium	2360	2500	95	90 - 110	P	10/02/2025	14:47	LB137406
	Zinc	2470	2500	99	90 - 110	P	10/02/2025	14:47	LB137406
CCV04	Antimony	4920	5000	98	90 - 110	P	10/02/2025	15:54	LB137406
	Arsenic	5460	5000	109	90 - 110	P	10/02/2025	15:54	LB137406
	Barium	9070	10000	91	90 - 110	P	10/02/2025	15:54	LB137406
	Beryllium	234	250	93	90 - 110	P	10/02/2025	15:54	LB137406
	Cadmium	2660	2500	106	90 - 110	P	10/02/2025	15:54	LB137406
	Chromium	1070	1000	107	90 - 110	P	10/02/2025	15:54	LB137406
	Cobalt	2480	2500	99	90 - 110	P	10/02/2025	15:54	LB137406
	Copper	1290	1250	103	90 - 110	P	10/02/2025	15:54	LB137406
	Iron	5300	5000	106	90 - 110	P	10/02/2025	15:54	LB137406
	Lead	5270	5000	106	90 - 110	P	10/02/2025	15:54	LB137406
	Manganese	2340	2500	94	90 - 110	P	10/02/2025	15:54	LB137406

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	2520	2500	101	90 - 110	P	10/02/2025	15:54	LB137406
	Potassium	24200	25000	97	90 - 110	P	10/02/2025	15:54	LB137406
	Selenium	4900	5000	98	90 - 110	P	10/02/2025	15:54	LB137406
	Silver	1290	1250	103	90 - 110	P	10/02/2025	15:54	LB137406
	Sodium	23300	25000	93	90 - 110	P	10/02/2025	15:54	LB137406
	Thallium	5170	5000	103	90 - 110	P	10/02/2025	15:54	LB137406
	Vanadium	2400	2500	96	90 - 110	P	10/02/2025	15:54	LB137406
	Zinc	2510	2500	100	90 - 110	P	10/02/2025	15:54	LB137406
CCV05	Antimony	4750	5000	95	90 - 110	P	10/02/2025	17:31	LB137406
	Arsenic	5060	5000	101	90 - 110	P	10/02/2025	17:31	LB137406
	Barium	9160	10000	92	90 - 110	P	10/02/2025	17:31	LB137406
	Beryllium	239	250	96	90 - 110	P	10/02/2025	17:31	LB137406
	Cadmium	2530	2500	101	90 - 110	P	10/02/2025	17:31	LB137406
	Chromium	1020	1000	102	90 - 110	P	10/02/2025	17:31	LB137406
	Cobalt	2430	2500	97	90 - 110	P	10/02/2025	17:31	LB137406
	Copper	1240	1250	99	90 - 110	P	10/02/2025	17:31	LB137406
	Iron	5480	5000	110	90 - 110	P	10/02/2025	17:31	LB137406
	Lead	5140	5000	103	90 - 110	P	10/02/2025	17:31	LB137406
	Manganese	2350	2500	94	90 - 110	P	10/02/2025	17:31	LB137406
	Nickel	2450	2500	98	90 - 110	P	10/02/2025	17:31	LB137406
	Potassium	22500	25000	90	90 - 110	P	10/02/2025	17:31	LB137406
	Selenium	5150	5000	103	90 - 110	P	10/02/2025	17:31	LB137406
	Silver	1230	1250	99	90 - 110	P	10/02/2025	17:31	LB137406
	Sodium	26000	25000	104	90 - 110	P	10/02/2025	17:31	LB137406
	Thallium	4690	5000	94	90 - 110	P	10/02/2025	17:31	LB137406
	Vanadium	2370	2500	95	90 - 110	P	10/02/2025	17:31	LB137406
	Zinc	2430	2500	97	90 - 110	P	10/02/2025	17:31	LB137406
CCV06	Antimony	4830	5000	96	90 - 110	P	10/02/2025	18:17	LB137406
	Arsenic	5210	5000	104	90 - 110	P	10/02/2025	18:17	LB137406
	Barium	9140	10000	91	90 - 110	P	10/02/2025	18:17	LB137406
	Beryllium	252	250	101	90 - 110	P	10/02/2025	18:17	LB137406
	Cadmium	2590	2500	104	90 - 110	P	10/02/2025	18:17	LB137406
	Chromium	1040	1000	104	90 - 110	P	10/02/2025	18:17	LB137406
	Cobalt	2460	2500	98	90 - 110	P	10/02/2025	18:17	LB137406

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	101	90 - 110	P	10/02/2025	18:17	LB137406
	Iron	5380	5000	108	90 - 110	P	10/02/2025	18:17	LB137406
	Lead	5290	5000	106	90 - 110	P	10/02/2025	18:17	LB137406
	Manganese	2360	2500	94	90 - 110	P	10/02/2025	18:17	LB137406
	Nickel	2490	2500	100	90 - 110	P	10/02/2025	18:17	LB137406
	Potassium	24700	25000	99	90 - 110	P	10/02/2025	18:17	LB137406
	Selenium	5010	5000	100	90 - 110	P	10/02/2025	18:17	LB137406
	Silver	1250	1250	100	90 - 110	P	10/02/2025	18:17	LB137406
	Sodium	26000	25000	104	90 - 110	P	10/02/2025	18:17	LB137406
	Thallium	4730	5000	94	90 - 110	P	10/02/2025	18:17	LB137406
	Vanadium	2370	2500	95	90 - 110	P	10/02/2025	18:17	LB137406
	Zinc	2450	2500	98	90 - 110	P	10/02/2025	18:17	LB137406

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	4030	4000	101	90 - 110	P	10/03/2025	12:18	LB137426
	Arsenic	3940	4000	99	90 - 110	P	10/03/2025	12:18	LB137426
	Barium	7900	8000	99	90 - 110	P	10/03/2025	12:18	LB137426
	Beryllium	199	200	100	90 - 110	P	10/03/2025	12:18	LB137426
	Cadmium	1950	2000	98	90 - 110	P	10/03/2025	12:18	LB137426
	Chromium	799	800	100	90 - 110	P	10/03/2025	12:18	LB137426
	Cobalt	1950	2000	98	90 - 110	P	10/03/2025	12:18	LB137426
	Copper	1010	1000	101	90 - 110	P	10/03/2025	12:18	LB137426
	Iron	3950	4000	99	90 - 110	P	10/03/2025	12:18	LB137426
	Lead	3840	4000	96	90 - 110	P	10/03/2025	12:18	LB137426
	Manganese	1980	2000	99	90 - 110	P	10/03/2025	12:18	LB137426
	Nickel	1960	2000	98	90 - 110	P	10/03/2025	12:18	LB137426
	Potassium	19400	20000	97	90 - 110	P	10/03/2025	12:18	LB137426
	Selenium	3960	4000	99	90 - 110	P	10/03/2025	12:18	LB137426
	Silver	960	1000	96	90 - 110	P	10/03/2025	12:18	LB137426
	Sodium	19300	20000	97	90 - 110	P	10/03/2025	12:18	LB137426
	Thallium	3750	4000	94	90 - 110	P	10/03/2025	12:18	LB137426
	Vanadium	1960	2000	98	90 - 110	P	10/03/2025	12:18	LB137426
	Zinc	1980	2000	99	90 - 110	P	10/03/2025	12:18	LB137426

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	53.8	50.0	108	80 - 120	P	10/03/2025	13:05	LB137426
	Arsenic	22.0	20.0	110	80 - 120	P	10/03/2025	13:05	LB137426
	Barium	99.1	100	99	80 - 120	P	10/03/2025	13:05	LB137426
	Beryllium	6.51	6.0	108	80 - 120	P	10/03/2025	13:05	LB137426
	Cadmium	6.05	6.0	101	80 - 120	P	10/03/2025	13:05	LB137426
	Chromium	10.4	10.0	104	80 - 120	P	10/03/2025	13:05	LB137426
	Cobalt	30.1	30.0	100	80 - 120	P	10/03/2025	13:05	LB137426
	Copper	21.3	20.0	107	80 - 120	P	10/03/2025	13:05	LB137426
	Iron	92.9	100	93	80 - 120	P	10/03/2025	13:05	LB137426
	Lead	12.8	12.0	107	80 - 120	P	10/03/2025	13:05	LB137426
	Manganese	21.2	20.0	106	80 - 120	P	10/03/2025	13:05	LB137426
	Nickel	41.3	40.0	103	80 - 120	P	10/03/2025	13:05	LB137426
	Potassium	1960	2000	98	80 - 120	P	10/03/2025	13:05	LB137426
	Selenium	19.3	20.0	96	80 - 120	P	10/03/2025	13:05	LB137426
	Silver	10.2	10.0	102	80 - 120	P	10/03/2025	13:05	LB137426
	Sodium	1990	2000	100	80 - 120	P	10/03/2025	13:05	LB137426
	Thallium	41.8	40.0	104	80 - 120	P	10/03/2025	13:05	LB137426
	Vanadium	39.2	40.0	98	80 - 120	P	10/03/2025	13:05	LB137426
	Zinc	42.4	40.0	106	80 - 120	P	10/03/2025	13:05	LB137426

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	10/03/2025	13:37	LB137426
	Arsenic	5030	5000	100	90 - 110	P	10/03/2025	13:37	LB137426
	Barium	10000	10000	100	90 - 110	P	10/03/2025	13:37	LB137426
	Beryllium	247	250	99	90 - 110	P	10/03/2025	13:37	LB137426
	Cadmium	2490	2500	100	90 - 110	P	10/03/2025	13:37	LB137426
	Chromium	989	1000	99	90 - 110	P	10/03/2025	13:37	LB137426
	Cobalt	2480	2500	99	90 - 110	P	10/03/2025	13:37	LB137426
	Copper	1260	1250	101	90 - 110	P	10/03/2025	13:37	LB137426
	Iron	4900	5000	98	90 - 110	P	10/03/2025	13:37	LB137426
	Lead	4940	5000	99	90 - 110	P	10/03/2025	13:37	LB137426
	Manganese	2500	2500	100	90 - 110	P	10/03/2025	13:37	LB137426
	Nickel	2490	2500	100	90 - 110	P	10/03/2025	13:37	LB137426
	Potassium	24200	25000	97	90 - 110	P	10/03/2025	13:37	LB137426
	Selenium	5050	5000	101	90 - 110	P	10/03/2025	13:37	LB137426
	Silver	1230	1250	98	90 - 110	P	10/03/2025	13:37	LB137426
	Sodium	24400	25000	97	90 - 110	P	10/03/2025	13:37	LB137426
	Thallium	4650	5000	93	90 - 110	P	10/03/2025	13:37	LB137426
	Vanadium	2480	2500	99	90 - 110	P	10/03/2025	13:37	LB137426
	Zinc	2480	2500	99	90 - 110	P	10/03/2025	13:37	LB137426
CCV02	Antimony	4990	5000	100	90 - 110	P	10/03/2025	15:00	LB137426
	Arsenic	4990	5000	100	90 - 110	P	10/03/2025	15:00	LB137426
	Barium	9880	10000	99	90 - 110	P	10/03/2025	15:00	LB137426
	Beryllium	244	250	98	90 - 110	P	10/03/2025	15:00	LB137426
	Cadmium	2460	2500	98	90 - 110	P	10/03/2025	15:00	LB137426
	Chromium	984	1000	98	90 - 110	P	10/03/2025	15:00	LB137426
	Cobalt	2450	2500	98	90 - 110	P	10/03/2025	15:00	LB137426
	Copper	1240	1250	99	90 - 110	P	10/03/2025	15:00	LB137426
	Iron	4860	5000	97	90 - 110	P	10/03/2025	15:00	LB137426
	Lead	4890	5000	98	90 - 110	P	10/03/2025	15:00	LB137426
	Manganese	2440	2500	98	90 - 110	P	10/03/2025	15:00	LB137426
	Nickel	2450	2500	98	90 - 110	P	10/03/2025	15:00	LB137426
	Potassium	24400	25000	98	90 - 110	P	10/03/2025	15:00	LB137426
	Selenium	5040	5000	101	90 - 110	P	10/03/2025	15:00	LB137426
	Silver	1230	1250	98	90 - 110	P	10/03/2025	15:00	LB137426

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	24300	25000	97	90 - 110	P	10/03/2025	15:00	LB137426
	Thallium	4580	5000	92	90 - 110	P	10/03/2025	15:00	LB137426
	Vanadium	2470	2500	99	90 - 110	P	10/03/2025	15:00	LB137426
	Zinc	2450	2500	98	90 - 110	P	10/03/2025	15:00	LB137426
CCV03	Antimony	5140	5000	103	90 - 110	P	10/03/2025	15:51	LB137426
	Arsenic	5080	5000	102	90 - 110	P	10/03/2025	15:51	LB137426
	Barium	10000	10000	100	90 - 110	P	10/03/2025	15:51	LB137426
	Beryllium	239	250	96	90 - 110	P	10/03/2025	15:51	LB137426
	Cadmium	2440	2500	98	90 - 110	P	10/03/2025	15:51	LB137426
	Chromium	972	1000	97	90 - 110	P	10/03/2025	15:51	LB137426
	Cobalt	2450	2500	98	90 - 110	P	10/03/2025	15:51	LB137426
	Copper	1250	1250	100	90 - 110	P	10/03/2025	15:51	LB137426
	Iron	5230	5000	105	90 - 110	P	10/03/2025	15:51	LB137426
	Lead	4860	5000	97	90 - 110	P	10/03/2025	15:51	LB137426
	Manganese	2420	2500	97	90 - 110	P	10/03/2025	15:51	LB137426
	Nickel	2450	2500	98	90 - 110	P	10/03/2025	15:51	LB137426
	Potassium	25700	25000	103	90 - 110	P	10/03/2025	15:51	LB137426
	Selenium	5170	5000	103	90 - 110	P	10/03/2025	15:51	LB137426
	Silver	1240	1250	99	90 - 110	P	10/03/2025	15:51	LB137426
	Sodium	27300	25000	109	90 - 110	P	10/03/2025	15:51	LB137426
	Thallium	5250	5000	105	90 - 110	P	10/03/2025	15:51	LB137426
	Vanadium	2450	2500	98	90 - 110	P	10/03/2025	15:51	LB137426
	Zinc	2490	2500	100	90 - 110	P	10/03/2025	15:51	LB137426
CCV04	Antimony	5020	5000	100	90 - 110	P	10/03/2025	16:45	LB137426
	Arsenic	4930	5000	99	90 - 110	P	10/03/2025	16:45	LB137426
	Barium	9780	10000	98	90 - 110	P	10/03/2025	16:45	LB137426
	Beryllium	234	250	93	90 - 110	P	10/03/2025	16:45	LB137426
	Cadmium	2360	2500	94	90 - 110	P	10/03/2025	16:45	LB137426
	Chromium	938	1000	94	90 - 110	P	10/03/2025	16:45	LB137426
	Cobalt	2370	2500	95	90 - 110	P	10/03/2025	16:45	LB137426
	Copper	1210	1250	97	90 - 110	P	10/03/2025	16:45	LB137426
	Iron	5120	5000	102	90 - 110	P	10/03/2025	16:45	LB137426
	Lead	4700	5000	94	90 - 110	P	10/03/2025	16:45	LB137426
	Manganese	2370	2500	95	90 - 110	P	10/03/2025	16:45	LB137426

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	2370	2500	95	90 - 110	P	10/03/2025	16:45	LB137426
	Potassium	24100	25000	96	90 - 110	P	10/03/2025	16:45	LB137426
	Selenium	5060	5000	101	90 - 110	P	10/03/2025	16:45	LB137426
	Silver	1210	1250	97	90 - 110	P	10/03/2025	16:45	LB137426
	Sodium	25400	25000	102	90 - 110	P	10/03/2025	16:45	LB137426
	Thallium	5250	5000	105	90 - 110	P	10/03/2025	16:45	LB137426
	Vanadium	2390	2500	96	90 - 110	P	10/03/2025	16:45	LB137426
	Zinc	2420	2500	97	90 - 110	P	10/03/2025	16:45	LB137426

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q3254
Contract: LOCK01 **Lab Code:** ACE
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	53.4	50.0	107	65 - 135	P	10/02/2025	11:36	LB137406
	Arsenic	23.1	20.0	116	65 - 135	P	10/02/2025	11:36	LB137406
	Barium	113	100	113	65 - 135	P	10/02/2025	11:36	LB137406
	Beryllium	6.95	6.0	116	65 - 135	P	10/02/2025	11:36	LB137406
	Cadmium	6.02	6.0	100	65 - 135	P	10/02/2025	11:36	LB137406
	Chromium	10.5	10.0	105	65 - 135	P	10/02/2025	11:36	LB137406
	Cobalt	30.2	30.0	101	65 - 135	P	10/02/2025	11:36	LB137406
	Copper	22.5	20.0	112	65 - 135	P	10/02/2025	11:36	LB137406
	Iron	88.5	100	88	65 - 135	P	10/02/2025	11:36	LB137406
	Lead	13.3	12.0	111	65 - 135	P	10/02/2025	11:36	LB137406
	Manganese	21.0	20.0	105	65 - 135	P	10/02/2025	11:36	LB137406
	Nickel	40.8	40.0	102	65 - 135	P	10/02/2025	11:36	LB137406
	Potassium	1530	2000	77	65 - 135	P	10/02/2025	11:36	LB137406
	Selenium	23.8	20.0	119	65 - 135	P	10/02/2025	11:36	LB137406
	Silver	10.3	10.0	103	65 - 135	P	10/02/2025	11:36	LB137406
	Sodium	1490	2000	74	65 - 135	P	10/02/2025	11:36	LB137406
	Thallium	46.6	40.0	117	65 - 135	P	10/02/2025	11:36	LB137406
	Vanadium	37.2	40.0	93	65 - 135	P	10/02/2025	11:36	LB137406
	Zinc	41.5	40.0	104	65 - 135	P	10/02/2025	11:36	LB137406
CRI01	Antimony	50.6	50.0	101	65 - 135	P	10/03/2025	13:16	LB137426
	Arsenic	21.4	20.0	107	65 - 135	P	10/03/2025	13:16	LB137426
	Barium	100	100	100	65 - 135	P	10/03/2025	13:16	LB137426
	Beryllium	6.49	6.0	108	65 - 135	P	10/03/2025	13:16	LB137426
	Cadmium	6.04	6.0	101	65 - 135	P	10/03/2025	13:16	LB137426
	Chromium	9.90	10.0	99	65 - 135	P	10/03/2025	13:16	LB137426
	Cobalt	29.7	30.0	99	65 - 135	P	10/03/2025	13:16	LB137426
	Copper	21.2	20.0	106	65 - 135	P	10/03/2025	13:16	LB137426
	Iron	91.2	100	91	65 - 135	P	10/03/2025	13:16	LB137426
	Lead	10.2	12.0	85	65 - 135	P	10/03/2025	13:16	LB137426
	Manganese	21.0	20.0	105	65 - 135	P	10/03/2025	13:16	LB137426
	Nickel	40.9	40.0	102	65 - 135	P	10/03/2025	13:16	LB137426
	Potassium	1890	2000	94	65 - 135	P	10/03/2025	13:16	LB137426
	Selenium	21.2	20.0	106	65 - 135	P	10/03/2025	13:16	LB137426
	Silver	10.5	10.0	105	65 - 135	P	10/03/2025	13:16	LB137426
	Sodium	1910	2000	95	65 - 135	P	10/03/2025	13:16	LB137426
	Thallium	39.4	40.0	98	65 - 135	P	10/03/2025	13:16	LB137426

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	39.8	40.0	100	65 - 135	P	10/03/2025	13:16	LB137426
	Zinc	42.0	40.0	105	65 - 135	P	10/03/2025	13:16	LB137426



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.: Q3254

Contract: LOCK01

Lab Code: ACE

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	10/02/2025	11:27	LB137406
	Arsenic	5.12	+/-10	U	20.0	P	10/02/2025	11:27	LB137406
	Barium	15.3	+/-50	J	100	P	10/02/2025	11:27	LB137406
	Beryllium	0.56	+/-3	U	6.00	P	10/02/2025	11:27	LB137406
	Cadmium	0.50	+/-3	U	6.00	P	10/02/2025	11:27	LB137406
	Chromium	2.12	+/-5	U	10.0	P	10/02/2025	11:27	LB137406
	Cobalt	2.26	+/-15	U	30.0	P	10/02/2025	11:27	LB137406
	Copper	4.60	+/-10	U	20.0	P	10/02/2025	11:27	LB137406
	Iron	23.4	+/-50	U	100	P	10/02/2025	11:27	LB137406
	Lead	3.04	+/-6	J	12.0	P	10/02/2025	11:27	LB137406
	Manganese	5.94	+/-10	U	20.0	P	10/02/2025	11:27	LB137406
	Nickel	3.06	+/-20	U	40.0	P	10/02/2025	11:27	LB137406
	Potassium	918	+/-1000	U	2000	P	10/02/2025	11:27	LB137406
	Selenium	9.64	+/-10	U	20.0	P	10/02/2025	11:27	LB137406
	Silver	1.62	+/-5	U	10.0	P	10/02/2025	11:27	LB137406
	Sodium	868	+/-1000	U	2000	P	10/02/2025	11:27	LB137406
	Thallium	4.38	+/-20	U	40.0	P	10/02/2025	11:27	LB137406
	Vanadium	6.26	+/-20	U	40.0	P	10/02/2025	11:27	LB137406
	Zinc	16.7	+/-20	U	40.0	P	10/02/2025	11:27	LB137406

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	10/02/2025	12:02	LB137406
	Arsenic	5.12	+/-10	U	20.0	P	10/02/2025	12:02	LB137406
	Barium	14.6	+/-50	U	100	P	10/02/2025	12:02	LB137406
	Beryllium	0.56	+/-3	U	6.00	P	10/02/2025	12:02	LB137406
	Cadmium	0.50	+/-3	U	6.00	P	10/02/2025	12:02	LB137406
	Chromium	2.12	+/-5	U	10.0	P	10/02/2025	12:02	LB137406
	Cobalt	2.26	+/-15	U	30.0	P	10/02/2025	12:02	LB137406
	Copper	4.60	+/-10	U	20.0	P	10/02/2025	12:02	LB137406
	Iron	23.4	+/-50	U	100	P	10/02/2025	12:02	LB137406
	Lead	2.30	+/-6	U	12.0	P	10/02/2025	12:02	LB137406
	Manganese	5.94	+/-10	U	20.0	P	10/02/2025	12:02	LB137406
	Nickel	3.06	+/-20	U	40.0	P	10/02/2025	12:02	LB137406
	Potassium	918	+/-1000	U	2000	P	10/02/2025	12:02	LB137406
	Selenium	9.64	+/-10	U	20.0	P	10/02/2025	12:02	LB137406
	Silver	1.62	+/-5	U	10.0	P	10/02/2025	12:02	LB137406
	Sodium	868	+/-1000	U	2000	P	10/02/2025	12:02	LB137406
	Thallium	4.38	+/-20	U	40.0	P	10/02/2025	12:02	LB137406
CCB02	Vanadium	6.26	+/-20	U	40.0	P	10/02/2025	12:02	LB137406
	Zinc	16.7	+/-20	U	40.0	P	10/02/2025	12:02	LB137406
	Antimony	7.17	+/-25	J	50.0	P	10/02/2025	13:52	LB137406
	Arsenic	5.12	+/-10	U	20.0	P	10/02/2025	13:52	LB137406
	Barium	36.1	+/-50	J	100	P	10/02/2025	13:52	LB137406
	Beryllium	0.56	+/-3	U	6.00	P	10/02/2025	13:52	LB137406
	Cadmium	0.50	+/-3	U	6.00	P	10/02/2025	13:52	LB137406
	Chromium	2.12	+/-5	U	10.0	P	10/02/2025	13:52	LB137406
	Cobalt	2.26	+/-15	U	30.0	P	10/02/2025	13:52	LB137406
	Copper	4.60	+/-10	U	20.0	P	10/02/2025	13:52	LB137406
	Iron	23.4	+/-50	U	100	P	10/02/2025	13:52	LB137406
	Lead	2.30	+/-6	U	12.0	P	10/02/2025	13:52	LB137406
	Manganese	5.94	+/-10	U	20.0	P	10/02/2025	13:52	LB137406
	Nickel	3.06	+/-20	U	40.0	P	10/02/2025	13:52	LB137406
	Potassium	918	+/-1000	U	2000	P	10/02/2025	13:52	LB137406
	Selenium	9.64	+/-10	U	20.0	P	10/02/2025	13:52	LB137406
	Silver	1.62	+/-5	U	10.0	P	10/02/2025	13:52	LB137406
CCB03	Sodium	868	+/-1000	U	2000	P	10/02/2025	13:52	LB137406
	Thallium	9.07	+/-20	J	40.0	P	10/02/2025	13:52	LB137406
	Vanadium	6.26	+/-20	U	40.0	P	10/02/2025	13:52	LB137406
	Zinc	16.7	+/-20	U	40.0	P	10/02/2025	13:52	LB137406
	Antimony	9.80	+/-25	J	50.0	P	10/02/2025	14:53	LB137406

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	10/02/2025	14:53	LB137406
	Barium	35.3	+/-50	J	100	P	10/02/2025	14:53	LB137406
	Beryllium	0.56	+/-3	U	6.00	P	10/02/2025	14:53	LB137406
	Cadmium	0.50	+/-3	U	6.00	P	10/02/2025	14:53	LB137406
	Chromium	2.12	+/-5	U	10.0	P	10/02/2025	14:53	LB137406
	Cobalt	2.26	+/-15	U	30.0	P	10/02/2025	14:53	LB137406
	Copper	4.60	+/-10	U	20.0	P	10/02/2025	14:53	LB137406
	Iron	23.4	+/-50	U	100	P	10/02/2025	14:53	LB137406
	Lead	4.60	+/-6	J	12.0	P	10/02/2025	14:53	LB137406
	Manganese	5.94	+/-10	U	20.0	P	10/02/2025	14:53	LB137406
	Nickel	3.06	+/-20	U	40.0	P	10/02/2025	14:53	LB137406
	Potassium	918	+/-1000	U	2000	P	10/02/2025	14:53	LB137406
	Selenium	9.64	+/-10	U	20.0	P	10/02/2025	14:53	LB137406
	Silver	1.62	+/-5	U	10.0	P	10/02/2025	14:53	LB137406
	Sodium	868	+/-1000	U	2000	P	10/02/2025	14:53	LB137406
	Thallium	8.77	+/-20	J	40.0	P	10/02/2025	14:53	LB137406
CCB04	Vanadium	6.26	+/-20	U	40.0	P	10/02/2025	14:53	LB137406
	Zinc	16.7	+/-20	U	40.0	P	10/02/2025	14:53	LB137406
	Antimony	13.8	+/-25	J	50.0	P	10/02/2025	16:05	LB137406
	Arsenic	5.72	+/-10	J	20.0	P	10/02/2025	16:05	LB137406
	Barium	44.2	+/-50	J	100	P	10/02/2025	16:05	LB137406
	Beryllium	0.56	+/-3	U	6.00	P	10/02/2025	16:05	LB137406
	Cadmium	0.50	+/-3	U	6.00	P	10/02/2025	16:05	LB137406
	Chromium	2.12	+/-5	U	10.0	P	10/02/2025	16:05	LB137406
	Cobalt	2.26	+/-15	U	30.0	P	10/02/2025	16:05	LB137406
	Copper	4.60	+/-10	U	20.0	P	10/02/2025	16:05	LB137406
	Iron	23.4	+/-50	U	100	P	10/02/2025	16:05	LB137406
	Lead	2.67	+/-6	J	12.0	P	10/02/2025	16:05	LB137406
	Manganese	5.94	+/-10	U	20.0	P	10/02/2025	16:05	LB137406
	Nickel	3.06	+/-20	U	40.0	P	10/02/2025	16:05	LB137406
	Potassium	918	+/-1000	U	2000	P	10/02/2025	16:05	LB137406
	Selenium	9.64	+/-10	U	20.0	P	10/02/2025	16:05	LB137406
CCB05	Silver	1.62	+/-5	U	10.0	P	10/02/2025	16:05	LB137406
	Sodium	868	+/-1000	U	2000	P	10/02/2025	16:05	LB137406
	Thallium	17.5	+/-20	J	40.0	P	10/02/2025	16:05	LB137406
	Vanadium	6.26	+/-20	U	40.0	P	10/02/2025	16:05	LB137406
	Zinc	16.7	+/-20	U	40.0	P	10/02/2025	16:05	LB137406
	Antimony	6.76	+/-25	U	50.0	P	10/02/2025	17:35	LB137406
	Arsenic	5.12	+/-10	U	20.0	P	10/02/2025	17:35	LB137406

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Barium	32.0	+/-50	J	100	P	10/02/2025	17:35	LB137406
	Beryllium	0.56	+/-3	U	6.00	P	10/02/2025	17:35	LB137406
	Cadmium	0.50	+/-3	U	6.00	P	10/02/2025	17:35	LB137406
	Chromium	2.12	+/-5	U	10.0	P	10/02/2025	17:35	LB137406
	Cobalt	2.26	+/-15	U	30.0	P	10/02/2025	17:35	LB137406
	Copper	4.60	+/-10	U	20.0	P	10/02/2025	17:35	LB137406
	Iron	23.4	+/-50	U	100	P	10/02/2025	17:35	LB137406
	Lead	2.81	+/-6	J	12.0	P	10/02/2025	17:35	LB137406
	Manganese	5.94	+/-10	U	20.0	P	10/02/2025	17:35	LB137406
	Nickel	3.06	+/-20	U	40.0	P	10/02/2025	17:35	LB137406
	Potassium	918	+/-1000	U	2000	P	10/02/2025	17:35	LB137406
	Selenium	9.64	+/-10	U	20.0	P	10/02/2025	17:35	LB137406
	Silver	1.62	+/-5	U	10.0	P	10/02/2025	17:35	LB137406
	Sodium	868	+/-1000	U	2000	P	10/02/2025	17:35	LB137406
	Thallium	6.83	+/-20	J	40.0	P	10/02/2025	17:35	LB137406
	Vanadium	6.26	+/-20	U	40.0	P	10/02/2025	17:35	LB137406
	Zinc	16.7	+/-20	U	40.0	P	10/02/2025	17:35	LB137406
CCB06	Antimony	9.78	+/-25	J	50.0	P	10/02/2025	18:21	LB137406
	Arsenic	5.12	+/-10	U	20.0	P	10/02/2025	18:21	LB137406
	Barium	37.5	+/-50	J	100	P	10/02/2025	18:21	LB137406
	Beryllium	0.56	+/-3	U	6.00	P	10/02/2025	18:21	LB137406
	Cadmium	0.50	+/-3	U	6.00	P	10/02/2025	18:21	LB137406
	Chromium	2.12	+/-5	U	10.0	P	10/02/2025	18:21	LB137406
	Cobalt	2.26	+/-15	U	30.0	P	10/02/2025	18:21	LB137406
	Copper	4.60	+/-10	U	20.0	P	10/02/2025	18:21	LB137406
	Iron	23.4	+/-50	U	100	P	10/02/2025	18:21	LB137406
	Lead	3.53	+/-6	J	12.0	P	10/02/2025	18:21	LB137406
	Manganese	5.94	+/-10	U	20.0	P	10/02/2025	18:21	LB137406
	Nickel	3.06	+/-20	U	40.0	P	10/02/2025	18:21	LB137406
	Potassium	918	+/-1000	U	2000	P	10/02/2025	18:21	LB137406
	Selenium	9.64	+/-10	U	20.0	P	10/02/2025	18:21	LB137406
	Silver	1.62	+/-5	U	10.0	P	10/02/2025	18:21	LB137406
	Sodium	868	+/-1000	U	2000	P	10/02/2025	18:21	LB137406
	Thallium	12.0	+/-20	J	40.0	P	10/02/2025	18:21	LB137406
	Vanadium	6.26	+/-20	U	40.0	P	10/02/2025	18:21	LB137406
	Zinc	16.7	+/-20	U	40.0	P	10/02/2025	18:21	LB137406

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	10/03/2025	13:12	LB137426
	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	13:12	LB137426
	Barium	14.6	+/-50	U	100	P	10/03/2025	13:12	LB137426
	Beryllium	0.56	+/-3	U	6.00	P	10/03/2025	13:12	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	13:12	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	13:12	LB137426
	Cobalt	2.26	+/-15	U	30.0	P	10/03/2025	13:12	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	13:12	LB137426
	Iron	23.4	+/-50	U	100	P	10/03/2025	13:12	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	13:12	LB137426
	Manganese	5.94	+/-10	U	20.0	P	10/03/2025	13:12	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	13:12	LB137426
	Potassium	918	+/-1000	U	2000	P	10/03/2025	13:12	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	13:12	LB137426
	Silver	1.62	+/-5	U	10.0	P	10/03/2025	13:12	LB137426
	Sodium	868	+/-1000	U	2000	P	10/03/2025	13:12	LB137426
	Thallium	4.38	+/-20	U	40.0	P	10/03/2025	13:12	LB137426
	Vanadium	6.26	+/-20	U	40.0	P	10/03/2025	13:12	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	13:12	LB137426

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	10/03/2025	13:41	LB137426
	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	13:41	LB137426
	Barium	14.6	+/-50	U	100	P	10/03/2025	13:41	LB137426
	Beryllium	0.56	+/-3	U	6.00	P	10/03/2025	13:41	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	13:41	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	13:41	LB137426
	Cobalt	2.26	+/-15	U	30.0	P	10/03/2025	13:41	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	13:41	LB137426
	Iron	23.4	+/-50	U	100	P	10/03/2025	13:41	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	13:41	LB137426
	Manganese	5.94	+/-10	U	20.0	P	10/03/2025	13:41	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	13:41	LB137426
	Potassium	918	+/-1000	U	2000	P	10/03/2025	13:41	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	13:41	LB137426
	Silver	1.62	+/-5	U	10.0	P	10/03/2025	13:41	LB137426
	Sodium	868	+/-1000	U	2000	P	10/03/2025	13:41	LB137426
	Thallium	4.38	+/-20	U	40.0	P	10/03/2025	13:41	LB137426
	Vanadium	6.26	+/-20	U	40.0	P	10/03/2025	13:41	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	13:41	LB137426
CCB02	Antimony	6.76	+/-25	U	50.0	P	10/03/2025	15:04	LB137426
	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	15:04	LB137426
	Barium	14.6	+/-50	U	100	P	10/03/2025	15:04	LB137426
	Beryllium	0.56	+/-3	U	6.00	P	10/03/2025	15:04	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	15:04	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	15:04	LB137426
	Cobalt	2.26	+/-15	U	30.0	P	10/03/2025	15:04	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	15:04	LB137426
	Iron	23.4	+/-50	U	100	P	10/03/2025	15:04	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	15:04	LB137426
	Manganese	5.94	+/-10	U	20.0	P	10/03/2025	15:04	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	15:04	LB137426
	Potassium	918	+/-1000	U	2000	P	10/03/2025	15:04	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	15:04	LB137426
	Silver	1.62	+/-5	U	10.0	P	10/03/2025	15:04	LB137426
	Sodium	868	+/-1000	U	2000	P	10/03/2025	15:04	LB137426
	Thallium	10.1	+/-20	J	40.0	P	10/03/2025	15:04	LB137426
	Vanadium	6.26	+/-20	U	40.0	P	10/03/2025	15:04	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	15:04	LB137426
CCB03	Antimony	6.76	+/-25	U	50.0	P	10/03/2025	16:00	LB137426

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

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	10/03/2025	16:00	LB137426
	Barium	14.6	+/-50	U	100	P	10/03/2025	16:00	LB137426
	Beryllium	0.56	+/-3	U	6.00	P	10/03/2025	16:00	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	16:00	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	16:00	LB137426
	Cobalt	2.26	+/-15	U	30.0	P	10/03/2025	16:00	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	16:00	LB137426
	Iron	23.4	+/-50	U	100	P	10/03/2025	16:00	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	16:00	LB137426
	Manganese	5.94	+/-10	U	20.0	P	10/03/2025	16:00	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	16:00	LB137426
	Potassium	918	+/-1000	U	2000	P	10/03/2025	16:00	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	16:00	LB137426
	Silver	1.62	+/-5	U	10.0	P	10/03/2025	16:00	LB137426
	Sodium	868	+/-1000	U	2000	P	10/03/2025	16:00	LB137426
	Thallium	4.38	+/-20	U	40.0	P	10/03/2025	16:00	LB137426
	Vanadium	6.26	+/-20	U	40.0	P	10/03/2025	16:00	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	16:00	LB137426
CCB04	Antimony	6.76	+/-25	U	50.0	P	10/03/2025	16:49	LB137426
	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	16:49	LB137426
	Barium	14.6	+/-50	U	100	P	10/03/2025	16:49	LB137426
	Beryllium	0.56	+/-3	U	6.00	P	10/03/2025	16:49	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	16:49	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	16:49	LB137426
	Cobalt	2.26	+/-15	U	30.0	P	10/03/2025	16:49	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	16:49	LB137426
	Iron	23.4	+/-50	U	100	P	10/03/2025	16:49	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	16:49	LB137426
	Manganese	5.94	+/-10	U	20.0	P	10/03/2025	16:49	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	16:49	LB137426
	Potassium	918	+/-1000	U	2000	P	10/03/2025	16:49	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	16:49	LB137426
	Silver	1.62	+/-5	U	10.0	P	10/03/2025	16:49	LB137426
	Sodium	868	+/-1000	U	2000	P	10/03/2025	16:49	LB137426
	Thallium	4.38	+/-20	U	40.0	P	10/03/2025	16:49	LB137426
	Vanadium	6.26	+/-20	U	40.0	P	10/03/2025	16:49	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	16:49	LB137426

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169937BL	WATER			Batch Number:	PB169937		Prep Date:	10/01/2025	
	Antimony	3.38	<12.5	U	25.0	P	10/03/2025	14:07	LB137426
	Arsenic	2.56	<5	U	10.0	P	10/03/2025	14:07	LB137426
	Barium	7.28	<25	U	50.0	P	10/03/2025	14:07	LB137426
	Beryllium	0.28	<1.5	U	3.00	P	10/03/2025	14:07	LB137426
	Cadmium	0.25	<1.5	U	3.00	P	10/03/2025	14:07	LB137426
	Chromium	1.06	<2.5	U	5.00	P	10/03/2025	14:07	LB137426
	Cobalt	1.13	<7.5	U	15.0	P	10/03/2025	14:07	LB137426
	Copper	2.30	<5	U	10.0	P	10/03/2025	14:07	LB137426
	Iron	11.7	<25	U	50.0	P	10/03/2025	14:07	LB137426
	Lead	1.15	<3	U	6.00	P	10/03/2025	14:07	LB137426
	Manganese	2.97	<5	U	10.0	P	10/03/2025	14:07	LB137426
	Nickel	1.53	<10	U	20.0	P	10/03/2025	14:07	LB137426
	Potassium	459	<500	U	1000	P	10/03/2025	14:07	LB137426
	Selenium	4.82	<5	U	10.0	P	10/03/2025	14:07	LB137426
	Silver	0.81	<2.5	U	5.00	P	10/03/2025	14:07	LB137426
	Sodium	434	<500	U	1000	P	10/03/2025	14:07	LB137426
	Thallium	2.19	<10	U	20.0	P	10/03/2025	14:07	LB137426
	Vanadium	3.13	<10	U	20.0	P	10/03/2025	14:07	LB137426
	Zinc	8.33	<10	U	20.0	P	10/03/2025	14:07	LB137426

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Lockwood, Kessler & Bartlett, Inc.</u>	SDG No.: <u>Q3254</u>
Contract: <u>LOCK01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	1.99			-50	50	10/02/2025	11:42	LB137406
	Arsenic	5.85			-20	20	10/02/2025	11:42	LB137406
	Barium	18.7	6.0	312	-94	106	10/02/2025	11:42	LB137406
	Beryllium	1.98			-6	6	10/02/2025	11:42	LB137406
	Cadmium	-1.23	1.0	123	-5	7	10/02/2025	11:42	LB137406
	Chromium	50.8	52.0	98	42	62	10/02/2025	11:42	LB137406
	Cobalt	0.27			-30	30	10/02/2025	11:42	LB137406
	Copper	3.53	2.0	176	-18	22	10/02/2025	11:42	LB137406
	Iron	96000	101000	95	85600	116500	10/02/2025	11:42	LB137406
	Lead	-7.87			-12	12	10/02/2025	11:42	LB137406
	Manganese	0.23	7.0	3	-13	27	10/02/2025	11:42	LB137406
	Nickel	3.41	2.0	170	-38	42	10/02/2025	11:42	LB137406
	Potassium	-102			0	0	10/02/2025	11:42	LB137406
	Selenium	-8.13			-20	20	10/02/2025	11:42	LB137406
	Silver	-3.77			-10	10	10/02/2025	11:42	LB137406
	Sodium	-181			0	0	10/02/2025	11:42	LB137406
	Thallium	14.0			-40	40	10/02/2025	11:42	LB137406
	Vanadium	2.54			-40	40	10/02/2025	11:42	LB137406
	Zinc	-0.077			-40	40	10/02/2025	11:42	LB137406
ICSAB01	Antimony	622	618	101	525	711	10/02/2025	11:46	LB137406
	Arsenic	110	104	106	88.4	120	10/02/2025	11:46	LB137406
	Barium	515	537	96	437	637	10/02/2025	11:46	LB137406
	Beryllium	548	495	111	420	570	10/02/2025	11:46	LB137406
	Cadmium	1040	972	107	826	1120	10/02/2025	11:46	LB137406
	Chromium	594	542	110	460	624	10/02/2025	11:46	LB137406
	Cobalt	515	476	108	404	548	10/02/2025	11:46	LB137406
	Copper	510	511	100	434	588	10/02/2025	11:46	LB137406
	Iron	98300	99300	99	84400	114500	10/02/2025	11:46	LB137406
	Lead	42.6	49.0	87	37	61	10/02/2025	11:46	LB137406
	Manganese	497	507	98	430	584	10/02/2025	11:46	LB137406
	Nickel	1030	954	108	810	1100	10/02/2025	11:46	LB137406
	Potassium	-265			0	0	10/02/2025	11:46	LB137406
	Selenium	46.7	46.0	102	26	66	10/02/2025	11:46	LB137406
	Silver	212	201	106	170	232	10/02/2025	11:46	LB137406
	Sodium	-229			0	0	10/02/2025	11:46	LB137406
	Thallium	115	108	106	68	148	10/02/2025	11:46	LB137406
	Vanadium	499	491	102	417	565	10/02/2025	11:46	LB137406
	Zinc	1060	952	111	809	1095	10/02/2025	11:46	LB137406
ICSA01	Antimony	3.52			-50	50	10/03/2025	13:20	LB137426
	Arsenic	8.41			-20	20	10/03/2025	13:20	LB137426
	Barium	1.66	6.0	28	-94	106	10/03/2025	13:20	LB137426
	Beryllium	1.42			-6	6	10/03/2025	13:20	LB137426

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Lockwood, Kessler & Bartlett, Inc. **SDG No.:** Q3254
Contract: LOCK01 **Lab Code:** ACE
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Cadmium	0.91	1.0	91	-5	7	10/03/2025	13:20	LB137426
	Chromium	46.6	52.0	90	42	62	10/03/2025	13:20	LB137426
	Cobalt	0.68			-30	30	10/03/2025	13:20	LB137426
	Copper	3.06	2.0	153	-18	22	10/03/2025	13:20	LB137426
	Iron	99600	101000	99	85600	116500	10/03/2025	13:20	LB137426
	Lead	0.97			-12	12	10/03/2025	13:20	LB137426
	Manganese	-1.76	7.0	25	-13	27	10/03/2025	13:20	LB137426
	Nickel	3.93	2.0	196	-38	42	10/03/2025	13:20	LB137426
	Potassium	187			0	0	10/03/2025	13:20	LB137426
	Selenium	9.27			-20	20	10/03/2025	13:20	LB137426
	Silver	1.41			-10	10	10/03/2025	13:20	LB137426
	Sodium	127			0	0	10/03/2025	13:20	LB137426
	Thallium	11.3			-40	40	10/03/2025	13:20	LB137426
	Vanadium	4.84			-40	40	10/03/2025	13:20	LB137426
	Zinc	1.66			-40	40	10/03/2025	13:20	LB137426
ICSAB01	Antimony	609	618	98	525	711	10/03/2025	13:25	LB137426
	Arsenic	110	104	106	88.4	120	10/03/2025	13:25	LB137426
	Barium	496	537	92	437	637	10/03/2025	13:25	LB137426
	Beryllium	516	495	104	420	570	10/03/2025	13:25	LB137426
	Cadmium	980	972	101	826	1120	10/03/2025	13:25	LB137426
	Chromium	553	542	102	460	624	10/03/2025	13:25	LB137426
	Cobalt	491	476	103	404	548	10/03/2025	13:25	LB137426
	Copper	484	511	95	434	588	10/03/2025	13:25	LB137426
	Iron	97500	99300	98	84400	114500	10/03/2025	13:25	LB137426
	Lead	49.1	49.0	100	37	61	10/03/2025	13:25	LB137426
	Manganese	492	507	97	430	584	10/03/2025	13:25	LB137426
	Nickel	981	954	103	810	1100	10/03/2025	13:25	LB137426
	Potassium	15.2			0	0	10/03/2025	13:25	LB137426
	Selenium	56.4	46.0	123	26	66	10/03/2025	13:25	LB137426
	Silver	208	201	104	170	232	10/03/2025	13:25	LB137426
	Sodium	92.2			0	0	10/03/2025	13:25	LB137426
	Thallium	105	108	97	68	148	10/03/2025	13:25	LB137426
	Vanadium	485	491	99	417	565	10/03/2025	13:25	LB137426
	Zinc	1030	952	108	809	1095	10/03/2025	13:25	LB137426



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: <u>Lockwood, Kessler & Bartlett, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q3254</u>
contract: <u>LOCK01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3254-07</u>	client id: <u>MW-4MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3254-07MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	400		25.0	U	400	100		P
Arsenic	ug/L	75 - 125	448		10.0	U	400	112		P
Barium	ug/L	75 - 125	260		165		100	96		P
Beryllium	ug/L	75 - 125	104		0.44	J	100	104		P
Cadmium	ug/L	75 - 125	111		3.00	U	100	111		P
Chromium	ug/L	75 - 125	221		1.87	J	200	109		P
Cobalt	ug/L	75 - 125	106		1.37	J	100	105		P
Copper	ug/L	75 - 125	164		10.5		150	102		P
Iron	ug/L	75 - 125	11200		10800		1500	23		P
Lead	ug/L	75 - 125	545		3.57	J	500	108		P
Manganese	ug/L	75 - 125	1290		1180		100	117		P
Nickel	ug/L	75 - 125	285		20.0		250	106		P
Potassium	ug/L	75 - 125	25000		22200		5000	55		P
Selenium	ug/L	75 - 125	1160		10.0	U	1000	116		P
Silver	ug/L	75 - 125	36.4		5.00	U	37.5	97		P
Sodium	ug/L	75 - 125	211000		230000		1500	-1265		P
Thallium	ug/L	75 - 125	1110		8.73	J	1000	110		P
Vanadium	ug/L	75 - 125	149		4.16	J	150	97		P
Zinc	ug/L	75 - 125	172		67.6		100	104		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Lockwood, Kessler & Bartlett, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q3254</u>
contract: <u>LOCK01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3254-07</u>	client id: <u>MW-4MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3254-07MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	435		25.0	U	400	109		P
Arsenic	ug/L	75 - 125	480		10.0	U	400	120		P
Barium	ug/L	75 - 125	280		165		100	115		P
Beryllium	ug/L	75 - 125	112		0.44	J	100	112		P
Cadmium	ug/L	75 - 125	118		3.00	U	100	118		P
Chromium	ug/L	75 - 125	234		1.87	J	200	116		P
Cobalt	ug/L	75 - 125	113		1.37	J	100	111		P
Copper	ug/L	75 - 125	175		10.5		150	110		P
Iron	ug/L	75 - 125	11900		10800		1500	76		P
Lead	ug/L	75 - 125	585		3.57	J	500	116		P
Manganese	ug/L	75 - 125	1410		1180		100	231		P
Nickel	ug/L	75 - 125	304		20.0		250	113		P
Potassium	ug/L	75 - 125	27100		22200		5000	98		P
Selenium	ug/L	75 - 125	1240		10.0	U	1000	124		P
Silver	ug/L	75 - 125	39.8		5.00	U	37.5	106		P
Sodium	ug/L	75 - 125	224000		230000		1500	-401		P
Thallium	ug/L	75 - 125	1060		8.73	J	1000	105		P
Vanadium	ug/L	75 - 125	155		4.16	J	150	101		P
Zinc	ug/L	75 - 125	183		67.6		100	115		P

Metals
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Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

Matrix: _____

Level: LOW

Client ID: _____

Sample ID: _____ **Spiked ID:** _____

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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A
B
C
D
E
F
G
H

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **Level:** LOW **SDG No.:** Q3254
Contract: LOCK01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3254-07 **Client ID:** MW-4DUP
Percent Solids for Sample: NA **Duplicate ID** Q3254-07DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	165		168		2		P
Beryllium	ug/L	20	0.44	J	0.51	J	14		P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Chromium	ug/L	20	1.87	J	1.85	J	1		P
Cobalt	ug/L	20	1.37	J	1.33	J	3		P
Copper	ug/L	20	10.5		11.1		5		P
Iron	ug/L	20	10800		9990		8		P
Lead	ug/L	20	3.57	J	4.48	J	23		P
Manganese	ug/L	20	1180		1190		1		P
Nickel	ug/L	20	20.0		19.8	J	1		P
Potassium	ug/L	20	22200		20700		7		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	230000		213000		8		P
Thallium	ug/L	20	8.73	J	8.97	J	3		P
Vanadium	ug/L	20	4.16	J	20.0	U	200.0		P
Zinc	ug/L	20	67.6		66.7		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc. **Level:** LOW **SDG No.:** Q3254
Contract: LOCK01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3254-07MS **Client ID:** MW-4MSD
Percent Solids for Sample: NA **Duplicate ID** Q3254-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	400		435		8		P
Arsenic	ug/L	20	448		480		7		P
Barium	ug/L	20	260		280		7		P
Beryllium	ug/L	20	104		112		7		P
Cadmium	ug/L	20	111		118		6		P
Chromium	ug/L	20	221		234		6		P
Cobalt	ug/L	20	106		113		6		P
Copper	ug/L	20	164		175		6		P
Iron	ug/L	20	11200		11900		6		P
Lead	ug/L	20	545		585		7		P
Manganese	ug/L	20	1290		1410		9		P
Nickel	ug/L	20	285		304		6		P
Potassium	ug/L	20	25000		27100		8		P
Selenium	ug/L	20	1160		1240		7		P
Silver	ug/L	20	36.4		39.8		9		P
Sodium	ug/L	20	211000		224000		6		P
Thallium	ug/L	20	1110		1060		5		P
Vanadium	ug/L	20	149		155		4		P
Zinc	ug/L	20	172		183		6		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Lockwood, Kessler & Bartlett, Inc.</u>	SDG No.:	<u>Q3254</u>
Contract:	<u>LOCK01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169937BS							
Antimony	ug/L	400	393		98	80 - 120	P
Arsenic	ug/L	400	379		95	80 - 120	P
Barium	ug/L	100	93.3		93	80 - 120	P
Beryllium	ug/L	100	96.4		96	80 - 120	P
Cadmium	ug/L	100	93.5		94	80 - 120	P
Chromium	ug/L	200	207		104	80 - 120	P
Cobalt	ug/L	100	94.5		94	80 - 120	P
Copper	ug/L	150	148		99	80 - 120	P
Iron	ug/L	1500	1490		99	80 - 120	P
Lead	ug/L	500	461		92	80 - 120	P
Manganese	ug/L	100	98.0		98	80 - 120	P
Nickel	ug/L	250	247		99	80 - 120	P
Potassium	ug/L	5000	4670		93	80 - 120	P
Selenium	ug/L	1000	961		96	80 - 120	P
Silver	ug/L	37.5	35.5		95	80 - 120	P
Sodium	ug/L	1500	1430		95	80 - 120	P
Thallium	ug/L	1000	926		93	80 - 120	P
Vanadium	ug/L	150	144		96	80 - 120	P
Zinc	ug/L	100	97.7		98	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-4L

Lab Name: Alliance **Contract:** LOCK01
Lab Code: ACE **Lb No.:** lb137406 **Lab Sample ID :** Q3254-07L **SDG No.:** Q3254
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Antimony	25.0	U	21.8	J	100.0		P
Arsenic	10.0	U	16.5	J	100.0		P
Barium	165		251		52		P
Beryllium	0.44	J	15.0	U	100.0		P
Cadmium	3.00	U	15.0	U			P
Chromium	1.87	J	5.76	J	208		P
Cobalt	1.37	J	75.0	U	100.0		P
Copper	10.5		14.4	J	37		P
Iron	10800		10300		5		P
Lead	3.57	J	11.4	J	219		P
Manganese	1180		1290		10		P
Nickel	20.0		18.9	J	6		P
Potassium	22200		31400		41		P
Selenium	10.0	U	44.7	J	100.0		P
Silver	5.00	U	25.0	U			P
Sodium	230000		212000		8		P
Thallium	8.73	J	47.9	J	449		P
Vanadium	4.16	J	16.4	J	294		P
Zinc	67.6		68.0	J	1		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q3254

Contract: LOCK01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169937							
PB169937BL	PB169937BL	MB	WATER	10/01/2025	50.0	25.0	
PB169937BS	PB169937BS	LCS	WATER	10/01/2025	50.0	25.0	
Q3254-01	MW-1	SAM	WATER	10/01/2025	50.0	25.0	
Q3254-02	MW-1	SAM	WATER	10/01/2025	50.0	25.0	
Q3254-03	MW-2	SAM	WATER	10/01/2025	50.0	25.0	
Q3254-04	MW-2	SAM	WATER	10/01/2025	50.0	25.0	
Q3254-05	MW-3	SAM	WATER	10/01/2025	50.0	25.0	
Q3254-06	MW-3	SAM	WATER	10/01/2025	50.0	25.0	
Q3254-07	MW-4	SAM	WATER	10/01/2025	50.0	25.0	
Q3254-07DUP	MW-4DUP	DUP	WATER	10/01/2025	50.0	25.0	
Q3254-07MS	MW-4MS	MS	WATER	10/01/2025	50.0	25.0	
Q3254-07MSD	MW-4MSD	MSD	WATER	10/01/2025	50.0	25.0	
Q3254-08	MW-4	SAM	WATER	10/01/2025	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Lockwood, Kessler & Bartlett, Inc.

Contract: LOCK01

Lab code: ACE

Sdg no.: Q3254

Instrument id number: _____ **Method:** _____

Run number: LB137406

Start date: 10/02/2025 **End date:** 10/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1037	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1042	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1046	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1050	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1054	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1058	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1107	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1111	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1127	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1136	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1142	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1146	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1158	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1202	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1348	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1352	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-01	MW-1	1	1434	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-02	MW-1	1	1438	Fe,Mn
Q3254-03	MW-2	1	1443	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1447	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1453	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-04	MW-2	1	1457	Fe,Mn
Q3254-05	MW-3	1	1501	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-06	MW-3	1	1505	Fe,Mn
Q3254-07	MW-4	1	1509	Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-07DUP	MW-4DUP	1	1513	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-07L	MW-4L	5	1518	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-07MS	MW-4MS	1	1522	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-07MSD	MW-4MSD	1	1526	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3254-08	MW-4	1	1534	Fe,Mn
CCV04	CCV04	1	1554	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1605	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1731	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1735	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1817	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1821	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: Lockwood, Kessler & Bartlett, Inc.

Contract: LOCK01

Lab code: ACE

Sdg no.: Q3254

Instrument id number: _____ **Method:** _____

Run number: LB137426

Start date: 10/03/2025 **End date:** 10/03/2025

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	1206	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1210	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1214	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1218	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1305	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1312	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1316	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1320	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1325	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1337	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1341	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169937BL	PB169937BL	1	1407	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169937BS	PB169937BS	1	1412	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,K,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1500	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1504	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1551	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1600	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1645	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1649	Fe,Mn,Ag,As,Ba,Be,Cd,Co,Cr,Cu,K,Na,Ni,Pb,Sb,Se,Tl,V,Zn