



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

LAB CHRONICLE

OrderID:	Q3551	OrderDate:	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	Project:	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	MANHOLE	Water			11/05/25			11/05/25
			Mercury	245.1		11/07/25	11/07/25	
			Metals ICP-Group1	200.7		11/06/25	11/10/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q3551

Order ID: Q3551

Client: Spectra East Inc.

Project ID: Outfall 001 - Orangetown Dis Permit 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MANHOLE								
Q3551-01	MANHOLE	Water	Chromium	2.08	J	0.53	5.00	ug/L
Q3551-01	MANHOLE	Water	Copper	60.8		1.89	10.0	ug/L
Q3551-01	MANHOLE	Water	Lead	2.22	J	1.21	6.00	ug/L
Q3551-01	MANHOLE	Water	Nickel	4.18	J	1.90	20.0	ug/L
Q3551-01	MANHOLE	Water	Zinc	443		2.00	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLE	SDG No.:	Q3551
Lab Sample ID:	Q3551-01	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.
7440-38-2	Arsenic	1.85	U	1	1.85	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-41-7	Beryllium	0.27	U	1	0.27	3.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-43-9	Cadmium	0.31	U	1	0.31	3.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-47-3	Chromium	2.08	J	1	0.53	5.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-50-8	Copper	60.8		1	1.89	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7439-92-1	Lead	2.22	J	1	1.21	6.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7439-97-6	Mercury	0.027	U	1	0.027	0.20	ug/L	11/07/25 09:25	11/07/25 14:57	E245.1	M245.1
7440-02-0	Nickel	4.18	J*	1	1.90	20.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7782-49-2	Selenium	2.52	U	1	2.52	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-22-4	Silver	0.81	UN	1	0.81	5.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-66-6	Zinc	443		1	2.00	20.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7

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: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV103	Mercury	3.99	4.0	100	95 - 105	CV	11/07/2025	14:28	LB137819

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV40	Mercury	4.99	5.0	100	90 - 110	CV	11/07/2025	14:33	LB137819
CCV41	Mercury	4.94	5.0	99	90 - 110	CV	11/07/2025	15:06	LB137819
CCV42	Mercury	4.90	5.0	98	90 - 110	CV	11/07/2025	15:15	LB137819

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	Arsenic	3980	4000	100	95 - 105	P	11/10/2025	11:45	LB137841
	Beryllium	208	200	104	95 - 105	P	11/10/2025	11:45	LB137841
	Cadmium	1960	2000	98	95 - 105	P	11/10/2025	11:45	LB137841
	Chromium	829	800	104	95 - 105	P	11/10/2025	11:45	LB137841
	Copper	1040	1000	104	95 - 105	P	11/10/2025	11:45	LB137841
	Lead	4190	4000	105	95 - 105	P	11/10/2025	11:45	LB137841
	Nickel	2010	2000	100	95 - 105	P	11/10/2025	11:45	LB137841
	Selenium	4020	4000	101	95 - 105	P	11/10/2025	11:45	LB137841
	Silver	1030	1000	103	95 - 105	P	11/10/2025	11:45	LB137841
	Zinc	2020	2000	101	95 - 105	P	11/10/2025	11:45	LB137841

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	Arsenic	22.4	20.0	112	80 - 120	P	11/10/2025	11:57	LB137841
	Beryllium	6.31	6.0	105	80 - 120	P	11/10/2025	11:57	LB137841
	Cadmium	5.56	6.0	93	80 - 120	P	11/10/2025	11:57	LB137841
	Chromium	10.1	10.0	101	80 - 120	P	11/10/2025	11:57	LB137841
	Copper	20.3	20.0	101	80 - 120	P	11/10/2025	11:57	LB137841
	Lead	10.8	12.0	90	80 - 120	P	11/10/2025	11:57	LB137841
	Nickel	38.3	40.0	96	80 - 120	P	11/10/2025	11:57	LB137841
	Selenium	22.1	20.0	110	80 - 120	P	11/10/2025	11:57	LB137841
	Silver	11.0	10.0	110	80 - 120	P	11/10/2025	11:57	LB137841
	Zinc	40.9	40.0	102	80 - 120	P	11/10/2025	11:57	LB137841

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	Arsenic	4940	5000	99	90 - 110	P	11/10/2025	12:38	LB137841
	Beryllium	254	250	102	90 - 110	P	11/10/2025	12:38	LB137841
	Cadmium	2460	2500	98	90 - 110	P	11/10/2025	12:38	LB137841
	Chromium	1000	1000	100	90 - 110	P	11/10/2025	12:38	LB137841
	Copper	1240	1250	99	90 - 110	P	11/10/2025	12:38	LB137841
	Lead	4910	5000	98	90 - 110	P	11/10/2025	12:38	LB137841
	Nickel	2460	2500	98	90 - 110	P	11/10/2025	12:38	LB137841
	Selenium	5030	5000	100	90 - 110	P	11/10/2025	12:38	LB137841
	Silver	1240	1250	99	90 - 110	P	11/10/2025	12:38	LB137841
	Zinc	2490	2500	99	90 - 110	P	11/10/2025	12:38	LB137841
CCV02	Arsenic	4990	5000	100	90 - 110	P	11/10/2025	13:28	LB137841
	Beryllium	255	250	102	90 - 110	P	11/10/2025	13:28	LB137841
	Cadmium	2480	2500	99	90 - 110	P	11/10/2025	13:28	LB137841
	Chromium	1020	1000	102	90 - 110	P	11/10/2025	13:28	LB137841
	Copper	1250	1250	100	90 - 110	P	11/10/2025	13:28	LB137841
	Lead	4950	5000	99	90 - 110	P	11/10/2025	13:28	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	13:28	LB137841
	Selenium	5090	5000	102	90 - 110	P	11/10/2025	13:28	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	13:28	LB137841
	Zinc	2500	2500	100	90 - 110	P	11/10/2025	13:28	LB137841
CCV03	Arsenic	4930	5000	99	90 - 110	P	11/10/2025	14:46	LB137841
	Beryllium	254	250	102	90 - 110	P	11/10/2025	14:46	LB137841
	Cadmium	2440	2500	98	90 - 110	P	11/10/2025	14:46	LB137841
	Chromium	1010	1000	101	90 - 110	P	11/10/2025	14:46	LB137841
	Copper	1240	1250	99	90 - 110	P	11/10/2025	14:46	LB137841
	Lead	4860	5000	97	90 - 110	P	11/10/2025	14:46	LB137841
	Nickel	2440	2500	98	90 - 110	P	11/10/2025	14:46	LB137841
	Selenium	4990	5000	100	90 - 110	P	11/10/2025	14:46	LB137841
	Silver	1230	1250	98	90 - 110	P	11/10/2025	14:46	LB137841
	Zinc	2490	2500	100	90 - 110	P	11/10/2025	14:46	LB137841
CCV04	Arsenic	5010	5000	100	90 - 110	P	11/10/2025	15:44	LB137841
	Beryllium	249	250	100	90 - 110	P	11/10/2025	15:44	LB137841
	Cadmium	2470	2500	99	90 - 110	P	11/10/2025	15:44	LB137841
	Chromium	1020	1000	102	90 - 110	P	11/10/2025	15:44	LB137841

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	Copper	1260	1250	101	90 - 110	P	11/10/2025	15:44	LB137841
	Lead	4920	5000	98	90 - 110	P	11/10/2025	15:44	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	15:44	LB137841
	Selenium	5070	5000	102	90 - 110	P	11/10/2025	15:44	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	15:44	LB137841
	Zinc	2530	2500	101	90 - 110	P	11/10/2025	15:44	LB137841
CCV05	Arsenic	4930	5000	99	90 - 110	P	11/10/2025	16:35	LB137841
	Beryllium	249	250	100	90 - 110	P	11/10/2025	16:35	LB137841
	Cadmium	2430	2500	97	90 - 110	P	11/10/2025	16:35	LB137841
	Chromium	1000	1000	100	90 - 110	P	11/10/2025	16:35	LB137841
	Copper	1250	1250	100	90 - 110	P	11/10/2025	16:35	LB137841
	Lead	4810	5000	96	90 - 110	P	11/10/2025	16:35	LB137841
	Nickel	2420	2500	97	90 - 110	P	11/10/2025	16:35	LB137841
	Selenium	4930	5000	99	90 - 110	P	11/10/2025	16:35	LB137841
	Silver	1220	1250	98	90 - 110	P	11/10/2025	16:35	LB137841
	Zinc	2500	2500	100	90 - 110	P	11/10/2025	16:35	LB137841
CCV06	Arsenic	5030	5000	101	90 - 110	P	11/10/2025	17:27	LB137841
	Beryllium	254	250	101	90 - 110	P	11/10/2025	17:27	LB137841
	Cadmium	2470	2500	99	90 - 110	P	11/10/2025	17:27	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	17:27	LB137841
	Copper	1270	1250	102	90 - 110	P	11/10/2025	17:27	LB137841
	Lead	4880	5000	98	90 - 110	P	11/10/2025	17:27	LB137841
	Nickel	2460	2500	99	90 - 110	P	11/10/2025	17:27	LB137841
	Selenium	5010	5000	100	90 - 110	P	11/10/2025	17:27	LB137841
	Silver	1260	1250	101	90 - 110	P	11/10/2025	17:27	LB137841
	Zinc	2590	2500	103	90 - 110	P	11/10/2025	17:27	LB137841
	Arsenic	5260	5000	105	90 - 110	P	11/10/2025	19:14	LB137841
	Beryllium	264	250	106	90 - 110	P	11/10/2025	19:14	LB137841
CCV07	Cadmium	2590	2500	104	90 - 110	P	11/10/2025	19:14	LB137841
	Chromium	1080	1000	108	90 - 110	P	11/10/2025	19:14	LB137841
	Copper	1320	1250	105	90 - 110	P	11/10/2025	19:14	LB137841
	Lead	5130	5000	103	90 - 110	P	11/10/2025	19:14	LB137841
	Nickel	2570	2500	103	90 - 110	P	11/10/2025	19:14	LB137841
	Selenium	5340	5000	107	90 - 110	P	11/10/2025	19:14	LB137841

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
CCV07	Silver	1320	1250	106	90 - 110	P	11/10/2025	19:14	LB137841
	Zinc	2680	2500	107	90 - 110	P	11/10/2025	19:14	LB137841
CCV08	Arsenic	5270	5000	105	90 - 110	P	11/10/2025	20:11	LB137841
	Beryllium	263	250	105	90 - 110	P	11/10/2025	20:11	LB137841
	Cadmium	2600	2500	104	90 - 110	P	11/10/2025	20:11	LB137841
	Chromium	1080	1000	108	90 - 110	P	11/10/2025	20:11	LB137841
	Copper	1320	1250	106	90 - 110	P	11/10/2025	20:11	LB137841
	Lead	5140	5000	103	90 - 110	P	11/10/2025	20:11	LB137841
	Nickel	2580	2500	103	90 - 110	P	11/10/2025	20:11	LB137841
	Selenium	5310	5000	106	90 - 110	P	11/10/2025	20:11	LB137841
	Silver	1310	1250	105	90 - 110	P	11/10/2025	20:11	LB137841
	Zinc	2680	2500	107	90 - 110	P	11/10/2025	20:11	LB137841
CCV09	Arsenic	5090	5000	102	90 - 110	P	11/10/2025	21:31	LB137841
	Beryllium	252	250	101	90 - 110	P	11/10/2025	21:31	LB137841
	Cadmium	2490	2500	100	90 - 110	P	11/10/2025	21:31	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	21:31	LB137841
	Copper	1280	1250	103	90 - 110	P	11/10/2025	21:31	LB137841
	Lead	4890	5000	98	90 - 110	P	11/10/2025	21:31	LB137841
	Nickel	2480	2500	99	90 - 110	P	11/10/2025	21:31	LB137841
	Selenium	5050	5000	101	90 - 110	P	11/10/2025	21:31	LB137841
	Silver	1270	1250	102	90 - 110	P	11/10/2025	21:31	LB137841
	Zinc	2630	2500	105	90 - 110	P	11/10/2025	21:31	LB137841
CCV10	Arsenic	4990	5000	100	90 - 110	P	11/10/2025	22:29	LB137841
	Beryllium	251	250	100	90 - 110	P	11/10/2025	22:29	LB137841
	Cadmium	2450	2500	98	90 - 110	P	11/10/2025	22:29	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	22:29	LB137841
	Copper	1260	1250	101	90 - 110	P	11/10/2025	22:29	LB137841
	Lead	4820	5000	96	90 - 110	P	11/10/2025	22:29	LB137841
	Nickel	2440	2500	98	90 - 110	P	11/10/2025	22:29	LB137841
	Selenium	4960	5000	99	90 - 110	P	11/10/2025	22:29	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	22:29	LB137841
	Zinc	2580	2500	103	90 - 110	P	11/10/2025	22:29	LB137841
CCV11	Arsenic	5060	5000	101	90 - 110	P	11/10/2025	23:30	LB137841
	Beryllium	248	250	99	90 - 110	P	11/10/2025	23:30	LB137841

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
CCV11	Cadmium	2480	2500	99	90 - 110	P	11/10/2025	23:30	LB137841
	Chromium	1040	1000	104	90 - 110	P	11/10/2025	23:30	LB137841
	Copper	1270	1250	102	90 - 110	P	11/10/2025	23:30	LB137841
	Lead	4890	5000	98	90 - 110	P	11/10/2025	23:30	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	23:30	LB137841
	Selenium	5050	5000	101	90 - 110	P	11/10/2025	23:30	LB137841
	Silver	1260	1250	101	90 - 110	P	11/10/2025	23:30	LB137841
	Zinc	2590	2500	103	90 - 110	P	11/10/2025	23:30	LB137841



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
CRA	Mercury	0.043	0.05	86	60 - 140	CV	11/07/2025	14:43	LB137819
CRI01	Arsenic	19.4	20.0	97	65 - 135	P	11/10/2025	12:16	LB137841
	Beryllium	6.53	6.0	109	65 - 135	P	11/10/2025	12:16	LB137841
	Cadmium	5.98	6.0	100	65 - 135	P	11/10/2025	12:16	LB137841
	Chromium	9.05	10.0	90	65 - 135	P	11/10/2025	12:16	LB137841
	Copper	21.9	20.0	110	65 - 135	P	11/10/2025	12:16	LB137841
	Lead	11.1	12.0	93	65 - 135	P	11/10/2025	12:16	LB137841
	Nickel	39.7	40.0	99	65 - 135	P	11/10/2025	12:16	LB137841
	Selenium	22.6	20.0	113	65 - 135	P	11/10/2025	12:16	LB137841
	Silver	10.1	10.0	101	65 - 135	P	11/10/2025	12:16	LB137841
	Zinc	43.2	40.0	108	65 - 135	P	11/10/2025	12:16	LB137841



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB103	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	14:31	LB137819

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB40	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	14:35	LB137819
CCB41	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	15:08	LB137819
CCB42	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	15:17	LB137819

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	12:11	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	12:11	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	12:11	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	12:11	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	12:11	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	12:11	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	12:11	LB137841



- 3a -

Client: Spectra East Inc.
Contract: SPEC01

SDG No.: Q3551

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	12:42	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	12:42	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	12:42	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	12:42	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	12:42	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	12:42	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	12:42	LB137841
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	13:54	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	13:54	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	13:54	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	13:54	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	13:54	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	13:54	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	13:54	LB137841
CCB03	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	14:50	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	14:50	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	14:50	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	14:50	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	14:50	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	14:50	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	14:50	LB137841
CCB04	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	15:47	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	15:47	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	15:47	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	15:47	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	15:47	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	15:47	LB137841

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	15:47	LB137841
CCB05	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	16:38	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	16:38	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	16:38	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	16:38	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	16:38	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	16:38	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	16:38	LB137841
CCB06	Arsenic	7.21	+/-10	J	20.0	P	11/10/2025	17:31	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	17:31	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	17:31	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	17:31	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	17:31	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	17:31	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	17:31	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	17:31	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	17:31	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	17:31	LB137841
CCB07	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	19:18	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	19:18	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	19:18	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	19:18	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	19:18	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	19:18	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	19:18	LB137841
CCB08	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	20:26	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	20:26	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	20:26	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	20:26	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	20:26	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	20:26	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	20:26	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	20:26	LB137841

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	1.62	+/-5	U	10.0	P	11/10/2025	20:26	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	20:26	LB137841
CCB09	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	21:41	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	21:41	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	21:41	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	21:41	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	21:41	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	21:41	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	21:41	LB137841
CCB10	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	22:47	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	22:47	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	22:47	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	22:47	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	22:47	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	22:47	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	22:47	LB137841
CCB11	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	23:34	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	23:34	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	23:34	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	23:34	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	23:34	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	23:34	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	23:34	LB137841

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170437BL		WATER		Batch Number:	PB170437		Prep Date:	11/07/2025	
	Mercury	0.027	<0.2	U	0.20	CV	11/07/2025	14:50	LB137819

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170412BL	WATER			Batch Number:	PB170412		Prep Date:	11/06/2025	
	Arsenic	1.85	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Beryllium	0.27	<1.5	U	3.00	P	11/10/2025	13:58	LB137841
	Cadmium	0.31	<1.5	U	3.00	P	11/10/2025	13:58	LB137841
	Chromium	0.55	<2.5	J	5.00	P	11/10/2025	13:58	LB137841
	Copper	1.89	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Lead	1.21	<3	U	6.00	P	11/10/2025	13:58	LB137841
	Nickel	1.90	<10	U	20.0	P	11/10/2025	13:58	LB137841
	Selenium	2.52	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Silver	0.81	<2.5	U	5.00	P	11/10/2025	13:58	LB137841
	Zinc	2.00	<10	U	20.0	P	11/10/2025	13:58	LB137841

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Spectra East Inc.</u>	SDG No.: <u>Q3551</u>
Contract: <u>SPEC01</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	Arsenic	4.11			-20	20	11/10/2025	12:21	LB137841
	Beryllium	1.48			-6	6	11/10/2025	12:21	LB137841
	Cadmium	0.069	1.0	7	-5	7	11/10/2025	12:21	LB137841
	Chromium	49.5	52.0	95	42	62	11/10/2025	12:21	LB137841
	Copper	18.7	2.0	935	-18	22	11/10/2025	12:21	LB137841
	Lead	-2.05			-12	12	11/10/2025	12:21	LB137841
	Nickel	6.36	2.0	318	-38	42	11/10/2025	12:21	LB137841
	Selenium	3.23			-20	20	11/10/2025	12:21	LB137841
	Silver	0.36			-10	10	11/10/2025	12:21	LB137841
	Zinc	3.40			-40	40	11/10/2025	12:21	LB137841
ICSAB01	Arsenic	101	104	97	88.4	120	11/10/2025	12:26	LB137841
	Beryllium	515	495	104	420	570	11/10/2025	12:26	LB137841
	Cadmium	996	972	102	826	1120	11/10/2025	12:26	LB137841
	Chromium	584	542	108	460	624	11/10/2025	12:26	LB137841
	Copper	501	511	98	434	588	11/10/2025	12:26	LB137841
	Lead	49.4	49.0	101	37	61	11/10/2025	12:26	LB137841
	Nickel	1020	954	107	810	1100	11/10/2025	12:26	LB137841
	Selenium	51.0	46.0	111	26	66	11/10/2025	12:26	LB137841
	Silver	204	201	102	170	232	11/10/2025	12:26	LB137841
	Zinc	1030	952	108	809	1095	11/10/2025	12:26	LB137841
ICSA	Arsenic	-23.7			-20	20	11/10/2025	12:30	LB137841
	Beryllium	5.70			-6	6	11/10/2025	12:30	LB137841
	Cadmium	3.92	1.0	392	-5	7	11/10/2025	12:30	LB137841
	Chromium	59.9	52.0	115	42	62	11/10/2025	12:30	LB137841
	Copper	15.6	2.0	780	-18	22	11/10/2025	12:30	LB137841
	Lead	-17.2			-12	12	11/10/2025	12:30	LB137841
	Nickel	19.4	2.0	970	-38	42	11/10/2025	12:30	LB137841
	Selenium	48.8			-20	20	11/10/2025	12:30	LB137841
	Silver	0.80			-10	10	11/10/2025	12:30	LB137841
	Zinc	19.8			-40	40	11/10/2025	12:30	LB137841
ICSAB	Arsenic	129	104	124	88.4	120	11/10/2025	12:34	LB137841
	Beryllium	506	495	102	420	570	11/10/2025	12:34	LB137841
	Cadmium	916	972	94	826	1120	11/10/2025	12:34	LB137841
	Chromium	547	542	101	460	624	11/10/2025	12:34	LB137841
	Copper	490	511	96	434	588	11/10/2025	12:34	LB137841
	Lead	7.69	49.0	16	37	61	11/10/2025	12:34	LB137841
	Nickel	939	954	98	810	1100	11/10/2025	12:34	LB137841
	Selenium	100	46.0	217	26	66	11/10/2025	12:34	LB137841
	Silver	166	201	83	170	232	11/10/2025	12:34	LB137841
	Zinc	975	952	102	809	1095	11/10/2025	12:34	LB137841



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Spectra East Inc.</u>	level: <u>low</u>	sdg no.: <u>Q3551</u>
contract: <u>SPEC01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3547-02</u>	client id: <u>CompMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3547-02MS</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
Arsenic	ug/L	75 - 125	385		10.0	U	400	96		P
Beryllium	ug/L	75 - 125	95.6		3.00	U	100	96		P
Cadmium	ug/L	75 - 125	99.1		1.62	J	100	97		P
Chromium	ug/L	75 - 125	219		18.3		200	100		P
Copper	ug/L	75 - 125	264		121		150	95		P
Lead	ug/L	75 - 125	487		20.0		500	93		P
Nickel	ug/L	75 - 125	269		20.5		250	99		P
Selenium	ug/L	75 - 125	932		10.0	U	1000	93		P
Silver	ug/L	75 - 125	26.8		2.33	J	37.5	65	N	P
Zinc	ug/L	75 - 125	628		524		100	104		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Spectra East Inc.</u>	level: <u>low</u>	sdg no.: <u>Q3551</u>
contract: <u>SPEC01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3547-02</u>	client id: <u>CompMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3547-02MSD</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
Arsenic	ug/L	75 - 125	403		10.0	U	400	101		P
Beryllium	ug/L	75 - 125	98.9		3.00	U	100	99		P
Cadmium	ug/L	75 - 125	104		1.62	J	100	102		P
Chromium	ug/L	75 - 125	227		18.3		200	104		P
Copper	ug/L	75 - 125	272		121		150	101		P
Lead	ug/L	75 - 125	513		20.0		500	99		P
Nickel	ug/L	75 - 125	281		20.5		250	104		P
Selenium	ug/L	75 - 125	977		10.0	U	1000	98		P
Silver	ug/L	75 - 125	26.8		2.33	J	37.5	65	N	P
Zinc	ug/L	75 - 125	632		524		100	108		P



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

metals
- 5a -
MATRIX SPIKE SUMMARY

client:

Spectra East Inc.

contract:

SPEC01

matrix:

Water

level:

low

sdg no.:

Q3551

sample id:

Q3551-01

lab code:

ACE

client id:

MANHOLEMS

Percent Solids for Sample:

NA

Spiked ID:

Q3551-01MS

Percent Solids for Spike Sample:

NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.56		0.20	U	4.0	89		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Spectra East Inc.</u>	level: <u>low</u>	sdg no.: <u>Q3551</u>
contract: <u>SPEC01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3551-01</u>	client id: <u>MANHOLEMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3551-01MSD</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
Mercury	ug/L	75 - 125	4.15		0.20	U	4.0	104		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>Spectra East Inc.</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>	Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Level:	<u>LOW</u>
Sample ID:	<u>Q3547-02</u>	Client ID:	<u>CompA</u>
Spiked ID:	<u>Q3547-02A</u>		

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	85 - 115	34.0		2.33	J	37.5	85		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Spectra East Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3547-02</u>	Client ID:	<u>CompDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3547-02DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	10.0	U	10.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	1.62	J	1.58	J	3		P
Chromium	ug/L	20	18.3		19.3		5		P
Copper	ug/L	20	121		121		0		P
Lead	ug/L	20	20.0		20.2		1		P
Nickel	ug/L	20	20.5		25.8		23	*	P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	2.33	J	2.21	J	5		P
Zinc	ug/L	20	524		628		18		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Spectra East Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3547-02MS</u>	Client ID:	<u>CompMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3547-02MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	385		403		5		P
Beryllium	ug/L	20	95.6		98.9		3		P
Cadmium	ug/L	20	99.1		104		5		P
Chromium	ug/L	20	219		227		4		P
Copper	ug/L	20	264		272		3		P
Lead	ug/L	20	487		513		5		P
Nickel	ug/L	20	269		281		4		P
Selenium	ug/L	20	932		977		5		P
Silver	ug/L	20	26.8		26.8		0		P
Zinc	ug/L	20	628		632		1		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Spectra East Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3551-01</u>	Client ID:	<u>MANHOLEDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3551-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Spectra East Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3551-01MS</u>	Client ID:	<u>MANHOLEMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3551-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.56		4.15		15		CV

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170412BS							
Arsenic	ug/L	400	391		98	85 - 115	P
Beryllium	ug/L	100	104		104	85 - 115	P
Cadmium	ug/L	100	94.7		95	85 - 115	P
Chromium	ug/L	200	203		102	85 - 115	P
Copper	ug/L	150	154		103	85 - 115	P
Lead	ug/L	500	468		94	85 - 115	P
Nickel	ug/L	250	244		98	85 - 115	P
Selenium	ug/L	1000	998		100	85 - 115	P
Silver	ug/L	37.5	37.0		99	85 - 115	P
Zinc	ug/L	100	103		103	85 - 115	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170437BS Mercury	ug/L	4.0	4.14		104	85 - 115	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

CompL

Lab Name: Alliance **Contract:** SPEC01
Lab Code: ACE **Lb No.:** lb137841 **Lab Sample ID :** Q3547-02L **SDG No.:** Q3551
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			
Arsenic	10.0	U	50.0	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	1.62	J	15.0	U	100.0		P
Chromium	18.3		17.6	J	4		P
Copper	121		116		4		P
Lead	20.0		20.3	J	1		P
Nickel	20.5		18.7	J	8		P
Selenium	10.0	U	50.0	U			P
Silver	2.33	J	25.0	U	100.0		P
Zinc	524		499		5		P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

MANHOLEL

Lab Name: Alliance **Contract:** SPEC01
Lab Code: ACE **Lb No.:** lb137819 **Lab Sample ID :** Q3551-01L **SDG No.:** Q3551
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Mercury	0.20	U	1.00	U			CV



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

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
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	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
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

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
Arsenic	193.759	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
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
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
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

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
Arsenic	193.759	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
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
Arsenic	193.759	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
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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: PB170412							
PB170412BL	PB170412BL	MB	WATER	11/06/2025	50.0	25.0	
PB170412BS	PB170412BS	LCS	WATER	11/06/2025	50.0	25.0	
Q3547-02DUP	CompDUP	DUP	WATER	11/06/2025	50.0	25.0	
Q3547-02MS	CompMS	MS	WATER	11/06/2025	50.0	25.0	
Q3547-02MSD	CompMSD	MSD	WATER	11/06/2025	50.0	25.0	
Q3551-01	MANHOLE	SAM	WATER	11/06/2025	50.0	25.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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: PB170437							
PB170437BL	PB170437BL	MB	WATER	11/07/2025	30.0	30.0	
PB170437BS	PB170437BS	LCS	WATER	11/07/2025	30.0	30.0	
Q3551-01	MANHOLE	SAM	WATER	11/07/2025	30.0	30.0	
Q3551-01DUP	MANHOLEDUP	DUP	WATER	11/07/2025	30.0	30.0	
Q3551-01MS	MANHOLEMS	MS	WATER	11/07/2025	30.0	30.0	
Q3551-01MSD	MANHOLEMSD	MSD	WATER	11/07/2025	30.0	30.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: Spectra East Inc.

Contract: SPEC01

Lab code: ACE

Sdg no.: Q3551

Instrument id number: _____

Method: _____

Run number: LB137819

Start date: 11/07/2025

End date: 11/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1351	HG
S0.05	S0.05	1	1353	HG
S0.2	S0.2	1	1355	HG
S2.5	S2.5	1	1358	HG
S5	S5	1	1400	HG
S7.5	S7.5	1	1417	HG
S10	S10	1	1423	HG
ICV103	ICV103	1	1428	HG
ICB103	ICB103	1	1431	HG
CCV40	CCV40	1	1433	HG
CCB40	CCB40	1	1435	HG
CRA	CRA	1	1443	HG
PB170437BL	PB170437BL	1	1450	HG
PB170437BS	PB170437BS	1	1452	HG
Q3551-01	MANHOLE	1	1457	HG
Q3551-01DUP	MANHOLEDUP	1	1459	HG
Q3551-01MS	MANHOLEMS	1	1501	HG
Q3551-01MSD	MANHOLEMSD	1	1504	HG
CCV41	CCV41	1	1506	HG
CCB41	CCB41	1	1508	HG
Q3551-01L	MANHOLEL	5	1511	HG
CCV42	CCV42	1	1515	HG
CCB42	CCB42	1	1517	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Spectra East Inc.

Contract: SPEC01

Lab code: ACE

Sdg no.: Q3551

Instrument id number: _____

Method: _____

Run number: LB137841

Start date: 11/10/2025

End date: 11/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1120	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1124	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1128	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1132	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1137	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1141	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1145	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1157	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1211	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1216	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1221	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1226	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA	ICSA	20	1230	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB	ICSAB	20	1234	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1238	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1242	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1328	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1354	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170412BL	PB170412BL	1	1358	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170412BS	PB170412BS	1	1403	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02DUP	CompDUP	1	1417	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02L	CompL	5	1421	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02MS	CompMS	1	1426	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02MSD	CompMSD	1	1430	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02A	CompA	1	1434	Ag
Q3551-01	MANHOLE	1	1438	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1446	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1450	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1544	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1547	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1635	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1638	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1727	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1731	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1914	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	1918	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV08	CCV08	1	2011	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB08	CCB08	1	2026	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV09	CCV09	1	2131	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB09	CCB09	1	2141	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV10	CCV10	1	2229	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: Spectra East Inc.

Contract: SPEC01

Lab code: ACE

Sdg no.: Q3551

Instrument id number:

Method:

Run number: LB137841

Start date: 11/10/2025

End date: 11/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	2247	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV11	CCV11	1	2330	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB11	CCB11	1	2334	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn