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

LAB CHRONICLE

OrderID:	Q2681	**OrderDate:**	7/23/2025 2:59:39 PM
Client:	Core Environmental Consultants and Services, Inc.	**Project:**	NYPA
Contact:	Roland Scardino	**Location:**	D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2681-01	**NYPA-POUCH-SPENT-CARBON**	**TCLP**			**07/23/25**			**07/23/25**
			TCLP ICP Metals	6010D		07/25/25	07/28/25	
			TCLP Mercury	7470A		07/28/25	07/28/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2681 **Order ID:** Q2681

Client: Core Environmental Consultants and Services, Inc. **Project ID:** NYPA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : NYPA-POUCH-SPENT-CARBON								
Q2681-01	NYPA-POUCH-SPENT-CARBO	TCLP	Barium	476	J	72.8	500	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBON	SDG No.:	Q2681
Lab Sample ID:	Q2681-01	Matrix:	TCLP
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	100	U	1	25.6	100	ug/L	07/25/25 12:30	07/28/25 13:01	6010D	SW3050
7440-39-3	Barium	476	J	1	72.8	500	ug/L	07/25/25 12:30	07/28/25 13:01	6010D	SW3050
7440-43-9	Cadmium	30.0	U	1	2.50	30.0	ug/L	07/25/25 12:30	07/28/25 13:01	6010D	SW3050
7440-47-3	Chromium	50.0	U	1	10.6	50.0	ug/L	07/25/25 12:30	07/28/25 13:01	6010D	SW3050
7439-92-1	Lead	60.0	U	1	11.5	60.0	ug/L	07/25/25 12:30	07/28/25 13:01	6010D	SW3050
7439-97-6	Mercury	2.00	U	1	0.76	2.00	ug/L	07/28/25 08:55	07/28/25 12:11	7470A	
7782-49-2	Selenium	100	U	1	48.2	100	ug/L	07/25/25 12:30	07/28/25 13:01	6010D	SW3050
7440-22-4	Silver	50.0	U	1	8.10	50.0	ug/L	07/25/25 12:30	07/28/25 13:01	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q2681

Contract: CORE02

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
ICV40	Mercury	4.28	4.0	107	90 - 110	CV	07/28/2025	11:45	LB136633

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q2681

Contract: CORE02

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
CCV51	Mercury	5.33	5.0	107	90 - 110	CV	07/28/2025	11:50	LB136633
CCV52	Mercury	5.16	5.0	103	90 - 110	CV	07/28/2025	12:23	LB136633
CCV53	Mercury	4.98	5.0	100	90 - 110	CV	07/28/2025	12:50	LB136633
CCV54	Mercury	4.92	5.0	98	90 - 110	CV	07/28/2025	13:11	LB136633
CCV55	Mercury	4.77	5.0	95	90 - 110	CV	07/28/2025	13:24	LB136633

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q2681

Contract: CORE02

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	3810	4000	95	90 - 110	P	07/28/2025	11:38	LB136640
	Barium	7980	8000	100	90 - 110	P	07/28/2025	11:38	LB136640
	Cadmium	1890	2000	95	90 - 110	P	07/28/2025	11:38	LB136640
	Chromium	809	800	101	90 - 110	P	07/28/2025	11:38	LB136640
	Lead	3900	4000	98	90 - 110	P	07/28/2025	11:38	LB136640
	Selenium	3850	4000	96	90 - 110	P	07/28/2025	11:38	LB136640
	Silver	1050	1000	105	90 - 110	P	07/28/2025	11:38	LB136640

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q2681

Contract: CORE02

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	20.3	20.0	102	80 - 120	P	07/28/2025	11:53	LB136640
	Barium	103	100	103	80 - 120	P	07/28/2025	11:53	LB136640
	Cadmium	5.63	6.0	94	80 - 120	P	07/28/2025	11:53	LB136640
	Chromium	10.6	10.0	106	80 - 120	P	07/28/2025	11:53	LB136640
	Lead	11.8	12.0	98	80 - 120	P	07/28/2025	11:53	LB136640
	Selenium	21.6	20.0	108	80 - 120	P	07/28/2025	11:53	LB136640
	Silver	10.7	10.0	107	80 - 120	P	07/28/2025	11:53	LB136640

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q2681

Contract: CORE02

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	4990	5000	100	90 - 110	P	07/28/2025	12:29	LB136640
	Barium	10200	10000	102	90 - 110	P	07/28/2025	12:29	LB136640
	Cadmium	2390	2500	96	90 - 110	P	07/28/2025	12:29	LB136640
	Chromium	962	1000	96	90 - 110	P	07/28/2025	12:29	LB136640
	Lead	4900	5000	98	90 - 110	P	07/28/2025	12:29	LB136640
	Selenium	5040	5000	101	90 - 110	P	07/28/2025	12:29	LB136640
	Silver	1260	1250	100	90 - 110	P	07/28/2025	12:29	LB136640
CCV02	Arsenic	5000	5000	100	90 - 110	P	07/28/2025	13:27	LB136640
	Barium	9910	10000	99	90 - 110	P	07/28/2025	13:27	LB136640
	Cadmium	2340	2500	94	90 - 110	P	07/28/2025	13:27	LB136640
	Chromium	964	1000	96	90 - 110	P	07/28/2025	13:27	LB136640
	Lead	4910	5000	98	90 - 110	P	07/28/2025	13:27	LB136640
	Selenium	5050	5000	101	90 - 110	P	07/28/2025	13:27	LB136640
	Silver	1240	1250	100	90 - 110	P	07/28/2025	13:27	LB136640
CCV03	Arsenic	5000	5000	100	90 - 110	P	07/28/2025	14:35	LB136640
	Barium	10100	10000	101	90 - 110	P	07/28/2025	14:35	LB136640
	Cadmium	2260	2500	90	90 - 110	P	07/28/2025	14:35	LB136640
	Chromium	975	1000	98	90 - 110	P	07/28/2025	14:35	LB136640
	Lead	4850	5000	97	90 - 110	P	07/28/2025	14:35	LB136640
	Selenium	5060	5000	101	90 - 110	P	07/28/2025	14:35	LB136640
	Silver	1260	1250	101	90 - 110	P	07/28/2025	14:35	LB136640
CCV04	Arsenic	5170	5000	103	90 - 110	P	07/28/2025	15:40	LB136640
	Barium	10300	10000	103	90 - 110	P	07/28/2025	15:40	LB136640
	Cadmium	2290	2500	92	90 - 110	P	07/28/2025	15:40	LB136640
	Chromium	955	1000	96	90 - 110	P	07/28/2025	15:40	LB136640
	Lead	4910	5000	98	90 - 110	P	07/28/2025	15:40	LB136640
	Selenium	5300	5000	106	90 - 110	P	07/28/2025	15:40	LB136640
	Silver	1280	1250	102	90 - 110	P	07/28/2025	15:40	LB136640
CCV05	Arsenic	5130	5000	103	90 - 110	P	07/28/2025	16:58	LB136640
	Barium	10500	10000	105	90 - 110	P	07/28/2025	16:58	LB136640
	Cadmium	2260	2500	90	90 - 110	P	07/28/2025	16:58	LB136640
	Chromium	923	1000	92	90 - 110	P	07/28/2025	16:58	LB136640
	Lead	4790	5000	96	90 - 110	P	07/28/2025	16:58	LB136640
	Selenium	5310	5000	106	90 - 110	P	07/28/2025	16:58	LB136640

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q2681

Contract: CORE02

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
CCV05	Silver	1270	1250	102	90 - 110	P	07/28/2025	16:58	LB136640

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q2681

Contract: CORE02 **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	0.23	0.2	114	70 - 130	CV	07/28/2025	11:57	LB136633
CRI01	Arsenic	20.1	20.0	101	65 - 135	P	07/28/2025	12:07	LB136640
	Barium	104	100	104	65 - 135	P	07/28/2025	12:07	LB136640
	Cadmium	5.58	6.0	93	65 - 135	P	07/28/2025	12:07	LB136640
	Chromium	10.7	10.0	107	65 - 135	P	07/28/2025	12:07	LB136640
	Lead	10.9	12.0	90	65 - 135	P	07/28/2025	12:07	LB136640
	Selenium	19.5	20.0	98	65 - 135	P	07/28/2025	12:07	LB136640
	Silver	10.6	10.0	106	65 - 135	P	07/28/2025	12:07	LB136640

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q2681

Contract: CORE02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB40	Mercury	0.076	+/-0.2	U	0.20	CV	07/28/2025	11:48	LB136633

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q2681

Contract: CORE02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB51	Mercury	0.076	+/-0.2	U	0.20	CV	07/28/2025	11:52	LB136633
CCB52	Mercury	0.076	+/-0.2	U	0.20	CV	07/28/2025	12:25	LB136633
CCB53	Mercury	0.076	+/-0.2	U	0.20	CV	07/28/2025	12:52	LB136633
CCB54	Mercury	0.076	+/-0.2	U	0.20	CV	07/28/2025	13:13	LB136633
CCB55	Mercury	0.076	+/-0.2	U	0.20	CV	07/28/2025	13:27	LB136633

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q2681

Contract: CORE02 **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	07/28/2025	11:57	LB136640
	Barium	14.6	+/-50	U	100	P	07/28/2025	11:57	LB136640
	Cadmium	0.50	+/-3	U	6.00	P	07/28/2025	11:57	LB136640
	Chromium	2.12	+/-5	U	10.0	P	07/28/2025	11:57	LB136640
	Lead	2.30	+/-6	U	12.0	P	07/28/2025	11:57	LB136640
	Selenium	9.64	+/-10	U	20.0	P	07/28/2025	11:57	LB136640
	Silver	1.62	+/-5	U	10.0	P	07/28/2025	11:57	LB136640

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q2681

Contract: CORE02 **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	07/28/2025	12:33	LB136640
	Barium	14.6	+/-50	U	100	P	07/28/2025	12:33	LB136640
	Cadmium	0.50	+/-3	U	6.00	P	07/28/2025	12:33	LB136640
	Chromium	2.12	+/-5	U	10.0	P	07/28/2025	12:33	LB136640
	Lead	2.30	+/-6	U	12.0	P	07/28/2025	12:33	LB136640
	Selenium	9.64	+/-10	U	20.0	P	07/28/2025	12:33	LB136640
	Silver	1.62	+/-5	U	10.0	P	07/28/2025	12:33	LB136640
CCB02	Arsenic	5.12	+/-10	U	20.0	P	07/28/2025	13:31	LB136640
	Barium	14.6	+/-50	U	100	P	07/28/2025	13:31	LB136640
	Cadmium	0.50	+/-3	U	6.00	P	07/28/2025	13:31	LB136640
	Chromium	2.12	+/-5	U	10.0	P	07/28/2025	13:31	LB136640
	Lead	2.30	+/-6	U	12.0	P	07/28/2025	13:31	LB136640
	Selenium	9.64	+/-10	U	20.0	P	07/28/2025	13:31	LB136640
	Silver	1.62	+/-5	U	10.0	P	07/28/2025	13:31	LB136640
CCB03	Arsenic	5.12	+/-10	U	20.0	P	07/28/2025	14:42	LB136640
	Barium	14.6	+/-50	U	100	P	07/28/2025	14:42	LB136640
	Cadmium	0.50	+/-3	U	6.00	P	07/28/2025	14:42	LB136640
	Chromium	2.12	+/-5	U	10.0	P	07/28/2025	14:42	LB136640
	Lead	2.30	+/-6	U	12.0	P	07/28/2025	14:42	LB136640
	Selenium	9.64	+/-10	U	20.0	P	07/28/2025	14:42	LB136640
	Silver	1.62	+/-5	U	10.0	P	07/28/2025	14:42	LB136640
CCB04	Arsenic	5.12	+/-10	U	20.0	P	07/28/2025	16:08	LB136640
	Barium	14.6	+/-50	U	100	P	07/28/2025	16:08	LB136640
	Cadmium	0.50	+/-3	U	6.00	P	07/28/2025	16:08	LB136640
	Chromium	2.12	+/-5	U	10.0	P	07/28/2025	16:08	LB136640
	Lead	2.30	+/-6	U	12.0	P	07/28/2025	16:08	LB136640
	Selenium	9.64	+/-10	U	20.0	P	07/28/2025	16:08	LB136640
	Silver	1.62	+/-5	U	10.0	P	07/28/2025	16:08	LB136640
CCB05	Arsenic	5.12	+/-10	U	20.0	P	07/28/2025	17:02	LB136640
	Barium	14.6	+/-50	U	100	P	07/28/2025	17:02	LB136640
	Cadmium	0.50	+/-3	U	6.00	P	07/28/2025	17:02	LB136640
	Chromium	2.12	+/-5	U	10.0	P	07/28/2025	17:02	LB136640
	Lead	2.30	+/-6	U	12.0	P	07/28/2025	17:02	LB136640
	Selenium	9.64	+/-10	U	20.0	P	07/28/2025	17:02	LB136640
	Silver	1.62	+/-5	U	10.0	P	07/28/2025	17:02	LB136640

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Core Environmental Consultants and Services, **SDG No.:** Q2681

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168986TB		**WATER**		**Batch Number:**	**PB169026**		**Prep Date:**	**07/28/2025**	
	Mercury	0.76	<2	U	2.00	CV	07/28/2025	13:15	LB136633

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169026BL		**WATER**		**Batch Number:**	**PB169026**		**Prep Date:**	**07/28/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	07/28/2025	12:04	LB136633

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Core Environmental Consultants and Services, **SDG No.:** Q2681

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168986TB		**WATER**		**Batch Number:**	**PB169012**		**Prep Date:**	**07/25/2025**	
	Arsenic	25.6	<50	U	100	P	07/28/2025	12:48	LB136640
	Barium	72.8	<250	U	500	P	07/28/2025	12:48	LB136640
	Cadmium	2.50	<15	U	30.0	P	07/28/2025	12:48	LB136640
	Chromium	10.6	<25	U	50.0	P	07/28/2025	12:48	LB136640
	Lead	11.5	<30	U	60.0	P	07/28/2025	12:48	LB136640
	Selenium	48.2	<50	U	100	P	07/28/2025	12:48	LB136640
	Silver	8.10	<25	U	50.0	P	07/28/2025	12:48	LB136640

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169012BL		**WATER**		**Batch Number:**	**PB169012**		**Prep Date:**	**07/25/2025**	
	Arsenic	25.6	<50	U	100	P	07/28/2025	12:38	LB136640
	Barium	72.8	<250	U	500	P	07/28/2025	12:38	LB136640
	Cadmium	2.50	<15	U	30.0	P	07/28/2025	12:38	LB136640
	Chromium	10.6	<25	U	50.0	P	07/28/2025	12:38	LB136640
	Lead	11.5	<30	U	60.0	P	07/28/2025	12:38	LB136640
	Selenium	48.2	<50	U	100	P	07/28/2025	12:38	LB136640
	Silver	8.10	<25	U	50.0	P	07/28/2025	12:38	LB136640

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q2681

Contract: CORE02 **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	Arsenic	9.84			-20	20	07/28/2025	12:11	LB136640
	Barium	5.33	6.0	89	-94	106	07/28/2025	12:11	LB136640
	Cadmium	5.35	1.0	535	-5	7	07/28/2025	12:11	LB136640
	Chromium	55.1	52.0	106	42	62	07/28/2025	12:11	LB136640
	Lead	-1.40			-12	12	07/28/2025	12:11	LB136640
	Selenium	-5.30			-20	20	07/28/2025	12:11	LB136640
	Silver	2.18			-10	10	07/28/2025	12:11	LB136640
ICSAB01	Arsenic	102	104	98	88.4	120	07/28/2025	12:16	LB136640
	Barium	498	537	93	437	637	07/28/2025	12:16	LB136640
	Cadmium	913	972	94	826	1120	07/28/2025	12:16	LB136640
	Chromium	531	542	98	460	624	07/28/2025	12:16	LB136640
	Lead	39.0	49.0	80	37	61	07/28/2025	12:16	LB136640
	Selenium	49.0	46.0	106	26	66	07/28/2025	12:16	LB136640
	Silver	213	201	106	170	232	07/28/2025	12:16	LB136640

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Core Environmental Consultants and Servic **level:** low **sdg no.:** Q2681

contract: CORE02 **lab code:** ACE

matrix: Water **sample id:** Q2691-08 **client id:** 299MS

Percent Solids for Sample: NA **Spiked ID:** Q2691-08MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3830		32.2	J	4000	95		P
Barium	ug/L	75 - 125	1810		922		1000	89		P
Cadmium	ug/L	75 - 125	835		4.21	J	1000	83		P
Chromium	ug/L	75 - 125	1840		50.0	U	2000	92		P
Lead	ug/L	75 - 125	4320		14.6	J	5000	86		P
Mercury	ug/L	75 - 125	44.5		2.00	U	40.0	111		CV
Selenium	ug/L	75 - 125	9550		100	U	10000	96		P
Silver	ug/L	75 - 125	357		50.0	U	380	94		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Core Environmental Consultants and Servic **level:** low **sdg no.:** Q2681

contract: CORE02 **lab code:** ACE

matrix: Water **sample id:** Q2691-08 **client id:** 299MSD

Percent Solids for Sample: NA **Spiked ID:** Q2691-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3750		32.2	J	4000	93		P
Barium	ug/L	75 - 125	1760		922		1000	84		P
Cadmium	ug/L	75 - 125	805		4.21	J	1000	80		P
Chromium	ug/L	75 - 125	1780		50.0	U	2000	89		P
Lead	ug/L	75 - 125	4200		14.6	J	5000	84		P
Mercury	ug/L	75 - 125	46.9		2.00	U	40.0	117		CV
Selenium	ug/L	75 - 125	9390		100	U	10000	94		P
Silver	ug/L	75 - 125	349		50.0	U	380	92		P

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

Metals
- 5b -

Client: Core Environmental Consultants and Servic **SDG No.:** Q2681

Contract: CORE02 **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

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Core Environmental Consultants and Servic **Level:** LOW **SDG No.:** Q2681

Contract: CORE02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2691-08 **Client ID:** 299DUP

Percent Solids for Sample: NA **Duplicate ID** Q2691-08DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	32.2	J	46.2	J	36		P
Barium	ug/L	20	922		885		4		P
Cadmium	ug/L	20	4.21	J	3.87	J	8		P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	14.6	J	14.8	J	1		P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

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

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Core Environmental Consultants and Servic **Level:** LOW **SDG No.:** Q2681

Contract: CORE02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2691-08MS **Client ID:** 299MSD

Percent Solids for Sample: NA **Duplicate ID** Q2691-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3830		3750		2		P
Barium	ug/L	20	1810		1760		3		P
Cadmium	ug/L	20	835		805		4		P
Chromium	ug/L	20	1840		1780		3		P
Lead	ug/L	20	4320		4200		3		P
Mercury	ug/L	20	44.5		46.9		5		CV
Selenium	ug/L	20	9550		9390		2		P
Silver	ug/L	20	357		349		2		P

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

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Core Environmental Consultants and Servic **SDG No.:** Q2681

Contract: CORE02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169012BS							
Arsenic	ug/L	4000	3530		88	80 - 120	P
Barium	ug/L	1000	1060		106	80 - 120	P
Cadmium	ug/L	1000	840		84	80 - 120	P
Chromium	ug/L	2000	1890		94	80 - 120	P
Lead	ug/L	5000	4310		86	80 - 120	P
Selenium	ug/L	10000	9000		90	80 - 120	P
Silver	ug/L	380	359		94	80 - 120	P

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

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Core Environmental Consultants and Servic **SDG No.:** Q2681

Contract: CORE02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169026BS							
Mercury	ug/L	4.0	4.72		118	80 - 120	CV

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

299L

Lab Name: Alliance **Contract:** CORE02

Lab Code: ACE **Lb No.:** lb136640 **Lab Sample ID :** Q2691-08L **SDG No.:** Q2681

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	32.2	J	500	U	100.0		P
Barium	922		979	J	6		P
Cadmium	4.21	J	150	U	100.0		P
Chromium	50.0	U	250	U			P
Lead	14.6	J	300	U	100.0		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

METAL PREPARATION & INSTRUMENT DATA

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Core Environmental Consultants and Servic

SDG No.: Q2681

Contract: CORE02

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
Barium	493.409	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
Lead	220.353	-0.0000920	0.0000000	0.0000380	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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Core Environmental Consultants and Servic

SDG No.: Q2681

Contract: CORE02

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
Barium	493.409	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
Lead	220.353	0.0000000	0.0003170	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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Core Environmental Consultants and Servic

SDG No.: Q2681

Contract: CORE02

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
Barium	493.409	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	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Core Environmental Consultants and Servic

SDG No.: Q2681

Contract: CORE02

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
Barium	493.409	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
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Core Environmental Consultants and Servic

SDG No.: Q2681

Contract: CORE02

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
Barium	493.409	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
Lead	220.353	0.0000000	-0.0003610	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

METAL PREPARATION & ANALYICAL SUMMARY

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Core Environmental Consultants and Servic **SDG No.:** Q2681

Contract: CORE02 **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:	**PB169012**						
PB168986TB	PB168986TB	MB	WATER	07/25/2025	5.0	25.0	
PB169012BL	PB169012BL	MB	WATER	07/25/2025	5.0	25.0	
PB169012BS	PB169012BS	LCS	WATER	07/25/2025	5.0	25.0	
Q2681-01	NYPA-POUCH-SPENT-CARBON	SAM	WATER	07/25/2025	5.0	25.0	
Q2691-08DUP	299DUP	DUP	WATER	07/25/2025	5.0	25.0	
Q2691-08MS	299MS	MS	WATER	07/25/2025	5.0	25.0	
Q2691-08MSD	299MSD	MSD	WATER	07/25/2025	5.0	25.0	

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Core Environmental Consultants and Servic **SDG No.:** Q2681

Contract: CORE02 **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:	**PB169026**						
PB168986TB	PB168986TB	MB	WATER	07/28/2025	3.0	30.0	
PB169026BL	PB169026BL	MB	WATER	07/28/2025	30.0	30.0	
PB169026BS	PB169026BS	LCS	WATER	07/28/2025	30.0	30.0	
Q2681-01	NYPA-POUCH-SPENT-CARBON	SAM	WATER	07/28/2025	3.0	30.0	
Q2691-08DUP	299DUP	DUP	WATER	07/28/2025	3.0	30.0	
Q2691-08MS	299MS	MS	WATER	07/28/2025	3.0	30.0	
Q2691-08MSD	299MSD	MSD	WATER	07/28/2025	3.0	30.0	

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Core Environmental Consultants and Servic **Contract:** CORE02

Lab code: ACE **Sdg no.:** Q2681

Instrument id number: **Method:** **Run number:** LB136633

Start date: 07/28/2025 **End date:** 07/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1125	HG
S0.2	S0.2	1	1127	HG
S2.5	S2.5	1	1130	HG
S5	S5	1	1132	HG
S7.5	S7.5	1	1134	HG
S10	S10	1	1140	HG
ICV40	ICV40	1	1145	HG
ICB40	ICB40	1	1148	HG
CCV51	CCV51	1	1150	HG
CCB51	CCB51	1	1152	HG
CRA	CRA	1	1157	HG
PB169026BL	PB169026BL	1	1204	HG
PB169026BS	PB169026BS	1	1209	HG
Q2681-01	NYPA-POUCH-SPENT-CARBC	1	1211	HG
CCV52	CCV52	1	1223	HG
CCB52	CCB52	1	1225	HG
CCV53	CCV53	1	1250	HG
CCB53	CCB53	1	1252	HG
Q2691-08DUP	299DUP	1	1304	HG
Q2691-08MS	299MS	1	1306	HG
Q2691-08MSD	299MSD	1	1308	HG
CCV54	CCV54	1	1311	HG
CCB54	CCB54	1	1313	HG
PB168986TB	PB168986TB	1	1315	HG
Q2691-08L	299L	5	1320	HG
CCV55	CCV55	1	1324	HG
CCB55	CCB55	1	1327	HG

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Core Environmental Consultants and Servic **Contract:** CORE02

Lab code: ACE **Sdg no.:** Q2681

Instrument id number: **Method:** **Run number:** LB136640

Start date: 07/28/2025 **End date:** 07/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1112	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1117	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1121	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1125	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1129	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1133	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1138	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1153	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1157	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1207	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1211	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1216	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1229	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1233	Ag,As,Ba,Cd,Cr,Pb,Se
PB169012BL	PB169012BL	1	1238	Ag,As,Ba,Cd,Cr,Pb,Se
PB168986TB	PB168986TB	1	1248	Ag,As,Ba,Cd,Cr,Pb,Se
PB169012BS	PB169012BS	1	1252	Ag,As,Ba,Cd,Cr,Pb,Se
Q2681-01	NYPA-POUCH-SPENT-CARBC	1	1301	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1327	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1331	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1435	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1442	Ag,As,Ba,Cd,Cr,Pb,Se
Q2691-08DUP	299DUP	1	1451	Ag,As,Ba,Cd,Cr,Pb,Se
Q2691-08L	299L	5	1455	Ag,As,Ba,Cd,Cr,Pb,Se
Q2691-08MS	299MS	1	1459	Ag,As,Ba,Cd,Cr,Pb,Se
Q2691-08MSD	299MSD	1	1503	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1540	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1608	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1658	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1702	Ag,As,Ba,Cd,Cr,Pb,Se