

LAB CHRONICLE

OrderID:	Q3444	OrderDate:	10/23/2025 12:27:00 PM
Client:	G Environmental	Project:	Banker
Contact:	Gary Landis	Location:	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3444-01	16 Banker	Water	Metals Group4	6010D	10/23/25	10/24/25	10/24/25	10/23/25
Q3444-02	29 Hanover	Water	Metals Group4	6010D	10/23/25	10/24/25	10/24/25	10/23/25
Q3444-03	29 Post	Water	Metals Group4	6010D	10/23/25	10/24/25	10/24/25	10/23/25
Q3444-04	683 WARWICK	Water	Metals Group4	6010D	10/23/25	10/24/25	10/24/25	10/23/25
Q3444-05	735 WARWICK	Water	Metals Group4	6010D	10/23/25	10/24/25	10/24/25	10/23/25
Q3444-06	739 WARWICK	Water	Metals Group4	6010D	10/23/25	10/24/25	10/24/25	10/23/25



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Hit Summary Sheet
SW-846

SDG No.: Q3444 **Order ID:** Q3444
Client: G Environmental **Project ID:** Banker

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 16 Banker Q3444-01	16 Banker	Water	Sodium	122000		434	1000	ug/L
Client ID : 29 Hanover Q3444-02	29 Hanover	Water	Sodium	503000		434	1000	ug/L
Client ID : 29 Post Q3444-03	29 Post	Water	Sodium	20100		434	1000	ug/L
Client ID : 683 WARWICK Q3444-04	683 WARWICK	Water	Sodium	98600		434	1000	ug/L
Client ID : 735 WARWICK Q3444-05	735 WARWICK	Water	Sodium	144000		434	1000	ug/L
Client ID : 739 WARWICK Q3444-06	739 WARWICK	Water	Sodium	102000		434	1000	ug/L



SAMPLE DATA

Report of Analysis

Client: G Environmental
Project: Banker
Client Sample ID: 16 Banker
Lab Sample ID: Q3444-01
Level (low/med): low

Date Collected: 10/23/25
Date Received: 10/23/25
SDG No.: Q3444
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	122000	1	434		1000	ug/L	10/24/25 10:45	10/24/25 18:37	6010D	

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: G Environmental
Project: Banker
Client Sample ID: 29 Hanover
Lab Sample ID: Q3444-02
Level (low/med): low

Date Collected: 10/23/25
Date Received: 10/23/25
SDG No.: Q3444
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	503000	1	434		1000	ug/L	10/24/25 10:45	10/24/25 18:41	6010D	

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: G Environmental
Project: Banker
Client Sample ID: 29 Post
Lab Sample ID: Q3444-03
Level (low/med): low

Date Collected: 10/23/25
Date Received: 10/23/25
SDG No.: Q3444
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	20100	1	434		1000	ug/L	10/24/25 10:45	10/24/25 18:46	6010D	

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: G Environmental
Project: Banker
Client Sample ID: 683 WARWICK
Lab Sample ID: Q3444-04
Level (low/med): low

Date Collected: 10/23/25
Date Received: 10/23/25
SDG No.: Q3444
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	98600	1	434		1000	ug/L	10/24/25 10:45	10/24/25 18:50	6010D	

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: G Environmental
Project: Banker
Client Sample ID: 735 WARWICK
Lab Sample ID: Q3444-05
Level (low/med): low

Date Collected: 10/23/25
Date Received: 10/23/25
SDG No.: Q3444
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	144000	1	434		1000	ug/L	10/24/25 10:45	10/24/25 18:54	6010D	

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: G Environmental
Project: Banker
Client Sample ID: 739 WARWICK
Lab Sample ID: Q3444-06
Level (low/med): low

Date Collected: 10/23/25
Date Received: 10/23/25
SDG No.: Q3444
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	102000	1	434		1000	ug/L	10/24/25 10:45	10/24/25 18:59	6010D	

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: G Environmental

SDG No.: Q3444

Contract: GENV01

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	Sodium	18600	20000	93	90 - 110	P	10/24/2025	14:33	LB137662

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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	Sodium	1900	2000	95	80 - 120	P	10/24/2025	14:38	LB137662

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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	Sodium	24300	25000	97	90 - 110	P	10/24/2025	15:12	LB137662
CCV02	Sodium	27200	25000	109	90 - 110	P	10/24/2025	16:32	LB137662
CCV03	Sodium	24500	25000	98	90 - 110	P	10/24/2025	18:29	LB137662
CCV04	Sodium	24500	25000	98	90 - 110	P	10/24/2025	19:19	LB137662
CCV05	Sodium	24900	25000	100	90 - 110	P	10/24/2025	20:06	LB137662



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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	Sodium	1940	2000	97	65 - 135	P	10/24/2025	14:48	LB137662



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Sodium	868	+/-1000	U	2000	P	10/24/2025	14:43	LB137662

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Sodium	868	+/-1000	U	2000	P	10/24/2025	15:16	LB137662
CCB02	Sodium	868	+/-1000	U	2000	P	10/24/2025	16:47	LB137662
CCB03	Sodium	868	+/-1000	U	2000	P	10/24/2025	18:33	LB137662
CCB04	Sodium	999	+/-1000	J	2000	P	10/24/2025	19:23	LB137662
CCB05	Sodium	1260	+/-1000	J*	2000	P	10/24/2025	20:10	LB137662

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3444

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170252BL		WATER		Batch Number:	PB170252		Prep Date:	10/24/2025	
	Sodium	478	<500	J	1000	P	10/24/2025	18:20	LB137662

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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	Sodium	118			0	0	10/24/2025	14:52	LB137662
ICSAB01	Sodium	89.3			0	0	10/24/2025	14:56	LB137662



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: G Environmental level: low sdg no.: Q3444
contract: GENV01 lab code: ACE
matrix: Water sample id: Q3444-06 client id: 739 WARWICKMS
Percent Solids for Sample: NA Spiked ID: Q3444-06MS Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Sodium	ug/L	75 - 125	99100		102000		1500	-179		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	G Environmental	level:	low	sdg no.:	Q3444
contract:	GENV01			lab code:	ACE
matrix:	Water	sample id:	Q3444-06	client id:	739 WARWICKMSD
Percent Solids for Sample:	NA	Spiked ID:	Q3444-06MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Sodium	ug/L	75 - 125	102000		102000		1500	13		P

Metals
- 5b -

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3444</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3444-06</u>	Client ID:	<u>739 WARWICKDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3444-06DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Sodium	ug/L	20	102000		103000		1		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3444</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3444-06MS</u>	Client ID:	<u>739 WARWICKMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3444-06MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Sodium	ug/L	20	99100		102000		3		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170252BS Sodium	ug/L	1500	1650		110	80 - 120	P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

739 WARWICKL

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **Lb No.:** lb137662 **Lab Sample ID :** Q3444-06L **SDG No.:** Q3444
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
Sodium	102000	100000	1		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: G Environmental

SDG No.: Q3444

Contract: GENV01

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: PB170252							
PB170252BL	PB170252BL	MB	WATER	10/24/2025	50.0	25.0	
PB170252BS	PB170252BS	LCS	WATER	10/24/2025	50.0	25.0	
Q3444-01	16 Banker	SAM	WATER	10/24/2025	50.0	25.0	
Q3444-02	29 Hanover	SAM	WATER	10/24/2025	50.0	25.0	
Q3444-03	29 Post	SAM	WATER	10/24/2025	50.0	25.0	
Q3444-04	683 WARWICK	SAM	WATER	10/24/2025	50.0	25.0	
Q3444-05	735 WARWICK	SAM	WATER	10/24/2025	50.0	25.0	
Q3444-06	739 WARWICK	SAM	WATER	10/24/2025	50.0	25.0	
Q3444-06DUP	739 WARWICKDUP	DUP	WATER	10/24/2025	50.0	25.0	
Q3444-06MS	739 WARWICKMS	MS	WATER	10/24/2025	50.0	25.0	
Q3444-06MSD	739 WARWICKMSD	MSD	WATER	10/24/2025	50.0	25.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3444

Instrument id number: _____

Method: _____

Run number: LB137662

Start date: 10/24/2025

End date: 10/24/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1407	Na
S1	S1	1	1412	Na
S2	S2	1	1416	Na
S3	S3	1	1420	Na
S4	S4	1	1424	Na
S5	S5	1	1429	Na
ICV01	ICV01	1	1433	Na
LLICV01	LLICV01	1	1438	Na
ICB01	ICB01	1	1443	Na
CRI01	CRI01	1	1448	Na
ICSA01	ICSA01	1	1452	Na
ICSAB01	ICSAB01	1	1456	Na
CCV01	CCV01	1	1512	Na
CCB01	CCB01	1	1516	Na
CCV02	CCV02	1	1632	Na
CCB02	CCB02	1	1647	Na
PB170252BL	PB170252BL	1	1820	Na
PB170252BS	PB170252BS	1	1825	Na
CCV03	CCV03	1	1829	Na
CCB03	CCB03	1	1833	Na
Q3444-01	16 Banker	1	1837	Na
Q3444-02	29 Hanover	1	1841	Na
Q3444-03	29 Post	1	1846	Na
Q3444-04	683 WARWICK	1	1850	Na
Q3444-05	735 WARWICK	1	1854	Na
Q3444-06	739 WARWICK	1	1859	Na
Q3444-06DUP	739 WARWICKDUP	1	1903	Na
Q3444-06L	739 WARWICKL	5	1907	Na
Q3444-06MS	739 WARWICKMS	1	1911	Na
Q3444-06MSD	739 WARWICKMSD	1	1915	Na
CCV04	CCV04	1	1919	Na
CCB04	CCB04	1	1923	Na
CCV05	CCV05	1	2006	Na
CCB05	CCB05	1	2010	Na