

LAB CHRONICLE

OrderID:	Q3705	OrderDate:	11/21/2025 1:45:00 PM
Client:	Europastry	Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Contact:	Kevin Carlucci	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3705-01	MH-11212025	Water	Metals Group3	6010D	11/21/25	11/24/25	11/24/25	11/21/25



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Hit Summary Sheet
SW-846

SDG No.:	Q3705	Order ID:	Q3705
Client:	Europastry	Project ID:	MCUA Permit No 14241 - 571 Jersey Ave 1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MH-11212025								
Q3705-01	MH-11212025	Water	Copper	23.3		2.30	10.0	ug/L
Q3705-01	MH-11212025	Water	Zinc	601		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Europastry	Date Collected:	11/21/25
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	Date Received:	11/21/25
Client Sample ID:	MH-11212025	SDG No.:	Q3705
Lab Sample ID:	Q3705-01	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	2.56	U	1	2.56	10.0	ug/L	11/24/25 10:35	11/24/25 18:29	6010D	M3010A
7440-50-8	Copper	23.3		1	2.30	10.0	ug/L	11/24/25 10:35	11/24/25 18:29	6010D	M3010A
7440-66-6	Zinc	601		1	8.33	20.0	ug/L	11/24/25 10:35	11/24/25 18:29	6010D	M3010A

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: Europastry

SDG No.: Q3705

Contract: EURO03

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	3900	4000	98	90 - 110	P	11/24/2025	13:37	LB138033
	Copper	993	1000	99	90 - 110	P	11/24/2025	13:37	LB138033
	Zinc	1970	2000	98	90 - 110	P	11/24/2025	13:37	LB138033

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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	20.8	20.0	104	80 - 120	P	11/24/2025	13:41	LB138033
	Copper	22.0	20.0	110	80 - 120	P	11/24/2025	13:41	LB138033
	Zinc	42.7	40.0	107	80 - 120	P	11/24/2025	13:41	LB138033

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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	4900	5000	98	90 - 110	P	11/24/2025	14:11	LB138033
	Copper	1230	1250	98	90 - 110	P	11/24/2025	14:11	LB138033
	Zinc	2440	2500	98	90 - 110	P	11/24/2025	14:11	LB138033
CCV02	Arsenic	4910	5000	98	90 - 110	P	11/24/2025	15:59	LB138033
	Copper	1240	1250	99	90 - 110	P	11/24/2025	15:59	LB138033
	Zinc	2510	2500	100	90 - 110	P	11/24/2025	15:59	LB138033
CCV03	Arsenic	4830	5000	97	90 - 110	P	11/24/2025	16:49	LB138033
	Copper	1230	1250	98	90 - 110	P	11/24/2025	16:49	LB138033
	Zinc	2460	2500	99	90 - 110	P	11/24/2025	16:49	LB138033
CCV04	Arsenic	4960	5000	99	90 - 110	P	11/24/2025	17:41	LB138033
	Copper	1250	1250	100	90 - 110	P	11/24/2025	17:41	LB138033
	Zinc	2490	2500	100	90 - 110	P	11/24/2025	17:41	LB138033
CCV05	Arsenic	4800	5000	96	90 - 110	P	11/24/2025	18:50	LB138033
	Copper	1210	1250	97	90 - 110	P	11/24/2025	18:50	LB138033
	Zinc	2410	2500	96	90 - 110	P	11/24/2025	18:50	LB138033
CCV06	Arsenic	4910	5000	98	90 - 110	P	11/24/2025	19:04	LB138033
	Copper	1230	1250	98	90 - 110	P	11/24/2025	19:04	LB138033
	Zinc	2480	2500	99	90 - 110	P	11/24/2025	19:04	LB138033



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Metals

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CRDL STANDARD FOR AA & ICP

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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	Arsenic	21.6	20.0	108	65 - 135	P	11/24/2025	13:49	LB138033
	Copper	22.7	20.0	114	65 - 135	P	11/24/2025	13:49	LB138033
	Zinc	43.2	40.0	108	65 - 135	P	11/24/2025	13:49	LB138033



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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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	11/24/2025	13:45	LB138033
	Copper	4.60	+/-10	U	20.0	P	11/24/2025	13:45	LB138033
	Zinc	16.7	+/-20	U	40.0	P	11/24/2025	13:45	LB138033

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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	11/24/2025	14:15	LB138033
	Copper	4.60	+/-10	U	20.0	P	11/24/2025	14:15	LB138033
	Zinc	16.7	+/-20	U	40.0	P	11/24/2025	14:15	LB138033
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/24/2025	16:03	LB138033
	Copper	4.60	+/-10	U	20.0	P	11/24/2025	16:03	LB138033
	Zinc	16.7	+/-20	U	40.0	P	11/24/2025	16:03	LB138033
CCB03	Arsenic	5.12	+/-10	U	20.0	P	11/24/2025	16:53	LB138033
	Copper	4.60	+/-10	U	20.0	P	11/24/2025	16:53	LB138033
	Zinc	16.7	+/-20	U	40.0	P	11/24/2025	16:53	LB138033
CCB04	Arsenic	5.12	+/-10	U	20.0	P	11/24/2025	17:45	LB138033
	Copper	4.60	+/-10	U	20.0	P	11/24/2025	17:45	LB138033
	Zinc	16.7	+/-20	U	40.0	P	11/24/2025	17:45	LB138033
CCB05	Arsenic	5.12	+/-10	U	20.0	P	11/24/2025	18:54	LB138033
	Copper	4.60	+/-10	U	20.0	P	11/24/2025	18:54	LB138033
	Zinc	16.7	+/-20	U	40.0	P	11/24/2025	18:54	LB138033
CCB06	Arsenic	5.12	+/-10	U	20.0	P	11/24/2025	19:08	LB138033
	Copper	4.60	+/-10	U	20.0	P	11/24/2025	19:08	LB138033
	Zinc	16.7	+/-20	U	40.0	P	11/24/2025	19:08	LB138033

Metals
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PREPARATION BLANK SUMMARY

Client: Europastry

SDG No.: Q3705

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170709BL	WATER			Batch Number:	PB170709		Prep Date:	11/24/2025	
	Arsenic	2.56	<5	U	10.0	P	11/24/2025	15:04	LB138033
	Copper	2.30	<5	U	10.0	P	11/24/2025	15:04	LB138033
	Zinc	8.33	<10	U	20.0	P	11/24/2025	15:04	LB138033

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>Europastry</u>	SDG No.: <u>Q3705</u>
Contract: <u>EURO03</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	1.18			-20	20	11/24/2025	13:54	LB138033
	Copper	-3.61	2.0	180	-18	22	11/24/2025	13:54	LB138033
	Zinc	8.80			-40	40	11/24/2025	13:54	LB138033
ICSAB01	Arsenic	115	104	111	88.4	120	11/24/2025	13:58	LB138033
	Copper	483	511	94	434	588	11/24/2025	13:58	LB138033
	Zinc	1050	952	110	809	1095	11/24/2025	13:58	LB138033



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Europastry level: low sdg no.: Q3705
contract: EURO03 lab code: ACE
matrix: Water sample id: Q3705-01 client id: MH-11212025MS
Percent Solids for Sample: NA Spiked ID: Q3705-01MS 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	384		10.0	U	400	96		P
Copper	ug/L	75 - 125	153		23.3		150	86		P
Zinc	ug/L	75 - 125	672		601		100	71		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Europastry **level:** low **sdg no.:** Q3705
contract: EURO03 **lab code:** ACE
matrix: Water **sample id:** Q3705-01 **client id:** MH-11212025MSD
Percent Solids for Sample: NA **Spiked ID:** Q3705-01MSD **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	378		10.0	U	400	94		P
Copper	ug/L	75 - 125	150		23.3		150	85		P
Zinc	ug/L	75 - 125	630		601		100	29		P

Metals
- 5b -

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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:	<u>Europastry</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3705</u>
Contract:	<u>EURO03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3705-01</u>	Client ID:	<u>MH-11212025DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3705-01DUP	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
Copper	ug/L	20	23.3		22.3		4		P
Zinc	ug/L	20	601		582		3		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Europastry</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3705</u>
Contract:	<u>EURO03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3705-01MS</u>	Client ID:	<u>MH-11212025MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3705-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	384		378		2		P
Copper	ug/L	20	153		150		2		P
Zinc	ug/L	20	672		630		6		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Europastry

SDG No.: Q3705

Contract: EURO03

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170709BS							
Arsenic	ug/L	400	403		101	80 - 120	P
Copper	ug/L	150	155		103	80 - 120	P
Zinc	ug/L	100	106		106	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MH-11212025L

Lab Name: Alliance **Contract:** EURO03
Lab Code: ACE **Lb No.:** lb138033 **Lab Sample ID :** Q3705-01L **SDG No.:** Q3705
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Arsenic	10.0	U	50.0	U			P
Copper	23.3		23.1	J	1		P
Zinc	601		576		4		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	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: Europastry

SDG No.: Q3705

Contract: EURO03

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Europastry

SDG No.: Q3705

Contract: EURO03

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	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: Europastry

SDG No.: Q3705

Contract: EURO03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	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: Europastry

SDG No.: Q3705

Contract: EURO03

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: PB170709							
PB170709BL	PB170709BL	MB	WATER	11/24/2025	50.0	25.0	
PB170709BS	PB170709BS	LCS	WATER	11/24/2025	50.0	25.0	
Q3705-01	MH-11212025	SAM	WATER	11/24/2025	50.0	25.0	
Q3705-01DUP	MH-11212025DUP	DUP	WATER	11/24/2025	50.0	25.0	
Q3705-01MS	MH-11212025MS	MS	WATER	11/24/2025	50.0	25.0	
Q3705-01MSD	MH-11212025MSD	MSD	WATER	11/24/2025	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Europastry

Contract: EURO03

Lab code: ACE

Sdg no.: Q3705

Instrument id number: _____

Method: _____

Run number: LB138033

Start date: 11/24/2025

End date: 11/24/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1256	As,Cu,Zn
S1	S1	1	1300	As,Cu,Zn
S2	S2	1	1304	As,Cu,Zn
S3	S3	1	1309	As,Cu,Zn
S4	S4	1	1313	As,Cu,Zn
S5	S5	1	1317	As,Cu,Zn
ICV01	ICV01	1	1337	As,Cu,Zn
LLICV01	LLICV01	1	1341	As,Cu,Zn
ICB01	ICB01	1	1345	As,Cu,Zn
CRI01	CRI01	1	1349	As,Cu,Zn
ICSA01	ICSA01	1	1354	As,Cu,Zn
ICSAB01	ICSAB01	1	1358	As,Cu,Zn
CCV01	CCV01	1	1411	As,Cu,Zn
CCB01	CCB01	1	1415	As,Cu,Zn
PB170709BL	PB170709BL	1	1504	As,Cu,Zn
PB170709BS	PB170709BS	1	1508	As,Cu,Zn
CCV02	CCV02	1	1559	As,Cu,Zn
CCB02	CCB02	1	1603	As,Cu,Zn
CCV03	CCV03	1	1649	As,Cu,Zn
CCB03	CCB03	1	1653	As,Cu,Zn
CCV04	CCV04	1	1741	As,Cu,Zn
CCB04	CCB04	1	1745	As,Cu,Zn
Q3705-01	MH-11212025	1	1829	As,Cu,Zn
Q3705-01DUP	MH-11212025DUP	1	1833	As,Cu,Zn
Q3705-01L	MH-11212025L	5	1838	As,Cu,Zn
Q3705-01MS	MH-11212025MS	1	1842	As,Cu,Zn
Q3705-01MSD	MH-11212025MSD	1	1846	As,Cu,Zn
CCV05	CCV05	1	1850	As,Cu,Zn
CCB05	CCB05	1	1854	As,Cu,Zn
CCV06	CCV06	1	1904	As,Cu,Zn
CCB06	CCB06	1	1908	As,Cu,Zn