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LAB CHRONICLE

OrderID:	Q2276	**OrderDate:**	6/10/2025 11:49:37 AM
Client:	Europastry	**Project:**	MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Contact:	Kevin Carlucci	**Location:**	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2276-01	**MH-6-10-2025**	**Water**			**06/10/25**			**06/10/25**
			Metals Group3	6010D		06/11/25	06/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2276 **Order ID:** Q2276

Client: Europastry **Project ID:** MCUA Permit No 14241 - 571 Jersey Ave I

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MH-6-10-2025								
Q2276-01	MH-6-10-2025	Water	Copper	0.56	D	0.12	0.50	mg/L
Q2276-01	MH-6-10-2025	Water	Zinc	0.73	JD	0.42	1.00	mg/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Europastry	Date Collected:	06/10/25
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	Date Received:	06/10/25
Client Sample ID:	MH-6-10-2025	SDG No.:	Q2276
Lab Sample ID:	Q2276-01	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	0.13	UD	5	0.13	0.50	mg/L	06/11/25 11:15	06/11/25 19:59	6010D	SW3010
7440-50-8	Copper	0.56	D	5	0.12	0.50	mg/L	06/11/25 11:15	06/11/25 19:59	6010D	SW3010
7440-66-6	Zinc	0.73	JD	5	0.42	1.00	mg/L	06/11/25 11:15	06/11/25 19:59	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Cloudy	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	3730	4000	93	90 - 110	P	06/11/2025	13:53	LB136119
	Copper	972	1000	97	90 - 110	P	06/11/2025	13:53	LB136119
	Zinc	1910	2000	96	90 - 110	P	06/11/2025	13:53	LB136119

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	20.1	20.0	100	80 - 120	P	06/11/2025	13:57	LB136119
	Copper	21.7	20.0	109	80 - 120	P	06/11/2025	13:57	LB136119
	Zinc	41.1	40.0	103	80 - 120	P	06/11/2025	13:57	LB136119

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	4970	5000	99	90 - 110	P	06/11/2025	14:42	LB136119
	Copper	1240	1250	99	90 - 110	P	06/11/2025	14:42	LB136119
	Zinc	2490	2500	100	90 - 110	P	06/11/2025	14:42	LB136119
CCV02	Arsenic	4770	5000	95	90 - 110	P	06/11/2025	16:33	LB136119
	Copper	1210	1250	97	90 - 110	P	06/11/2025	16:33	LB136119
	Zinc	2430	2500	97	90 - 110	P	06/11/2025	16:33	LB136119
CCV03	Arsenic	4820	5000	96	90 - 110	P	06/11/2025	17:27	LB136119
	Copper	1220	1250	98	90 - 110	P	06/11/2025	17:27	LB136119
	Zinc	2400	2500	96	90 - 110	P	06/11/2025	17:27	LB136119
CCV04	Arsenic	4860	5000	97	90 - 110	P	06/11/2025	18:21	LB136119
	Copper	1230	1250	98	90 - 110	P	06/11/2025	18:21	LB136119
	Zinc	2480	2500	99	90 - 110	P	06/11/2025	18:21	LB136119
CCV05	Arsenic	4810	5000	96	90 - 110	P	06/11/2025	19:09	LB136119
	Copper	1220	1250	97	90 - 110	P	06/11/2025	19:09	LB136119
	Zinc	2460	2500	98	90 - 110	P	06/11/2025	19:09	LB136119
CCV06	Arsenic	4810	5000	96	90 - 110	P	06/11/2025	20:06	LB136119
	Copper	1190	1250	96	90 - 110	P	06/11/2025	20:06	LB136119
	Zinc	2430	2500	97	90 - 110	P	06/11/2025	20:06	LB136119

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	3860	4000	96	90 - 110	P	06/12/2025	17:58	LB136140
	Copper	1000	1000	100	90 - 110	P	06/12/2025	17:58	LB136140
	Zinc	2040	2000	102	90 - 110	P	06/12/2025	17:58	LB136140

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	22.0	20.0	110	80 - 120	P	06/12/2025	18:02	LB136140
	Copper	21.2	20.0	106	80 - 120	P	06/12/2025	18:02	LB136140
	Zinc	42.5	40.0	106	80 - 120	P	06/12/2025	18:02	LB136140

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	4970	5000	99	90 - 110	P	06/12/2025	18:50	LB136140
	Copper	1240	1250	99	90 - 110	P	06/12/2025	18:50	LB136140
	Zinc	2500	2500	100	90 - 110	P	06/12/2025	18:50	LB136140
CCV02	Arsenic	5010	5000	100	90 - 110	P	06/12/2025	19:42	LB136140
	Copper	1260	1250	101	90 - 110	P	06/12/2025	19:42	LB136140
	Zinc	2540	2500	101	90 - 110	P	06/12/2025	19:42	LB136140
CCV03	Arsenic	4770	5000	95	90 - 110	P	06/13/2025	01:46	LB136140
	Copper	1200	1250	96	90 - 110	P	06/13/2025	01:46	LB136140
	Zinc	2480	2500	99	90 - 110	P	06/13/2025	01:46	LB136140
CCV04	Arsenic	4750	5000	95	90 - 110	P	06/13/2025	01:59	LB136140
	Copper	1190	1250	95	90 - 110	P	06/13/2025	01:59	LB136140
	Zinc	2410	2500	97	90 - 110	P	06/13/2025	01:59	LB136140

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	18.7	20.0	94	65 - 135	P	06/11/2025	14:07	LB136119
	Copper	21.3	20.0	106	65 - 135	P	06/11/2025	14:07	LB136119
	Zinc	41.3	40.0	103	65 - 135	P	06/11/2025	14:07	LB136119
CRI01	Arsenic	20.7	20.0	104	65 - 135	P	06/12/2025	18:12	LB136140
	Copper	21.8	20.0	109	65 - 135	P	06/12/2025	18:12	LB136140
	Zinc	43.4	40.0	108	65 - 135	P	06/12/2025	18:12	LB136140

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	06/11/2025	14:03	LB136119
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	14:03	LB136119
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	14:03	LB136119

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	06/11/2025	14:46	LB136119
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	14:46	LB136119
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	14:46	LB136119
CCB02	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	16:44	LB136119
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	16:44	LB136119
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	16:44	LB136119
CCB03	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	17:34	LB136119
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	17:34	LB136119
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	17:34	LB136119
CCB04	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	18:25	LB136119
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	18:25	LB136119
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	18:25	LB136119
CCB05	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	19:14	LB136119
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	19:14	LB136119
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	19:14	LB136119
CCB06	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	20:11	LB136119
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	20:11	LB136119
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	20:11	LB136119

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	06/12/2025	18:06	LB136140
	Copper	4.60	+/-10	U	20.0	P	06/12/2025	18:06	LB136140
	Zinc	16.7	+/-20	U	40.0	P	06/12/2025	18:06	LB136140

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	06/12/2025	18:55	LB136140
	Copper	4.60	+/-10	U	20.0	P	06/12/2025	18:55	LB136140
	Zinc	16.7	+/-20	U	40.0	P	06/12/2025	18:55	LB136140
CCB02	Arsenic	5.12	+/-10	U	20.0	P	06/12/2025	19:47	LB136140
	Copper	4.60	+/-10	U	20.0	P	06/12/2025	19:47	LB136140
	Zinc	16.7	+/-20	U	40.0	P	06/12/2025	19:47	LB136140
CCB03	Arsenic	5.12	+/-10	U	20.0	P	06/13/2025	01:50	LB136140
	Copper	4.60	+/-10	U	20.0	P	06/13/2025	01:50	LB136140
	Zinc	16.7	+/-20	U	40.0	P	06/13/2025	01:50	LB136140
CCB04	Arsenic	5.12	+/-10	U	20.0	P	06/13/2025	02:03	LB136140
	Copper	4.60	+/-10	U	20.0	P	06/13/2025	02:03	LB136140
	Zinc	16.7	+/-20	U	40.0	P	06/13/2025	02:03	LB136140

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Europastry **SDG No.:** Q2276

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168414BL		**WATER**		**Batch Number:**	**PB168414**		**Prep Date:**	**06/11/2025**	
	Arsenic	2.56	<5	U	10.0	P	06/12/2025	19:09	LB136140
	Copper	2.30	<5	U	10.0	P	06/12/2025	19:09	LB136140
	Zinc	8.33	<10	U	20.0	P	06/12/2025	19:09	LB136140

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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	5.34			-20	20	06/11/2025	14:14	LB136119
	Copper	-6.25	2.0	312	-18	22	06/11/2025	14:14	LB136119
	Zinc	5.34			-40	40	06/11/2025	14:14	LB136119
ICSAB01	Arsenic	96.7	104	93	88.4	120	06/11/2025	14:27	LB136119
	Copper	444	511	87	434	588	06/11/2025	14:27	LB136119
	Zinc	992	952	104	809	1095	06/11/2025	14:27	LB136119
ICSA01	Arsenic	3.55			-20	20	06/12/2025	18:23	LB136140
	Copper	-10.4	2.0	521	-18	22	06/12/2025	18:23	LB136140
	Zinc	6.10			-40	40	06/12/2025	18:23	LB136140
ICSAB01	Arsenic	105	104	101	88.4	120	06/12/2025	18:34	LB136140
	Copper	446	511	87	434	588	06/12/2025	18:34	LB136140
	Zinc	1030	952	108	809	1095	06/12/2025	18:34	LB136140

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Europastry **level:** low **sdg no.:** Q2276

contract: EURO03 **lab code:** CHEM **case no.:** Q2276 **sas no.:** Q2276

matrix: Water **sample id:** Q2279-01 **client id:** 301-469-5TH-AVEMS

Percent Solids for Sample: NA **Spiked ID:** Q2279-01MS **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	381		6.72	J	400	93		P
Copper	ug/L	75 - 125	254		117		150	91		P
Zinc	ug/L	75 - 125	270		166		100	104		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Europastry **level:** low **sdg no.:** Q2276

contract: EURO03 **lab code:** CHEM **case no.:** Q2276 **sas no.:** Q2276

matrix: Water **sample id:** Q2279-01 **client id:** 301-469-5TH-AVEMSD

Percent Solids for Sample: NA **Spiked ID:** Q2279-01MSD **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	374		6.72	J	400	92		P
Copper	ug/L	75 - 125	251		117		150	89		P
Zinc	ug/L	75 - 125	259		166		100	93		P

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Metals
- 5b -

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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: Europastry **Level:** LOW **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

Matrix: Water **Sample ID:** Q2279-01 **Client ID:** 301-469-5TH-AVEDUP

Percent Solids for Sample: NA **Duplicate ID** Q2279-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	6.72	J	8.39	J	22		P
Copper	ug/L	20	117		115		2		P
Zinc	ug/L	20	166		167		1		P

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

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Europastry **Level:** LOW **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

Matrix: Water **Sample ID:** Q2279-01MS **Client ID:** 301-469-5TH-AVEMSD

Percent Solids for Sample: NA **Duplicate ID** Q2279-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	381		374		2		P
Copper	ug/L	20	254		251		1		P
Zinc	ug/L	20	270		259		4		P

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168414BS							
Arsenic	ug/L	400	393		98	80 - 120	P
Copper	ug/L	150	157		105	80 - 120	P
Zinc	ug/L	100	103		103	80 - 120	P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

301-469-5TH-AVEL

Lab Name: Chemtech Consulting Group **Contract:** EURO03

Lab Code: CHEM **Lb No.:** lb136119 **Lab Sample ID :** Q2279-01L **SDG No.:** Q2276

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	6.72	J	50.0	U	100.0		P
Copper	117		125		6		P
Zinc	166		161		3		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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
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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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
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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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
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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Case No.:** Q2276 **SAS No.:** Q2276

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
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

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Europastry **SDG No.:** Q2276

Contract: EURO03 **Lab Code:** CHEM **Method:**

Case No.: Q2276 **SAS No.:** Q2276

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168414**						
PB168414BL	PB168414BL	MB	WATER	06/11/2025	50.0	25.0	
PB168414BS	PB168414BS	LCS	WATER	06/11/2025	50.0	25.0	
Q2276-01	MH-6-10-2025	SAM	WATER	06/11/2025	5.0	25.0	
Q2279-01DUP	301-469-5TH-AVEDUP	DUP	WATER	06/11/2025	50.0	25.0	
Q2279-01MS	301-469-5TH-AVEMS	MS	WATER	06/11/2025	50.0	25.0	
Q2279-01MSD	301-469-5TH-AVEMSD	MSD	WATER	06/11/2025	50.0	25.0	

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metals
- 14 -
ANALYSIS RUN LOG

Client: Europastry **Contract:** EURO03

Lab code: CHEM **Case no.:** Q2276 **Sas no.:** Q2276 **Sdg no.:** Q2276

Instrument id number: **Method:** **Run number:** LB136119

Start date: 06/11/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1236	As,Cu,Zn
S1	S1	1	1241	As,Cu,Zn
S2	S2	1	1245	As,Cu,Zn
S3	S3	1	1249	As,Cu,Zn
S4	S4	1	1253	As,Cu,Zn
S5	S5	1	1258	As,Cu,Zn
ICV01	ICV01	1	1353	As,Cu,Zn
LLICV01	LLICV01	1	1357	As,Cu,Zn
ICB01	ICB01	1	1403	As,Cu,Zn
CRI01	CRI01	1	1407	As,Cu,Zn
ICSA01	ICSA01	1	1414	As,Cu,Zn
ICSAB01	ICSAB01	1	1427	As,Cu,Zn
CCV01	CCV01	1	1442	As,Cu,Zn
CCB01	CCB01	1	1446	As,Cu,Zn
Q2279-01DUP	301-469-5TH-AVEDUP	1	1607	As,Cu,Zn
Q2279-01L	301-469-5TH-AVEL	5	1611	As,Cu,Zn
CCV02	CCV02	1	1633	As,Cu,Zn
CCB02	CCB02	1	1644	As,Cu,Zn
Q2279-01MS	301-469-5TH-AVEMS	1	1649	As,Cu,Zn
Q2279-01MSD	301-469-5TH-AVEMSD	1	1653	As,Cu,Zn
CCV03	CCV03	1	1727	As,Cu,Zn
CCB03	CCB03	1	1734	As,Cu,Zn
CCV04	CCV04	1	1821	As,Cu,Zn
CCB04	CCB04	1	1825	As,Cu,Zn
CCV05	CCV05	1	1909	As,Cu,Zn
CCB05	CCB05	1	1914	As,Cu,Zn
Q2276-01	MH-6-10-2025	5	1959	As,Cu,Zn
CCV06	CCV06	1	2006	As,Cu,Zn
CCB06	CCB06	1	2011	As,Cu,Zn

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metals
- 14 -
ANALYSIS RUN LOG

Client: Europastry **Contract:** EURO03

Lab code: CHEM **Case no.:** Q2276 **Sas no.:** Q2276 **Sdg no.:** Q2276

Instrument id number: **Method:** **Run number:** LB136140

Start date: 06/12/2025 **End date:** 06/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1712	As,Cu,Zn
S1	S1	1	1717	As,Cu,Zn
S2	S2	1	1721	As,Cu,Zn
S3	S3	1	1725	As,Cu,Zn
S4	S4	1	1729	As,Cu,Zn
S5	S5	1	1733	As,Cu,Zn
ICV01	ICV01	1	1758	As,Cu,Zn
LLICV01	LLICV01	1	1802	As,Cu,Zn
ICB01	ICB01	1	1806	As,Cu,Zn
CRI01	CRI01	1	1812	As,Cu,Zn
ICSA01	ICSA01	1	1823	As,Cu,Zn
ICSAB01	ICSAB01	1	1834	As,Cu,Zn
CCV01	CCV01	1	1850	As,Cu,Zn
CCB01	CCB01	1	1855	As,Cu,Zn
PB168414BL	PB168414BL	1	1909	As,Cu,Zn
PB168414BS	PB168414BS	1	1913	As,Cu,Zn
CCV02	CCV02	1	1942	As,Cu,Zn
CCB02	CCB02	1	1947	As,Cu,Zn
CCV03	CCV03	1	0146	As,Cu,Zn
CCB03	CCB03	1	0150	As,Cu,Zn
CCV04	CCV04	1	0159	As,Cu,Zn
CCB04	CCB04	1	0203	As,Cu,Zn

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LAB CHRONICLE

OrderID:	Q2276	**OrderDate:**	6/10/2025 11:49:37 AM
Client:	Europastry	**Project:**	MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Contact:	Kevin Carlucci	**Location:**	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2276-01	**MH-6-10-2025**	**WATER**			**06/10/25 11:10**			**06/10/25**
			BOD5	SM5210 B			06/11/25 16:40	
			COD	SM5220 D			06/12/25 14:17	
			Oil and Grease	1664A			06/13/25 09:30	
			pH	9040C			06/11/25 11:45	
			TPH	1664A			06/13/25 09:30	
			TSS	SM2540 D			06/13/25 10:00	

SAMPLE DATA

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Report of Analysis

Client:	Europastry	Date Collected:	06/10/25 11:10
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	Date Received:	06/10/25
Client Sample ID:	MH-6-10-2025	SDG No.:	Q2276
Lab Sample ID:	Q2276-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
BOD5	498		1	0.20	2.00	mg/L		06/11/25 16:40	SM 5210 B-16
COD	9670	D	100	150	1000	mg/L		06/12/25 14:17	SM 5220 D-11
Oil and Grease	803		1	0.29	5.00	mg/L		06/13/25 09:30	1664A
pH	3.76	H	1	0	0	pH		06/11/25 11:45	9040C
TPH	403		1	0.29	5.00	mg/L		06/13/25 09:30	1664A
TSS	2320		1	1.00	4.00	mg/L		06/13/25 10:00	SM 2540 D-15

Comments: pH result reported at temperature 20.1 °C

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
H = Sample Analysis Out Of Hold Time
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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: Europastry **SDG No.:** Q2276

Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ **RunNo.:** LB136102

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.00	7	100	90-110	06/11/2025
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	06/11/2025
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	06/11/2025

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Initial and Continuing Calibration Verification

Client:	Europastry	**SDG No.:**	Q2276
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	**RunNo.:**	LB136134

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
COD		mg/L	50.962	50	102	95-105	05/28/2025
Sample ID:	**CCV1**						
COD		mg/L	49.946	50	100	95-105	06/12/2025
Sample ID:	**CCV2**						
COD		mg/L	48.931	50	98	95-105	06/12/2025
Sample ID:	**CCV3**						
COD		mg/L	50.962	50	102	95-105	06/12/2025

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Initial and Continuing Calibration Blank Summary

Client:	Europastry	**SDG No.:**	Q2276
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	**RunNo.:**	LB136134

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	05/28/2025
Sample ID:	**CCB1**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	06/12/2025
Sample ID:	**CCB2**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	06/12/2025
Sample ID:	**CCB3**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	06/12/2025

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Preparation Blank Summary

Client: Europastry **SDG No.:** Q2276

Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136118BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	06/11/2025
Sample ID: LB136134BL							
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	06/12/2025
Sample ID: LB136143BL							
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	06/13/2025
Sample ID: LB136144BL							
TPH	mg/L	< 2.5000	2.5000	U	0.29	5.0	06/13/2025
Sample ID: LB136145BL							
TSS	mg/L	1	2.0000	J	1	4	06/13/2025

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Matrix Spike Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2276-01
Client ID: MH-6-10-2025MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	31.8		803		20.0	1	-3850	*	06/13/2025

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Matrix Spike Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2276-01
Client ID: MH-6-10-2025MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	32.6		803		20.0	1	-3850	*	06/13/2025

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Matrix Spike Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2294-01
Client ID: Outfall 1MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	64.2		18.5		50.0	1	91		06/12/2025

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Matrix Spike Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2294-01
Client ID: Outfall 1MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	64.2		18.5		50.0	1	91		06/12/2025

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Matrix Spike Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2309-01
Client ID: EFFLUENTMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	41.9		22.1		20.0	1	99		06/13/2025

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Matrix Spike Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2309-01
Client ID: EFFLUENTMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	42.3		22.1		20.0	1	101		06/13/2025

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Duplicate Sample Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: LB136144BS
Client ID: LB136144BSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TPH	mg/L	+/-18	17.0		17.0		1	0		06/13/2025

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Duplicate Sample Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2286-03
Client ID: LAW-25-0084DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	6.05		6.06		1	0.17		06/11/2025
BOD5	mg/L	+/-20	495		494		1	0.12		06/11/2025

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Duplicate Sample Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2293-01
Client ID: SW-3DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TSS	mg/L	+/-5	235		235		1	0.34		06/13/2025

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Duplicate Sample Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2294-01
Client ID: Outfall 1DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
COD	mg/L	+/-20	18.5		19.5		1	5.26		06/12/2025

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Duplicate Sample Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2294-01
Client ID: Outfall 1MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
COD	mg/L	+/-20	64.2		64.2		1	0		06/12/2025

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Duplicate Sample Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2276-01
Client ID: MH-6-10-2025MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/L	+/-18	31.8		32.6		1	2.5		06/13/2025

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Duplicate Sample Summary

Client: Europastry
SDG No.: Q2276
Project: MCUA Permit No 14241 - 571 Jersey Ave NB NJ
Sample ID: Q2309-01
Client ID: EFFLUENTMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/L	+/-18	41.9		42.3		1	0.95		06/13/2025

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Laboratory Control Sample Summary

Client:	Europastry	**SDG No.:**	Q2276
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	**Run No.:**	LB136118

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136118BS								
BOD5	mg/L	198	188		95	1	84.6-115.4	06/11/2025

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Laboratory Control Sample Summary

Client:	Europastry	**SDG No.:**	Q2276
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	**Run No.:**	LB136134

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136134BS								
COD	mg/L	50	47.9		96	1	90-110	06/12/2025

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Laboratory Control Sample Summary

Client:	Europastry	**SDG No.:**	Q2276
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	**Run No.:**	LB136143

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136143BS								
Oil and Grease	mg/L	20.0	16.8		84	1	78-114	06/13/2025

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Laboratory Control Sample Summary

Client:	Europastry	**SDG No.:**	Q2276
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	**Run No.:**	LB136144

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136144BS								
TPH	mg/L	20.0	17.0		85	1	78-114	06/13/2025

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

Laboratory Control Sample Summary

Client:	Europastry	**SDG No.:**	Q2276
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	**Run No.:**	LB136144

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136144BSD								
TPH	mg/L	20.0	17.0		85	1	78-114	06/13/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample Summary

Client:	Europastry	**SDG No.:**	Q2276
Project:	MCUA Permit No 14241 - 571 Jersey Ave NB NJ	**Run No.:**	LB136145

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136145BS								
TSS	mg/L	550	532		97	1	90-110	06/13/2025