

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : WASTE WATER 2025

LEO INGWER, INC.

62 West 47th Street

Suite #1004

New York, NY - 10036-328654

Phone No: 212-719-1342

ORDER ID : Q2376

ATTENTION : Matt Selig



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2376

Project ID : Waste Water 2025

Client : LEO Ingwer, Inc.

Lab Sample Number

Q2376-01
Q2376-02

Client Sample Number

EFFLUENT
EFFLUENT-METALS

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:13 am, Jul 07, 2025

Date: 7/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

LEO Ingwer, Inc.

Project Name: Waste Water 2025

Project # N/A

Order ID # Q2376

Test Name: Mercury, Metals ICP-Group1

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/20/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Mercury, Metals Group1 and Metals ICP-Group1. This data package contains results for Mercury, Metals ICP-Group1.

C. Analytical Techniques:

The analysis and digestion of Metals ICP-Group1 was based on 200.7 and The analysis and digestion of Mercury was based on 245.1.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all parameters.

The Duplicate analysis met criteria for all parameters.

The Matrix Spike analysis met criteria for all parameters.

The Matrix Spike Duplicate analysis met criteria for all parameters.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:13 am, Jul 07, 2025



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

CASE NARRATIVE

LEO Ingwer, Inc.

Project Name: Waste Water 2025

Project # N/A

Order ID # Q2376

Test Name: Cyanide,Cyanide-Amenable

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/20/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Mercury, Metals Group1 and Metals ICP-Group1. This data package contains results for Cyanide,Cyanide-Amenable.

C. Analytical Techniques:

The analysis of Cyanide-Amenable was based on method SM4500-CN B,G Cyanide-Amenable and The analysis of Cyanide was based on method SM4500-CN C,E.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all parameters.

The Duplicate analysis met criteria for all parameters.

The Matrix Spike analysis met criteria for all parameters.

The Matrix Spike Duplicate analysis met criteria for all parameters.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments: Samples were received on 06/20/2025, 09:25 and composited in the Lab on 06/20/2025, 11:30.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:13 am, Jul 07, 2025

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2376

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: MOHAMMAD AHMED

Date: 07/03/2025

Hit Summary Sheet
SW-846

SDG No.:	Q2376	Order ID:	Q2376
Client:	LEO Ingwer, Inc.	Project ID:	Waste Water 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFFLUENT-METALS								
Q2376-02	EFFLUENT-METALS	Water	Cadmium	0.32	J	0.31	3.00	ug/L
Q2376-02	EFFLUENT-METALS	Water	Chromium	343		0.53	5.00	ug/L
Q2376-02	EFFLUENT-METALS	Water	Copper	1460		1.89	10.0	ug/L
Q2376-02	EFFLUENT-METALS	Water	Lead	6.78		1.21	6.00	ug/L
Q2376-02	EFFLUENT-METALS	Water	Mercury	0.17	J	0.027	0.20	ug/L
Q2376-02	EFFLUENT-METALS	Water	Nickel	220		1.90	20.0	ug/L
Q2376-02	EFFLUENT-METALS	Water	Silver	41.6		0.81	5.00	ug/L
Q2376-02	EFFLUENT-METALS	Water	Zinc	259		1.60	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	LEO Ingwer, Inc.	Date Collected:	06/19/25
Project:	Waste Water 2025	Date Received:	06/20/25
Client Sample ID:	EFFLUENT-METALS	SDG No.:	Q2376
Lab Sample ID:	Q2376-02	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.
7440-43-9	Cadmium	0.32	J	1	0.31	3.00	ug/L	06/25/25 14:50	06/26/25 19:18	EPA 200.7	E200.7
7440-47-3	Chromium	343		1	0.53	5.00	ug/L	06/25/25 14:50	06/26/25 19:18	EPA 200.7	E200.7
7440-50-8	Copper	1460		1	1.89	10.0	ug/L	06/25/25 14:50	06/26/25 19:18	EPA 200.7	E200.7
7439-92-1	Lead	6.78		1	1.21	6.00	ug/L	06/25/25 14:50	06/26/25 19:18	EPA 200.7	E200.7
7439-97-6	Mercury	0.17	J	1	0.027	0.20	ug/L	06/27/25 10:10	06/27/25 13:43	E245.1	
7439-98-7	Molybdenum	8.80	U	1	8.80	100	ug/L	06/25/25 14:50	06/26/25 19:18	EPA 200.7	E200.7
7440-02-0	Nickel	220		1	1.90	20.0	ug/L	06/25/25 14:50	06/26/25 19:18	EPA 200.7	E200.7
7440-22-4	Silver	41.6		1	0.81	5.00	ug/L	06/25/25 14:50	06/26/25 19:18	EPA 200.7	E200.7
7440-66-6	Zinc	259		1	1.60	20.0	ug/L	06/25/25 14:50	06/26/25 19:18	EPA 200.7	E200.7

Color Before:	Colorless	Clarity Before:	Cloudy	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

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

LAB CHRONICLE

OrderID:	Q2376	OrderDate:	6/20/2025 11:20:00 AM
Client:	LEO Ingwer, Inc.	Project:	Waste Water 2025
Contact:	Matt Selig	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2376-02	EFFLUENT-METALS	Water			06/19/25			06/20/25
			Mercury	245.1		06/27/25	06/27/25	
			Metals ICP-Group1	200.7		06/25/25	06/26/25	



SAMPLE DATA

Report of Analysis

Client:	LEO Ingwer, Inc.	Date Collected:	06/20/25 11:30
Project:	Waste Water 2025	Date Received:	06/20/25
Client Sample ID:	EFFLUENT	SDG No.:	Q2376
Lab Sample ID:	Q2376-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0016	J	1	0.0012	0.0050	mg/L	06/25/25 08:45	06/25/25 11:43	SM 4500-CN C-21 plus E-21
Cyanide-Amenable	0.0012	U	1	0.0012	0.0050	mg/L		06/25/25 00:00	SM4500-CN G

Comments: _____

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

LAB CHRONICLE

OrderID:	Q2376	OrderDate:	6/20/2025 11:20:00 AM
Client:	LEO Ingwer, Inc.	Project:	Waste Water 2025
Contact:	Matt Selig	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2376-01	EFFLUENT	WATER			06/20/25 11:30			06/20/25
			Cyanide	SM4500-CN C,E		06/25/25	06/25/25 11:43	
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amenable			06/25/25 00:00	



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: **Leo Ingwer Inc**
ADDRESS: **62 W 47 Ste 1004**
CITY: **NY** STATE: **NY** ZIP: **10036**
ATTENTION: **Matt Selig**
PHONE: **212 719 1342 x 3176** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Leo Ingwer Water test**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **Matt Selig**
e-mail: **matthews@leoingwer.com**
PHONE: **212 719 1342** FAX:

CLIENT BILLING INFORMATION

BILL TO: **Same** PO#: **7**
ADDRESS: **Same**
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE F-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	#1-612				6/12	10 ^{AM}	1	X									
2.					6/12												
3.	#2-612				6/12	11 ³⁰	1	X									
4.					6/12												
5.	#3 612				6/12	1 ^{PM}	1	X									
6.					6/12												
7.	#4 612				6/12	3:30	1	X									
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 9:25	RECEIVED BY:	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 7.8 °C
1.	6/17/25	1. OR	Comments: 72 Can #1
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Leo Inover
ADDRESS: 62 W 47
CITY: STATE: ZIP:
ATTENTION: PHONE: FAX:

PROJECT NAME: Matt Selig / Altin Yazmeen
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail: PHONE: FAX:

BILL TO: PO#: ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	#1				6/19	10 ^{am}											Nitric Acid pH 1.3 #80A0441
2.																	
3.																	
4.																	
5.	#2				6/19	12 ^{pm}											Nitric Acid pH 1.3 #80A0441
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 6/20/25	RECEIVED BY: CR	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP: 2.4 °C
1.		1.	Comments: If 604 #1
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

7

Date: 6/20/25

Client Project Name : Waste Water 2025

Instructions: Composite samples (4:1)

Sample Custodian: C. Peña

[illegible]

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488