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

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

Table Of Contents for Q2376

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

Cover Page

Order ID : Q2376

Project ID : Waste Water 2025

Client : LEO Ingwer, Inc.

Lab Sample Number	Client Sample Number
Q2376-01	EFFLUENT
Q2376-02	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 : _____

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_____

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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_____

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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

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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

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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

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

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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

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

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

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

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2376
COC Number 2046556

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Leo Ingwer Inc
ADDRESS: 62 W 47 Ste 1004
CITY NY STATE: NY ZIP: 10036
ATTENTION: Matt Seliy
PHONE: 212 719 1342 x 3176 FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

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

ANALYSIS

PRESERVATIVES: 1 N 2 3 4 5 6 7 8 9

COMMENTS: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	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.																

Please Run All Compositing Metals

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/17/25 9:26	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 4.8 °C °C
Comments: TAT Con #1

Page ____ of

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

Alliance TECHNICAL GROUP
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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2376
COC Number 2047505

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Leo Energy
ADDRESS:
CITY STATE: ZIP:
ATTENTION: 62 W 47
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Mad Sdg / Attn Yaz Meen
PROJECT NO: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

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 + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	#1				6/19	10 AM											Nitric Acid
2.																	pH 1.3 #80A0441
3.																	
4.																	
5.	#2				6/19	12 PM											Nitric Acid
6.																	pH 1.3 #80A0441
7.																	
8.																	
9.																	
10.																	

1 2 3 4 5 6 7 8 9

Yaz meen Call Matt

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/20/25 9:50	1. CR
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.4 °C
Comments: If Could #1

Page _____ of

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete
❑ YES ❑ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance Technical Group, LLC - Newark 284 Sheffield Street Mountainside, NJ 07092

Laboratory Composite Sample log

Lab Project number: Q2376 Date: 6/20/25

Client Name: LEO Ingwer, INC. Client Project Name : Waste Water 2025

Instructions: Composite samples (4:1)

Sample Custodian: C. Reria

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
#1 - 612	250 mL	EFFLUENT	Clear Water	11:30	
# 2 - 612	250 mL				
# 3 - 612	250 mL				
# 4 - 612	250 mL				

QA Control # A3041251

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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