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

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : WASTE WATER 2024

LEO INGWER, INC.

62 West 47th Street

Suite #1004

New York, NY - 10036-328654

Phone No: 212-719-1342

ORDER ID : P4632

ATTENTION : Matt Selig

Laboratory Certification ID # 20012

Table Of Contents for P4632

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Cover Page

Order ID : P4632

Project ID : Waste Water 2024

Client : LEO Ingwer, Inc.

Lab Sample Number	Client Sample Number
P4632-01	EFFLUENT
P4632-02	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: 11/20/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

LEO Ingwer, Inc.
Project Name: Waste Water 2024
Project # N/A
Chemtech Project # P4632
Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:
2 Water samples were received on 10/30/2024.

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 Metals ICP-Group1,Mercury.

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 samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (Q4-WWMS) analysis met criteria for all samples except for Cadmium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate analysis met criteria for all samples.
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 2024
Project # N/A
Chemtech Project # P4632
Test Name: Cyanide,Cyanide-Amenable

A. Number of Samples and Date of Receipt:
2 Water samples were received on 10/30/2024.

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 samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the 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_____

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 #: P4632

	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: SOHIL JODHANI **Date:** 11/20/2024

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Hit Summary Sheet
SW-846

SDG No.: P4632 **Order ID:** P4632

Client: LEO Ingwer, Inc. **Project ID:** Waste Water 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFFLUENT-METALS								
P4632-02	EFFLUENT-METALS	Water	Chromium	2.41	J	0.52	5.00	ug/L
P4632-02	EFFLUENT-METALS	Water	Copper	250		1.52	10.0	ug/L
P4632-02	EFFLUENT-METALS	Water	Lead	4.37	J	1.57	6.00	ug/L
P4632-02	EFFLUENT-METALS	Water	Mercury	0.073	J	0.022	0.20	ug/L
P4632-02	EFFLUENT-METALS	Water	Nickel	7.62	J	1.28	20.0	ug/L
P4632-02	EFFLUENT-METALS	Water	Silver	2.77	J	0.83	5.00	ug/L
P4632-02	EFFLUENT-METALS	Water	Zinc	90.3		1.44	20.0	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	LEO Ingwer, Inc.	Date Collected:	10/29/24
Project:	Waste Water 2024	Date Received:	10/30/24
Client Sample ID:	EFFLUENT-METALS	SDG No.:	P4632
Lab Sample ID:	P4632-02	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	0.21	UN	1	0.21	3.00	ug/L	11/04/24 11:30	11/13/24 18:40	EPA 200.7	
7440-47-3	Chromium	2.41	J	1	0.52	5.00	ug/L	11/04/24 11:30	11/13/24 18:40	EPA 200.7	
7440-50-8	Copper	250		1	1.52	10.0	ug/L	11/04/24 11:30	11/13/24 18:40	EPA 200.7	
7439-92-1	Lead	4.37	J	1	1.57	6.00	ug/L	11/04/24 11:30	11/13/24 18:40	EPA 200.7	
7439-97-6	Mercury	0.073	J	1	0.022	0.20	ug/L	11/01/24 11:16	11/01/24 17:05	E245.1	
7439-98-7	Molybdenum	5.11	U	1	5.11	100	ug/L	11/04/24 11:30	11/13/24 18:40	EPA 200.7	
7440-02-0	Nickel	7.62	J	1	1.28	20.0	ug/L	11/04/24 11:30	11/13/24 18:40	EPA 200.7	
7440-22-4	Silver	2.77	J	1	0.83	5.00	ug/L	11/04/24 11:30	11/13/24 18:40	EPA 200.7	
7440-66-6	Zinc	90.3		1	1.44	20.0	ug/L	11/04/24 11:30	11/13/24 18:40	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	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

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

LAB CHRONICLE

OrderID:	P4632	**OrderDate:**	10/30/2024 11:18:00 AM
Client:	LEO Ingwer, Inc.	**Project:**	Waste Water 2024
Contact:	Matt Selig	**Location:**	K63

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4632-02	**EFFLUENT-METALS**	**Water**			**10/29/24**			**10/30/24**
			Mercury	245.1		11/01/24	11/01/24	
			Metals ICP-Group1	200.7		11/04/24	11/13/24	

SAMPLE DATA

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

Report of Analysis

Client:	LEO Ingwer, Inc.	Date Collected:	10/29/24 12:00
Project:	Waste Water 2024	Date Received:	10/30/24
Client Sample ID:	EFFLUENT	SDG No.:	P4632
Lab Sample ID:	P4632-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0025	J	1	0.00093	0.0050	mg/L	11/11/24 08:00	11/11/24 12:54	SM 4500-CN C-16 plus E-16
Cyanide-Amenable	0.0010	U	1	0.0010	0.0050	mg/L		11/11/24 00:00	SM 4500-CN B-16 plus G-16

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:	P4632	**OrderDate:**	10/30/2024 11:18:00 AM
Client:	LEO Ingwer, Inc.	**Project:**	Waste Water 2024
Contact:	Matt Selig	**Location:**	K63

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4632-01	**EFFLUENT**	**WATER**			**10/29/24 12:00**			**10/30/24**
			Cyanide	SM4500-CN C,E		11/11/24	11/11/24 12:54	
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amenable			11/11/24 00:00	

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

10/29/24

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

CHEMTECH PROJECT NO. QUOTE NO. P4632

COC Number 2042221

7 7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:

ADDRESS: Leo Incwer Inv

CITY 62 W 47th St Ste 1004 STATE: ZIP:

ATTENTION: NY NY 10036

PHONE: 212 714-1342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: LEOFALL24

PROJECT NO.: LOCATION:

PROJECT MANAGER: Matt Selig

e-mail: mathaus@leoingwer.com

PHONE: 917 750 1671 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 DAYS

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 2 3 4 5 6 7 8 9

COMMENTS

← Specify Preservatives

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

CHEMTECH 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	COMMENTS
1.	#1 + #5				10/29	9AM											
2.																	
3.	#2				10/29	10AM											
4.																	
5.	#3 + #6				10/29	11AM											
6.	#4				10/29	12PM											
7.																	
8.																	
9.																	
10.																	

Composite Metal Sample
4 - Sodium Hyd.
2 - Nitric Acid

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. FedEx	1000 10/30/24	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9°C °C

Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____

CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

HEMTECH
284 Sheffield Street Mountainside, NJ 07092

Laboratory Composite Sample log

hemtech Project number: P4632 Date: 10-30-24

ient Name: Leo Ingwer, INC Client Project Name : waste water 2024

structions: Composite Cyanide samples 4:1

ample Custodian:

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
#1	125 ml	EFFLUENT	"CLEAR WATER"	1200	125ml x4 = 500ml
#2					
#3					
#4					

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