

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



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Cover Page

Order ID : P4632

Project ID : Waste Water 2024

Client : LEO Ingwer, Inc.

Lab Sample Number

P4632-01
P4632-02

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 : N. N. Pandya

NYDOH CERTIFICATION NO - 11376

APPROVED

Date: 11/20/2024
By Nimisha Pandya, QA/QC Supervisor at 9:52 am, Nov 20, 2024

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 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 N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:54 am, Nov 20, 2024



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

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 N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:54 am, Nov 20, 2024

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 #: 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 Custody

✓

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

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

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

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

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

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.

COC Number

P4632
2042221

7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Leo Incwer Inc
ADDRESS: 62w 47th St Apt 1004
CITY: NY NY 10036
ATTENTION: 212-714-1342
PHONE: 714-1342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: LEO FALL 24
PROJECT NO.: LOCATION:
PROJECT MANAGER: Matt Selig
e-mail: matthaws@leoincwer.com
PHONE: 917 750 1671 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
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 DAYS

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 _____

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	#1 + #5				10/29	9 AM											
2.																	
3.	#2				10/29	10 AM											
4.																	
5.	#3 + #6				10/29	11 AM											
6.	#4				10/29	12 PM											
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. FedEx	DATE/TIME: 10/30/24	RECEIVED BY: [Signature]	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 3.9°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:	

Page ____ of ____

CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other	Shipment Complete
CHEMTECH: <input type="checkbox"/> Picked Up <input type="checkbox"/> Field Sampling	<input type="checkbox"/> YES <input type="checkbox"/> NO

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