

# **DATA PACKAGE**

GENERAL CHEMISTRY METALS

**PROJECT NAME: SEMI-ANNUAL 2025** 

TANAGRO CORP.

**36 W 44th Street Room 1101** 

11th Floor

New York, NY - 10036

Phone No: 212-753-2817

**ORDER ID: Q3158** 

**ATTENTION: Marcelo Pittari** 







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# **Cover Page**

Order ID: Q3158

**Project ID:** Semi-Annual 2025

**Client:** Tanagro Corp.

**Lab Sample Number** 

**Client Sample Number** 

Q3158-01 EFFLUENT-DAY-1-METALS

Q3158-02 EFF-DAY-1-1-4CN

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 1:31 pm, Sep 25, 2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

9/25/2025

Date:

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

### **CASE NARRATIVE**

Tanagro Corp.

**Project Name: Semi-Annual 2025** 

Project # N/A Order ID # Q3158

**Test Name: Mercury, Metals ICP-Group1** 

#### A. Number of Samples and Date of Receipt:

2 Water samples were received on 09/19/2025.

#### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Mercury, 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 compounds.

The Duplicate (EFFLUENT-DAY-1-METALSMSD) analysis met criteria for all compounds except for Silver due to sample matrix high unknown interferences during digestion with chemicals.

The Matrix Spike (EFFLUENT-DAY-1-METALSMS) analysis met criteria for all compounds except for Silver and Zinc due to sample matrix high unknown interferences during digestion with chemicals.

The Matrix Spike Duplicate (EFFLUENT-DAY-1-METALSMSD) analysis met criteria for all compounds except for Copper and Zinc due to sample matrix high unknown interferences during digestion with chemicals.

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:

The Post Digest Spike (EFFLUENT-DAY-1-METALSA) analysis met criteria for all compounds except for Silver and Zinc due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

As per special requirement for this project form-1 and Hit Summary are reported in mg/l.

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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.

**APPROVED** 

By Nimisha Pandya, QA/QC Supervisor at 1:31 pm, Sep 25, 2025

Signature\_

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

#### CASE NARRATIVE

Tanagro Corp.

**Project Name: Semi-Annual 2025** 

Project # N/A Order ID # O3158

Test Name: Cyanide, Cyanide-Amenable

#### A. Number of Samples and Date of Receipt:

1 Water sample was received on 09/19/2025.

#### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable. 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 compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

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

The Calibration met the requirements.

#### E. Additional Comments:

Samples were received on 09/19/2025 00:00 and composited in the Lab on 09/22/2025 07:30.

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.

**APPROVED** 

Signature

By Nimisha Pandya, QA/QC Supervisor at 1:32 pm, Sep 25, 2025

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#### 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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Aliance

#### APPENDIX A

#### **QA REVIEW GENERAL DOCUMENTATION**

Project #: Q3158

	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)	<u> </u>
Check chain-of-custody for proper relinquish/return of samples	<u> </u>
Is the chain of custody signed and complete	<u> </u>
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	<del>'</del> <del>'</del> <del>'</del> <del>'</del> <del>'</del> <del>'</del>
Collect information for each project id from server. Were all requirements followed	<u> </u>
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	<u> </u>
Do lab numbers and client Ids on cover page agree with the Chain of Custody	<u> </u>
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	<u> </u>
Do requested analyses on Chain of Custody agree with the log-in page	<u> </u>
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	<u> </u>
Were the samples received within hold time	<u> </u>
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	<u> </u>
ANALYTICAL:	
Was method requirement followed?	<u> </u>
Was client requirement followed?	<u> </u>
Does the case narrative summarize all QC failure?	<del>'</del> <del>'</del> <del>'</del> <del>'</del> <del>'</del> <del>'</del>
All runlogs and manual integration are reviewed for requirements	<u> </u>
All manual calculations and /or hand notations verified	<u> </u>

QA Review Signature: SOHIL JODHANI Date: 09/25/2025

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SDG No.:

Q3158

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

#### Hit Summary Sheet SW-846

Order ID: Q3158

Client: Tanagro Corp. Project ID: Semi-Annual 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	$\mathbf{C}$	MDL	RDL	Units
Client ID:	EFFLUENT-DAY-1-METALS							
Q3158-01	EFFLUENT-DAY-1-METALS	Water	Cadmium	0.00093	J	0.00031	0.0030	mg/L
Q3158-01	EFFLUENT-DAY-1-METALS	Water	Chromium	0.0032	J	0.00053	0.0050	mg/L
Q3158-01	EFFLUENT-DAY-1-METALS	Water	Copper	0.18		0.0019	0.010	mg/L
Q3158-01	EFFLUENT-DAY-1-METALS	Water	Lead	0.0077		0.0012	0.0060	mg/L
Q3158-01	EFFLUENT-DAY-1-METALS	Water	Mercury	0.000053	J	0.000027	0.00020	mg/L
Q3158-01	EFFLUENT-DAY-1-METALS	Water	Nickel	0.0040	J	0.0019	0.020	mg/L
Q3158-01	EFFLUENT-DAY-1-METALS	Water	Silver	0.020		0.00081	0.0050	mg/L
Q3158-01	EFFLUENT-DAY-1-METALS	Water	Zinc	0.20		0.0020	0.020	mg/L

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C

# SAMPLE DATA

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Fax: 908 789 8922

#### **Report of Analysis**

Client: Tanagro Corp. Date Collected: 09/19/25 Project: Semi-Annual 2025 Date Received: 09/19/25 Client Sample ID: **EFFLUENT-DAY-1-METALS** SDG No.: Q3158 Lab Sample ID: Q3158-01 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.
7440-43-9	Cadmium	0.00093	J	1	0.00031	0.0030	mg/L	09/22/25 14:15	09/23/25 15:51	EPA 200.7
7440-47-3	Chromium	0.0032	J	1	0.00053	0.0050	mg/L	09/22/25 14:15	09/23/25 15:51	EPA 200.7
7440-50-8	Copper	0.18	N	1	0.0019	0.010	mg/L	09/22/25 14:15	09/23/25 15:51	EPA 200.7
7439-92-1	Lead	0.0077		1	0.0012	0.0060	mg/L	09/22/25 14:15	09/23/25 15:51	EPA 200.7
7439-97-6	Mercury	0.000053	J	1	0.000027	0.00020	mg/L	09/23/25 08:40	09/23/25 15:18	E245.1
7439-98-7	Molybdenum	0.0088	U	1	0.0088	0.10	mg/L	09/22/25 14:15	09/23/25 15:51	EPA 200.7
7440-02-0	Nickel	0.0040	J	1	0.0019	0.020	mg/L	09/22/25 14:15	09/23/25 15:51	EPA 200.7
7440-22-4	Silver	0.020	N*	1	0.00081	0.0050	mg/L	09/22/25 14:15	09/23/25 15:51	EPA 200.7
7440-66-6	Zinc	0.20	N	1	0.0020	0.020	mg/L	09/22/25 14:15	09/23/25 15:51	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

Q3158



#### LAB CHRONICLE

OrderID: Q3158

Client: Tanagro Corp.

Contact: Marcelo Pittari

OrderDate: 9/19/2025 4:04:00 PM

Project: Semi-Annual 2025

Location: D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3158-01	EFFLUENT-DAY-1-MET ALS	Water			09/19/25			09/19/25
	ALS		Mercury Metals ICP-Group1	245.1 200.7		09/23/25 09/22/25	09/23/25 09/23/25	

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# SAMPLE DATA

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

### **Report of Analysis**

Client: Tanagro Corp. Date Collected: 09/22/25 07:30 Project: Semi-Annual 2025 Date Received: 09/19/25 Client Sample ID: EFF-DAY-1-1-4CN SDG No.: Q3158 Lab Sample ID: Q3158-02 Matrix: WATER % Solid: 0

Parameter	Conc. Qua	. D	F MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0012 U	1	0.0012	0.0050	mg/L	09/22/25 13:00	09/23/25 10:49	
Cyanide-Amenable	0.0012 U	1	0.0012	0.0050	mg/L		09/23/25 00:00	C-21 plus E-21 SM 4500-CN
•					C			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

Q3158



#### LAB CHRONICLE

**OrderID:** Q3158 **OrderDate:** 9/19/2025 4:04:00 PM

Client: Tanagro Corp. Project: Semi-Annual 2025

Contact: Marcelo Pittari Location: D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3158-02	EFF-DAY-1-1-4CN	WATER			09/22/25 07:30			09/19/25
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amen	0,100		09/23/25 00:00	
			Cyanide	able SM4500-CN C,E		09/22/25	09/23/25 10:49	

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# SHIPPING DOCUMENTS

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Alliance	A
TECHNICAL GROU	

# 284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

Alliance Pro	ject Number:	Q3158
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OF	CUSTODY	RECORD	
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	CHAIN OF CUSTOL						RECORD					COC Number:							
	CLIENT	INFORMATIO	N	PRO	JECT	INFO	RMATIC	N		BILLING INFORMATION								ON	
COMPANY: Tar	nagro Jev	wlery Cop	r	PROJECT NAME: SE	emi A	nnua	al 2025			BILL T	·O:							PO#	
ADDRESS: 36 W	49th St Ro	om 101		PROJECT #:			LOCATIO	N:		ADDRESS:									
CITY New York		STATE: NY	ZIP:10016	PROJECT MANAGER:														STAT	E: ZIP:
ATTENTION:				E-MAIL:							NTION	l:						PHO	VE:
PHONE:		FAX:		PHONE: FAX:									AN	IALY	SIS				
DATA TURNAROUND INFORMATION			MATION	DATA DEL	IVER	ABLE	INFOR	MATION				Am.							
FAX: DAYS* HARD COPY: DAYS* EDD DAYS* * TO BE APPROVED BY ALLIANCE			DAYS*	RESEULTS ONLY RESULTS + QC New Jersey REDUC			JSEPA CLF New York S New York St	tate ASP "I tate ASP "A		→ METALS	∾ Cyanide	د Cyanide - ،	4	5	6	7	8	9	
STANDARD TUR	NAROUND TIN	ME IS 10 BUSIN	ESS DAYS	□ EDD Format								_	_	_	TIVE	s	_	_	COMMENTS
Alliance		PPO IEC	·T	SAMPLE		MPLE (PE		IPLE ECTION	Bottles										< Specify Preservatives A-HCI B-HNO3
SAMPLE ID	s	PROJECT SAMPLE IDENTIFICATION		MATRIX	COMP	GRAB	DATE	TIME	# of Bo	1	2	3	4	5	6	7	8	9	C-H2SO4 D-NaOH E-ICE F-Other
1	EFF-DAY	-1-METALS		W			9/19/25												
2.	EFF-DAY	1-1-CN		W			9/19/25												
3.	EFF-DAY1	1-2-CN		W			9/19/25												
4.	EFF-DAY1	1-3-CN		W			9/19/25												
5.	EFF-DAY1	1-4-CN		W			9/19/25												
6.										Ш									
7.										Ш									
8.										Ш									
9.																			
10.																			
	SAMPLE	CUSTODY M	UST BE DOCUM	MENTED BELOW	EACH	TIME	SAMP	LES CH	ANGE	PROS	SSES	SSIO	N IN	CLUI	DING	COL	JRIE	R DE	LIVERY
1. PATE/TIME RECEIVED BY 17:00  1. PATE/TIME RECEIVED BY 17:00  2. DATE/TIME RECEIVED BY 2:00  2. 2.					Conditions of bottles or coolers at receipt: Compliant Non Compliant Cooler Temp 3.0  MeOH extraction requires an additional 4oz. Jar for percent solid Comments:														
RELINQUISHED BY  DATE/TIME RECEIVED FOR LAB BY  3.												Shipment Complete  YES NO							
			WHITE - ALLIANCE	COPYFOR RETURN	TO CL	IENT	YELL	DW - ALLI	ANCE C	OPY	PIN	K - S/	AMPLE	R CC	PY				

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# Laboratory Composite Sample log

Lab Project number: 03158 Date: 9-22-25

Client Name: TANAGRO COND. Client Project Name: SENI. ANNUAL 2025

Instructions: Coup. Cyvids Sayres 4:1

Sample Custodian:\_

Client Sample ID	Weigh /Volume used	New ID	Sample Composite time	Comments	
EFF-DM1-1-CH	2504/62.5	EFFLENT-DAY-1-1-4CN	"Clear water"	0730	401. USED
EFF-DAY 1-2-CH					
EFF- DAY-1-4-CH				,	
EFF- DAY-1-4-CH		1		1	
,					=

QA Control # A3041251



# Laboratory Certification

Certified By	License No.
	Bulgana
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
	35 555 15
Soil Permit	525-24-234-08441
	525 2 . 25 . 36
Texas	TX-C25-00189
. 57.460	
Virginia	460312

QA Control Code: A2070148