

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : PARSIPPANY WASTEWATER QUARTERLY 2025

METEM A GE POWER BUSINESS

700 Parsippany Road

Parsippany, NJ - 07054

Phone No: 973-887-6635

ORDER ID : Q2485

ATTENTION : Sundas Pervez



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2485

Project ID : Parsippany Wastewater Quarterly 2025

Client : METEM A GE POWER Business

Lab Sample Number

Q2485-01

Client Sample Number

WASTEWATER Q3

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 2:06 pm, Jul 16, 2025

Date: 7/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

METEM A GE POWER Business

Project Name: Parsippany Wastewater Quarterly 2025

Project # N/A

Order ID # Q2485

Test Name: Metals Group5

A. Number of Samples and Date of Receipt:

1 Water sample was received on 07/01/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Field pH and Metals Group5. This data package contains results for Metals Group5.

C. Analytical Techniques:

The analysis and digestion of Metals Group5 was based on method 200.7.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate (WASTEWATER Q3DUP) analysis met criteria for all compounds except for Zinc due to sample matrix interference.

The Matrix Spike (WASTEWATER Q3MS) analysis met criteria for all compounds except for Cadmium, Chromium, Copper, Lead, Silver, Zinc due to unknown interference during digestion with sample matrix.

The Matrix Spike Duplicate (WASTEWATER Q3MSD) analysis met criteria for all compounds except for Cadmium, Chromium, Copper, Lead, Nickel, Silver, Zinc due to unknown interference during digestion with sample matrix.

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 (WASTEWATER Q3A) analysis met criteria for all compounds except for Cadmium, Chromium, Copper, Lead, Nickel, 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.

LLCCV & LLICV are not required for 200.7 method.

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 2:07 pm, Jul 16, 2025



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

CASE NARRATIVE

METEM A GE POWER Business

Project Name: Parsippany Wastewater Quarterly 2025

Project # N/A

Order ID # Q2485

Test Name: Cyanide,Field pH

A. Number of Samples and Date of Receipt:

1 Water sample was received on 07/01/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide,Field pH. This data package contains results for Cyanide,Field pH.

C. Analytical Techniques:

The analysis of Cyanide was based on method SM4500-CN C,E and The analysis of Field pH was based on method SM4500-H B.

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:

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 2:07 pm, Jul 16, 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 #: Q2485

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: 07/16/2025

Hit Summary Sheet
SW-846

SDG No.:	Q2485	Order ID:	Q2485
Client:	METEM A GE POWER Business	Project ID:	Parsippany Wastewater Quarterly 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WASTEWATER Q3								
Q2485-01	WASTEWATER Q3	Water	Chromium	14.8		0.53	5.00	ug/L
Q2485-01	WASTEWATER Q3	Water	Nickel	169		1.90	20.0	ug/L
Q2485-01	WASTEWATER Q3	Water	Silver	1.27	J	0.81	5.00	ug/L
Q2485-01	WASTEWATER Q3	Water	Zinc	112		2.00	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	07/01/25
Project:	Parsippany Wastewater Quarterly 2025	Date Received:	07/01/25
Client Sample ID:	WASTEWATER Q3	SDG No.:	Q2485
Lab Sample ID:	Q2485-01	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	0.31	UN	1	0.31	3.00	ug/L	07/03/25 10:15	07/15/25 14:04	EPA 200.7	
7440-47-3	Chromium	14.8	N	1	0.53	5.00	ug/L	07/03/25 10:15	07/15/25 14:04	EPA 200.7	
7440-50-8	Copper	1.89	UN	1	1.89	10.0	ug/L	07/03/25 10:15	07/15/25 14:04	EPA 200.7	
7439-92-1	Lead	1.21	UN	1	1.21	6.00	ug/L	07/03/25 10:15	07/15/25 14:04	EPA 200.7	
7440-02-0	Nickel	169	N	1	1.90	20.0	ug/L	07/03/25 10:15	07/15/25 14:04	EPA 200.7	
7440-22-4	Silver	1.27	JN	1	0.81	5.00	ug/L	07/03/25 10:15	07/15/25 14:04	EPA 200.7	
7440-66-6	Zinc	112	N*	1	2.00	20.0	ug/L	07/03/25 10:15	07/15/25 14:04	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group5			

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:	Q2485	OrderDate:	7/2/2025 9:34:00 AM
Client:	METEM A GE POWER Business	Project:	Parsippany Wastewater Quarterly 2025
Contact:	Sundas Pervez	Location:	A42

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2485-01	WASTEWATER Q3	Water	Metals Group5	200.7	07/01/25	07/03/25	07/15/25	07/01/25



SAMPLE DATA

Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	07/01/25 11:25
Project:	Parsippany Wastewater Quarterly 2025	Date Received:	07/01/25
Client Sample ID:	WASTEWATER Q3	SDG No.:	Q2485
Lab Sample ID:	Q2485-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0012	U	1	0.0012	0.0050	mg/L	07/02/25 10:25	07/02/25 13:14	SM 4500-CN C-21 plus E-21
Field pH	4.02		1	0	0	pH		07/01/25 11:27	SM4500-H B

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:	Q2485	OrderDate:	7/2/2025 9:34:00 AM
Client:	METEM A GE POWER Business	Project:	Parsippany Wastewater Quarterly 2025
Contact:	Sundas Pervez	Location:	A42

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2485-01	WASTEWATER Q3	WATER			07/01/25 11:25			07/01/25
			Cyanide	SM4500-CN C,E		07/02/25	07/02/25 13:14	
			Field pH	SM4500-H B			07/01/25 11:27	



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Metam & GE Power Business
ADDRESS: 700 Parsippany Road
CITY: Parsippany STATE: NJ ZIP: 07054
ATTENTION: Sandas Pervez
PHONE: 973-887-6635 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Parsippany wastewater Quarterly 2025
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: 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

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

Metas Group
cyanide
Field PH

PRESERVATIVES

COMMENTS

ALLIANCE 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.	Wastewater Q3	W	✓		7-1-25	1125	3	✓	✓	✓							PH 4.02
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 1132 7-1-25	RECEIVED BY: 1. [Signature]	DATE/TIME: 1132 7-1-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.7°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.		Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1818 7-1-25	RECEIVED BY: 3.		

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

FIELD SAMPLING LOGClient Name: Metem A GE Power BusinessProject Name: Parsippany wastewater treatmentClient Address: 700 Parsippany RoadProject Location: ParsippanyClient Rep on Site: Sundas PervezCooler Custody Seal: N/ASampling Date: 7-1-25Temperature Correction Factor (°C): 0Arrival Time: 1108Departure Time: 1135FIELD EQUIPMENT CALIBRATION

pH Calibration (SM4500-H B/9040C)					ICV (± 0.1 pH unit)	
Calibration						
	W	7.00 Buffer	W	4.00 Buffer	W	10.00 Buffer
		3071		3178		3191
Time		1110		1113		1116
Temp °C		21.2°		21.0°		20.8°
pH		7.01		4.00		10.02

FIELD EQUIPMENT CALIBRATION

Specific Conductance (mS/cm) (99% -101%)/(mmho/cm) (SM2510 B/120.1/9050A)		
Calibration (± 1%) (99% -101%)		ICV (± 1%) (99% -101%)
	WP	WP
Time		
Temp °C		
Reading (mS/cm)		

Sampler Signature/Date:

 7-1-2

Supervisor Review/Date: _____

QA Control# A3041249

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Project Name: PARSIPOANY WASTEWATER QUAR 7.1

Project Location: Parippani

Cooler Custody Seal: N/A

Temperature Correction Factor (°C): 0

Departure Time: 1135

7.1

1

1

Supervisor Review/Date: _____

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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