

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 : Q3267

ATTENTION : Sundas Pervez



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3267

Project ID : Parsippany Wastewater Quarterly 2025

Client : METEM A GE POWER Business

Lab Sample Number

Q3267-01

Client Sample Number

Q4

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 10:21 am, Oct 15, 2025

Date: 10/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

METEM A GE POWER Business

Project Name: Parsippany Wastewater Quarterly 2025

Project # N/A

Order ID # Q3267

Test Name: Metals Group5,Cyanide,Field pH

A. Number of Samples and Date of Receipt:

1 Water sample was received on 10/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Metals Group5,Cyanide,Field pH. This data package contains results for Metals Group5(200.7),Cyanide(SM4500-CN C,E),Field pH(SM4500-H B).

C. Analytical Techniques:

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

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Duplicate analysis met criteria for all samples.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

Metals Group5 : Sample Q3267-01 was analyzed with dilution x50 as straight sample because of very high Sodium concentration in the sample, the previous analytical run which was analyzed on 10/03/25, all QC (CCV,CCB) fails due to suppression effect of this Sodium salt and carryover was extremely high in CCB, so that data was not reported because of QC failure So sample was analyze in this run as straight x50 and x100 dilutions and was reported from x50 dilution.



284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

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Signature _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:21 am, Oct 15, 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 #: Q3267

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: 10/15/2025

Hit Summary Sheet
SW-846

SDG No.:	Q3267	Order ID:	Q3267
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 : Q4								
Q3267-01	Q4	Water	Chromium	453	D	26.5	250	ug/L
Q3267-01	Q4	Water	Nickel	2440	D	95.0	1000	ug/L
Q3267-01	Q4	Water	Zinc	196	JD	100	1000	ug/L



SAMPLE DATA

Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	10/01/25
Project:	Parsippany Wastewater Quarterly 2025	Date Received:	10/01/25
Client Sample ID:	Q4	SDG No.:	Q3267
Lab Sample ID:	Q3267-01	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	15.5	UD	50	15.5	150	ug/L	10/02/25 10:10	10/08/25 16:58	EPA 200.7	
7440-47-3	Chromium	453	D	50	26.5	250	ug/L	10/02/25 10:10	10/08/25 16:58	EPA 200.7	
7440-50-8	Copper	94.5	UD	50	94.5	500	ug/L	10/02/25 10:10	10/08/25 16:58	EPA 200.7	
7439-92-1	Lead	60.5	UD	50	60.5	300	ug/L	10/02/25 10:10	10/08/25 16:58	EPA 200.7	
7440-02-0	Nickel	2440	D	50	95.0	1000	ug/L	10/02/25 10:10	10/08/25 16:58	EPA 200.7	
7440-22-4	Silver	40.5	UD	50	40.5	250	ug/L	10/02/25 10:10	10/08/25 16:58	EPA 200.7	
7440-66-6	Zinc	196	JD	50	100	1000	ug/L	10/02/25 10:10	10/08/25 16:58	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:	Q3267	OrderDate:	10/1/2025 3:37:00 PM
Client:	METEM A GE POWER Business	Project:	Parsippany Wastewater Quarterly 2025
Contact:	Sundas Pervez	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3267-01	Q4	Water	Metals Group5	200.7	10/01/25	10/02/25	10/08/25	10/01/25



SAMPLE DATA

Report of Analysis

Client: METEM A GE POWER Business
Project: Parsippany Wastewater Quarterly 2025
Client Sample ID: Q4
Lab Sample ID: Q3267-01

Date Collected: 10/01/25 15:00
Date Received: 10/01/25
SDG No.: Q3267
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	10/06/25 11:05	10/06/25 14:51	SM 4500-CN C-21 plus E-21
Field pH	7.64		1	0	0	pH		10/01/25 15:02	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.
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LAB CHRONICLE

OrderID:	Q3267	OrderDate:	10/1/2025 3:37:00 PM
Client:	METEM A GE POWER Business	Project:	Parsippany Wastewater Quarterly 2025
Contact:	Sundas Pervez	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3267-01	Q4	WATER			10/01/25 15:00			10/01/25
			Cyanide	SM4500-CN C,E		10/06/25	10/06/25 14:51	
			Field pH	SM4500-H B			10/01/25 15:02	



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Metcon A GE Power Business
ADDRESS: 700 Parsippany Road
CITY: Parsippany STATE: NJ ZIP: 07054
ATTENTION: Sundas Perez
PHONE: _____ FAX: _____

PROJECT NAME: Parsippany wastewater quarterly 2025
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

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

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ 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 _____

*Metals Grab
Cyanide
Field PH*
1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>Q4</u>	<u>W</u>	<u>✓</u>		<u>10-1-25</u>	<u>1500</u>	<u>4</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>							<u>PH 7.64</u>
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. <u>[Signature]</u>	DATE/TIME: <u>10-1-25 1515</u>	RECEIVED BY: 1. <u>[Signature]</u>	DATE/TIME: <u>10-1-25 1515</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>3.7</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: _____	RECEIVED BY: 2. <u>[Signature]</u>	DATE/TIME: _____	Comments: _____
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>10-1-25 1615</u>	RECEIVED BY: 3. _____	DATE/TIME: _____	Comments: _____

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Alliance Technical Group, LLC-Newark

284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-107-0722
FIELD SAMPLING LOG

Client Name: Metem AGE power Business

Client Address: 700 Parsippany Road

Client Rep on Site: Sundas Pervez

Sampling Date: 10-1-25

Arrival Time: 1435

Departure Time: 1518

Project Name: Parsippany Wastewater Quarterly 202

Project Location: Parsippany

Cooler Custody Seal: N/A

Temperature Correction Factor (°C): 0

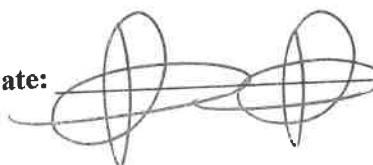
FIELD EQUIPMENT CALIBRATION

FIELD EQUIPMENT CALIBRATION					
pH Calibration (SM4500-H B/9040C)					ICV (± 0.1 pH unit)
Calibration					7.00 Buffer
	W	7.00 Buffer	W	4.00 Buffer	W
		3217		3178	
Time		1450		1452	
Temp °C		21.6°		21.0°	
pH		7.06 7.00		4.00	

FIELD EQUIPMENT CALIBRATION

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

Sampler Signature/Date:

 10-1-25

Supervisor Review/Date: _____

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QA Control# A3041249

Laboratory Certification

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