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

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 : Q1689

ATTENTION : Sundas Pervez

Laboratory Certification ID # 20012

Table Of Contents for Q1689

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Cover Page

Order ID : Q1689

Project ID : Parsippany Wastewater Quarterly 2025

Client : METEM A GE POWER Business

Lab Sample Number	Client Sample Number
Q1689-01	Q2 WASTEWATER

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 9:42 am, Apr 14, 2025

Date: 4/11/2025

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
Chemtech Project # Q1689
Test Name: Metals Group5

A. Number of Samples and Date of Receipt:
1 Water sample was received on 04/01/2025.

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 samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (Q2 WASTEWATERMS) analysis met criteria for all samples except for Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (Q2 WASTEWATERMSD) analysis met criteria for all samples except for Silver due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all samples.

E. Additional Comments:
Due to bad matrix and a high concentration of elements, the sample Q1689 and QC analyze with straight 10X Dilution.

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 9:42 am, Apr 14, 2025

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CASE NARRATIVE

METEM A GE POWER Business
Project Name: Parsippany Wastewater Quarterly 2025
Project # N/A
Chemtech Project # Q1689
Test Name: Cyanide,Field pH

A. Number of Samples and Date of Receipt:
1 Water sample was received on 04/01/2025.

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 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 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____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:42 am, Apr 14, 2025

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 #: Q1689

	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: MOHAMMAD AHMED **Date:** 04/11/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1689 **Order ID:** Q1689

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 : Q2 WASTEWATER								
Q1689-01	Q2 WASTEWATER	Water	Chromium	126	D	5.30	50.0	ug/L
Q1689-01	Q2 WASTEWATER	Water	Nickel	1450	D	19.0	200	ug/L
Q1689-01	Q2 WASTEWATER	Water	Zinc	86.2	JD	20.0	200	ug/L

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/01/25
Project:	Parsippany Wastewater Quarterly 2025	Date Received:	04/01/25
Client Sample ID:	Q2 WASTEWATER	SDG No.:	Q1689
Lab Sample ID:	Q1689-01	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	3.10	UD	10	3.10	30.0	ug/L	04/03/25 09:10	04/09/25 15:09	EPA 200.7	
7440-47-3	Chromium	126	D	10	5.30	50.0	ug/L	04/03/25 09:10	04/09/25 15:09	EPA 200.7	
7440-50-8	Copper	18.9	UD	10	18.9	100	ug/L	04/03/25 09:10	04/09/25 15:09	EPA 200.7	
7439-92-1	Lead	12.1	UD	10	12.1	60.0	ug/L	04/03/25 09:10	04/09/25 15:09	EPA 200.7	
7440-02-0	Nickel	1450	D	10	19.0	200	ug/L	04/03/25 09:10	04/09/25 15:09	EPA 200.7	
7440-22-4	Silver	8.10	UDN	10	8.10	50.0	ug/L	04/03/25 09:10	04/09/25 15:09	EPA 200.7	
7440-66-6	Zinc	86.2	JD	10	20.0	200	ug/L	04/03/25 09:10	04/09/25 15:09	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

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LAB CHRONICLE

OrderID:	Q1689	**OrderDate:**	4/1/2025 12:11:00 PM
Client:	METEM A GE POWER Business	**Project:**	Parsippany Wastewater Quarterly 2025
Contact:	Sundas Pervez	**Location:**	F11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1689-01	**Q2 WASTEWATER**	**Water**			**04/01/25**			**04/01/25**
			Metals Group5	200.7		04/03/25	04/09/25	

SAMPLE DATA

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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/01/25 11:35
Project:	Parsippany Wastewater Quarterly 2025	Date Received:	04/01/25
Client Sample ID:	Q2 WASTEWATER	SDG No.:	Q1689
Lab Sample ID:	Q1689-01	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	04/04/25 08:00	04/04/25 12:04	SM 4500-CN C-16 plus E-16
Field pH	7.69		1	0	0	pH		04/01/25 11:37	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

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

LAB CHRONICLE

OrderID:	Q1689	**OrderDate:**	4/1/2025 12:11:00 PM
Client:	METEM A GE POWER Business	**Project:**	Parsippany Wastewater Quarterly 2025
Contact:	Sundas Pervez	**Location:**	F11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1689-01	**Q2 WASTEWATER**	**WATER**			**04/01/25 11:35**			**04/01/25**
			Cyanide	SM4500-CN C,E		04/04/25	04/04/25 12:04	
			Field pH	SM4500-H B			04/01/25 11:37	

SHIPPING DOCUMENTS

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

ALLIANCE PROJECT NO. Q1689
QUOTE NO.
COC Number 2046363

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Metcom A GE power Business
ADDRESS: 700 Parsippany Road
CITY Parsippany STATE: NJ ZIP: 07054
ATTENTION: Sundas 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:

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 + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

1: Metals Group 3
2: Cyanide
3: Field pH
4:
5:
6:
7:
8:
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Q2 Wastewater	W	✓		4-1-25	1135	3	✓	✓	✓							
2.																	PH 7.69
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

	DATE/TIME		
RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 04/01/25 1142	RECEIVED BY: 1.	1142 4-1-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 4-1-25 1228	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 4.1 °C
Comments:

Page _____ of

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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

Client Name: Metem A GE Power Business
Client Address: 700 Parsippany Road
Client Rep on Site: Sundas Pervez
Sampling Date: 4-1-25
Arrival Time: 1050 Departure Time: 1150

Project Location: Parsippany
Cooler Custody Seal: N/A
Temperature Correction Factor (°C): +3

FIELD SAMPLING INFORMATION

Sampling Location	Date/Time of sampling	Field Measurements: Date/Time of Analysis	pH	Temperature °C	Specific Conductance (mS/cm) (99% -101%)
CCV C3071)	4-1-25 1130	4-1-25 1132	7.00	27.55C	N/A
Q2 Wastewater	1135	1137	7.69	21.02C	
Dup	1139	1140	7.70	21.05C	
CCV C3071)	1142	1144	7.00	27.52C	

Meter: YSI MPS, Model # 556, Serial # 085A0063

Sampler Signature/Date: 4-1-25

Supervisor Review/Date:

QA Control# A3041249

Alliance Technical Group, LLC-Newark
284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8927

FIELD SAMPLING LOG

Client Name: Metem A GE power Business
Client Address: 700 Parsippany Road
Client Rep on Site: Sundas Pervez
Sampling Date: 4-1-25
Arrival Time: 1050 Departure Time: 1150

Project Name: Parsippany wastewater 4
Project Location: Parsippany
Cooler Custody Seal: N/A
Temperature Correction Factor (°C): +3

FIELD EQUIPMENT CALIBRATION

pH Calibration (SM4500-H B/9040C)				
Calibration				ICV (± 0.1 pH unit)
	7.00 Buffer W 3071	4.00 Buffer W 3107	10.00 Buffer W 3094	7.00 Buffer W 3093
Time	1054	1056	1058	1100
Temp °C	27.42 C	27.51 C	27.37 C	27.53 C
pH	7.00	4.00	10.00	7.00

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: 4-1-25
Supervisor Review/Date: 4/1/25

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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